

2025 ANNUAL GROUNDWATER QUALITY REPORT

**FOR THE
RURAL IOWA SANITARY LANDFILL
42-SDP-1-72P
ELDORA, IOWA**

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Certification

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Section 1.0 Background Information

1.1 Report Format

Table 1 through Table 14 are attached to this report and satisfy the IDNR requirement to provide the tables to meet the IDNR format requirements included in Special Provision 3.k. of the Revised Permit, dated December 8, 2025 (Doc #115141).

1.2 Report Priority

No priority is requested for review of this document.

The prediction limit for arsenic (89.3 ug/L) and cobalt (12.4 ug/L) are utilized as the Site-Specific GWPS, in lieu of the Chapter 137 Statewide Standard of 10.0 ug/L and 2.1 ug/L, respectively, since the background concentration of arsenic and cobalt naturally exist at these concentrations that exceed the Statewide Standard. The Site-Specific GWPS are approved by the IDNR (Doc #103648).

This report concludes that detection, assessment, and corrective action monitoring should continue in accordance with the approved HMSP in accordance with rule.

1.3 Period of Report Coverage

Water quality data evaluation is based on a running compilation of data beginning April 21, 2016. Statistical evaluations herein are based on the most recent water quality data collected April 15, 2025 and October 16, 2025.

1.4 Current Site Map

Figure 1 is attached illustrating the current site features, monitoring well locations, and subsurface gas probe locations.

1.5 Site Status and Applicable Rules

Site Location

The Rural Iowa Sanitary Landfill is located in the W½ of the NE¼ of Section 25, T88N, R21W and the S½ of the NW¼ of Section 25, T88N, R21W, Hardin County, Iowa. The site encompasses approximately 165 acres. The facility is situated approximately 1 mile east of Highway 65, midway between Eldora and Iowa Falls, Iowa. The facility operates under the Iowa Department of Natural Resources (IDNR) Permit Number 42-SDP-1-72P.

Landfill Layout

The site is situated in the uplands above the Beaver Creek valley to the north.

The facility includes a closed landfill and RCRA Subtitle D Expansion Areas designated Trench 1, Trench 2, and Trench 3. Trench 1-3 are actively receiving waste from the planning area.

Applicable Rules

Iowa Administrative Code (IAC) 567-113 is applicable to the operating portion of the site. The closed landfill is also regulated under (IAC) 567-113 in accordance with the approved variance.

1.6 Summary of Hydrologic Monitoring System Plan (HMSP)

The HMSP sampling performed in 2025 conforms to Special Provision 3 of the Revised Permit dated December 8, 2025 (Doc #115141). Water monitoring points and the gas monitoring network are illustrated on Figure 1. Water Contour Maps are included as Figures 2 and 3.

The current HMSP is summarized in Table 1. The HMSP Implementation Schedule for 2026 is itemized in Table 2.

The HMSP includes eighteen (18) monitoring wells, three (3) groundwater underdrains, a discharge tile from the Corrective Action system, and a confirmation sample from the Passive Engineered Conveyance System (PECS). MW-36, MW-37, MW-39, MW-40, and MW-47 are the designated background wells for the facility. The Site Plan and the approved monitoring network is illustrated on Figure 1.

MONITORING WELL MAINTENANCE PERFORMANCE REEVALUATION

Table 3 outlines the status of well performance and maintenance activities performed as required by IAC 567-113.10(2) f.

High & Low Water Levels

Current year water elevation data is included on Table 4 and illustrates the annual high and low water level range across the site. Historic water elevation data is included in the Table 4A. Water Contour Maps (Figures 2 & 3) dated October, 2025 are included with this report. The Water Contour Maps illustrates the water surfaces in the two (2) formations of interest at this site. The Water Table Contour Map (Figure 2) illustrates the water table surface and the effects of the groundwater diversion system in Trench 1, Trench 2, and Trench 3. The Potentiometric Surface Map (Figure 3) illustrates the head surface on the deep sand layer aquifer below the site. Review of the 2025 data does not indicate excessive variability compared to historic water elevation data.

Well Depth & Sedimentation

Well depth measurements were made in October, 2025. Review of the well depth data included on Table 4 indicate that well sedimentation is estimated to be less than one (1) foot at all site monitoring wells.

Well Recharge Rates & Chemistry

The measured horizontal hydraulic conductivity testing results (2011) for each site monitoring well is included on Table 4. Horizontal hydraulic conductivities ranged between 10^{-2} cm/sec and 10^{-7} cm/sec.

Field recovery data recorded on April 2, 2024 (Table 4) indicates that the monitoring wells recover to at least 90% recovery within 24 hours after purging. The exceptions occur at MW-37, MW-39, and MW-40 where greater than 24 hours is required for the wells to recover. Well recovery information (2024) indicates that recharge to the individual wells remained sufficient to promote collection of representative water quality samples and the wells were functioning as intended. Monitoring well recharge reevaluation is due biennially according to 113.10(2)"f", and should be evaluated again in 2026.

Based on the apparent static condition of the water table and the water surfaces across the site, the conclusions of the well recharge evaluation, and the existing water elevation database, it appears that the semi-annual water elevation data is sufficient to adequately monitor the hydrologic condition of the site. Therefore, it appears that the integrity of monitoring wells is intact, that the wells are appropriately located to detect impact from the fill, and that no changes in monitoring system are recommended.

Section 2.0 Reporting Period Monitoring Activities

A summary of the planned upcoming sample collection events at each well is included on Table 2. A comprehensive summary of all sampling episodes to date is included in the Table 2A.

Field sampling data related to April 15, 2025 and October 16, 2025, sampling episodes are included on the field forms (IDNR Form 542-1322) in Appendix A.

A comprehensive summary of Analytical Data for the episodes between April 8, 2008 and October 16, 2025 is included in Table 9.

2.1 Current Detection Monitoring Activities

Background wells are MW-36, MW-37, MW-39, MW-40, and MW-47. Downgradient detection monitoring wells for the RCRA Subtitle D Expansion Area (Trench 1 through Trench 3) are MW-48A, MW-49A, MW-50, MW-51, GU-1, GU-2, and GU-3. Downgradient detection monitoring wells for the Closed Landfill are MW-7 (downgradient the leachate tanks), MW-7A, MW-7B, MW-9, MW-13R, MW-14, MW-29, MW-33, and MW-35R.

2.2 Current Assessment Monitoring Activities

Active Area - Assessment monitoring for the full Appendix II list has been performed at MW-48A (5 episodes) and MW-49A (6 episodes), with the most recent Full Appendix II completed in April 2025 in accordance with IAC 567-113.10(6). As illustrated on Table 2, Full Appendix II sample collection at MW-48A and MW-49A is scheduled for April, 2030.

Based on the results of assessment monitoring, monitoring was modified at MW-48A and MW-49A to include Appendix I plus all Appendix II compounds detected per 113.10(6)d.2. The IDNR letter dated October 3, 2017 (Doc #90422) allows the frequency of bis (2-ethylhexyl)phthalate and dichlorodifluoromethane testing to be reduced from semi-annually to one time per five (5) years to coincide with the full Appendix II sample collection frequency.

Permit Special Provision X.3.h. of the Revised Permit, dated December 8, 2025 (Doc #115141) approves an alternate five-year frequency for the required annual Appendix II assessment monitoring at all wells that have two (2) rounds of full Appendix II monitoring completed.

Closed Area - Assessment monitoring consisting of four (4) episodes of full Appendix II sampling is completed at MW-7, MW-13R, MW-14, and MW-35R. Assessment monitoring consisting of three (3) episodes of full Appendix II sampling is completed at MW-9.

2.3 Current Corrective Action Activities

The Closed Landfill was retrofitted with a leachate collection toe drain system on the north, east, and west sides of the fill in 1995. This corrective action addresses detected impacts at MW49A. Additional groundwater study was completed at MW-49A and was reported on January 29, 2024. Based on the additional groundwater study, MW-49A is impacted by landfill gas. Therefore, the 1995 leachate collection toe drain system was modified and grated manhole covers were installed to passively vent landfill gas.

The Assessment of Corrective Measures (ACM) Report related to MW-13R (on the south side of the Original Landfill) was submitted to IDNR on June 21, 2017, with supplements submitted September 7, 2017 and November 6, 2017. The ACM was approved in Special Provision XI.6 of Permit dated December 4, 2017 (Doc #91024). Installation of the ACM related to MW-13R was completed in September, 2018.

MW-14 was incorporated into the existing 2018 corrective action as MW-14 exhibits impacts similar to MW-13R, is located in a similar position to the south boundary as MW-13R, and the mechanisms of fate, migration, and attenuation at MW-14 are similar to MW-13R. The VOC plume at MW-14 was previously delineated (Doc # 4800).

The 1995 Corrective Action (leachate toe drain) and the 2018 Corrective Action (groundwater cut-off trench) was augmented with landfill gas vents (additional source control) as allowed in IAC 113.10(9)"b" and/or "c" and as approved by IDNR September 16, 2024 (Doc # 110883). The vent construction was completed in May 14, 2025. Construction Certification documents were submitted to IDNR on May 15, 2025 (Doc #113075) and were approved on June 3, 2025 (Doc # 113174). Corrective action gas monitoring at the six (6) vents was initiated July 14, 2025 (Table 14).

Corrective action monitoring points (CAMP) are designated as ACM Tile 1 (tile line discharge from the ACM system), PECS-1 (discharge from the Passive Engineered Conveyance System), MW-13R, MW-14 (Point of Compliance Corrective Action Monitoring Wells, located 50 feet from the waste boundary), and passive vents 1-6 for the south side system.

The limits of arsenic impact in the vicinity of MW-7 were delineated and were reported to IDNR June 7, 2013. Step-Out Corrective Action Monitoring Wells MW-7A and MW-7B were installed near the plume edge in the vicinity of MW-7.

Corrective action monitoring points (CAMP) are designated as MW-7A (step-out point of compliance), MW-7B (step-out point of compliance), and MW-7 (original point of compliance located 50 feet from the waste boundary) for the leachate storage facility in the northwest portion of the closed landfill.

There are no Corrective Actions in place or required in the RCRA Subtitle D Expansion Areas.

Section 3.0 Data Evaluation and Summary

Statistical Evaluations are prepared by Otter Creek Environmental Services for each monitoring episode. The Groundwater Statistics Report for the Rural Iowa Sanitary Landfill, First Semi-Annual Monitoring Event in 2025, dated July, 2025 (both the Closed Area and the Operating Area) is included in Appendix B.1. The Groundwater Statistics Report for the Rural Iowa Sanitary Landfill, Second Semi-Annual Monitoring Event in 2025, dated October, 2025 (both the Closed Area and the Operating Area) is included in Appendix B.2.

The Analytical Reports for the laboratory testing from April 15, 2025 and October 16, 2025 sampling episodes are included in Appendix C.

QUALITY ASSURANCE/QUALITY CONTROL

A blind duplicate sample was collected at GU-3 during the April 15, 2025, sampling episode. A blind duplicate was collected at MW-9 during the October 16, 2025, sampling episode.

The purpose of the field duplicate is to evaluate the precision of sample collection and analysis process from the field through the laboratory. The calculation of the Relative Percent Difference (RPD) for duplicate pair results is used as a means to evaluate the precision.

The Quality Control (QC) limit for the RPD on field duplicates is established at thirty percent (30%) for duplicate pairs that have reported concentrations five (5) times greater than the laboratory Reporting Limit. For samples and respective duplicates with reported analyte concentrations nearer the Reporting Limit, the RPD calculations demonstrate greater variability and the RPD can be very large. RPD values are considered non-representative in the following conditions:

- a) One or both of the original and/or the duplicate results are less than five (5) times the Reporting Limit.
- b) One or both results are qualified, flagged, or estimated.
- c) One or both results are non-detected.

The results of the blind duplicate and the monitoring well results (both April 15, 2025 and October 16, 2025) were within the limits established and indicate that the data quality is acceptable without restriction.

BACKGROUND DATA VALIDATION

On July 10, 2014, an unnumbered Permit Amendment and Memo was issued by the IDNR regarding turbidity (Doc # 80693). A TSS and Field Turbidity Evaluation Report was prepared and submitted on February 24, 2015 (Doc# 82542), and was approved by IDNR in Amendment #7, dated August 17, 2015 (Doc #84071).

The background data has been restricted to include only sample results that have been collected by “No Purge” methods in order to avoid turbidity related issues that may have been related to historic sample collection methods. A running summary of turbidity data is included in Appendix D.

Upgradient Data, Table 1, Attachment B, to the October, 2025 Statistical Evaluation Reports (Both Operating and Closed Facility Reports in Appendix B.2) includes a summary of the background data. The water quality results tagged with an asterisk are statistical outliers and are excluded from the background data.

The site prediction limits established in the October, 2025 Statistical Evaluation Report (Appendix B.2) are based on the validated background data.

The calculated Site Prediction Limits are summarized in Table 5.

SITE SPECIFIC GWPS

The prediction limit for each inorganic compound (including arsenic and cobalt) is calculated utilizing all water quality data from the five (5) site background wells (MW-36, MW-37, MW-39, MW-40, and MW-

47). The background water quality data is screened for statistical outliers utilizing the Dixon Test. All outliers are removed from the data prior to calculation of each Prediction Limit.

Table 5 includes the comparison of the site prediction limits to the published IAC 567, Chapter 137 Statewide Standard. The instances where the Prediction Limit exceeds the published IAC 567, Chapter 137 Statewide Standard are highlighted in yellow in Table 5.

The following Site-Specific GWPS were approved by the IDNR in the Letters dated April 17, 2020 (Doc #97535), June 15, 2021 (Doc #100682), and July 18, 2022 (Doc #103648) and have not changed since July 18, 2022.

<u>Compound</u>	<u>Site-Specific GWPS</u>
Arsenic	89.3 ug/L
Cobalt	12.4 ug/L

The Site-Specific GWPS are not to be set lower than the Site Prediction Limit calculated from the site background data.

For all other compounds the published IAC 567, Chapter 137 Statewide Standard are utilized as the GWPS. The Site-Specific GWPS are included in Tables 7, 8, and 10.

STATISTICALLY SIGNIFICANT INCREASE (SSI) EVALUATION

The detected concentration of each compound is compared to the site prediction limit for each respective compound. In detection monitoring wells, a detected concentration for a compound that is in excess of the calculated site prediction limit is recorded as a Statistically Significant Increase (SSI).

In 2025 there were no new SSI recorded at any detection monitoring well.

In assessment monitoring wells and/or Corrective Action monitoring wells, the exceedances are not required to be reported as SSI. A running summary over time of the recorded exceedances of the prediction limit is included in Appendix E.

Table 6 is a summary of all compounds at site monitoring wells that have exceeded a *current* prediction limit in 2025. Table 7 includes brown highlighted values that signify detected concentrations that exceeded the prediction limits (SSI) *over time*.

This report serves as notice to the operating record in accordance with IAC 567-113.10(5)c.

ASSESSMENT MONITORING SUMMARY

Assessment monitoring is required to be repeated annually per IAC 567-113.10(6)b. However, a five (5) year full Appendix II sampling frequency is approved Special Provision 3.h. of the Permit, dated November 29, 2022 (Doc #104699) for all site Point of Compliance Monitoring Wells where at least two (2) full Appendix II samples have been collected.

Based on the results to date, detection of bis (2-ethylhexyl) phthalate and dichlorodifluoromethane occurs as isolated events. The IDNR letter dated October 3, 2017 (Doc #90422) allows the frequency of the on-

going bis (2-ethylhexyl)phthalate and dichlorodifluoromethane testing to be reduced from semi-annually to one time per five (5) years to coincide with the full Appendix II sample collection frequency.

The summary of assessment monitoring detections to date is presented in Appendix F. The full Appendix II sampling episodes are highlighted in green in the tables in Appendix F and are listed on Table 2.

STATISTICALLY SIGNIFICANT LEVEL (SSL) EVALUATION

The compounds with detections that exceed site prediction limits (see summary in Table 1 & Table 7) are utilized to calculate the Confidence Interval (the 95% lower confidence limits (LCL) and the 95% upper control limits (UCL)) in accordance with the 2009 Unified Guidance for Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities by US EPA. The 95% LCL values are compared to applicable GWPS. Any 95% LCL value that exceeds an applicable GWPS is recorded as an SSL. All wells with a newly identified SSL require the plume of impact to be defined in the horizontal and vertical directions and require completion of an Assessment of Corrective Measures (ACM). A corrective measure is eventually considered complete when the 95% UCL falls below the GWPS.

The SSL Evaluation is based on data for each downgradient monitoring well. The Confidence Intervals (95% LCL and 95% UCL) are calculated during each statistical evaluation based on the most recent four (4) data points. The 95% LCL evaluation is presented in Table 7. The 95% UCL evaluation is presented in Table 8.

The 95% LCL values at assessment/corrective action monitoring wells are below the applicable Site Specific GWPS or Statewide Standards published in IAC 567, Chapter 137, *except where highlighted in yellow* in Table 7.

The 95% UCL values at assessment/corrective action monitoring wells are below the applicable Site Specific GWPS or Statewide Standards published in IAC 567, Chapter 137, *except where highlighted in green* in Table 8.

Based on the findings to date, the following SSL have been identified and persist (Tables 7, 8, and 10):

SSL at MW-49A – Cobalt & Vinyl Chloride

SSL at MW-7 – Arsenic

SSL at MW-13R – Arsenic (note that cobalt and benzene SSL no longer exist)

SSL at MW-14 – Cobalt

The wells with the SSL (MW-49A, MW-7, MW-13R, and MW-14) are placed in Corrective Action Monitoring System.

ASSESSMENT OF CORRECTIVE MEASURES/CORRECTIVE ACTIONS

A Site Remedial Action System was installed at the Closed Landfill in 1995 (See map in Appendix G) and addresses the SSL at MW-49A. An Evaluation of the Site Remedial Action System is also included in Appendix G.

The report of horizontal and vertical delineation of arsenic impact in the vicinity of MW-7 was submitted to IDNR in June, 2013 (see Appendix F) and approved in Special Provision X.3.e of the Permit, dated December 4, 2017 (Doc# 91024). On-going Monitoring of the arsenic impacts is performed at Point of

Compliance Corrective Action Monitoring Well MW-7 and at Step-Out Corrective Action Monitoring Wells MW-7A and MW-7B, as reported in the Section below.

The Assessment of Corrective Measures (ACM) Report related to MW-13R was submitted to IDNR on June 21, 2017, with supplements submitted September 7, 2017 and November 6, 2017. The ACM was approved in Special Provision XI.6 of the December 4, 2017 Permit (Doc #91024).

Installation of the ACM related to MW-13R was completed in September, 2018. The Construction Certification Report was submitted November 21, 2018 (Doc #93781). The corrective action monitoring points are designated as ACM Tile 1 (tile line discharge from the ACM system), PECS-1 (discharge from the Passive Engineered Conveyance System), MW-13R, MW-14 (Point of Compliance Corrective Action Monitoring Wells, located 50 feet from the waste boundary). Additional source control in the form of gas vents in the landfill were completed in 2025 and the passive vents (Vent 1-6) are monitored quarterly.

CORRECTIVE ACTION MONITORING & EVALUATIONS

Corrective Action Monitoring is on-going at MW-7, MW-7A, MW-7B, MW-13R, MW-14, ACM Tile 1, PECS-1, and Vents 1-6. Summary tables of water quality findings at each monitoring well are included in Table 10.

The Confidence Interval of Corrective Action Monitoring points are utilized to determine the success of the Corrective Measures at MW-49A, MW-7, MW-13R, and MW-14. A Corrective Action is complete when the 95% UCL value is below the GWPS for a minimum of three (3) years at all points within the plume, including the point of compliance well.

The 95% UCL evaluation is presented in Table 8. The green highlights in Table 8 and Table 10 indicate the 95% UCL values that exceed the GWPS. The highlighted values indicate that the 95% UCL continues to exceed the GWPS at MW-49A, MW-7, MW-13R, and MW-14. The previous cobalt SSL and benzene SSL at MW-13R has diminished such that the 95% UCL has decreased below the GWPS for the past three (3) years or more.

Table 10 represents a summary of the recorded SSI and SSL over time in monitoring wells. Table 11 includes the evaluation of the corrective action trends over time.

Evaluation of Corrective Action Monitoring near MW-49A

The calculated Confidence Intervals for MW-49A are included in Table 10.

Review of the data for Point of Compliance Corrective Action Monitoring Well MW-49A indicates that cobalt and vinyl chloride concentrations are elevated over the past three (3) years. The 95% LCL and 95% UCL values remain above the GWPS, but may be diminishing. It is recommended that the cobalt and vinyl chloride trends at MW-49A continue to be monitored in 2026.

Evaluation of Corrective Action Monitoring near MW-7

The calculated Confidence Intervals for the Step Out Corrective Action Monitoring Wells MW-7, MW-7A, and MW-7B are included in Table 10.

Review of the data for Point of Compliance Corrective Action Monitoring Well MW-7 indicates that arsenic concentrations between April, 2016 and October, 2025 generally demonstrate a cyclic trend. The variation in concentration is significant and the confidence interval becomes large. The 95% LCL values decreased to zero at times based on the large confidence interval. The 95% UCL value remains above

the GWPS throughout 2025. Based on the data collected to date, MW-7 remains in the Corrective Action Monitoring Plan (CAMP). It is recommended that the trend continue to be monitored in 2026.

Review of the data for Step Out Corrective Action Monitoring Well MW-7A indicates that arsenic concentrations have all been reported well below the site prediction limit. The 95% LCL values and the 95% UCL values have not exceeded the site prediction limit or the GWPS.

Review of the data for Step Out Corrective Action Monitoring Well MW-7B indicates that arsenic concentrations generally demonstrate a cyclic trend, much like MW-7. The 95% LCL value typically remained below the GWPS. Based on the data collected to date, it appears that the 95% UCL at MW-7B continues to demonstrate a cyclic trend above and below the GWPS. It is recommended that the trend continue to be monitored in 2026.

Evaluation of Corrective Action Monitoring near MW-13R & MW-14

The calculated Confidence Intervals for MW-13R & MW-14 are included in Table 10.

Review of the data for Point of Compliance Corrective Action Monitoring Well MW-13R indicates large concentration swings in arsenic coupled with generally decreasing concentrations in cobalt and benzene. The 95% LCL values for cobalt and benzene at MW-13R have remained below the GWPS since 2018. The 95% LCL values for arsenic at MW-13R fell below the GWPS from 2018-2021, then exceeded the GWPS in 2022/2023, and have again dropped below the GWPS in 2023/2024/2025. The most recent 95% LCL value at MW-13R exceeded the GWPS. The 95% UCL value remains above the GWPS for arsenic at MW-13R.

The 95% UCL for cobalt and benzene at MW-13R have decreased below the GWPS (since 2022). The 95% LCL values for benzene at MW-13R fell below the GWPS in 2018. The 95% UCL values for benzene at MW-13R fell below the GWPS in 2021, then exceeded the GWPS in 2023, and have been below the GWPS in 2024 and 2025.

The 95% LCL and the 95% UCL for cobalt at MW-14 both slightly exceed the GWPS in 2023. Only the 95% UCL for cobalt exceeds the GWPS at MW-14 in 2024 and 2025.

Based on the data collected to date, it appears that the 95% UCL for arsenic, cobalt, and benzene at MW-13R and the cobalt at MW-14 may continue to diminish with time. The effects of the supplemental source control (in the form of passive gas vents in the landfill) will continue to be monitored quarterly at passive Vents 1-6 in 2026. Water quality in MW-13R and MW-14 will continue to be monitored and evaluated in 2026.

Testing of water collected from ACM Tile 1 indicates that the water collection cut-off tile successfully captures impacted water (Appendix H). The PEC-1 water quality indicates that the Passive Engineered Conveyance Structure successfully treats the captured water and no discharge of impacted water occurs (Appendix H). The discharge point of the tile line is becoming buried and sample collection is compromised by sedimentation below the discharge point. The ditch below ACM Tile 1 will be cleaned in 2026.

Review of the Confidence Interval data (see Tables 7, Table 8, and Table 10) indicates that point of compliance wells MW-49A, MW-7, MW-13R, and MW-14, need to remain in the Corrective Action Monitoring System, as do step out wells MW-7A and MW-7B, the ACM Tile 1 monitoring point, and the PECS-1 monitoring point.

Section 4.0 Leachate Collection System Performance Evaluation

Leachate accumulating in the underground leachate storage tanks continues to be transported to the Alden Wastewater Treatment Facility and the Des Moines Metropolitan Wastewater Reclamation Authority (WRA) for treatment and disposal. The Treatment Agreement between Alden and RIWMA and the Discharge Permit with the Des Moines WRA are included in Appendix I.1.

Based on records provided by the City of Alden and the Des Moines WRA, 1,572,590 gallons of leachate were collected and transported to the Alden Treatment Facility and 133,000 gallons were collected and transported to the Des Moines WRA between January 1, 2025 and December 31, 2025 (Appendix I.2). An unmetered fraction of this volume originates in Trenches 1, 2, and 3, while the balance originates from the toe drain leachate collection system installed in the Closed Original Landfill as a corrective action. The most recent leachate analyses are included in Appendix I.3.

Leachate Recirculation

A request to allow leachate recirculation was submitted to IDNR on May 1, 2012 (Doc #70798). The request was approved by IDNR on August 9, 2012.

Leachate was recirculated in the Subtitle D composite lined disposal area by surface application using a tank. In 2025, approximately 33,750 gallons of leachate were recirculated. Dates and approximate volumes of leachate recirculation in 2025 are included on the table in Appendix I.4.

Leachate Line Cleaning

IAC 567-113.7(5)b(5) requires that the leachate system be cleaned every three (3) years at a minimum. The LCP lines were cleaned in June and August of 2023. The next cleaning is tentatively scheduled for 2026.

Leachate System Modifications

The three original single walled leachate storage tanks (total storage capacity of approximately 22,000 gallons) were replaced with two 25,000 gallon capacity dual walled leachate storage tanks in 2015. The tanks are equipped with a monitoring/alarm system. The monitoring system notifies staff of high leachate levels in the tanks so leachate pumping/hauling can commence to reduce the possibility of a tank overtopping. Documentation on the completion of the leachate tank installation was approved by IDNR in Permit Amendment #8 dated October 23, 2015.

Leachate System Performance

Operating Landfill - Leachate head monitoring points LPZ-101 and LPZ-102 are located at the low end of the Trench 1 and Trench 2 Subtitle D compliant disposal areas, respectively. Leachate head monitoring point LPZ-301 was installed in Trench 3 during the Trench 3 Expansion project. Leachate head monitoring points in the Operating Landfill were measured monthly in 2025; however, the former Director resigned – and the measurements by landfill staff conducted prior to the current Director starting have not been located to date. Leachate head measurement data is presented in Table 12A. A map of leachate monitoring points is included in Appendix I.

The leachate head monitoring points in the operating landfill were recorded as having less than 12” of leachate head on the liner during all recorded measurements in 2025. The 2025 measurements are

considered to demonstrate that the leachate collection system is performing as desired.

A request was filed with IDNR on October 12, 2022 (Doc # 104276) requesting that leachate head monitoring points LPZ-201 and LPZ-202 be removed from monitoring requirements in Trench 1 and Trench 2. IDNR approved the request on May 29, 2024 (Doc #110154).

Closed Original Landfill – Leachate head monitoring points in the Closed Original Landfill were measured quarterly in 2025 – the data is presented in Table 12B. Leachate head measurements are required quarterly in Special Provision XI.12c of the Revised Permit, dated December 8, 2025 (Doc #115141).

The data for the leachate wells in the Closed Original Landfill shows that leachate elevations have remained relatively consistent in 2025. The interpretation is made that the LCS (illustrated on the Figure in Appendix G) is effective in controlling the leachate head in the closed landfill. Quarterly measurements of LW-1, LW-2, LW-5, LW-6, LW-8, LW-10, and LW-12 will continue in 2026.

Our records indicate that LW-3, LW-4, LW-7, LW-9, and LW-11 were destroyed at the site through the course of time. Sufficient leachate head piezometers (7 of the original 12) remain to monitor the leachate surface in the Closed Fill Area.

Groundwater Separation

Special Provision X.3.j of the SDP Permit dated December 8, 2025 (Doc #115141) requires semi-annual monitoring of liquid levels in the Groundwater Diversion Layer Monitoring Points GPZ-1 and GPZ-2 to document separation between the solid waste base and the water table in Trench 1 and Trench 2. Groundwater piezometer points GPZ-203 and GPZ-302 are located at the low end of Trench 2 and Trench 3, respectively, and are also utilized to document groundwater separation below the liner (Table 12C).

Groundwater head measurements in Groundwater Diversion Layer Monitoring Points GPZ-1 and GPZ-2 are summarized as:

Date/Location	Trench 1 GPZ-1	Trench 2 GPZ-2
4/15/2025	0	No Access
7/14/2025	0	0
10/16/2025	0	0

Groundwater elevation measurement below the liner in Trench 2 and Trench 3 are included on Table 12C.

Based on the available groundwater head data, separation is maintained between the base of the solid waste and the groundwater surface in Trenches 1, 2, and 3.

Section 5.0 Gas Monitoring

Explosive gas monitoring per 113.9(2) and the approved GMSP was conducted quarterly during the last reporting period (2024).

Monitoring points include the seven (7) subsurface gas probes, the structures on site, three (3) passive gas vents located in the solid waste, and the cleanouts incorporated into the ACM. The ACM piping along the south edge of waste along the Original Landfill was added to the GMSP in order to evaluate the performance

of the venting that occurs from the cut-off trench and tile. The cleanouts are located at the east end, in the middle, and at the manhole at the west end of the line. Figure 1 in the body of the report illustrates the locations of gas monitoring Points. Table 13 includes the results of the quarterly monitoring.

Explosive gas concentrations are recorded as percent lower explosive limit (% LEL) and were undetected or detected below action levels at all subsurface monitoring points during the monitoring episodes, except at GP-6 (located near MW-14). It is noted that subsurface gas probe GP-6 (located near MW-14) had measurable gas concentrations in January, April, and October of both 2024 and 2025. Further, the recorded gas concentration on January 25, 2024 and on January 28, 2025 exceeded the 100% Lower Explosive Limit. The response pursuant IAC 567, Chapter 113.9(2)"c"(3) was the submittal of the gas study near MW-14 on January 29, 2024 (Doc # 108997) and the installation of the passive gas vents along the south side of the Closed landfill (May of 2025 – Doc #113075).

The vents in the waste (GP-8, GP-9, and GP-10) and the vents on the ACM piping (GP-11, GP-12, and GP-13) demonstrate the passive release of gas. A Summary table of gas monitoring is as Table 13.

Passive Vents 1-6 were monitored on July, 2025 and October 16, 2025 to demonstrate compliance with the Corrective Action Monitoring Plan (CAMP). The results are presented in Table 14 and show that there is gas venting from the vents as designed.

On August 21, 2025 each passive vent had discharge from the passive vents characterized using a Landtek® GEM 5000 Gas Analyzer. The results a summarized below and are considered to be representative of the landfill gas character.

August 21, 2025

Vent	CH4%	CO2%	O2%	H2S (ppm)	CO(ppm)	Balance%
1	43.3	33.0	0	2	3	23.6
2	53.7	37.3	0	2	2	8.9
3	55.0	36.0	0	2	4	9.2
4	47.3	32.7	0	2	2	19.9
5	12.3	14.2	11.4	1	1	61.5
6	18.5	21.7	0.7	2	1	58.2

Section 6.0 Recommendations

It is recommended that the Site-Specific GWPS for arsenic (89.3 ug/L) and Cobalt (12.4 ug/L) continue to be utilized as approved in accordance with the Unified Guidance.

It is recommended that detection, assessment, and corrective action monitoring continue semi-annually in accordance with the approved HMSP and Table 1 and Table 2.

It is recommended that Corrective Action Monitoring at MW-49A, MW-13R, MW-14, ACM Tile 1, PECS-1, MW-7, MW-7A, MW-7B, and Vents 1-6 continue on a semi-annual basis.

The ditch below ACM Tile 1 should be cleaned in 2026.

Figures

- GP-1 TELEPHONE PEDESTAL
- GP-2 POWER POLE DROP CONDUIT
- GP-3 GAS PROBE
- GP-4 GAS PROBE
- GP-5 GAS PROBE
- GP-6 GAS PROBE
- GP-7 GAS PROBE
- GP-8 WEST GAS VENT
- GP-9 MIDDLE GAS VENT
- GP-10 EAST GAS VENT
- GP-11 ACM WEST CLEANOUT/MANHOLE
- GP-12 ACM MIDDLE CLEANOUT
- GP-13 ACM EAST CLEANOUT
- ACM TILE-1 ACM TILE OUTLET
- PECS-1 SEDIMENT BASIN DISCHARGE



0 200 400
AERIAL DATE: JUNE 27, 2018

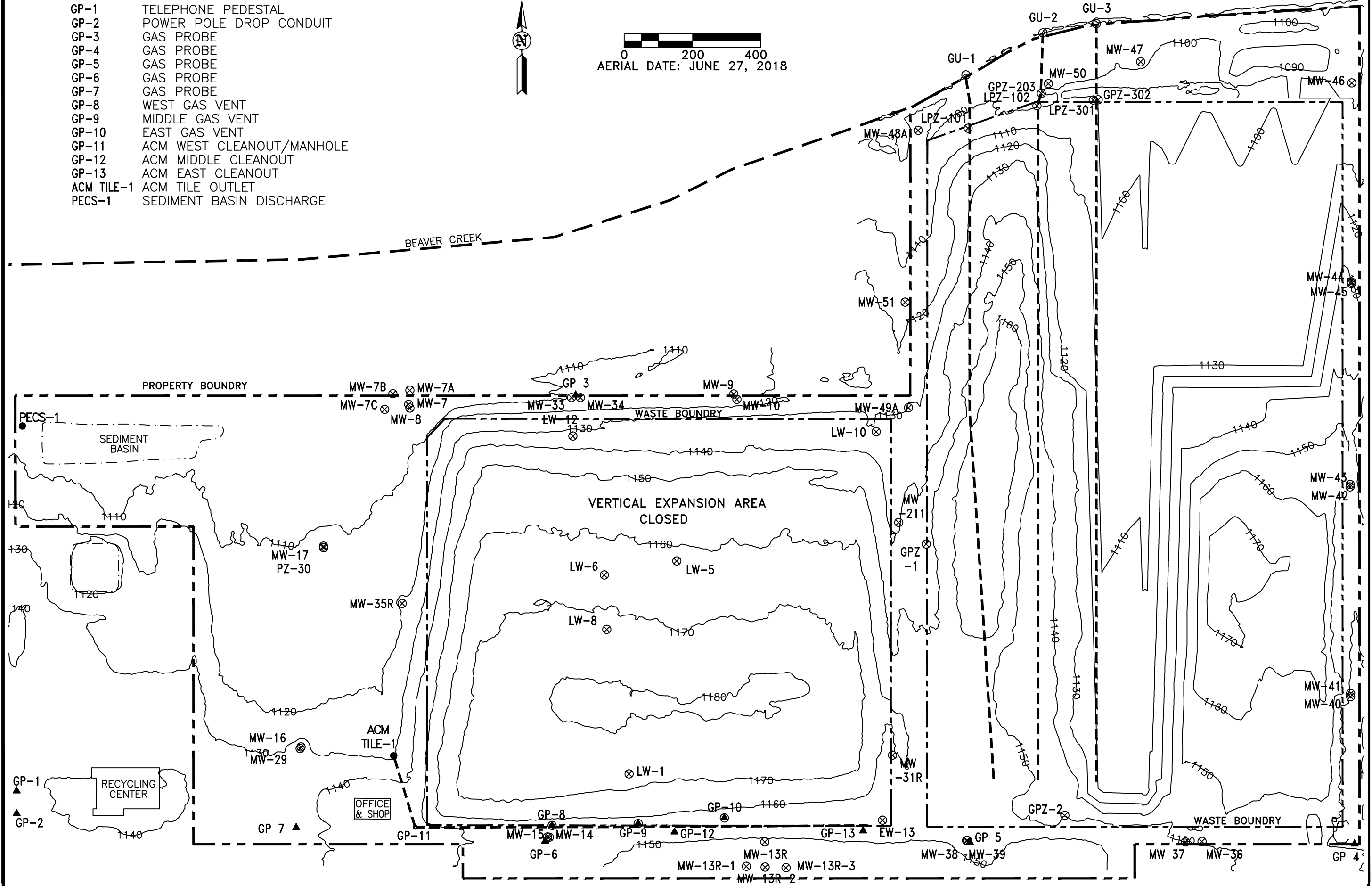


FIGURE: 1

SITE PLAN AND GAS MONITORING SYSTEM PLAN RURAL IOWA SANITARY LANDFILL ELDORA, IOWA

HLW Engineering Group
204 West Broad Street, P.O. Box 314
Story City, Iowa 50248
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HLW Engineering Group

REVISION	NO.	DATE
DRAWN	6006	11-20-25
DRA		

WATER ELEVATION, OCTOBER 16, 2025					
WELL	ELEV.	WELL	ELEV.	WELL	ELEV.
MW-7	1091.19	MW-39	1135.54	MW-51	1105.39
MW-9	1107.99	MW-40	1115.42	MW-211	1124.39
MW-13R	1137.06	MW-43	1138.60	LW-1	1148.50
MW-14	1145.47	MW-45	1110.36	LW-5	1149.50
MW-29	1125.19	MW-46	1087.78	LW-6	1140.28
MW-31R	1139.01	MW-47	1088.57	LW-8	1125.00
MW-33	1099.19	MW-48A	1089.73	LW-10	1129.43
MW-35R	1114.04	MW-49A	1117.30	LW-12	1124.35
MW-37	1135.99	MW-50	1088.37	PZ-30	1105.17



0 200 400
AERIAL DATE: JUNE 27, 2018

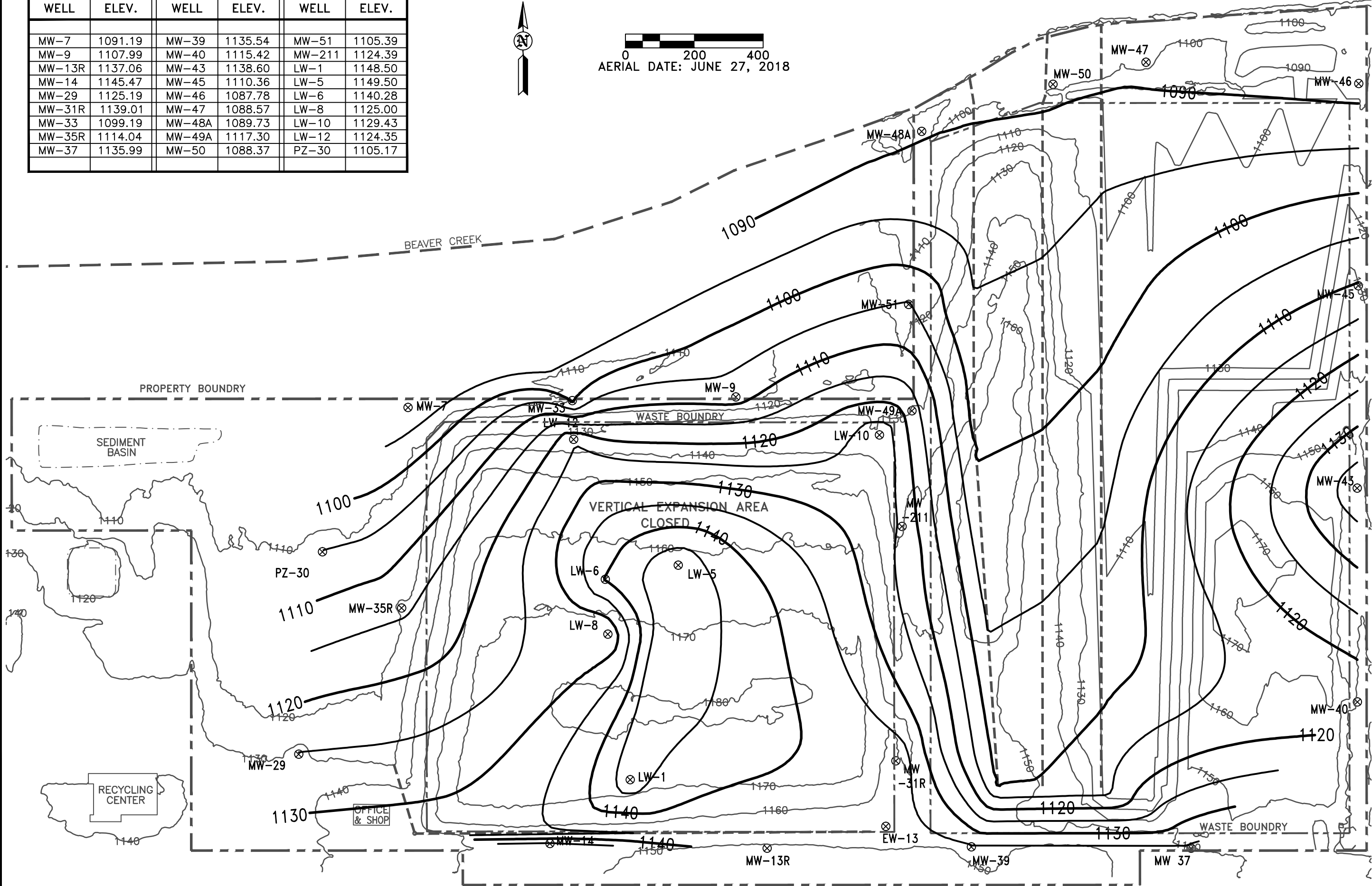


FIGURE: 2
GROUNDWATER CONTOURS
WATER TABLE
RURAL IOWA SANITARY LANDFILL
ELDORA, IOWA

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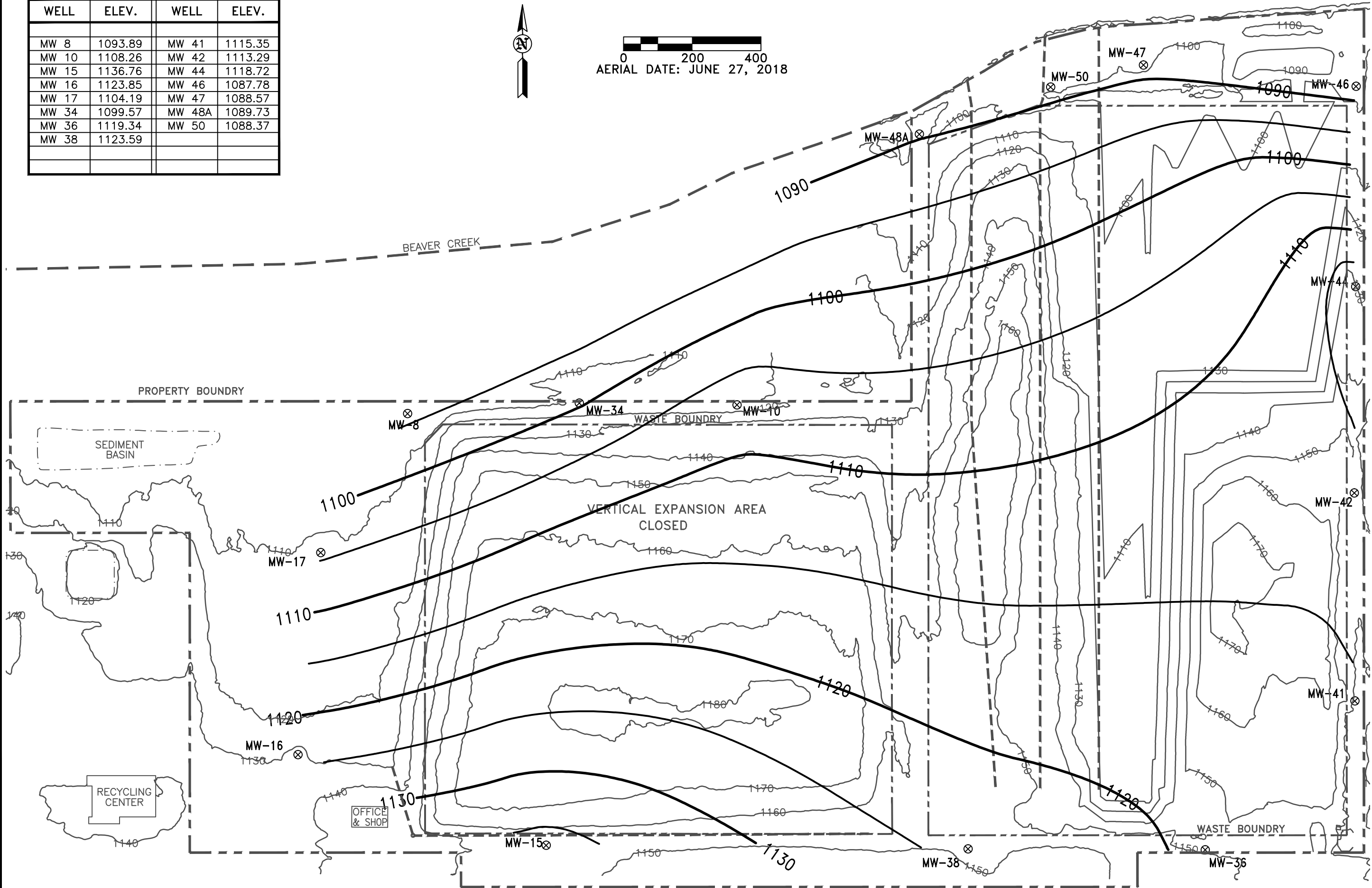


REVISION	NO.	DATE	
		PROJECT NO.	DATE
DRAWN	DRA	6006	11-20-25

WATER ELEVATION, OCT 16, 2025			
WELL	ELEV.	WELL	ELEV.
MW 8	1093.89	MW 41	1115.35
MW 10	1108.26	MW 42	1113.29
MW 15	1136.76	MW 44	1118.72
MW 16	1123.85	MW 46	1087.78
MW 17	1104.19	MW 47	1088.57
MW 34	1099.57	MW 48A	1089.73
MW 36	1119.34	MW 50	1088.37
MW 38	1123.59		



0 200 400
AERIAL DATE: JUNE 27, 2018



GROUNDWATER CONTOURS
UPPER AQUIFER SAND LAYER
RURAL IOWA SANITARY LANDFILL
ELDORA, IOWA

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FIGURE:

3

REVISION	NO.	DATE
DRAWN	PROJECT NO.	DATE
DRA	6006	11-20-25

Tables

(in IDNR Format)

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Table 8 - Summary of Ongoing and Newly Identified SSL
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Table 1 – Monitoring Program Summary

Table 1
Monitoring Program Summary
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No. 42-SDP-01-72P

Monitoring Well	Formation	Current Monitoring Program	Change for next sampling event	Historic - Constituents w/ SSI	2025 - Constituents w/ SSI	2025 Constituents w/ SSL	Total # of Samples in each monitoring program since April 21, 2016		
							Detection	Assessment	Corrective Action
MW-36 (up)	Glacial Till	Background	NC	None	None	None	21	0	0
MW-37 (up)	Glacial Till	Background	NC	None	None	None	25	0	0
MW-39 (up)	Glacial Till	Background	NC	None	None	None	25	0	0
MW-40 (up)	Glacial Till	Background	NC	None	None	None	25	0	0
MW-47 (up)	Alluvium	Background	NC	None	None	None	24	0	0
MW-48A	Alluvium	Assessment - POC	NC	arsenic	None	None	0	20	0
MW-49A	Glacial Till	CAMP	NC	cobalt, copper, nickel, benzene, chloroethane, cis-1,2-dichlorethene, vinyl chloride	cobalt, nickel, benzene, chloroethane, cis-1,2-dichlorethene, vinyl chloride	Cobalt, Vinyl Chloride	0	20	0
MW-50	Alluvium	Detection - POC	NC	None	None	None	20	0	0
MW-51	Glacial Till	Detection - POC	NC	None	None	None	20	0	0
GU-1	Glacial Till	Detection - POC	NC	None	None	None	8	0	0
GU-2	Glacial Till	Detection - POC	NC	None	None	None	8	0	0
GU-3	Glacial Till	Detection - POC	NC	None	None	None	19	0	0
MW-7	Alluvium	CAMP	NC	arsenic, cobalt, 1,1-dichloroethane, benzene, bis(2ethylhexyl)phthalate, chloroethane, cis-1,2-dichloroethene, vinyl chloride	arsenic, benzene, chloroethane	arsenic	0	0	20
MW-7A	Alluvium	CAMP	NC	None	None	None	0	0	20
MW-7B	Alluvium	CAMP	NC	None	arsenic	arsenic	0	0	20
MW-9	Glacial Till	Assessment - POC	NC	arsenic, cobalt, nickel, 1,1-dichloroethane, benzene, chloroethane	None	None	0	20	0
MW-13R	Glacial Till	CAMP	NC	arsenic, barium, cobalt, nickel, 1,4-dichlorobenzene, benzene, bis(2-ethylhexyl)phthalate, chlorobenzene, cis-1,2-dichloroethene, toluene, vinyl chloride	arsenic, 1,4-dichlorobenzene, benzene, chlorobenzene	arsenic	0	0	20
MW-14	Glacial Till	CAMP	NC	arsenic, barium, cobalt, nickel, 1,1-dichloroethane, 1,4-dichlorobenzene, benzene, bis(2-ethylhexyl)phthalate, chloroethane, cis-1,2-dichloroethene	cobalt, 1,4-dichlorobenzene, chloroethane	Cobalt	0	20	0
MW-29	Glacial Till	Detection - POC	NC	None	None	None	20	0	0
MW-33	Glacial Till	Detection - POC	NC	None	None	None	20	0	0
MW-35R	Glacial Till	Assessment - POC	NC	barium, cobalt, nickel, 1,1-dichloroethane, benzene, chloroethane, cis-1,2-dichloroethene, vinyl chloride	chloroethane, vinyl chloride	None	0	19	0
Tile ACM-1	Glacial Till	CAMP	NC	Detected: arsenic, cobalt, 1,1-dichloroethane, 1,4-dichlorobenzene, benzene, chlorobenzene, chloroethane, cis-1,2-dichloroethene, ethylbenzene, toluene, vinyl chloride	Detected: arsenic, cobalt, 1,1-dichloroethane, 1,4-dichlorobenzene, benzene, chlorobenzene, chloroethane, cis-1,2-dichloroethene	Greater than GWPS: arsenic	0	0	10
PECS-1	surface	CAMP	NC	None	None	None	0	0	9

CAMP = Corrective Action Monitoring Point
POC = Point of Compliance Well
SOW = Step Out Well (113.10(6))"g"(1)"2")

Table 2 – Monitoring Program Implementation Schedule

Table 2
Monitoring Program Implementation Schedule
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No. 42-SDP-01-72P

Monitoring Well	Recent Sampling Dates and Constituents	Upcoming Sampling Dates and Constituents		Full Appendix II Sample Dates	
		April 2026	October 2026	Previously Collected	Next Event
MW-36 (up)	See following pages	Appendix I	Appendix I		N/A
MW-37 (up)		Appendix I	Appendix I		N/A
MW-39 (up)		Appendix I	Appendix I		N/A
MW-40 (up)		Appendix I	Appendix I		N/A
MW-47 (up)		Appendix I	Appendix I		N/A
MW-48A		Appendix I	Appendix I	2/23/10, 4/12/10, 4/1/15, 4/22/20, 4/15/2025	Apr-30
MW-49A		Appendix I	Appendix I	6/22/09, 2/23/10, 4/12/10, 4/1/15, 4/22/20, 4/15/2025	Apr-30
MW-50		Appendix I	Appendix I		
MW-51		Appendix I	Appendix I		
GU-1		Appendix I	Appendix I		
GU-2		Appendix I	Appendix I		
GU-3		Appendix I	Appendix I		
MW-7		Appendix I	Appendix I	4/20/12, 10/17/12, 10/16/17, 10/17/2022	Oct-27
MW-7A		arsenic	arsenic		
MW-7B		arsenic	arsenic		
MW-9		Appendix I	Appendix I	4/24/18, 4/15/19, 4/2/24	Apr-29
MW-13R		Appendix I	Appendix I	4/20/12, 10/17/12, 10/16/17, 10/17/2022	Oct-27
MW-14		Appendix I	Appendix I	4/20/12, 10/17/12, 10/16/17, 10/17/2022	Oct-27
MW-29		Appendix I	Appendix I		
MW-33		Appendix I	Appendix I		
MW-35R		Appendix I	Appendix I	4/20/12, 10/17/12, 10/16/17, 10/17/2022	Oct-27
Tile ACM-1		Appendix I	Appendix I		
PECS-1		Appendix I-VOC	Appendix I-VOC		
Field Duplicate		Appendix I	Appendix I		

⁽¹⁾ add bis(2-ethylhexyl)phthalate

Table 2A – Summary of Hydrologic Monitoring (to date)

Table 2A - Itemized Summary of Hydrologic Monitoring (to date)

WELL	4/8/08	6/13/08	8/23/08	10/2/08	12/23/08
MW-37(b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-39(b)	---	---	---	---	---
MW-40(b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-47(b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-48A	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-49A	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-50	---	---	---	---	---
MW-51	---	---	---	---	---
GU-1	Dry	Dry	Dry	Dry	Dry
GU-2	Appendix I	Appendix I	Dry	Dry	Dry
MW-7	---	---	---	---	---
MW-9	---	---	---	---	---
MW-13R	---	---	---	---	---
MW-14	---	---	---	---	---
MW-29	---	---	---	---	---
MW-33	---	---	---	---	---
MW-35	---	---	---	---	---
MW-211	---	---	---	---	---

WELL	4/3/09	6/22/09	8/24/09	10/9/09	2/23/10
MW-37(b)	Appendix I	---	---	Appendix I	Zinc
MW-39 (b)	---	---	---	---	---
MW-40 (b)	Appendix I	---	---	Appendix I	Thallium
MW-47(b)	Appendix I	---	---	Appendix I	Appendix II
MW-48A	Appendix I	---	---	Appendix I	Appendix II
MW-49A	Appendix I	Appendix II	---	Appendix I	Appendix II
MW-50	---	---	---	---	---
MW-51	---	---	---	---	---
GU-1	Dry	Dry	Appendix I	Dry	---
GU-2	Dry	---	Dry	Dry	---
MW-7	---	---	---	---	---
MW-9	---	---	---	---	---
MW-13R	---	---	---	---	---
MW-14	---	---	---	---	---
MW-29	---	---	---	---	---
MW-33	---	---	---	---	---
MW-35	---	---	---	---	---
MW-211	---	---	---	---	---
Duplicate	At MW-37	---	---	At MW-7	---

WELL	4/12/10	10/14/10	1/13/11	4/8/11	6/27/11
MW-37(b)	Appendix I	Appendix I	---	Appendix I	---
MW-39(b)	---	Appendix I	---	Appendix I	Appendix I
MW-40 (b)	Appendix I	Appendix I	---	Appendix I	---
MW-47(b)	Appendix II	Appendix I*	---	Appendix I*	---
MW-48A	Appendix II	Appendix I*	---	Appendix I*	---
MW-49A	Appendix II	Appendix I*	---	Appendix I*	---
MW-50		Installed 11-2011	Appendix I	Appendix I	Appendix I
MW-51		Installed 11-2011	Appendix I	Appendix I	Appendix I
GU-1	Submerged	Dry	---	Submerged	---
GU-2	Dry	Dry	---	Dry	---
MW-7	---	Appendix I	---	Appendix I	---
MW-9	---	Appendix I	---	Appendix I	---
MW-13R		Installed 11-2011	Appendix I	Appendix I	---
MW-14	---	Appendix I	---	Appendix I	---
MW-29	---	Appendix I	---	Appendix I	---
MW-33	---	Appendix I	---	Appendix I	---
MW-35	---	Appendix I	---	Appendix I	---
MW-211	---	Appendix I	---	Appendix I	---
Duplicate	At MW-48A	---	At MW-50	At MW-211	At MW-39

WELL	8/24/11	10/18/11	4/20/12	10/17/12	4/3/13
MW-37 (b)	---	Appendix I	Appendix I	Appendix I	Appendix I
MW-39 (b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-40 (b)	---	Appendix I	Appendix I	Appendix I	Appendix I
MW-47(b)	---	Appendix I*	Appendix I*	Appendix I*	Appendix I*
MW-48A	---	Appendix I*	Appendix I*	Appendix I*	Appendix I*
MW-49A	---	Appendix I*	Appendix I*	Appendix I*	Appendix I*
MW-50	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-51	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
GU-1	---	Appendix I	Appendix I	Appendix I	Dry
GU-2	---	Dry	Appendix I	Appendix I	Dry
MW-7	---	Appendix I	Appendix II	Appendix II	Appendix I ^(1,2)
MW-9	---	Appendix I	Appendix I	Appendix I	Appendix I
MW-13R	---	Appendix I	Appendix II	Appendix II	Appendix I ⁽¹⁾
MW-14	---	Appendix I	Appendix II	Appendix II	Appendix I*
MW-29	---	Appendix I	Appendix I	Appendix I	Appendix I
MW-31R	---	---	Appendix I	Appendix I	Appendix II
MW-33	---	Appendix I	Appendix I	Appendix I	Appendix I
MW-35	---	Appendix I	Appendix II	Appendix II	Appendix I*
MW-211	---	Appendix I	Appendix II	Appendix II	Appendix I*
Duplicate		At MW-13R	At MW31R	At MW48A	At MW7

WELL	10/9/13	4/16/14	10/23/14	1/8/15	4/1/15
MW-37 (b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-39 (b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-40 (b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-47(b)	Appendix I*	Appendix I*	Appendix I*	---	Appendix II
MW-48A	Appendix I*	Appendix I*	Appendix I*	---	Appendix II
MW-49A	Appendix I*	Appendix I*	Appendix I*	---	Appendix II
MW-50	Appendix I	Appendix I	Appendix I	---	Appendix I
MW-51	Appendix I	Appendix I	Appendix I	(R) - barium	Appendix I
GU-1	Dry	Dry	Dry	---	Dry

GU-2	Dry	Dry	Dry	---	Dry
MW-7	Appendix I ^(1,2)	Appendix I ^(1,2)	Appendix I ^(1,2)	---	Appendix I ^(1,2)
MW-7A	Arsenic	Arsenic	Arsenic	---	broken
MW-7B	Arsenic	Arsenic	Arsenic	---	Arsenic
MW-9	Appendix I	Appendix I	Appendix I	---	Appendix I
MW-13R	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾	---	Appendix I ⁽¹⁾
MW-14	Appendix I*	Appendix I*	Appendix I*	---	Appendix I*
MW-29	Appendix I	Appendix I	Appendix I	---	Appendix I
MW-31R	Appendix II	Appendix I ^(1,2)	Appendix I ^(1,2)	---	Appendix I ^(1,2)
MW-33	Appendix I	Appendix I	Appendix I	---	Appendix I
MW-35	Appendix I*	Appendix I*	Appendix I*	---	Appendix I*
MW-211	Appendix I*	Appendix I*	Appendix I*	---	Appendix I*
Duplicate	At MW33		At MW50		At MW14

WELL	7/8/15	11/5/15
MW-37 (b)	Appendix I	Appendix I
MW-39 (b)	Appendix I	Appendix I
MW-40 (b)	Appendix I	Appendix I
MW-47(b)	Appendix I	Appendix I
MW-48A	---	Appendix I ⁽¹⁾
MW-49A	---	Appendix I ⁽²⁾
MW-50	---	Appendix I
MW-51	---	Appendix I
GU-1	---	Dry
GU-2	---	Dry
GU-3		Appendix I
MW-7	---	Appendix I ^(1,2)
MW-7A	---	Arsenic
MW-7B	---	Arsenic
MW-9	---	Appendix I
MW-13R	---	Appendix I ⁽¹⁾
MW-14	---	Appendix I*
MW-29	---	Appendix I
MW-31R	---	Appendix I ^(1,2)
MW-33	---	Appendix I
MW-35	Appendix I	broken
MW-36	Appendix I	---
MW-211	---	Appendix I*
Duplicate	---	At MW31R

* = Appendix I plus no detected Appendix II compounds performed in accordance with 113.10(6)d.2.

(1) = bis(2ethylhexyl) phthalate

(2) = dichlorodifluoromethane

WELL	4/21/16	10/17/16	1/9/17	4/21/17	7/13/17
MW-36 (b)	Appendix I	Appendix I		Appendix I	
MW-37 (b)	Appendix I	Appendix I		Appendix I	
MW-39 (b)	Appendix I	Appendix I		Appendix I	
MW-40 (b)	Appendix I	Appendix I		Appendix I	
MW-47 (b)	Appendix I	Appendix I		Appendix I	
MW-48A	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾		Appendix I ⁽¹⁾	
MW-49A	Appendix I ⁽²⁾	Appendix I ⁽²⁾	(R) -As + Ba	Appendix I ⁽²⁾	
MW-50	Appendix I	Appendix I		Appendix I	
MW-51	Appendix I	Appendix I		Appendix I	(R) – Ba
GU-1	Dry	Dry		Dry	
GU-2	Dry	Dry		Dry	
GU-3	Appendix I	Appendix I		Appendix I	
MW-7	Appendix I ^(1,2)	Appendix I ^(1,2)		Appendix I ^(1,2)	
MW-7A	Arsenic	Arsenic		Arsenic	
MW-7B	Arsenic	Arsenic	Arsenic	Arsenic	
MW-9	Appendix I	Appendix I		Appendix I	
MW-13R	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾		Appendix I ⁽¹⁾	
MW-14	Appendix I*	Appendix I*	(R) – Co	Appendix I*	(R) - Ni
MW-29	Appendix I	Appendix I		Appendix I	
MW-31R	Appendix I ^(1,2)	Appendix I ^(1,2)		Appendix I ^(1,2)	
MW-33	Appendix I	Appendix I		Appendix I	
MW-35R	---	Appendix I	(R) – Ba + Ni	Appendix I	
MW-211	Appendix I*	Appendix I*		Appendix I*	
Duplicate	At MW-14	At MW-37		At MW-9	
WELL	10/16/17	1/12/18	4/24/18	7/5/18	10/25/18
MW-36 (b)	Appendix I		Appendix I		Appendix I
MW-37 (b)	Appendix I		Appendix I		Appendix I
MW-39 (b)	Appendix I		Appendix I		Appendix I
MW-40 (b)	Appendix I		Appendix I		Appendix I
MW-47 (b)	Appendix I		Appendix I		Appendix I
MW-48A	Appendix I ⁽¹⁾		Appendix I		Appendix I
MW-49A	Appendix I ⁽²⁾		Appendix I		Appendix I
MW-50	Appendix I	(R) – Cu	Appendix I	(R) – Ba	Appendix I
MW-51	Appendix I		Appendix I	(R) – Ni	Appendix I
GU-1	Dry		Dry		Dry
GU-2	Dry		Dry		Dry
GU-3	Appendix I		Appendix I	(R) – Zn	Appendix I
MW-7	Appendix II		Appendix I		Appendix I
MW-7A	Arsenic		Arsenic		Arsenic
MW-7B	Arsenic		Arsenic		Arsenic
MW-9	Appendix I		Appendix II		Appendix I
MW-13R	Appendix II		Appendix I ⁽³⁾		Appendix I ⁽³⁾
MW-14	Appendix II	(R) – Ba + Co	Appendix I		Appendix I
MW-29	Appendix I		Appendix I	(R) – Cu, Zn	Appendix I
MW-31R	Appendix I		Appendix I		Appendix II
MW-33	Appendix I		Appendix I		Appendix I
MW-35R	Appendix II		Appendix I		Appendix I
MW-211	Appendix II		Appendix I		Appendix I
Duplicate	At MW-14		At MW-9		At MW-31R

* = Appendix I plus no detected Appendix II compounds performed in accordance with 113.10(6)d.2.

(1) = bis(2ethylhexyl) phthalate

(R) – X = Resample of specific compound

(2) = dichlorodifluoromethane

(3) = (3+4)methyl phenol

WELL	4/15/2019	10/7/2019	4/22/2020	7/10/2020	10/1/2020
MW-36 (b)	Appendix I	Appendix I	Appendix I		Appendix I
MW-37 (b)	Appendix I	Appendix I	Appendix I		Appendix I
MW-39 (b)	Appendix I	Appendix I	Appendix I		Appendix I
MW-40 (b)	Appendix I	Appendix I	Appendix I		Appendix I
MW-47 (b)	Appendix I	Appendix I	Appendix I		Appendix I
MW-48A	Appendix I	Appendix I	Appendix II		Appendix I
MW-49A	Appendix I	Appendix I	Appendix II		Appendix I
MW-50	Appendix I	Appendix I	Appendix I		Appendix I
MW-51	Appendix I	Appendix I	Appendix I	(R) - Ba	Appendix I
GU-1	Dry	Dry	Dry		Dry
GU-2	Dry	Dry	Dry		Dry
GU-3	Appendix I	Appendix I	Appendix I		Appendix I
MW-7	Appendix I	Appendix I	Appendix I		Appendix I
MW-7A	Arsenic	Arsenic	Arsenic		Arsenic
MW-7B	Arsenic	Arsenic	Arsenic		Arsenic
MW-9	Appendix II	Appendix I	Appendix I		Appendix I
MW-13R	Appendix I ⁽³⁾	Appendix I ⁽³⁾	Appendix I ⁽³⁾		Appendix I ⁽³⁾
MW-14	Appendix I	Appendix I	Appendix I		Appendix I
MW-29	Appendix I	Appendix I	Appendix I		Appendix I
MW-31R	Appendix I	Appendix I	Appendix I		Appendix I
MW-33	Appendix I	Appendix I	Appendix I		Appendix I
MW-35R	Appendix I	Appendix I	Appendix I		Appendix I
MW-211	Appendix I	Appendix I	Appendix I		Appendix I
Tile ACM-1	Appendix I	Appendix I	Appendix I		Dry
PECS-1	App I VOC	App I VOC	Dry		Dry
Duplicate	At MW-33	At MW-35R	At MW-40		At MW-7B

(1) = bis(2ethylhexyl) phthalate

(2) = dichlorodifluoromethane

(3) = (3+4)methyl phenol

(R) – X = Resample of specific compound

WELL	4/8/2021	7/1/2021	10/29/2021	1/27/2022	4/25/2022	10/17/2022
MW-36 (b)	Appendix I		Appendix I		Appendix I	Appendix I
MW-37 (b)	Appendix I		Appendix I		Appendix I	Appendix I
MW-39 (b)	Appendix I		Appendix I		Appendix I	Appendix I
MW-40 (b)	Appendix I		Appendix I		Appendix I	Appendix I
MW-47 (b)	Appendix I		Appendix I		Appendix I	Appendix I
MW-48A	Appendix I		Appendix I		Appendix I	Appendix I
MW-49A	Appendix I		Appendix I		Appendix I	Appendix I
MW-50	Appendix I		Appendix I		Appendix I	Appendix I
MW-51	Appendix I		Appendix I	(R) - Zn	Appendix I	Appendix I
GU-1	Dry		Dry		Dry	Dry
GU-2	Dry		Dry		Dry	Dry
GU-3	Appendix I	(R) - acetone	Appendix I		Underdrain Study	Underdrain Study
MW-7	Appendix I		Appendix I		Appendix I	Appendix II
MW-7A	Arsenic		Arsenic		Arsenic	Arsenic
MW-7B	Arsenic		Arsenic		Arsenic	Arsenic
MW-9	Appendix I		Appendix I		Appendix I	Appendix I
MW-13R	Appendix I ⁽³⁾		Appendix I ⁽³⁾		Appendix I ⁽³⁾	Appendix II
MW-14	Appendix I		Appendix I		Appendix I	Appendix II
MW-29	Appendix I		Appendix I		Appendix I	Appendix I
MW-31R	Appendix I		Appendix I		Appendix I	Appendix I
MW-33	Appendix I		Appendix I		Appendix I	Appendix I
MW-35R	Appendix I		Appendix I		Appendix I	Appendix II
MW-211	Appendix I		Appendix I		Appendix I	Appendix II
Tile ACM-1	Dry		Appendix I		Appendix I	Dry
PECS-1	App I VOC		App I VOC		App I VOC	Dry
Duplicate	At MW-33		At MW-50		At MW-39	At MW-31R

(1) = bis(2ethylhexyl) phthalate

(R) – X = Resample of specific compound

(2) = dichlorodifluoromethane

(3) = (3+4)methyl phenol

WELL	1/5/2023	4/10/2023	10/27/2023	4/2/2024	10/10/2024
MW-36 (b)		Appendix I	Appendix I	Appendix I	Appendix I
MW-37 (b)		Appendix I	Appendix I	Appendix I	Appendix I
MW-39 (b)		Appendix I	Appendix I	Appendix I	Appendix I
MW-40 (b)		Appendix I	Appendix I	Appendix I	Appendix I
MW-47 (b)		Appendix I	Appendix I	Appendix I	Appendix I
MW-48A		Appendix I	Appendix I	Appendix I	Appendix I
MW-49A		Appendix I	Appendix I ⁽³⁾	Appendix I	Appendix I
MW-50		Appendix I	Appendix I	Appendix I	Appendix I
MW-51		Appendix I	Appendix I	Appendix I	Appendix I
GU-1		Dry	Dry	Dry	Dry
GU-2		Dry	Dry	Dry	Dry
GU-3		Appendix I	Appendix I	Appendix I	Appendix I
MW-7	(R) bis(2ethylhexyl) phthalate	Appendix I	Appendix I	Appendix I	Appendix I
MW-7A		Arsenic	Arsenic	Arsenic	Arsenic
MW-7B		Arsenic	Arsenic	Arsenic	Arsenic
MW-9		Appendix I	Appendix I	Appendix II	Appendix I
MW-13R	(R) bis(2ethylhexyl) phthalate	Appendix I	Appendix I ⁽³⁾	Appendix I	Appendix I
MW-14	(R) bis(2ethylhexyl) phthalate	Appendix I	Appendix I	Appendix I	Appendix I
MW-29		Appendix I	Appendix I	Appendix I	Appendix I
MW-31R		Appendix I	Appendix II ⁽³⁾	Appendix I	Appendix I
MW-33		Appendix I	Appendix I	Appendix I	Appendix I
MW-35R	(R) bis(2ethylhexyl) phthalate	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾	Appendix I	Appendix I
MW-211		Appendix I	Appendix I ⁽³⁾	Appendix I	Appendix I
Tile ACM-1		Appendix I	Dry	Appendix I	Dry
PECS-1		App I VOC	Dry	Appendix I	Dry
Duplicate		At MW-51	At MW-211	App. I Metals	App. I Metals

(1) = bis(2ethylhexyl) phthalate

(R) – X = Resample of specific compound

(2) = dichlorodifluoromethane

(3) = (dissolved methane, ethane, ethene)

WELL	4/15/2025	10/16/2025		
MW-36 (b)	Appendix I	Appendix I		
MW-37 (b)	Appendix I	Appendix I		
MW-39 (b)	Appendix I	Appendix I		
MW-40 (b)	Appendix I	Appendix I		
MW-47 (b)	Appendix I	Appendix I		
MW-48A	Appendix II	Appendix I		
MW-49A	Appendix II	Appendix I		
MW-50	Appendix I	Appendix I		
MW-51	Appendix I	Appendix I		
GU-1	Dry	Dry		
GU-2	Dry	Dry		
GU-3	Appendix I	Appendix I		
MW-7	Appendix I	Appendix I		
MW-7A	Arsenic	Arsenic		
MW-7B	Arsenic	Arsenic		
MW-9	Appendix I	Appendix I		
MW-13R	Appendix I	Appendix I		
MW-14	Appendix I	Appendix I		
MW-29	Appendix I	Appendix I		
MW-33	Appendix I	Appendix I		
MW-35R	Appendix I	Appendix I		
Tile ACM-1	Appendix I	Appendix I		
PECS-1	App I VOC	Dry		
Duplicate	At GU-3	At MW-9		

(1) = bis(2ethylhexyl) phthalate

(R) – X = Resample of specific compound

(2) = dichlorodifluoromethane

(3) = (dissolved methane, ethane, ethene)

Table 3 – Monitoring Well Maintenance Performance Reevaluation Schedule

Table 3
Monitoring Well Maintenance and Performance Revaluation Schedule
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No. 42-SDP-01-72P

Compliance with:	Monitoring Calendar Years									
	1998	2003	2008	2009	2010	2011	2012	2013	2014	2015
567 IAC 113.10(2)"f"(1) high and low water levels (biennial)	X	X	X		X		X		X	
567 IAC 113.10(2)"f"(2) changes in the hydrologic setting and flow paths(historic = 1 per 5 years; current = biennial)	X	X	X		X		X		X	
567 IAC 113.10(2)"f"(3) well depths (annual)	X	X	X	X	X	X	X	X	X	X
567 IAC 113.10(2)"f"(4) well recharge rates and chemistry (biennial)	X	X			X		X		X	
Waste separation from ground water 113.6(2)"l"				2X	2X	2X	2X	2X	2X	2X

Compliance with:	Monitoring Calendar Years									
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
567 IAC 113.10(2)"f"(1) high and low water levels (biennial)	X		X		X		X		X	
567 IAC 113.10(2)"f"(2) changes in the hydrologic setting and flow paths(historic = 1 per 5 years; current = biennial)	X		X		X		X		X	
567 IAC 113.10(2)"f"(3) well depths (annual)	X	X	X	X	X	X	X	X	X	X
567 IAC 113.10(2)"f"(4) well recharge rates and chemistry (biennial)	X		X		X		X		X	
Waste separation from ground water 113.6(2)"l"	2X	2X	2X	2X	2X	2X	2X	2X	2X	2X

X = completed

P = Planned

Table 4 – Monitoring Well Maintenance Performance Reevaluation Summary

Table 4
Monitoring Well Maintenance and Performance Summary
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No. 42-SDP-01-72P

Well	Top of casing	Top of Screen	Total Depth		Date of Measurements		Maximum Depth Discrepancy (ft)	Hydraulic Cond. (cm/sec)/date	Most Recent Recharge Rate	
					4/15/2025	10/16/2025			4/2/2024	Change
MW-36	1151.02	1089.84	71.18	Groundwater Level (ft)	31.55	31.68	-0.22	0.0000245 January, 2001	Full recovery in <24 hour	None percieved
				Groundwater Elevation (Ft MSL)	1119.47	1119.34				
				Measured Well Depth (ft)	71.4	71.4				
				Submerged (+) or Exposed screen (-)	29.63	29.5				
MW-37	1151.38	1141.78	29.35	Groundwater Level (ft)	12.21	15.29	0.05	0.000000681 October, 2011	>90% recovery in >24 hour	None percieved
				Groundwater Elevation (Ft MSL)	1139.17	1136.09				
				Measured Well Depth (ft)	29.3	29.3				
				Submerged (+) or Exposed screen (-)	-2.61	-5.69				
MW-39	1153.09	1126.79	38.6	Groundwater Level (ft)	17.45	17.55	0	0.00000115 October, 2011	>90% recovery in >24 hour	None percieved
				Groundwater Elevation (Ft MSL)	1135.64	1135.54				
				Measured Well Depth (ft)	38.6	38.6				
				Submerged (+) or Exposed screen (-)	8.85	8.75				
MW-40	1137.89	1119.89	37.55	Groundwater Level (ft)	24.05	22.47	0.25	0.000000517 October, 2011	>90% recovery in >24 hour	None percieved
				Groundwater Elevation (Ft MSL)	1113.84	1115.42				
				Measured Well Depth (ft)	37.3	37.3				
				Submerged (+) or Exposed screen (-)	-6.05	-4.47				
MW-47	1099.82	1090.32	18.75	Groundwater Level (ft)	11.28	11.25	0.05	0.0109 October, 2011	Full recovery in <24 hour	None percieved
				Groundwater Elevation (Ft MSL)	1088.54	1088.57				
				Measured Well Depth (ft)	18.7	18.7				
				Submerged (+) or Exposed screen (-)	-1.78	-1.75				
MW-48A	1101.03	1090.53	20.1	Groundwater Level (ft)	11.57	11.3	0	0.000895 October, 2011	Full recovery in <24 hour	None percieved
				Groundwater Elevation (Ft MSL)	1089.46	1089.73				
				Measured Well Depth (ft)	20.1	20.1				
				Submerged (+) or Exposed screen (-)	-1.07	-0.8				
MW-49A	1132.5	1117	24.55	Groundwater Level (ft)	13.6	15.02	-0.05	0.000172 October, 2011	Full recovery in <24 hour	None percieved
				Groundwater Elevation (Ft MSL)	1118.9	1117.48				
				Measured Well Depth (ft)	24.6	24.6				
				Submerged (+) or Exposed screen (-)	1.9	0.48				
MW-50	1100.39	1082.94	22.6	Groundwater Level (ft)	11.67	12.02	0	0.000145 October, 2011	Full recovery in <24 hour	None percieved
				Groundwater Elevation (Ft MSL)	1088.72	1088.37				
				Measured Well Depth (ft)	22.6	22.6				
				Submerged (+) or Exposed screen (-)	5.78	5.43				
MW-51	1116.53	1094.51	32.2	Groundwater Level (ft)	9.32	11.14	0	0.0000193 October, 2011	Full recovery in <24 hour	None percieved
				Groundwater Elevation (Ft MSL)	1107.21	1105.39				
				Measured Well Depth (ft)	32.2	32.2				
				Submerged (+) or Exposed screen (-)	12.7	10.88				
MW-7	1109.64	1089.64	25.3	Groundwater Level (ft)	17.9	18.45	0	0.00189 October, 2011	Full recovery in <24 hour	None percieved
				Groundwater Elevation (Ft MSL)	1091.74	1091.19				
				Measured Well Depth (ft)	25.3	25.3				
				Submerged (+) or Exposed screen (-)	2.1	1.55				
MW-7A	1105.29	1092.39	22.9	Groundwater Level (ft)	13.71	14.19	0.1	Not Measured	Full recovery in <24 hour	None percieved
				Groundwater Elevation (Ft MSL)	1091.58	1091.1				
				Measured Well Depth (ft)	22.8	22.8				
				Submerged (+) or Exposed screen (-)	-0.81	-1.29				
MW-7B	1105.23	1092.33	22.65	Groundwater Level (ft)	13.83	14.35	0	Not Measured	Full recovery in <24 hour	None percieved
				Groundwater Elevation (Ft MSL)	1091.4	1090.88				
				Measured Well Depth (ft)	22.65	22.65				
				Submerged (+) or Exposed screen (-)	-0.93	-1.45				
MW-9	1119.77	1106.77	17.45	Groundwater Level (ft)	8.51	11.78	-0.05	0.0000308 October, 2011	Full recovery in <24 hour	None percieved
				Groundwater Elevation (Ft MSL)	1111.26	1107.99				
				Measured Well Depth (ft)	17.5	17.5				
				Submerged (+) or Exposed screen (-)	4.49	1.22				
MW-13R	1147.71	1135.72	22.1	Groundwater Level (ft)	10.1	10.65	0	0.0000259 October, 2011	Full recovery in <24 hour	None percieved
				Groundwater Elevation (Ft MSL)	1137.61	1137.06				
				Measured Well Depth (ft)	22.1	22.1				
				Submerged (+) or Exposed screen (-)	1.89	1.34				
MW-14	1155.28	1145.28	15	Groundwater Level (ft)	9.4	9.81	0	0.0000536 October, 2011	Full recovery in <24 hour	None percieved
				Groundwater Elevation (Ft MSL)	1145.88	1145.47				
				Measured Well Depth (ft)	15	15				
				Submerged (+) or Exposed screen (-)	0.6	0.19				
MW-29	1136.65	1127.42	19.15	Groundwater Level (ft)	7.56	11.47	-0.35	0.00000131 October, 2011	Full recovery in <24 hour	None percieved
				Groundwater Elevation (Ft MSL)	1129.09	1125.18				
				Measured Well Depth (ft)	19.5	19.5				
				Submerged (+) or Exposed screen (-)	1.67	-2.24				
MW-31R	1161.26	1139.22	32	Groundwater Level (ft)	22.21	22.25	0	0.0001 May, 1998	Full recovery in <24 hour	None percieved
				Groundwater Elevation (Ft MSL)	1139.05	1139.01				
				Measured Well Depth (ft)	32	32				
				Submerged (+) or Exposed screen (-)	-0.17	-0.21				
MW-33	1115.86	1103.28	21.75	Groundwater Level (ft)	13.05	16.67	-0.05	0.000253 October, 2011	Full recovery in < 24 hour	None percieved
				Groundwater Elevation (Ft MSL)	1102.81	1099.19				
				Measured Well Depth (ft)	21.8	21.8				
				Submerged (+) or Exposed screen (-)	-0.47	-4.09				
MW-35R	1123.59	1113.57	15.05	Groundwater Level (ft)	6.52	9.55	0.05	0.00000288 October, 2011	Full recovery in < 24 hour	None percieved
				Groundwater Elevation (Ft MSL)	1117.07	1114.04				
				Measured Well Depth (ft)	15	15				
				Submerged (+) or Exposed screen (-)	3.5	0.47				
MW-211	1139.26	1121.73	27.8	Groundwater Level (ft)	12.91	14.87	0	0.0000831 October, 2011	Full recovery in < 24 hour	None percieved
				Groundwater Elevation (Ft MSL)	1126.35	1124.39				
				Measured Well Depth (ft)	27.8	27.8				
				Submerged (+) or Exposed screen (-)	4.62	2.66				

Well	Top PVC	4/15/2025		10/16/2025	
		Depth Water	Water Elevation	Depth Water	Water Elevation
MW 7C	1109.79	18.22	1091.57	18.75	1091.04
MW-8 (dg)	1109.6	14.93	1094.67	15.71	1093.89
MW-10 (dg)	1119.06	8.69	1110.37	10.8	1108.26
MW- 15 (dg)	1155.47	18.58	1136.89	18.71	1136.76
MW- 16 (dg)	1136.75	11.38	1125.37	12.9	1123.85
MW- 17 (dg)	1119.92	11.11	1108.81	15.73	1104.19
MW- 34 (dg)	1116.04	14.15	1101.89	16.47	1099.57
MW- 38 (up)	1152.97	29.41	1123.56	29.38	1123.59
MW-41	1137.77	21.97	1115.8	22.42	1115.35
MW-42	1149.55	35.6	1113.95	36.26	1113.29
MW-43	1149.95	10.89	1139.06	10.85	1139.1
MW-44	1132.08	13.21	1118.87	13.36	1118.72
MW-45	1132.11	21.98	1110.13	21.75	1110.36
MW-46	1099.87	11.71	1088.16	12.09	1087.78
PZ-30	1120.86	16.5	1104.36	15.69	1105.17
PZ-25	1139.57	6.02	1133.55	4.9	1134.67

Table 4A– Summary of Water Elevations (to date)

Table 4A
RURAL IOWA SANITARY LANDFILL
42-SDP-1-72P
MONTHLY WATER ELEVATIONS

	MW 7	MW 8	MW 9	MW 10	MW 11	MW211	PZ 12	MW 13	MW-13R	MW 14
TOP PVC. ELEV, FT.	1109.64	1109.60	1119.77	1119.06	1139.95	1139.26	1161.78	1145.35	1147.71	1155.28
DATE										
05/25/1993	1092.40	1095.24	1110.87	1112.10	1133.65		1148.40	1138.57		1140.35
09/03/1993										
09/20/1993	1093.27	1096.20	1110.91	1112.02	1134.14		1147.96	1138.63		1140.00
10/04/1993	1091.96	1094.98	1109.83	1111.32	1133.67		1147.32	1137.87		1148.28
12/15/1993	1090.64	1094.38	1109.83	1110.56	1133.47		1144.86	1137.09		1145.84
01/11/1994	1090.58	1094.22	1109.55	1110.36	1132.11		1144.28	1136.85		1145.32
04/22/1994	1094.66	1090.98	1110.62	1111.26	1132.80		1143.48	1137.70		1146.18
07/11/1994	1091.96	1095.48	1110.73	1111.86	1133.53		1146.48	1138.55		1148.08
08/11/1994	1090.74	1093.72	1109.22	1110.46	1132.33		1145.51	1137.35		1146.55
09/09/1994	1090.33	1094.43	NT	1110.01	NT		1144.51	1136.93		1145.57
10/05/1994	1089.74	1094.42	1108.73	1109.72	1130.67		1143.72	1137.27		1145.24
11/16/1994	1090.64	1094.71	1109.32	1110.56	1131.46		1148.56	1137.36		1146.60
12/09/1994	1090.81	1094.80	1109.87	1110.93	1132.07		1143.47	1137.25		1146.46
01/24/1995	1090.43	1094.54	1109.46	1110.50	1131.24		1143.22	1136.88		1145.77
02/24/1995	1096.26	1094.75	1109.77	1110.32	1133.30		1142.81	1137.49		1147.09
03/16/1995	1091.19	1094.90	1111.08	1111.29	1133.42		1143.56	1138.24		1146.98
04/12/1995	1091.95	1095.30	1113.01	1112.47	1133.85		1144.20	1139.05		1148.88
05/23/1995	1092.37	1096.31	1111.37	1112.54	1134.24		1147.08	1138.89		1148.80
06/13/1995	1092.58	1096.42	1111.06	1112.30	1133.94		1147.36	1138.83		1149.00
07/25/1995	1091.04	1095.35	1109.47	1110.86	1133.52		1146.30	1140.96		1139.00
08/24/1995	1090.60	1094.83	1109.10	1110.21	1132.10		1145.15	1137.12		1142.54
09/27/1995	1090.14	1093.69	1108.77	1109.79	1130.73		1144.00	1136.55		1136.58
10/04/1995	1090.04	1094.35	1108.72	1099.66	1130.45		1143.83	1136.55		1144.83
11/24/1995	1090.04	1094.04	1108.69	1109.50	1130.22		1142.78	1136.94		1144.45
12/22/1995	1090.53	1094.23	1108.74	1109.55	1129.55		1142.46	1136.72		1144.39
02/14/1996	1092.88	1095.08	1111.32	1110.57	1132.45		NT	1138.65		1145.12
03/18/1996	1090.53	1094.22	1110.47	1110.62	1130.45		NT	1137.37		1144.07
04/17/1996	1090.04	1094.22	1110.28	1105.49	1130.43		NT	1137.75		1144.70
05/22/1996	1090.83	1094.91	1110.76	1111.45	1132.65		NT	1137.95		1145.98
06/17/1996	1091.89	1095.45	1111.20	1111.29	1133.51		NT	1138.61		1147.60
07/19/1996	1090.82	1095.12	1109.72	1111.00	1131.63		NT	1137.77		1147.27
08/21/1996	1090.33	1094.59	1110.79	1108.35	1130.08		NT	1136.82		1145.51

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	MW 15	MW 16	MW 17	PZ 18	PZ 19	PZ 20	PZ 21	PZ 22	PZ 23	PZ 24
TOP PVC. ELEV, FT.	1155.47	1136.75	1119.92	1107.71	1106.77	1107.79	1133.00	1138.65	1140.91	1141.46
DATE										
05/25/1993	1149.87	1129.49	1112.28	1093.85	1104.09	1094.35	1126.30	1131.07	1132.54	1136.76
09/03/1993										
09/20/1993	1149.45	1129.73	1112.86							
10/04/1993	1139.72	1129.45	1111.99	1093.15	1103.81	1093.77	1123.98	1130.22	1131.75	1136.14
12/15/1993	1137.93	1127.95	1110.07	1091.51	1102.33	1092.65	1122.02	1128.23	1130.08	1134.76
01/11/1994	1137.47	1127.05	1108.56	1091.31	1101.95	1092.63	1121.46	1127.85	1129.48	1134.16
04/22/1994	1137.35	1127.71	1111.36	1091.79	1101.53	1092.94	1124.82	1129.77	1129.54	1134.91
07/11/1994	1139.02	1128.55	1111.48	1093.01	1102.87	1093.89	1125.30	1130.65	1131.89	1136.54
08/11/1994	1138.37	1128.15	1109.66	1091.52	1102.22	1093.09	1123.51	1129.25	1130.96	1135.13
09/09/1994	1142.40	NT	NT	1091.20	1101.62	1093.23	1122.75	1128.82	1130.10	1134.46
10/05/1994	1137.01	1127.37	1108.90	1091.31	1101.23	1093.31	1122.42	1128.99	1129.85	1134.22
11/16/1994	1138.40	1126.96	1108.85	1091.33	1102.03	1092.84	1122.28	1128.74	1130.52	1134.96
12/09/1994	1138.38	1129.15	1109.33	1091.48	1102.10	1092.88	1122.12	1128.99	1130.52	1135.15
01/24/1995	1137.81	1126.04	1107.94	1091.24	1101.78	1092.75	1121.56	1128.27	1129.85	1134.42
02/24/1995	1137.25	1124.68	1106.14	1092.02	1101.55	1093.69	1121.20	1129.48	1129.20	1134.34
03/16/1995	1142.35	1124.90	1106.27	1091.94	1101.63	1093.38	1121.98	1130.00	1129.31	1135.37
04/12/1995	1138.57	1127.24	1111.12	1093.26	1102.39	1094.19	1125.74	1130.85	1130.96	1136.41
05/23/1995	1139.66	1128.36	1111.50	1093.53	1103.19	1094.48	1125.92	1130.75	1132.22	1136.93
06/13/1995	1139.75	1128.42	1111.63	1093.79	1103.69	1094.67	1125.94	1130.74	1132.26	1137.15
07/25/1995	1148.15	1127.51	1109.74	1091.91	1102.20	1093.22	1123.81	1129.97	1131.29	1136.21
08/24/1995	1146.48	1129.02	1108.60	1091.23	1101.75	1091.70	1121.93	1128.60	1134.21	1130.68
09/27/1995	1145.20	1128.77	1107.30	1090.76	1100.55	1092.36	1119.59	1127.56	1132.83	1129.11
10/04/1995	1144.72	1124.79	1107.77	1090.71	1100.50	1092.29	1119.40	1127.45	1132.73	1128.81
11/24/1995	1136.51	1123.13	1105.68	1090.64	1099.92	1092.29	1119.06	1127.62	1133.35	1128.74
12/22/1995	1137.32	1121.63	1102.84	1090.88	1100.05	1092.52	1120.25	1127.61	1132.52	1128.79
02/14/1996	1135.86	1118.25	1097.42	1093.21	1100.61	1095.84	1120.75	1131.25	1131.63	1127.97
03/18/1996	1135.89	1117.57	1098.47	1091.13	1101.29	1092.84	1120.20	1129.82	1131.70	1128.21
04/17/1996	1136.30	1120.91	1102.71	1091.01	1100.65	1092.84	1123.53	1129.82	1133.26	1129.28
05/22/1996	1137.07	1124.05	1107.81	1091.56	1101.18	1093.48	1125.61	1130.64	1134.76	1130.71
06/17/1996	1138.54	1124.88	1107.74	1092.68	1102.52	1094.77	1125.13	1131.06	1137.26	1131.86
07/19/1996	1138.54	1122.76	1102.32	1091.46	1102.39	1093.22	1122.65	1129.63	1136.24	1131.57
08/21/1996	1137.30	1122.65	NT	1091.01	1101.42	1092.82	1121.15	1128.08	1134.70	1130.64

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	PZ 25	PZ 28	MW 29	MW 30	MW 31A	MW 32A	MW 33	MW 34	MW 35	MW 36
TOP PVC. ELEV, FT.	1139.57	1106.72	1136.78	1120.86	1162.14	1162.63	1115.86	1116.04	1124.27	1151.02
			1136.66(1)						MW-35R	
DATE									1123.59	
05/25/1993	1134.71	1093.70	1132.28	1114.30						
09/03/1993										
09/20/1993	1135.69		1133.90	1114.74	1147.68	1133.81	1105.18	1103.08	1119.69	
10/04/1993	1134.51	1098.42	1132.00	1113.21	1147.18	1133.57	1100.66	1101.14	1118.91	
12/15/1993	1133.61	1092.16	1131.18	1111.81	1145.16	1131.73	1103.36	1100.72	1118.59	
01/11/1994	1132.99	1091.99	1130.38	1111.01	1144.66	1131.37	1099.98	1100.04	1118.37	
04/22/1994	1133.95	1092.30	1132.22	1113.78	1144.14	1130.68	1102.44	1102.20	1117.61	
07/11/1994	1134.35	1093.24	1132.14	1113.36	1145.46	1132.27	1102.16	1102.44	1116.93	
08/11/1994	1134.27	1092.50	1130.93	1110.91	1145.24	1131.87	1099.98	1100.51	1115.85	
09/09/1994	1132.62	1092.69	1130.57	1110.47	1144.70	1131.03	1099.46	1099.95	1115.88	
10/05/1994	1132.51	1092.68	1130.08	1110.22	1144.04	1130.37	1098.94	1099.44	1115.63	
11/16/1994	1132.62	1092.19	1129.66	1110.91	1144.03	1130.80	1100.74	1100.63	1115.21	
12/09/1994	1132.77	1092.23	1129.18	1111.25	1143.94	1130.85	1100.72	1100.64	1115.27	
01/24/1995	1132.36	1092.11	1129.20	1110.28	1143.83	1130.66	1100.29	1100.76	1114.86	
02/24/1995	1133.65	1093.04	1128.70	1109.76	1143.73	1130.17	1100.62	1101.54	1114.30	
03/16/1995	1133.47	1092.71	1130.21	1109.80	1144.33	1130.32	1104.85	1102.75	1114.35	
04/12/1995	1135.05	1093.57	1133.28	1114.41	1144.74	1131.28	1105.96	1103.54	1117.32	
05/23/1995	1134.07	1092.76	1130.98	1113.95	1146.51	1133.09	1102.27	1102.72	1117.09	
06/13/1995	1134.55	1093.96	1131.20	1113.83	1146.66	1133.29	1102.71	1103.00	1117.39	
07/25/1995	1133.36	1092.57	1130.28	NT	1132.24	1146.60	1100.44	1102.79	1117.02	
08/24/1995	1132.25	1092.05	1126.53	NT	1131.11	1145.82	1099.62	1099.80	1116.27	
09/27/1995	1131.75	1091.69	1124.90	NT	1130.02	1145.05	1098.60	1099.17	1117.02	
10/04/1995	1131.73	1091.65	1128.93	NT	1129.84	1144.93	1096.51	1098.99	1116.97	
11/24/1995	1132.17	1091.58	1129.08	NT	1143.74	1129.60	1100.18	1099.52	1115.85	
12/22/1995	1132.15	1091.82	1128.18	NT	1142.52	1129.41	1099.97	1099.62	1115.42	
02/14/1996	1132.14	1095.16	1124.03	NT	NT	NT	1104.40	1102.16	1114.04	
03/18/1996	1132.26	1092.15	1123.53	NT	NT	NT	1103.51	1101.85	1113.95	
04/17/1996	1133.03	1092.16	1129.77	NT	NT	NT	1101.15	1100.99	1114.67	
05/22/1996	1133.53	1093.63	1130.83	NT	NT	NT	1102.05	1101.65	1115.72	
06/17/1996	1134.35	1094.21	1130.31	NT	1144.67	1126.92	1101.92	1101.61	1115.65	
07/19/1996	1133.84	1092.60	1129.50	NT	1146.00	1127.25	1101.30	1101.00	1114.04	
08/21/1996	1132.90	1092.17	1129.19	NT	1145.38	1126.04	1100.10	1100.01	1114.44	

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	EW-1	LW 91-1	LW 91-2	LW 91-3	LW 91-4	LW 91-5	LW 91-6	LW 93-7	LW 93-8	LW 93-9
TOP PVC. ELEV, FT.	1151.03	1160.71 1170.52	1150.84	1160.15	1148.44	1143.36	1144.11 1163.93	1160.63 1170.54	1151.05 1160.10	1150.64
DATE						1162.00				
05/25/1993		1153.51	1144.44	1142.80	1132.44	1132.66	1134.41			
09/03/1993		1153.81	1144.59	1143.70	1135.09	1134.16	1135.96	1146.88	1139.25	1143.24
09/20/1993		1153.81	1143.84	1143.75	1135.14	1137.56	1136.71	1146.63	1142.35	1143.64
10/04/1993		1153.51	1142.24	1143.95	1136.44	1132.76	1136.31	1146.33	1142.15	1143.34
12/15/1993		1153.11	1140.44	1144.15	1136.34	1132.16	1136.41	1145.93	1141.75	1143.24
01/11/1994		1152.81	1140.04	1143.95	1136.24	1132.26	1135.41	1145.83	1141.55	1142.64
04/22/1994		1152.51	1142.04	1143.65	1134.64	1132.36	1135.31	1145.83	1141.25	1141.84
07/11/1994		1152.91	1142.74	1143.45	1135.94	1133.96	1134.81	1145.33	1141.45	1141.94
08/11/1994		1152.91	1141.21	1143.64	1136.16	1133.23	1134.42	1145.33	1141.38	1142.25
09/09/1994		1152.76	1140.28	1143.64	1136.02	1133.11	1134.41	1145.43	1141.43	1142.14
10/05/1994		1152.51	1139.84	1143.15	1135.54	1132.36	1134.11	1145.33	1141.15	1141.64
11/16/1994		1152.55	1139.72	1143.46	1136.30	1132.80	1134.40	1145.43	1141.18	1141.73
12/09/1994		1152.54	1139.66	1143.46	1136.36	1132.77	1134.40	1145.43	1141.06	1141.65
01/24/1995		1152.57	1139.64	1143.34	1136.43	1134.15	1134.58	1145.62	1140.85	1141.42
02/24/1995		1152.42	1141.26	1143.25	NT	1132.76	1134.54	NT	1140.81	1141.21
03/16/1995		1152.39	1141.49	1143.20	NT	1132.74	1134.53	NT	1140.62	NT
04/12/1995		1152.61	1143.54	1143.15	NT	1135.36	1134.61	1145.93	1140.85	1141.64
05/23/1995		1153.04	1143.99	1143.30	NT	1135.77	1137.20	1145.94	1141.17	1142.54
06/13/1995		1153.04	1143.73	1143.43	NT	1136.05	1136.83	1145.92	1141.19	1142.92
07/25/1995		1152.92	1141.24	1143.75	1142.38	1135.72	1135.41	1147.93	1141.30	1143.15
08/24/1995		1152.78	1141.31	1143.84	1141.42	1135.25	1134.56	1145.95	1141.26	1142.97
09/27/1995		1152.66	1140.38	1144.15	1140.91	1134.71	1134.54	1145.95	1141.18	1143.64
10/04/1995		1152.71	1140.24	1143.95	1140.84	1134.66	1134.61	1146.03	1141.05	1142.59
11/24/1995		1152.38	1139.55	1143.80	1136.40	1134.63	1134.53	1145.93	1140.95	1141.99
12/22/1995		1152.22	1139.10	1143.63	1135.72	1134.25	1134.52	1145.98	1140.80	1141.66
02/14/1996		1152.01	1141.69	1143.27	1135.23	1134.66	1134.48	1145.97	1140.56	Frozen
03/18/1996		1151.96	1140.67	1143.19	1135.16	1134.89	1131.58	1144.40	1140.37	Frozen
04/17/1996		1161.92	1140.66	1143.21	1134.73	1135.22	1151.40	1151.90	1150.16	1140.93
05/22/1996		1161.90	1141.51	1142.92	1134.29	1135.27	1144.70	1152.82	1140.87	1140.99
06/17/1996		1162.33	1142.54	1142.94	1136.31	1135.33	1144.18	1152.80	1141.16	1141.30
07/19/1996		1162.47	1141.76	1142.95	1136.92	1135.33	1144.23	1152.80	1141.23	1142.13
08/21/1996		1162.33	1140.74	1143.17	1136.84	1143.36	1144.19	NT	NT	1142.61

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	LW 93-10	LW 93-11	LW 93-12	LPZ-101	LPZ-102	LPZ-201	LPZ-202	GPZ-203	LPZ-301	GPZ-302
TOP PVC. ELEV, FT.	1139.23	1133.96	1131.69				56.70	12.00	8.40	12.30
		1133.93	1141.75	7.20	8.50					
DATE										
05/25/1993										
09/03/1993	1125.23	1123.26	1116.39							
09/20/1993	1128.73	1123.36	1116.39							
10/04/1993	1127.93	1123.16	1116.19							
12/15/1993	1128.83	1122.66	1116.29							
01/11/1994	1128.73	1122.06	1116.19							
04/22/1994	1128.23	1122.86	1116.69							
07/11/1994	1128.93	1122.86	1116.29							
08/11/1994	1128.41	1122.96	1115.59							
09/09/1994	1127.03	1122.92	1116.38							
10/05/1994	1125.93	1122.46	1116.29							
11/16/1994	1125.78	1122.44	1116.44							
12/09/1994	1125.64	1122.26	1116.60							
01/24/1995	1125.54	1122.05	1116.29							
02/24/1995	1125.65	1121.89	1116.31							
03/16/1995	1126.71	1121.87	1116.36							
04/12/1995	1127.33	1123.56	1116.69							
05/23/1995	1128.02	1123.68	1116.69							
06/13/1995	1128.92	1123.96	1117.02							
07/25/1995	1129.54	1123.94	1116.59							
08/24/1995	1129.38	1123.76	1116.60							
09/27/1995	1129.04	1124.74	1116.69							
10/04/1995	1128.23	1123.46	1116.69							
11/24/1995	1125.54	1122.63	1116.67							
12/22/1995	1125.02	1122.21	Frozen							
02/14/1996	Frozen	1122.16	Frozen							
03/18/1996	Frozen	1121.93	Frozen							
04/17/1996	1126.00	1121.87	1126.54							
05/22/1996	1125.83	1122.07	1126.42							
06/17/1996	1126.49	1122.24	1126.73							
07/19/1996	1125.89	1122.60	1127.07							
08/21/1996	1125.16	1122.60	1127.53							

Table 4A
RURAL IOWA SANITARY LANDFILL
42-SDP-1-72P
MONTHLY WATER ELEVATIONS

	MW 7	MW 8	MW 9	MW 10	MW 11	MW211	PZ 12	MW 13	MW-13R	MW 14
TOP PVC. ELEV, FT.	1109.64	1109.60	1119.77	1119.06	1139.95	1139.26	1161.78	1145.35	1147.71	1155.28
DATE										
10/10/1996	1089.99	1093.90	1108.52	1109.36	1128.60		NT	1137.05		1144.08
01/03/1997	1090.75	1095.23	1110.80	1109.28	1132.93		NT	1139.18		1146.65
02/04/1997	1090.85	1095.30	1110.82	1109.37	1132.95		NT	1139.31		1146.63
03/18/1997	1090.83	1095.28	1110.80	1109.30	1132.74		NT	1139.29		1146.73
04/10/1997	1092.73	1094.52	1110.80	1109.05	1132.59		NT	1139.32		1145.62
05/23/1997	1096.08	1092.80	1110.21	1107.38	1132.26		NT	1136.70		1145.70
06/30/1997	1096.67	1092.56	1110.36	1107.59	1132.62		NT	1138.86		1148.55
07/16/1997	1096.71	1092.54	1110.31	1107.57	1132.29		NT	1135.82		1148.35
08/01/1997	1094.32	1093.57	1111.12	1108.83	1132.39		NT	1139.30		1145.70
09/04/1997	1091.65	1092.01	1111.12	1105.07	1132.10		NT	1138.81		1144.92
10/07/1997	1089.97	1094.20	1109.92	1107.76	1129.15		NT	1136.68		1144.30
11/10/1997	1090.29	1094.07	1109.79	1107.74	1129.03		NT	1136.62		1143.27
12/29/1997	1089.52	1094.21	1109.85	1107.53	1128.96		NT	1136.49		1143.08
01/06/1998	1090.73	1095.23	1110.81	1109.28	1132.84		NT	1139.18		1146.66
02/18/1998	1090.85	1095.29	1110.87	1109.36	1132.94		NT	1139.21		1146.89
03/24/1998	1090.82	1095.31	1110.84	1109.32	1132.72		NT	1139.26		1146.72
04/28/1998	1091.74	1096.10	1110.82	1112.14	1132.90		NT	1139.00		1147.63
05/12/1998	1096.07	1092.77	1110.18	1107.39	1132.33		NT	1136.71		1145.75
06/09/1998	1096.72	1092.50	1110.33	1107.60	1132.63		NT	1138.89		1148.52
07/15/1998	1096.83	1092.59	1110.27	1107.75	1132.34		NT	1135.84		1148.37
08/17/1998	1091.09	1096.16	1109.06	1110.51	1130.54		NT	1137.66		1137.79
09/24/1998	1090.37	1095.18	1108.46	1109.58	1128.97		NT	1137.07		1136.41
10/13/1998	1090.01	1094.27	1108.16	1108.75	1129.21		NT	1136.21		1143.91
11/20/1998	1089.93	1094.19	1108.21	1108.66	1129.26		NT	1136.19		1143.87
12/17/1998	1089.87	1094.11	1108.16	1108.59	1129.25		NT	1136.18		1143.78
01/21/1999	1090.71	1094.09	1108.16	1108.55	1129.26		NT	1136.21		1143.82
02/10/1999	1090.73	1094.08	1118.07	1108.57	1129.24		NT	1136.19		1143.77
03/22/1999	1089.95	1094.19	1108.25	1108.75	1129.14		NT	1136.04		1143.91
04/09/1999	1088.94	1094.10	1108.46	1108.66	1129.30		NT	1135.92		1143.87
05/20/1999	1089.62	1094.09	1108.31	1108.70	1129.16		NT	1135.95		1143.89
06/09/1999	1089.51	1094.18	1108.25	1108.82	1129.43		NT	1136.14		1143.82
07/02/1999	1089.62	1094.27	1108.16	1108.74	1129.32		NT	1136.22		1143.87
08/17/1999	1090.01	1094.24	1108.26	1108.75	1129.34		NT	1136.25		1143.87

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	MW 15	MW 16	MW 17	PZ 18	PZ 19	PZ 20	PZ 21	PZ 22	PZ 23	PZ 24
TOP PVC. ELEV, FT.	1155.47	1136.75	1119.92	1107.71	1106.77	1107.79	1133.00	1138.65	1140.91	1141.46
DATE										
10/10/1996	1135.37	1121.50	1103.67	1090.69	1099.82	1092.44	1119.80	1128.57	1133.46	1129.16
01/03/1997	1138.43	1122.58	1103.88	1091.39	1102.36	1093.11	1124.58	1129.74	1134.77	1131.13
02/04/1997	1137.96	1122.56	1103.92	1091.46	1102.32	1093.12	1124.46	1129.74	1134.67	1131.24
03/18/1997	1137.93	1122.52	1103.81	1091.46	1102.32	1093.10	1124.46	1129.72	1134.63	1131.23
04/10/1997	1137.27	1123.70	1103.37	1091.41	1101.77	1093.16	1124.56	1129.77	1134.60	1131.14
05/23/1997	1138.08	1123.55	1102.24	1090.13	1101.09	1092.80	1124.31	1129.62	1134.07	1130.44
06/30/1997	1139.21	1124.63	1109.68	1093.15	1103.21	1095.21	1124.79	1130.28	1135.74	1132.01
07/16/1997	1138.50	1124.63	1109.61	1092.68	1102.15	1095.23	1124.65	1130.04	1135.92	1132.77
08/01/1997	1136.44	1123.50	1103.69	1091.19	1101.54	1093.17	1124.35	1131.09	1134.37	1131.21
09/04/1997	1136.50	1123.50	1100.27	1092.48	1097.65	1092.17	1124.35	1129.00	1133.29	1130.44
10/07/1997	1140.07	1120.15	1102.97	1090.63	1099.47	1092.54	1116.50	1127.15	1132.31	1127.38
11/10/1997	1140.08	1120.72	1103.60	1090.69	1099.46	1092.41	1116.39	1127.19	1132.24	1127.14
12/29/1997	1139.96	1120.52	1103.57	1090.65	1099.58	1091.47	1116.52	1127.04	1131.99	1126.81
01/06/1998	1138.41	1122.58	1103.88	1091.37	1102.33	1093.09	1124.56	1129.67	1134.80	1131.17
02/18/1998	1137.92	1122.55	1103.91	1091.45	1102.26	1093.17	1124.48	1129.75	1134.60	1131.20
03/24/1998	1137.94	1122.51	1103.91	1091.42	1102.22	1093.09	1124.39	1129.66	1134.60	1131.17
04/28/1998	1138.49	1125.15	1108.04	1092.61	1102.87	1094.04	1125.65	1131.25	1136.41	1132.48
05/12/1998	1138.17	1123.52	1102.25	1090.20	1101.10	1092.89	1124.39	1129.55	1134.08	1130.34
06/09/1998	1139.28	1124.59	1109.66	1093.19	1103.36	1095.30	1124.70	1130.34	1135.73	1132.04
07/15/1998	1138.56	1124.64	1109.60	1092.65	1102.24	1095.28	1124.66	1130.00	1135.90	1132.76
08/17/1998	1146.73	1123.13	1102.88	1101.68	1102.35	1093.48	1122.19	1129.26	1130.61	1135.15
09/24/1998	1145.59	1120.64	1097.41	1091.00	1100.64	1092.73	1118.94	1127.75	1128.67	1133.60
10/13/1998	1133.79	1119.71	1096.96	1090.57	1102.87	1092.08	1117.71	1127.56	1127.20	1132.27
11/20/1998	1133.77	1119.69	1096.93	1090.61	1103.76	1092.03	1117.69	1127.52	1127.13	1132.23
12/17/1998	1133.74	1119.61	1096.99	1090.55	1103.63	1091.98	1117.60	1127.50	1127.19	1132.15
01/21/1999	1133.77	1119.64	1097.08	1090.65	1103.53	1092.80	1117.69	1127.51	1127.27	1132.06
02/10/1999	1133.71	1119.59	1097.06	1090.55	1103.46	1092.98	1117.64	1127.46	1127.22	1132.00
03/22/1999	1133.47	1119.64	1097.02	1090.61	1103.71	1092.69	1117.77	1126.75	1127.92	1132.30
04/09/1999	1132.47	1118.74	1096.98	1090.31	1103.76	1092.78	1117.74	1126.68	1127.00	1132.35
05/20/1999	1133.44	1118.75	1096.99	1089.81	1103.65	1092.76	1117.69	1126.74	1128.28	1132.45
06/09/1999	1133.84	1119.62	1097.02	1090.45	1103.57	1092.27	1117.58	1126.75	1127.39	1132.23
07/02/1999	1133.93	1119.68	1097.28	1090.50	1103.46	1092.48	1117.48	1127.28	1127.51	1132.34
08/17/1999	1133.85	1119.65	1097.31	1090.55	1102.86	1092.18	1117.58	1126.83	1127.29	1132.25

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	PZ 25	PZ 28	MW 29	MW 30	MW 31A	MW 32A	MW 33	MW 34	MW 35	MW 36
TOP PVC. ELEV, FT.	1139.57	1106.72	1136.78	1120.86	1162.14	1162.63	1115.86	1116.04	1124.27	1151.02
			1136.66(1)						MW-35R	
DATE									1123.59	
10/10/1996	1132.22	1091.77	1128.96	NT	1143.99	1124.53	1099.18	1099.19	1114.60	
01/03/1997	1132.75	1092.51	1128.10	1107.56	1145.41	1126.97	1100.33	1100.76	1115.02	1127.68
02/04/1997	1132.75	1093.37	1128.08	1103.70	1145.64	1126.99	1100.30	1100.80	1115.03	1127.64
03/18/1997	1132.72	1093.34	1128.04	1103.65	1142.62	1126.99	1100.25	1100.79	1115.01	1126.91
04/10/1997	1132.99	1093.10	1128.69	1103.50	1142.53	1126.42	1100.23	1100.74	1114.96	1127.03
05/23/1997	1132.68	1093.73	1128.16	1103.23	1142.13	1126.28	1101.24	1100.13	1117.29	1127.17
06/30/1997	1133.92	1094.36	1128.58	1108.20	1147.78	1127.55	1101.38	1101.95	1115.46	1128.67
07/16/1997	1134.25	1094.35	1128.15	1108.83	1147.86	1128.54	1101.51	1101.98	1115.26	1128.01
08/01/1997	1132.98	1093.70	1128.13	1104.32	1142.61	1125.63	1100.63	1100.42	1114.84	1127.48
09/04/1997	1132.63	1093.47	1126.56	1104.51	1141.59	1126.11	1098.54	1099.72	1114.02	1126.37
10/07/1997	1131.47	1091.82	1122.13	1102.51	1144.29	1124.43	1098.41	1098.64	1114.42	NT
11/10/1997	1131.41	1091.89	1122.13	1102.44	1144.19	1124.62	1098.33	1098.52	1114.52	1127.05
12/29/1997	1131.43	1092.36	1118.20	1102.28	1144.31	1127.54	1098.60	1098.52	1114.27	1126.91
01/06/1998	1132.80	1092.51	1128.09	1107.77	1145.38	1127.01	1100.34	1100.80	1115.01	1127.68
02/18/1998	1132.76	1093.36	1128.07	1103.72	1145.64	1128.02	1100.30	1100.78	1115.01	1128.03
03/24/1998	1132.64	1093.51	1127.99	1103.62	1142.53	1127.12	1100.23	1100.75	1114.99	1126.92
04/28/1998	1133.52	1093.37	1129.93	1111.39	1145.04	1127.18	1101.86	1102.04	1116.07	NT
05/12/1998	1132.74	1093.73	1128.17	1103.21	1142.03	1126.26	1101.22	1100.14	1117.37	1127.22
06/09/1998	1133.98	1094.32	1128.57	1108.27	1147.83	1127.53	1101.40	1101.94	1115.44	1128.72
07/15/1998	1134.17	1094.41	1128.12	1108.82	1147.91	1128.53	1101.44	1101.88	1115.17	1128.00
08/17/1998	1133.82	1092.79	1128.12	1104.13	1145.96	1126.46	1099.91	1100.56	1114.25	1126.60
09/24/1998	1132.57	1092.05	1127.64	1101.38	1144.50	1124.74	1098.56	1099.35	1113.59	1124.20
10/13/1998	1131.94	1091.42	1120.48	1101.35	1141.45	1124.23	1098.35	1098.53	1114.75	1123.38
11/20/1998	1131.97	1091.39	1120.37	1101.31	1141.44	1125.07	1098.35	1098.51	1114.77	1133.46
12/17/1998	1131.90	1091.32	1120.27	1101.27	1141.38	1125.64	1098.33	1098.48	1114.74	1133.01
01/21/1999	1131.84	1091.26	1120.29	1101.26	1141.43	1125.82	1098.44	1098.53	1114.84	1132.96
02/10/1999	1131.88	1091.21	1120.27	1101.20	1141.38	1126.23	1098.40	1098.51	1114.77	1132.85
03/22/1999	1132.01	1091.43	1120.57	1101.44	1141.05	1125.63	1098.47	1098.64	1114.81	1132.90
04/09/1999	1131.97	1090.71	1120.62	1101.10	1141.04	1126.64	1098.54	1098.58	1118.84	1132.86
05/20/1999	1132.07	1091.51	1120.75	1101.05	1141.00	1125.73	1098.46	1098.65	1114.75	1132.92
06/09/1999	1132.06	1091.40	1120.49	1101.47	1141.21	1123.64	1098.40	1098.72	1114.91	1123.40
07/02/1999	1132.17	1091.71	1120.47	1101.84	1141.12	1123.62	1098.47	1098.52	1115.06	1123.63
08/17/1999	1131.88	1091.40	1120.47	1101.27	1141.53	1124.01	1098.55	1098.58	1114.75	1124.09

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	EW-1	LW 91-1	LW 91-2	LW 91-3	LW 91-4	LW 91-5	LW 91-6	LW 93-7	LW 93-8	LW 93-9
TOP PVC. ELEV, FT.	1151.03	1160.71 1170.52	1150.84	1160.15	1148.44	1143.36	1144.11 1163.93	1160.63 1170.54	1151.05 1160.10	1150.64
DATE						1162.00				
10/10/1996		NT	NT	NT	NT	NT	NT	NT	NT	NT
01/03/1997	1133.38	1153.36	1142.99	1143.48	1136.80	1135.33	1137.06	1145.77	1141.19	Frozen
02/04/1997	1133.49	1162.71	1142.98	1143.40	1136.79	1135.30	1137.94	1145.77	1141.28	Frozen
03/18/1997	1133.45	1162.67	1143.00	1143.37	1136.44	1135.24	1137.92	1145.80	1141.09	Frozen
04/10/1997	1133.41	1163.18	1142.82	1143.50	1135.38	1134.91	1139.87	1147.89	1142.04	1143.55
05/23/1997	1131.35	1162.94	1141.80	1143.92	1135.55	1135.27	1143.57	1146.56	1140.58	1142.02
06/30/1997	1131.67	1153.19	1142.79	1143.79	1136.91	1133.00	1136.72	1146.32	1141.75	1144.46
07/16/1997	1141.40	1152.46	1142.75	1143.92	1136.86	1132.13	1136.94	1146.18	1141.74	1144.44
08/01/1997	1134.80	1162.94	1142.84	1143.92	1135.19	1134.67	1141.62	1148.23	1141.09	1142.99
09/04/1997	1132.48	1162.49	1141.85	1143.59	1134.19	1134.30	1140.28	1147.60	1139.45	1141.28
10/07/1997	NT	1153.48	1140.75	1144.15	1136.44	NT	1136.89	1145.52	1141.90	1144.59
11/10/1997	1132.64	1153.40	1140.81	1144.09	1136.35	1133.33	1137.84	1145.41	1142.08	1144.55
12/29/1997	1131.93	1153.20	1139.82	1145.17	1136.41	1133.10	1138.57	1145.29	1141.79	1144.43
01/06/1998	1133.39	1152.97	1142.92	1143.50	1136.78	1135.30	1137.02	1145.84	1141.17	NT
02/18/1998	1133.42	1162.64	1143.00	1143.40	1136.82	1135.32	1138.03	1145.82	1141.34	NT
03/24/1998	1134.03	1162.62	1143.18	1143.32	1136.43	1135.15	1136.92	1145.64	1140.99	NT
04/28/1998	NT	1152.92	1144.04	1143.25	NT	NT	1136.53	1145.94	1141.60	1145.04
05/12/1998	1131.35	1163.01	1141.71	1143.94	1135.64	1135.33	1143.62	1146.63	1140.60	1142.04
06/09/1998	1131.71	1153.16	1142.75	1143.83	1136.94	1133.03	1137.02	1146.24	1141.75	1144.45
07/15/1998	1141.40	1152.39	1142.74	1144.02	1136.85	1132.13	1137.03	1146.23	1141.79	1144.45
08/17/1998	1139.76	1152.84	1141.73	1144.57	1135.16	1134.75	1136.98	1149.06	1142.13	1143.97
09/24/1998	1138.90	1149.86	1140.53	1144.65	1135.16	1134.75	1137.03	1149.07	1134.14	1143.45
10/13/1998	1135.02	1150.61	1139.38	1143.05	Removed	1134.70	1132.63	1148.03	1126.11	1141.47
11/20/1998	1134.97	1150.71	1139.42	1142.25	Removed	1112.10	1141.47	1136.58	1150.96	1136.38
12/17/1998	1134.86	1150.66	1139.34	1142.14	Removed	1134.66	1132.54	1148.01	1126.19	1141.45
01/21/1999	1134.82	1150.68	1139.31	1142.12	Removed	1134.60	1132.50	1148.08	1126.46	1141.33
02/10/1999	1134.77	1150.71	1139.28	1141.74	Removed	1134.67	1132.32	1148.04	1126.10	1141.21
03/22/1999	1134.83	1150.72	1139.33	1143.05	Removed	1134.35	1132.94	1148.93	1126.11	1141.48
04/09/1999	1135.04	1150.83	1138.82	1143.84	Removed	1134.04	1132.93	1148.53	1126.38	1141.55
05/20/1999	1135.02	1150.80	1139.30	1143.02	Removed	1134.15	1133.26	1149.03	1126.29	1141.44
06/09/1999	1135.52	1150.80	1139.33	1142.96	Removed	NR	1131.74	1149.02	1151.04	1141.62
07/02/1999	1135.41	1151.20	1139.21	1143.23	Removed	NR	1131.96	1148.98	1151.00	1140.61
08/17/1999	1136.11	1150.80	1139.42	1143.02	Removed	NR	1132.67	1149.18	1126.58	1141.58

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	LW 93-10	LW 93-11	LW 93-12	LPZ-101	LPZ-102	LPZ-201	LPZ-202	GPZ-203	LPZ-301	GPZ-302
TOP PVC. ELEV, FT.	1139.23	1133.96 1133.93	1131.69 1141.75	7.20	8.50		56.70	12.00	8.40	12.30
DATE										
10/10/1996	NT	NT	NT							
01/03/1997	Frozen	1121.65	1117.83							
02/04/1997	Frozen	1121.57	1117.89							
03/18/1997	Frozen	1121.45	1117.88							
04/10/1997	1125.18	1120.91	1117.69							
05/23/1997	1123.94	1121.93	1116.75							
06/30/1997	1125.99	1121.85	1117.85							
07/16/1997	1125.99	1121.41	1118.16							
08/01/1997	1125.18	1121.87	1117.66							
09/04/1997	1122.91	1120.42	1116.43							
10/07/1997	1124.23	1122.93	NT							
11/10/1997	1124.21	1122.90	1118.30							
12/29/1997	1123.61	1122.88	1117.72							
01/06/1998	NT	1121.63	1117.85							
02/18/1998	NT	1121.56	1117.85							
03/24/1998	NT	1121.35	1117.87							
04/28/1998	1127.13	1123.96	NT							
05/12/1998	1124.02	1121.83	1116.64							
06/09/1998	1126.01	1121.86	1117.86							
07/15/1998	1126.03	1121.46	1118.24							
08/17/1998	1125.73	1124.40	1117.65							
09/24/1998	1124.94	1120.97	1116.39							
10/13/1998	1125.01	Removed	1120.66							
11/20/1998	1125.01	Removed	1120.65							
12/17/1998	1124.92	Removed	1120.68							
01/21/1999	1124.80	Removed	1120.61							
02/10/1999	1124.62	Removed	1120.59							
03/22/1999	1125.03	Removed	1120.56							
04/09/1999	1124.30	Removed	1120.49							
05/20/1999	1124.22	Removed	1120.55							
06/09/1999	1124.04	Removed	1120.66							
07/02/1999	1124.21	Removed	1120.58							
08/17/1999	1124.92	Removed	1118.85							

Table 4A
RURAL IOWA SANITARY LANDFILL
42-SDP-1-72P
MONTHLY WATER ELEVATIONS

	MW 7	MW 8	MW 9	MW 10	MW 11	MW211	PZ 12	MW 13	MW-13R	MW 14
TOP PVC. ELEV, FT.	1109.64	1109.60	1119.77	1119.06	1139.95	1139.26	1161.78	1145.35	1147.71	1155.28
DATE										
09/09/1999	1089.90	1094.38	1108.24	1108.83	1129.19		NT	1136.23		1143.88
10/14/1999	1090.44	1094.30	1108.22	1108.81	1129.15		NT	1136.20		1143.88
04/24/2000	1089.89	1093.20	1107.72	1108.06	Removed		NT	1136.55		1141.88
10/12/2000	1090.33	1094.09	1107.82	1108.43	Removed	1126.17	NT	1137.36		1142.24
11/28/2001	1090.22	1093.59	1110.12	1109.97	Removed	1126.76	NT	1137.44		1142.18
12/15/2000	1090.12	1093.45	1100.70	1111.06	Removed	1126.90	NT	1138.32		1143.86
01/03/2001	1090.13	1093.46	1101.76	1111.00	Removed	1126.85	NT	1138.03		1144.13
02/20/2001	1090.08	1092.69	1103.21	1110.93	Removed	1126.85	NT	1138.34		1145.27
03/09/2001	1090.03	1092.87	1106.76	1111.60	Removed	NT	NT	1138.29		1145.32
04/19/2001	1092.54	1096.00	1111.42	1111.96	Removed	1129.06	NT	1138.70		1145.58
05/09/2001	1090.43	1093.39	1107.76	1111.75	Removed	1127.25	NT	1138.46		1145.66
06/08/2001	1090.32	1093.42	1107.65	1110.97	Removed	1127.17	NT	1138.36		1145.72
07/19/2001	1090.54	1093.59	1107.76	1110.70	Removed	1126.45	NT	1138.43		1145.87
08/12/2001	1090.58	1093.54	1107.85	1110.06	Removed	1127.23	NT	1138.32		1146.22
09/04/2001	1090.63	1094.42	1108.46	1109.56	Removed	1127.00	NT	1137.97		1145.97
10/15/2001	1090.59	1094.55	1108.56	1109.66	Removed	1126.86	NT	1138.00		1145.63
11/02/2001	1090.39	1094.51	1108.58	1109.60	Removed	1126.85	NT	1138.00		1145.63
12/04/2001	1090.70	1094.74	1108.23	1109.48	Removed	1126.59	NT	1137.64		1145.64
01/04/2002	1090.55	1094.66	1108.07	1108.32	Removed	1126.39	NT	1142.47		1145.47
02/23/2002	1090.42	1094.55	1107.96	1109.20	Removed	1126.33	NT	1137.22		1145.20
03/11/2002	1090.58	1093.54	1107.85	1110.06	Removed	1127.23	NT	1138.32		1146.22
04/04/2002	1090.64	1094.65	1108.82	1109.66	Removed	1126.36	NT	1137.10		1144.88
05/23/2002	1090.82	1095.78	1109.95	1111.02	Removed	1127.35	NT	1137.85		1146.90
06/05/2002	1089.89	1093.20	1107.72	1111.96	Removed	1127.15	NT	1138.70		1145.58
07/05/2002	1091.46	1095.35	1111.22	1110.56	Removed	1126.94	NT	1137.20		1146.25
08/05/2002	1091.48	1095.12	1108.73	1109.59	Removed	1126.95	NT	1136.67		1145.37
09/05/2002	1090.97	1094.34	1108.34	1109.05	Removed	1127.28	NT	1137.12		1144.18
10/17/2002	1090.74	1094.20	1108.17	1108.86	Removed	1126.41	NT	1137.10		1144.03
11/19/2002	1090.59	1094.55	1108.56	1109.66	Removed	1126.86	NT	1138.00		1145.63
12/16/2002	1090.77	1094.68	1108.74	1109.93	Removed	1127.28	NT	1138.23		1145.91
01/31/2003	1090.51	1094.45	1108.29	1109.53	Removed	1126.98	NT	1137.72		1145.31
02/25/2003	1090.25	1094.05	1107.98	1109.08	Removed	1126.63	NT	1137.44		1145.19
03/12/2003	1090.16	1093.91	1107.79	1108.99	Removed	1126.54	NT	1137.34		1145.07

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	MW 15	MW 16	MW 17	PZ 18	PZ 19	PZ 20	PZ 21	PZ 22	PZ 23	PZ 24
TOP PVC. ELEV, FT.	1155.47	1136.75	1119.92	1107.71	1106.77	1107.79	1133.00	1138.65	1140.91	1141.46
DATE										
09/09/1999	1133.71	1119.63	1096.91	1090.54	1102.97	1092.23	1117.64	1126.73	1127.27	1132.30
10/14/1999	1133.67	1119.70	1096.92	1090.56	1098.77	1092.19	1117.60	1126.75	1127.21	1132.34
04/24/2000	1132.02	1120.75	1102.17	1090.61	1097.27	1092.34	1117.30	1127.85	1126.66	1132.46
10/12/2000	1135.44	1117.70	1098.27	1091.04	1099.27	1092.95	1118.62	1128.61	1127.93	1134.44
11/28/2001	1135.45	1117.67	1102.36	1091.01	1099.26	1093.08	1118.74	1128.56	1128.03	1134.37
12/15/2000	1136.08	1121.66	1106.31	1091.64	1100.09	1093.28	1120.04	1129.03	1128.82	1134.43
01/03/2001	1136.19	1121.74	1106.50	1092.16	1100.39	1093.78	1122.78	1131.50	1129.02	1134.45
02/20/2001	1136.26	1121.83	1106.92	1092.32	1100.76	1093.88	1123.01	1131.66	1129.31	1134.87
03/09/2001	1136.21	1122.74	1107.38	1093.08	1101.76	1094.15	1125.51	1131.72	1129.99	1136.03
04/19/2001	1136.42	1123.15	1107.52	1088.41	1097.07	1088.74	1096.20	1128.45	1132.56	1134.36
05/09/2001	1136.48	1123.07	1106.67	1092.68	1101.89	1093.98	1126.09	1132.04	1130.42	1136.12
06/08/2001	1136.46	1122.44	1104.91	1092.02	1101.95	1094.07	1125.97	1132.15	1129.92	1135.75
07/19/2001	1136.71	1122.13	1104.56	1091.61	1101.76	1093.78	1125.68	1132.45	1129.90	1135.47
08/12/2001	1136.86	1121.77	1103.80	1091.45	1100.76	1093.49	1124.55	1132.65	1129.60	1135.33
09/04/2001	1137.36	1121.44	1103.06	1091.40	1100.89	1093.11	1123.99	1132.81	1129.87	1135.14
10/15/2001	1137.27	1120.95	1102.72	1091.46	1101.07	1093.19	1122.90	1130.20	1129.91	1135.06
11/02/2001	1137.19	1120.14	1102.81	1091.50	1101.06	1093.27	1122.91	1130.13	1129.77	1134.45
12/04/2001	1140.44	1122.60	1106.71	1089.53	1101.70	1092.94	1126.25	1129.11	1130.06	1134.71
01/04/2002	1142.37	1122.43	1105.53	1091.29	1101.66	1092.87	1122.03	1128.67	1129.77	1134.42
02/23/2002	1137.18	1122.04	1104.66	1091.13	1101.60	1092.72	1121.69	1128.37	1129.50	1134.11
03/11/2002	1136.86	1121.77	1103.80	1091.45	1100.76	1093.49	1124.55	1132.65	1129.60	1135.33
04/04/2002	1136.97	1123.25	1107.32	1091.41	1101.67	1092.89	1123.50	1128.45	1129.71	1134.06
05/23/2002	1138.23	1124.55	1107.85	1092.84	1102.90	1094.27	1125.20	1130.61	1131.43	1136.55
06/05/2002	1136.42	1123.15	1107.52	1093.11	1102.27	1094.79	1126.80	1131.95	1130.61	1136.36
07/05/2002	1137.87	1123.05	1103.51	1092.26	1102.36	1094.14	1121.65	1130.30	1131.19	1136.72
08/05/2002	1136.86	1122.11	1102.57	1092.27	1101.56	1093.98	1120.77	1131.17	1130.54	1135.23
09/05/2002	1134.63	1120.84	1102.70	1091.94	1100.02	1093.75	1122.05	1129.93	1129.52	1134.46
10/17/2002	1134.65	1121.25	1103.72	1091.51	1100.07	1093.19	1121.90	1129.40	1129.51	1134.66
11/19/2002	1137.27	1120.95	1102.72	1091.46	1101.07	1093.19	1122.90	1132.95	1129.91	1135.06
12/16/2002	1138.01	1121.44	1102.91	1091.88	1101.16	1093.47	1123.92	1132.92	1130.24	1135.43
01/31/2003	1137.40	1120.92	1102.53	1091.59	1100.78	1092.91	1123.31	1132.48	1129.80	1134.83
02/25/2003	1137.18	1120.68	1102.03	1091.32	1100.60	1092.76	1123.02	1132.31	1129.42	1134.58
03/12/2003	1137.08	1120.51	1101.96	1091.13	1100.54	1092.62	1122.91	1132.18	1129.29	1134.43

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	PZ 25	PZ 28	MW 29	MW 30	MW 31A	MW 32A	MW 33	MW 34	MW 35	MW 36
TOP PVC. ELEV, FT.	1139.57	1106.72	1136.78	1120.86	1162.14	1162.63	1115.86	1116.04	1124.27	1151.02
			1136.66(1)						MW-35R	
DATE									1123.59	
09/09/1999	1131.88	1091.41	1120.57	1101.35	1141.12	1124.22	1098.40	1098.58	1114.76	1123.39
10/14/1999	1131.92	1091.42	1120.28	1101.36	1141.34	1124.23	1098.46	1098.64	1114.77	1123.36
04/24/2000	1130.87	1091.62	1121.43	1101.31	1142.24	1123.03	1099.26	1098.44	1113.77	NT
10/12/2000	1130.99	1092.23	1116.98	1101.38	1140.88	1123.40	1098.86	1098.68	1112.04	NT
11/28/2001	1130.94	1092.21	1118.07	1101.44	1140.87	1123.32	1098.83	1098.64	1112.06	1123.71
12/15/2000	1129.51	1092.91	1122.39	1102.85	1141.18	1125.33	1099.79	1099.08	1111.36	1123.81
01/03/2001	1129.66	1093.23	1122.17	1102.95	1142.23	1126.14	1101.50	1099.38	1112.58	1122.32
02/20/2001	1130.11	1093.51	1121.92	1103.34	1142.42	1126.61	1100.34	1099.82	1113.27	1123.70
03/09/2001	1131.55	1093.86	1121.78	1103.85	1143.22	1126.71	1100.87	1100.78	1114.75	1123.10
04/19/2001		1100.07	1120.53	1104.56	1142.84	1125.83	1102.26	1102.04	1116.27	NT
05/09/2001	1132.48	1093.91	1120.77	1103.85	1142.58	1125.93	1101.55	1101.68	1115.58	1124.01
06/08/2001	1132.46	1094.27	dry	1103.87	1142.13	1125.94	1101.43	1101.03	1115.51	1124.22
07/19/2001	1132.47	1093.73	dry	1103.55	1141.83	1126.07	1100.96	1100.34	1114.66	1124.29
08/12/2001	1132.44	1093.41	dry	1103.28	1141.43	1125.64	1100.80	1100.03	1114.18	1124.21
09/04/2001	1132.45	1092.80	dry	1102.97	1140.21	1125.47	1100.34	1100.05	1112.96	1124.30
10/15/2001	1132.47	1092.47	dry	1102.86	1139.34	1124.93	1099.76	1099.84	1112.69	NT
11/02/2001	1132.31	1091.71	dry	1102.73	1139.38	1124.98	1099.80	1099.88	1112.72	1124.03
12/04/2001	1132.72	1092.27	dry	1104.92	1137.41	1124.86	1100.07	1100.04	1114.05	1125.83
01/04/2002	1132.06	1092.15	dry	1105.53	1136.30	1124.72	1099.56	1099.90	1113.97	1125.70
02/23/2002	1132.36	1092.01	dry	1105.17	1136.59	1124.54	1099.32	1099.63	1114.00	1125.41
03/11/2002	1132.44	1093.41	dry	1103.28	1141.43	1125.64	1100.80	1100.03	1114.18	1124.21
04/04/2002	1132.52	1092.22	1123.23	1107.96	1137.24	1124.78	1100.71	1100.54	1115.07	NT
05/23/2002	1133.79	1093.48	dry	1111.51	1124.99	1137.64	1100.32	1101.63	1110.30	1128.57
06/05/2002	1132.47	1093.77	dry	1104.56	1142.84	1125.83	1102.26	1102.04	1116.27	NT
07/05/2002	1134.46	1093.52	dry	dry	1136.72	1125.10	1102.61	1100.96	1114.27	1124.10
08/05/2002	1135.02	1093.19	dry	1103.29	1136.46	1124.61	1101.05	1100.24	1113.93	1123.66
09/05/2002	1133.70	1092.89	dry	1101.36	1137.04	1129.46	#VALUE!	1099.91	1114.24	1122.66
10/17/2002	1133.57	1092.42	1117.88	1101.41	1136.84	1123.43	1100.16	1099.29	1114.27	NT
11/19/2002	1132.47	1092.47	dry	1102.86	1139.34	1124.93	1099.76	1099.84	1112.69	NT
12/16/2002	1132.76	1092.54	1122.36	1103.09	1139.83	1125.90	1099.93	1100.07	1113.08	1124.11
01/31/2003	1132.45	1092.22	1121.87	1102.52	1139.13	1124.56	1099.50	1099.83	1112.55	1122.91
02/25/2003	1132.23	1091.86	1121.51	1102.27	1138.75	1123.46	1099.23	1099.46	1112.32	1122.41
03/12/2003	1132.13	1091.75	1121.36	1102.15	1138.56	1122.66	1099.05	1099.35	1112.28	1121.93

Table 4A
RURAL IOWA SANIT
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MONTHLY WATER E

	EW-1	LW 91-1	LW 91-2	LW 91-3	LW 91-4	LW 91-5	LW 91-6	LW 93-7	LW 93-8	LW 93-9
TOP PVC. ELEV, FT.	1151.03	1160.71 1170.52	1150.84	1160.15	1148.44	1143.36	1144.11 1163.93	1160.63 1170.54	1151.05 1160.10	1150.64
DATE						1162.00				
09/09/1999	1135.54	1150.70	1139.44	1143.05	Removed	NR	1132.62	1149.01	1126.26	1140.62
10/14/1999	1135.54	1151.45	1139.79	1143.13	Removed	NR	1132.93	1149.50	1127.02	1141.62
04/24/2000	NR	1150.52	1137.44	1141.95	Removed	1138.64	1133.03	1148.04	1125.80	1140.44
10/12/2000	NR	1150.47	1137.44	1142.30	Removed	1136.43	1131.70	1149.11	1125.76	1140.59
11/28/2001	1136.84	1148.21	1130.21	1141.06	Removed	1136.63	1132.92	Removed	1126.19	1140.54
12/15/2000	1136.82	1148.87	1133.23	1141.11	Removed	1137.53	1133.51	Removed	1126.18	1142.55
01/03/2001	1136.83	1148.99	1133.75	1141.14	Removed	1137.65	1134.02	Removed	1126.86	1142.21
02/20/2001	1136.81	1149.09	1139.75	1140.84	Removed	1137.73	1134.79	Removed	1127.09	1142.04
03/09/2001	1136.84	1149.71	1139.93	1140.96	Removed	1137.79	1135.03	Removed	1126.08	1141.63
04/19/2001	NT	1150.46	1140.24	1141.12	Removed	1137.64	1134.93	Removed	1125.90	1141.24
05/09/2001	1136.92	1150.41	1139.48	1140.83	Removed	1137.54	1133.42	Removed	1125.91	1141.60
06/08/2001	1136.97	1150.51	1138.85	1141.16	Removed	1137.25	1131.94	Removed	1125.28	1141.61
07/19/2001	1136.94	1150.39	1138.21	1141.10	Removed	1136.75	1131.92	Removed	1125.39	1141.59
08/12/2001	1136.92	1150.18	1137.83	Removed	Removed	1136.63	1131.32	Removed	1125.09	1141.54
09/04/2001	1136.95	1150.49	1137.22	Removed	Removed	1136.53	1130.93	Removed	1125.21	1141.58
10/15/2001	NT	1149.62	1137.83	Removed	Removed	1136.04	1130.73	Removed	1125.10	1141.60
11/02/2001	1136.94	1150.43	1137.84	Removed	Removed	1136.58	1130.91	Removed	1125.10	1141.60
12/04/2001	1141.77	1149.90	1137.83	Removed	Removed	1137.75	1130.62	Removed	1125.28	1140.97
01/04/2002	1140.33	1170.52	1150.84	Removed	Removed	1136.59	1130.38	Removed	1125.60	1150.64
02/23/2002	1137.58	1150.14	1137.06	Removed	Removed	1136.33	1130.79	Removed	1125.46	1140.75
03/11/2002	1136.92	1150.18	1137.83	Removed	Removed	1136.63	1131.32	Removed	1125.09	1141.54
04/04/2002	NT	1149.52	1137.14	Removed	Removed	1134.64	1130.33	Removed	1124.90	1140.14
05/23/2002	1145.03	1149.97	1138.05	Removed	Removed	1137.93	1131.97	Removed	1125.65	1140.84
06/05/2002	1136.92	1150.18	1137.83	Removed	Removed	1136.63	1131.32	Removed	1125.09	1141.54
07/05/2002	1141.53	1144.22	1137.48	Removed	Removed	1136.24	1132.54	Removed	1125.52	1141.25
08/05/2002	1142.17	1149.82	1137.42	Removed	Removed	1135.62	1130.63	Removed	1125.37	1141.04
09/05/2002	1138.62	1149.79	1136.92	Removed	Removed	1135.82	1130.48	Removed	1125.19	1139.86
10/17/2002	NT	1150.02	1136.54	Removed	Removed	1136.64	1130.73	Removed	1125.10	1140.14
11/19/2002	NT	1149.62	1137.83	Removed	Removed	1136.04	1130.73	Removed	1125.10	1141.60
12/16/2002	1139.32	1150.78	1138.22	Removed	Removed	1136.59	1131.72	Removed	1124.98	1141.82
01/31/2003	1139.06	1149.58	1137.69	Removed	Removed	1135.95	1131.19	Removed	1124.09	1140.67
02/25/2003	1138.89	1149.30	1137.38	Removed	Removed	1135.64	1130.81	Removed	1123.88	1140.37
03/12/2003	1138.77	1149.11	1137.28	Removed	Removed	1135.52	1130.62	Removed	1123.66	1140.17

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	LW 93-10	LW 93-11	LW 93-12	LPZ-101	LPZ-102	LPZ-201	LPZ-202	GPZ-203	LPZ-301	GPZ-302
TOP PVC. ELEV, FT.	1139.23	1133.96 1133.93	1131.69 1141.75	7.20	8.50		56.70	12.00	8.40	12.30
DATE										
09/09/1999	1125.00	Removed	1120.60							
10/14/1999	1125.20	Removed	1120.73							
04/24/2000	1123.63	Removed	1120.55							
10/12/2000	1123.63	Removed	1120.58							
11/28/2001	1123.77	Removed	1120.66							
12/15/2000	1124.17	Removed	1120.72							
01/03/2001	1124.24	Removed	1120.77							
02/20/2001	1124.92	Removed	1121.01							
03/09/2001	1124.54	Removed	1121.39							
04/19/2001	1123.83	Removed	1120.25							
05/09/2001	1124.11	Removed	1120.66							
06/08/2001	1124.22	Removed	1120.76							
07/19/2001	1124.22	Removed	1120.66							
08/12/2001	1124.41	Removed	1120.72							
09/04/2001	1124.24	Removed	1120.76							
10/15/2001	1124.03	Removed	1120.35							
11/02/2001	1124.21	Removed	1129.71							
12/04/2001	1126.82	Removed	1120.62							
01/04/2002	1123.83	Removed	1120.63							
02/23/2002	1123.82	Removed	1120.60							
03/11/2002	1124.41	Removed	1120.72							
04/04/2002	1123.53	Removed	1120.15							
05/23/2002	1123.82	Removed	1120.68							
06/05/2002	1124.41	Removed	1120.72							
07/05/2002	1123.80	Removed	1120.57							
08/05/2002	1123.81	Removed	1120.73							
09/05/2002	1123.80	Removed	1120.93							
10/17/2002	1123.63	Removed	1120.75							
11/19/2002	1124.03	Removed	1120.35							
12/16/2002	1124.34	Removed	1120.64							
01/31/2003	1123.30	Removed	1118.71							
02/25/2003	1123.12	Removed	1118.42							
03/12/2003	1122.98	Removed	1118.28							

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	GPZ-south	GPZ-west	MW-37	MW-38	MW-39	MW-40	MW-41	MW-42	MW-43	MW-44
TOP PVC. ELEV, FT.			1151.28	1152.97	1153.09	1137.89	1137.77	1149.55	1149.45	1132.08
DATE										
09/09/1999										
10/14/1999										
04/24/2000										
10/12/2000										
11/28/2001										
12/15/2000										
01/03/2001			1131.72	1127.42	1135.70	1120.72	1116.22	1115.39	1128.25	1112.57
02/20/2001			NT	NT	NT	NT	NT	NT	NT	NT
03/09/2001			NT	NT	NT	NT	NT	NT	NT	NT
04/19/2001			NT	NT	NT	NT	NT	NT	NT	NT
05/09/2001			NT	NT	NT	NT	NT	NT	NT	NT
06/08/2001			NT	NT	NT	NT	NT	NT	NT	NT
07/19/2001			NT	NT	NT	NT	NT	NT	NT	NT
08/12/2001			NT	NT	NT	NT	NT	NT	NT	NT
09/04/2001			NT	NT	NT	NT	NT	NT	NT	NT
10/15/2001			NT	NT	NT	NT	NT	NT	NT	NT
11/02/2001			NT	NT	NT	NT	NT	NT	NT	NT
12/04/2001			NT	NT	NT	NT	NT	NT	NT	NT
01/04/2002			NT	NT	NT	NT	NT	NT	NT	NT
02/23/2002			NT	NT	NT	NT	NT	NT	NT	NT
03/11/2002			NT	NT	NT	NT	NT	NT	NT	NT
04/04/2002			NT	NT	NT	NT	NT	NT	NT	NT
05/23/2002			NT	NT	NT	NT	NT	NT	NT	NT
06/05/2002			NT	NT	NT	NT	NT	NT	NT	NT
07/05/2002			NT	NT	NT	NT	NT	NT	NT	NT
08/05/2002			NT	NT	NT	NT	NT	NT	NT	NT
09/05/2002			NT	NT	NT	NT	NT	NT	NT	NT
10/17/2002			NT	NT	NT	NT	NT	NT	NT	NT
11/19/2002			NT	NT	NT	NT	NT	NT	NT	NT
12/16/2002			NT	NT	NT	NT	NT	NT	NT	NT
01/31/2003			NT	NT	NT	NT	NT	NT	NT	NT
02/25/2003			NT	NT	NT	NT	NT	NT	NT	NT
03/12/2003			NT	NT	NT	NT	NT	NT	NT	NT

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	MW-45	MW-46	MW-47	MW-48A	MW-49A	MW-50	MW-51	MW-7A	MW-7B	MW-7C
TOP PVC. ELEV, FT.	1132.11	1099.87	1099.82	1099.61	1120.02	0.00	0.00	1105.29	1105.23	1109.79
				1101.03	1132.50	1100.39	1116.53			
DATE										
09/09/1999										
10/14/1999										
04/24/2000										
10/12/2000										
11/28/2001										
12/15/2000										
01/03/2001	1116.70	1086.51	1087.86	1089.03	1113.14					
02/20/2001	NT	NT	NT	NT	NT					
03/09/2001	NT	NT	NT	NT	NT					
04/19/2001	NT	NT	NT	NT	NT					
05/09/2001	NT	NT	NT	NT	NT					
06/08/2001	NT	NT	NT	NT	NT					
07/19/2001	NT	NT	NT	NT	NT					
08/12/2001	NT	NT	NT	NT	NT					
09/04/2001	NT	NT	NT	NT	NT					
10/15/2001	NT	NT	NT	NT	NT					
11/02/2001	NT	NT	NT	NT	NT					
12/04/2001	NT	NT	NT	NT	NT					
01/04/2002	NT	NT	NT	NT	NT					
02/23/2002	NT	NT	NT	NT	NT					
03/11/2002	NT	NT	NT	NT	NT					
04/04/2002	NT	NT	NT	NT	NT					
05/23/2002	NT	NT	NT	NT	NT					
06/05/2002	NT	NT	NT	NT	NT					
07/05/2002	NT	NT	NT	NT	NT					
08/05/2002	NT	NT	NT	NT	NT					
09/05/2002	NT	NT	NT	NT	NT					
10/17/2002	NT	NT	NT	NT	NT					
11/19/2002	NT	NT	NT	NT	NT					
12/16/2002	NT	NT	NT	NT	NT					
01/31/2003	NT	NT	NT	NT	NT					
02/25/2003	NT	NT	NT	NT	NT					
03/12/2003	NT	NT	NT	NT	NT					

Table 4A
RURAL IOWA SANITARY LANDFILL
42-SDP-1-72P
MONTHLY WATER ELEVATIONS

	MW 7	MW 8	MW 9	MW 10	MW 11	MW211	PZ 12	MW 13	MW-13R	MW 14
TOP PVC. ELEV, FT.	1109.64	1109.60	1119.77	1119.06	1139.95	1139.26	1161.78	1145.35	1147.71	1155.28
DATE										
04/14/2003	1090.74	1093.80	1108.37	1107.86	Removed	1126.26	NT	1137.35		1143.18
05/28/2003	1091.41	1094.47	1108.68	1108.08	Removed	1127.69	NT	1137.63		1143.39
06/04/2003	1091.56	1094.57	1108.85	1108.33	Removed	1128.14	NT	1137.84		1143.66
07/14/2003	1092.54	1095.55	1110.87	1111.16	Removed	1127.16	NT	1138.20		1147.98
08/12/2003	1091.33	1094.64	1109.95	1109.69	Removed	1126.75	NT	1137.32		1146.17
09/16/2003	1090.17	1094.02	1108.81	1109.14	Removed	1126.40	NT	1136.17		1144.99
10/07/2003	1090.05	1093.55	1108.13	1108.65	Removed	1126.29	NT	1135.92		1144.27
01/09/2004	NT	NT	NT	NT	Removed	NT	NT	NT		NT
04/12/2004	1091.39	1095.09	1109.99	1110.51	Removed	1126.34	NT	1138.27		1146.49
10/14/2004	1090.94	1094.42	1106.77	1108.06	Removed	1125.56	NT	1136.95		1144.68
04/15/2005	1092.57	1095.41	1110.85	1110.52	Removed	1124.91	NT	1138.31		1146.75
07/12/2005	NT	NT	NT	NT	Removed	NT	NT	NT		NT
10/10/2005	1090.26	1093.34	1107.11	1108.03	Removed	1125.04	NT	1136.17		1144.40
04/11/2006	1092.03	1094.82	1111.27	1111.07	Removed	1125.09	NT	1138.56		1146.41
10/10/2006	1091.22	1094.22	1108.51	1109.48	Removed	1124.72	NT	1138.02		1146.18
04/20/2007	1093.42	1096.45	1111.57	1111.56	Removed	1125.61	NT	1138.50		1148.18
10/03/2007	1091.74	1094.40	1109.17	1109.66	Removed	1124.86	NT	1138.15		1147.83
04/07/2008	1092.79	1095.00	1112.35	1110.82	Removed	1125.61	NT	1137.59		1146.35
10/01/2008	1090.04	1092.60	1107.02	1107.51	Removed	1124.29	NT	Destroyed		1144.93
12/23/2008	NT	NT	NT	NT	Removed	NT	NT	Destroyed		NT
04/03/2009	1091.54	1094.30	1110.77	1110.11	Removed	1124.06	NT	Destroyed		1146.18
10/09/2009	1091.34	1094.00	1109.65	1110.21	Removed	1123.86	NT	Destroyed		1147.98
04/12/2010	1092.24	1094.85	1111.27	1110.91	Removed	1124.86	NT	Destroyed		1146.58
10/14/2010	1091.14	1093.60	1107.97	1109.06	Removed	1124.56	NT	Destroyed	1136.76	1146.58
04/07/2011	1091.34	1094.05	1109.87	1110.06	Removed	1124.11	NT	Destroyed	1137.31	1144.78
10/17/2011	1090.19	1092.30	1106.77	1107.46	Removed	1123.81	NT	Destroyed	1135.71	1143.98
04/18/2012	1091.64	1093.90	1111.52	1111.91	Removed	1124.56	NT	Destroyed	1138.36	1145.98
10/16/2012	1090.24	1092.10	1105.77	1106.36	Removed	1123.36	NT	Destroyed	1135.66	1143.68
04/02/2013	1091.84	1093.30	1112.77	1107.96	Removed	1122.16	NT	Destroyed	1137.26	1143.08
10/08/2013	1090.44	1092.79	1108.02	1108.08	Removed	1124.06	NT	Destroyed	1136.41	1144.73
04/15/2014	1091.94	1093.65	1115.32	1109.16	Removed	1123.76	NT	Destroyed	1138.76	1146.40
10/23/2014	1092.34	1095.30	1112.67	1110.71	Removed	1124.61	NT	Destroyed	1138.66	1146.98
03/31/2015	1091.84	1095.25	1111.62	1110.66	Removed	1124.66	NT	Destroyed	1137.72	1146.03

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	MW 15	MW 16	MW 17	PZ 18	PZ 19	PZ 20	PZ 21	PZ 22	PZ 23	PZ 24
TOP PVC. ELEV, FT.	1155.47	1136.75	1119.92	1107.71	1106.77	1107.79	1133.00	1138.65	1140.91	1141.46
DATE										
04/14/2003	1134.27	1120.90	1102.92	1092.06	1099.17	1093.49	1121.10	1129.55	1132.66	1129.16
05/28/2003	1134.94	1121.58	1104.80	1092.58	1099.74	1094.81	1121.75	1129.76	1132.88	1129.48
06/04/2003	1135.46	1121.82	1104.95	1092.83	1099.89	1095.10	1121.95	1129.93	1133.04	1129.78
07/14/2003	1138.45	1124.45	1107.72	1093.78	1102.44	1095.49	1124.96	1131.81	1131.40	1135.77
08/12/2003	1136.75	1122.28	1104.11	1092.59	1101.41	1094.09	1122.08	1130.94	1130.05	1134.83
09/16/2003	1135.39	1120.00	1096.60	1090.82	1100.31	1092.50	1119.85	1128.43	1128.38	1133.43
10/07/2003	1134.43	1119.71	1095.66	1090.73	1099.29	1092.41	1118.88	1128.07	1127.37	1132.70
01/09/2004	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
04/12/2004	1137.64	1124.12	1107.45	NT	NT	NT	NT	NT	NT	NT
10/14/2004	1136.37	1121.95	1101.67	1091.31	1100.77	1092.69	1121.00	1128.45	1129.71	1134.26
04/15/2005	1137.32	1124.70	1109.10	NT	1102.15	1095.41	1126.12	1131.10	1131.16	1135.42
07/12/2005	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
10/10/2005	1134.46	1122.21	1104.43	NT	NT	NT	NT	NT	NT	NT
04/11/2006	1137.59	1125.47	1109.23	NT	NT	NT	NT	NT	NT	NT
10/10/2006	1137.96	1124.69	1106.97	NT	NT	NT	NT	NT	NT	NT
04/20/2007	1139.17	1126.20	1109.62	NT	NT	NT	NT	NT	NT	NT
10/03/2007	1138.77	1125.05	1106.62	NT	NT	NT	NT	NT	NT	NT
04/07/2008	1136.76	1124.75	1108.25	NT	NT	NT	NT	NT	NT	NT
10/01/2008	1135.67	1120.85	1100.52	NT	NT	NT	NT	NT	NT	NT
12/23/2008	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
04/03/2009	1137.22	1124.95	1108.42	NT	NT	NT	NT	NT	NT	NT
10/09/2009	1138.77	1125.65	1109.07	NT	NT	NT	NT	NT	NT	NT
04/12/2010	1137.47	1125.65	1109.17	NT	NT	NT	NT	NT	NT	NT
10/14/2010	1137.87	1125.50	1107.17	NT	NT	NT	NT	NT	NT	NT
04/07/2011	1136.27	1125.25	1108.82	NT	NT	NT	NT	NT	NT	NT
10/17/2011	1133.67	1122.85	1101.97	NT	NT	NT	NT	NT	NT	NT
04/18/2012	1136.57	1125.05	1108.62	NT	NT	NT	NT	NT	NT	NT
10/16/2012	1131.07	1120.65	1096.62	NT	NT	NT	NT	NT	NT	NT
04/02/2013	1129.67	1121.70	1102.32	NT	NT	NT	NT	NT	NT	NT
10/08/2013	1133.67	1120.07	1097.62	NT	NT	NT	NT	NT	NT	NT
04/15/2014	1131.21	1121.30	1102.07	NT	NT	NT	NT	NT	NT	NT
10/23/2014	1137.82	1125.75	1108.72	NT	NT	NT	NT	NT	NT	NT
03/31/2015	1136.82	1124.55	1107.82	NT	NT	NT	NT	NT	NT	NT

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	PZ 25	PZ 28	MW 29	MW 30	MW 31A	MW 32A	MW 33	MW 34	MW 35	MW 36
TOP PVC. ELEV, FT.	1139.57	1106.72	1136.78	1120.86	1162.14	1162.63	1115.86	1116.04	1124.27	1151.02
			1136.66(1)						MW-35R	
DATE									1123.59	
04/14/2003	1133.12	1092.67	1119.63	1101.31	1136.89	1121.98	1098.21	1098.24	1115.62	NT
05/28/2003	1133.26	1092.91	1119.91	1102.82	1137.02	1122.70	1098.48	1098.53	1115.80	1123.07
06/04/2003	1133.35	1093.14	1120.35	1103.24	1138.08	1123.52	1098.73	1098.80	1115.96	1123.67
07/14/2003	1134.23	1094.41	1123.18	1108.54	1137.29	1125.43	1101.31	1101.14	1115.82	1126.77
08/12/2003	1133.15	1093.50	1120.77	1105.91	1136.60	1124.30	1101.20	1100.76	1113.54	1124.91
09/16/2003	1132.38	1091.79	1118.67	1101.38	1135.63	1123.20	1100.94	1099.78	1112.28	1121.82
10/07/2003	1131.92	1091.66	1117.54	1101.41	1135.46	1122.47	1099.70	1099.32	1112.10	NT
01/09/2004	NT	NT	NT	NT	1135.88	1122.45	NT	NT	NT	NT
04/12/2004	1133.47	NT	1128.68	1110.28	1136.25	1124.21	1100.85	1100.77	1115.31	NT
10/14/2004	1133.02	1091.92	1119.78	1101.78	1134.64	1123.03	1098.86	1099.24	1114.27	NT
04/15/2005	1134.36	1094.29	1129.87	1113.04	1136.53	1122.82	1102.61	1101.43	1116.87	1121.76
07/12/2005	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
10/10/2005	NT	NT	1120.64	1101.50	1134.95	1122.10	1100.07	1099.08	1114.92	1121.73
04/11/2006	NT	NT	1130.16	1112.99	1135.52	1123.90	1101.98	1101.64	1116.69	1125.17
10/10/2006	NT	NT	1126.20	1108.05	1134.63	1123.93	1100.46	1100.79	1115.16	1124.96
04/20/2007	NT	NT	1130.08	1113.36	1135.19	1125.18	1102.61	1102.49	1116.87	1126.90
10/03/2007	NT	NT	1127.18	1108.91	1134.64	1124.23	1101.66	1100.24	1116.40	1125.32
04/07/2008	NT	NT	1129.97	1112.60	Dry	1120.42	1103.46	1102.51	1117.23	1122.11
10/01/2008	NT	NT	1121.38	1101.36	Dry	1118.63	1099.86	1099.44	1114.97	1120.00
12/23/2008	NT	NT	NT	NT	Dry	NT	NT	NT	NT	NT
04/03/2009	NT	NT	1130.18	1112.71	Dry	1119.63	1105.31	1101.74	1118.12	1121.44
10/09/2009	NT	NT	1129.68	1112.51	Dry	1119.98	1101.86	1101.19	1116.89	1122.22
04/12/2010	NT	NT	1129.48	1112.96	Dry	1120.23	1102.26	1101.94	1116.97	1122.67
10/14/2010	NT	NT	1127.48	1109.36	Dry	1120.03	1099.96	1100.34	1115.82	1122.22
04/07/2011	NT	NT	1128.53	1111.56	NT	NT	1102.31	1101.44	1116.42	1121.32
10/17/2011	NT	NT	1124.53	1103.06	MW 31R	NT	1099.26	1099.09	1114.62	1119.22
04/18/2012	NT	NT	1129.48	1111.96	1139.56	NT	1106.71	1102.44	1116.52	1120.72
10/16/2012	NT	NT	1120.28	1101.36	1138.46	NT	1098.16	1097.84	1113.47	1116.02
04/02/2013	1131.17	NT	1126.98	1101.36	1137.81	NT	1104.56	1102.29	1115.22	1115.22
10/08/2013	1131.39	NT	1119.91	1101.42	1139.41	NT	1099.36	1099.09	1111.72	1118.62
04/15/2014	1134.07	NT	1122.02	1100.94	1137.86	NT	1107.86	1102.84	1115.47	1116.72
10/23/2014	1135.82	NT	1129.51	1111.56	1140.21	NT	1106.26	1101.34	1115.57	1112.22
03/31/2015	1134.08	NT	1129.71	1109.35	1139.76	NT	1103.21	1101.89	1117.75	1121.82

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	EW-1	LW 91-1	LW 91-2	LW 91-3	LW 91-4	LW 91-5	LW 91-6	LW 93-7	LW 93-8	LW 93-9
TOP PVC. ELEV, FT.	1151.03	1160.71 1170.52	1150.84	1160.15	1148.44	1143.36	1144.11 1163.93	1160.63 1170.54	1151.05 1160.10	1150.64
DATE						1162.00				
04/14/2003	NT	1149.52	1137.04	Removed	Removed	1135.94	1130.03	Removed	1124.50	1138.84
05/28/2003	1139.53	1149.77	1137.26	Removed	Removed	1136.20	1130.32	Removed	1124.78	1139.11
06/04/2003	1139.75	1150.15	1137.41	Removed	Removed	1136.45	1130.54	Removed	1125.13	1139.36
07/14/2003	1144.70	1149.78	1137.69	Removed	Removed	1135.90	1131.69	Removed	1124.82	1141.24
08/12/2003	1143.86	1149.71	1137.48	Removed	Removed	1135.61	1131.04	Removed	1124.75	1137.66
09/16/2003	1141.51	1149.52	1136.87	Removed	Removed	1134.53	1130.15	Removed	1124.69	1124.78
10/07/2003	NT	1149.38	1135.38	Removed	Removed	1134.10	1129.59	Removed	1124.52	NT
01/09/2004	NT	NT	NT	Removed	Removed	NT	NT	Removed	NT	NT
04/12/2004	NT	1149.36	1137.73	Removed	Removed	1135.63	1134.57	Removed	1124.40	NT
10/14/2004	NT	1148.52	NT	Removed	Removed	1132.64	1128.73	Removed	1123.50	NT
04/15/2005	NT	1149.02	1137.04	Removed	Removed	1132.74	1130.03	Removed	1122.80	NT
07/12/2005	NT	1148.92	1137.04	Removed	Removed	1132.14	1130.33	Removed	1123.20	NT
10/10/2005	NT	1148.60	NT	Removed	Removed	1131.54	1129.39	Removed	1123.08	NT
04/11/2006	NT	1149.47	1137.85	Removed	Removed	1136.79	1132.67	Removed	1123.31	NT
10/10/2006	NT	1148.80	1136.84	Removed	Removed	1134.27	1134.30	Removed	1123.27	NT
04/20/2007	NT	1149.50	1138.47	Removed	Removed	1138.99	1132.83	Removed	1123.25	NT
10/03/2007	NT	1148.62	NT	Removed	Removed	1134.24	1135.63	Removed	1122.60	NT
04/07/2008	NT	1149.42	1146.94	Removed	Removed	1132.81	1133.41	Removed	1123.31	NT
10/01/2008	NT	1148.62	1146.34	Removed	Removed	1134.54	1135.43	Removed	1123.10	NT
12/23/2008	NT	1148.92	#VALUE!	Removed	Removed	1136.34	1135.43	Removed	Frozen	Destroyed
04/03/2009	NT	1148.92	1143.84	Removed	Removed	1133.14	1133.43	Removed	1123.10	Destroyed
10/09/2009	NT	1149.02	NT	Removed	Removed	1138.34	1134.63	Removed	1123.30	Destroyed
04/12/2010	1143.83	1149.22	1143.34	Removed	Removed	1146.64	1133.13	Removed	1123.30	Destroyed
10/14/2010	1140.03	1147.52	1145.04	Removed	Removed	1147.34	1133.03	Removed	1122.90	Destroyed
04/07/2011	dry	1149.12	1146.24	Removed	Removed	1147.34	1135.33	Removed	1123.10	Destroyed
10/17/2011	1136.93	1148.22	1146.09	Removed	Removed	1140.94	1135.03	Removed	1123.10	Destroyed
04/18/2012	dry	1148.92	1146.44	Removed	Removed	1141.24	1136.53	Removed	1123.30	Destroyed
10/16/2012	NT	1147.62	1146.54	Removed	Removed	1136.04	1135.73	Removed	1123.10	Destroyed
04/02/2013	NT	1145.92	1146.24	Removed	Removed	1137.14	1135.53	Removed	Frozen	Destroyed
10/08/2013	NT	1146.12	1145.24	Removed	Removed	1138.44	1135.53	Removed	Frozen	Destroyed
04/15/2014	NT	1148.92	1146.14	Removed	Removed	1148.44	1136.33	Removed	1123.10	Destroyed
10/23/2014	NT	1148.62	1145.54	Removed	Removed	1147.44	1139.93	Removed	1123.10	Destroyed
03/31/2015	NT	1148.52	1146.24	Removed	Removed	1139.64	1136.93	Removed	1123.10	Destroyed

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	LW 93-10	LW 93-11	LW 93-12	LPZ-101	LPZ-102	LPZ-201	LPZ-202	GPZ-203	LPZ-301	GPZ-302
TOP PVC. ELEV, FT.	1139.23	1133.96 1133.93	1131.69 1141.75	7.20	8.50		56.70	12.00	8.40	12.30
DATE										
04/14/2003	1123.73	Removed	1120.75	dry	dry					
05/28/2003	1124.04	Removed	1121.02							
06/04/2003	1124.48	Removed	1121.49							
07/14/2003	1123.78	Removed	1121.25							
08/12/2003	1123.78	Removed	1121.38							
09/16/2003	1123.82	Removed	1121.60							
10/07/2003	1123.81	Removed	1121.53	dry	dry					
01/09/2004	NT	Removed	NT							
04/12/2004	1115.61	Removed	1121.57	dry	dry					
10/14/2004	1117.13	Removed	1121.45	dry	dry					
04/15/2005	1115.03	Removed	1121.85	dry	dry					
07/12/2005	1115.03	Removed	1121.95							
10/10/2005	1115.35	Removed	1122.26	dry	dry					
04/11/2006	1115.38	Removed	1122.59	dry	dry					
10/10/2006	1115.33	Removed	1122.88	dry	dry					
04/20/2007	1116.66	Removed	1123.17	dry	dry					
10/03/2007	1121.63	Removed	1123.75	dry	dry					
04/07/2008	1121.88	Removed	1123.60	dry	dry					
10/01/2008	1121.63	Removed	1123.55	dry	dry					
12/23/2008	1121.23	Removed	1123.85							
04/03/2009	1121.43	Removed	1123.65	dry	3 inches					
10/09/2009	1122.03	Removed	1124.25	dry	dry					
04/12/2010	1122.03	Removed	1124.15	dry	dry					
10/14/2010	1122.93	Removed	1124.65	dry	dry					
04/07/2011	1123.13	Removed	1124.05	dry	dry					
10/17/2011	1123.53	Removed	1124.15	dry	dry					
04/18/2012	1124.33	Removed	1124.55	dry	dry					
10/16/2012	1124.63	Removed	1124.05	dry	dry					
04/02/2013	1123.23	Removed	1123.45	dry	dry					
10/08/2013	1122.33	Removed	1123.55	dry	dry					
04/15/2014	1122.33	Removed	1123.35	dry	dry					
10/23/2014	1123.23	Removed	1124.35	dry	dry					
03/31/2015	1122.43	Removed	1123.65	dry	dry					

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	GPZ-south	GPZ-west	MW-37	MW-38	MW-39	MW-40	MW-41	MW-42	MW-43	MW-44
TOP PVC. ELEV, FT.			1151.28	1152.97	1153.09	1137.89	1137.77	1149.55	1149.45	1132.08
DATE										
04/14/2003			NT	NT	NT	NT	NT	NT	NT	NT
05/28/2003			NT	NT	NT	NT	NT	NT	NT	NT
06/04/2003			NT	NT	NT	NT	NT	NT	NT	NT
07/14/2003			NT	1131.27	1142.09	NT	NT	NT	NT	NT
08/12/2003			NT	NT	NT	NT	NT	NT	NT	NT
09/16/2003			NT	NT	NT	NT	NT	NT	NT	NT
10/07/2003			NT	1126.92	1136.66	NT	NT	NT	NT	NT
01/09/2004			NT	1127.58	1137.66	NT	NT	NT	NT	NT
04/12/2004			NT	1130.22	1140.00	NT	NT	NT	NT	NT
10/14/2004			NT	1127.92	1137.09	NT	NT	NT	NT	NT
04/15/2005			1142.41	1129.33	1139.38	1129.87	1119.52	1118.27	1141.97	1119.72
07/12/2005			NT	NT	NT	NT	NT	NT	NT	NT
10/10/2005			1134.24	1126.64	1136.36	1118.38	1115.71	1114.92	1133.11	1116.89
04/11/2006			1142.28	1129.82	1140.64	1129.96	1119.89	1118.54	1142.77	1120.24
10/10/2006			1140.54	1129.52	1139.19	1129.29	1119.62	1118.35	1141.50	1120.25
04/20/2007			1144.48	1131.52	1142.44	1131.58	1121.65	1120.71	1145.03	1124.64
10/03/2007			1141.68	1130.12	1140.29	1128.84	1120.02	1119.11	1142.85	1120.68
04/07/2008			1141.57	1126.43	1138.83	1127.08	1118.82	1117.54	1141.95	1118.89
10/01/2008			1139.98	1123.42	1135.69	1124.09	1116.37	1115.35	1137.95	1118.28
12/23/2008			1140.58	NT	NT	1126.54	NT	NT	NT	NT
04/03/2009			1141.46	1125.87	1137.17	1127.79	1118.07	1117.05	1143.80	1119.28
10/09/2009			1142.88	1127.57	1140.24	1125.64	1118.37	1117.29	1142.90	1118.50
04/12/2010			1144.08	1126.97	1138.59	1128.89	1119.17	1118.05	1144.35	1123.23
10/14/2010			1141.33	1126.97	1138.39	1126.09	1118.17	1117.15	1140.60	1118.83
04/07/2011			1140.23	1125.92	1136.99	1127.74	1117.67	1116.55	1142.15	1118.93
10/17/2011			1136.03	1124.02	1135.79	1122.99	1114.77	1114.05	1136.55	1117.38
04/18/2012			1139.08	1125.62	1137.34	1128.69	1117.37	1116.25	1142.65	1119.23
10/16/2012			1121.93	1121.47	1134.49	1116.89	1111.47	1111.25	1128.55	1116.48
04/02/2013			1126.43	1120.47	1133.59	1113.79	1111.02	1110.60	1124.65	1120.13
10/08/2013			1134.79	1123.53	1135.52	1119.78	1114.52	1113.94	1136.05	1119.23
04/15/2014			1129.23	1121.22	1133.94	1115.66	1112.62	1112.15	1132.75	1117.48
10/23/2014			1140.78	1126.57	1138.84	1125.34	1118.37	1117.35	1141.40	1120.58
03/31/2015			1141.08	1126.32	1138.14	1128.85	1118.17	1117.00	1142.23	1119.04

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	MW-45	MW-46	MW-47	MW-48A	MW-49A	MW-50	MW-51	MW-7A	MW-7B	MW-7C
TOP PVC. ELEV, FT.	1132.11	1099.87	1099.82	1099.61 1101.03	1120.02 1132.50	0.00 1100.39	0.00 1116.53	1105.29	1105.23	1109.79
DATE										
04/14/2003	NT	NT	NT	NT	NT					
05/28/2003	NT	NT	NT	NT	NT					
06/04/2003	NT	NT	NT	NT	NT					
07/14/2003	NT	NT	NT	broken	Removed					
08/12/2003	NT	NT	NT	broken	Removed					
09/16/2003	NT	NT	NT	broken	Removed					
10/07/2003	NT	NT	NT	1088.82	Removed					
01/09/2004	NT	NT	NT	1089.22	Removed					
04/12/2004	NT	NT	NT	1089.60	Removed					
10/14/2004	NT	NT	NT	1090.68	1116.70					
04/15/2005	1115.45	1088.86	1090.19	1090.95	1117.49					
07/12/2005	NT	NT	NT	1091.08	1116.95					
10/10/2005	1112.26	Dry	1087.74	1089.70	1115.92					
04/11/2006	1115.86	1088.14	1089.33	1090.75	1118.09					
10/10/2006	1115.38	1087.49	1088.42	1090.42	1116.54					
04/20/2007	1118.17	1089.81	1090.38	1091.33	1119.35					
10/03/2007	1116.31	1088.37	1089.37	1090.53	1118.30					
04/07/2008	1115.04	1088.90	1089.65	1090.43	1119.05					
10/01/2008	1113.36	Dry	1088.07	1088.88	1116.35					
12/23/2008	NT	Dry	1088.72	1090.05	1117.10					
04/03/2009	1114.86	1087.89	1089.12	1089.80	1118.20					
10/09/2009	1114.71	1087.82	1089.00	1089.93	1118.25					
04/12/2010	1116.31	1088.77	1089.62	1090.23	1118.60					
10/14/2010	1114.81	1087.67	1088.77	1089.53	1117.55	1089.18	1106.98			
04/07/2011	1114.31	1087.57	1088.77	1089.68	1117.70	1089.74	1107.63			
10/17/2011	1112.31	Dry	1088.57	1088.88	1116.10	1089.29	1104.33			
04/18/2012	1114.16	1088.57	1090.92	1090.78	1119.25	1090.84	1107.28			
10/16/2012	1110.21	1088.27	1089.52	1089.73	1113.60	1089.89	1102.73			
04/02/2013	1109.81	1088.37	1089.07	1089.68	1113.95	1090.09	1102.78	1091.39	1092.08	1091.74
10/08/2013	1112.53	1087.27	1088.11	1088.83	1117.43	1088.79	1104.08	1089.99	1090.15	1090.24
04/15/2014	1111.18	1087.97	1089.10	1089.71	1119.60	1090.29	1104.41	1091.44	1091.85	1091.99
10/23/2014	1115.51	1089.07	1089.52	1090.73	1119.20	1089.79	1108.38	1091.89	1091.63	1092.29
03/31/2015	1114.81	1088.07	1089.07	1089.53	1119.25	1090.09	1107.68	1091.33	1091.53	1091.69

Table 4A
RURAL IOWA SANITARY LANDFILL
42-SDP-1-72P
MONTHLY WATER ELEVATIONS

	MW 7	MW 8	MW 9	MW 10	MW 11	MW211	PZ 12	MW 13	MW-13R	MW 14
TOP PVC. ELEV, FT.	1109.64	1109.60	1119.77	1119.06	1139.95	1139.26	1161.78	1145.35	1147.71	1155.28
DATE										
11/05/2015	1091.34	1094.70	1108.02	1108.81	Removed	1125.16	NT	Destroyed	1137.46	1146.26
4/21/2016	1091.69	1095.00	1110.77	1110.65	Removed	1126.59	NT	Destroyed	1137.81	1146.96
10/17/2016	1091.29	1094.15	1109.90	1108.64	Removed	1125.66	NT	Destroyed	1137.51	1146.26
4/21/2017	1092.71	1096.08	1113.46	1112.11	Removed	1127.88	NT	Destroyed	1138.43	1147.93
10/16/2017	1091.76	1094.27	1112.42	1110.64	Removed	1125.36	NT	Destroyed	1138.64	1146.03
4/24/2018	1092.37	1094.84	1113.99	1111.90	Removed	1127.44	NT	Destroyed	1138.79	1147.93
10/25/2018	1092.83	1096.12	1111.22	1111.42	Removed	1126.27	NT	Destroyed	1138.55	1148.93
4/15/2019	1093.19	1096.09	1113.57	1112.15	Removed	1127.47	NT	Destroyed	1138.39	1147.98
10/7/2019	1094.49	1096.62	1114.51	1112.31	Removed	1125.92	NT	Destroyed	1139.82	1148.68
4/22/2020	1092.01	1095.29	1111.54	1111.44	Removed	1127.40	NT	Destroyed	1138.46	1148.07
10/1/2020	1089.91	1092.52	1107.91	1108.13	Removed	1125.42	NT	Destroyed	1135.96	1144.69
4/8/2021	1091.09	1094.09	1112.29	1110.86	Removed	1126.23	NT	Destroyed	1137.91	1146.75
10/29/2021	1091.48	1093.43	1114.72	1109.87	Removed	1124.15	NT	Destroyed	1139.16	1145.87
4/25/2022	1093.61	1098.26	1114.67	1112.20	Removed	1127.09	NT	Destroyed	1139.43	1147.80
10/17/2022	1090.48	1092.84	1106.85	1107.58	Removed	1124.82	NT	Destroyed	1135.47	1144.55
4/10/2023	1092.49	1095.32	1112.77	1111.28	Removed	1126.13	NT	Destroyed	1133.82	1145.99
10/27/2023	1090.35	1092.27	1105.86	1106.20	Removed	1123.94	NT	Destroyed	1134.64	1143.23
4/2/2024	1091.19	1093.25	1115.00	1108.46	Removed	1123.29	NT	Destroyed	1136.88	1144.59
10/10/2024	1090.53	1092.90	1108.05	1107.79	Removed	1123.39	NT	Destroyed	1135.74	1144.63
4/15/2025	1091.74	1094.67	1111.26	1110.37	Removed	1126.35	NT	Destroyed	1137.61	1145.88
10/16/2025	1091.19	1093.89	1107.99	1108.26	Removed	1124.39	NT	Destroyed	1137.06	1145.47

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	MW 15	MW 16	MW 17	PZ 18	PZ 19	PZ 20	PZ 21	PZ 22	PZ 23	PZ 24
TOP PVC. ELEV, FT.	1155.47	1136.75	1119.92	1107.71	1106.77	1107.79	1133.00	1138.65	1140.91	1141.46
DATE										
11/05/2015	1137.67	1124.95	1106.67	NT	NT	NT	NT	NT	NT	NT
4/21/2016	1138.07	1125.95	1108.57	NT	NT	NT	NT	NT	NT	NT
10/17/2016	1137.74	1125.69	1107.97	NT	NT	NT	NT	NT	NT	NT
4/21/2017	1138.30	1126.18	1109.64	NT	NT	NT	NT	NT	NT	NT
10/16/2017	1135.50	1125.40	1108.85	NT	NT	NT	NT	NT	NT	NT
4/24/2018	1137.94	1125.71	1109.44	NT	NT	NT	NT	NT	NT	NT
10/25/2018	1139.60	1126.83	1109.41	NT	NT	NT	NT	NT	NT	NT
4/15/2019	1137.02	1125.50	1109.33	NT	NT	NT	NT	NT	NT	NT
10/7/2019	1137.04	1125.73	1109.72	NT	NT	NT	NT	NT	NT	NT
4/22/2020	1138.82	1126.35	1109.31	NT	NT	NT	NT	NT	NT	NT
10/1/2020	1133.04	1122.59	1103.38	NT	NT	NT	NT	NT	NT	NT
4/8/2021	1134.53	1124.99	1108.90	NT	NT	NT	NT	NT	NT	NT
10/29/2021	1133.10	1123.89	1107.06	NT	NT	NT	NT	NT	NT	NT
4/25/2022	1137.81	1125.64	1109.50	NT	NT	NT	NT	NT	NT	NT
10/17/2022	1134.17	1122.94	1102.52	NT	NT	NT	NT	NT	NT	NT
4/10/2023	1136.47	1125.52	1109.12	NT	NT	NT	NT	NT	NT	NT
10/27/2023	1132.91	1117.60	1094.81	NT	NT	NT	NT	NT	NT	NT
4/2/2024	1132.43	1123.29	1106.00	NT	NT	NT	NT	NT	NT	NT
10/10/2024	1134.34	1120.64	1099.13	NT	NT	NT	NT	NT	NT	NT
4/15/2025	1136.89	1125.37	1108.81	NT	NT	NT	NT	NT	NT	NT
10/16/2025	1136.76	1123.85	1104.19	NT	NT	NT	NT	NT	NT	NT

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	PZ 25	PZ 28	MW 29	MW 30	MW 31A	MW 32A	MW 33	MW 34	MW 35	MW 36
TOP PVC. ELEV, FT.	1139.57	1106.72	1136.78	1120.86	1162.14	1162.63	1115.86	1116.04	1124.27	1151.02
			1136.66(1)						MW-35R	
DATE									1123.59	
11/05/2015	1134.17	NT	1127.36	1107.57	1139.56	NT	1099.39	1099.71	NT	1122.02
4/21/2016	NT	NT	1128.81	1110.86	1141.46	NT	1101.89	1101.14	NT	1122.87
10/17/2016	NT	NT	1127.54	1110.11	1139.68	NT	1100.06	1100.44	1116.74	1121.60
4/21/2017	1134.87	NT	1129.85	1112.46	1141.61	NT	1105.09	1103.51	1118.08	1122.92
10/16/2017	NT	NT	1129.91	1112.55	1139.73	NT	1104.53	1102.79	1117.37	1120.18
4/24/2018	1134.45	NT	1129.95	1113.57	1140.49	NT	1104.38	1103.34	1117.63	1122.11
10/25/2018	1134.88	NT	1128.75	1110.46	1141.52	NT	1101.16	1101.49	1117.10	1124.41
4/15/2019	1134.77	NT	1130.20	1112.98	1141.09	NT	1103.98	1103.65	1117.70	1122.52
10/7/2019	1135.77	NT	1131.06	1114.51	1140.43	NT	1105.18	1104.49	1117.98	1122.09
4/22/2020	1134.60	NT	1128.98	1111.93	1141.41	NT	1102.01	1102.04	1116.94	1123.33
10/1/2020	1132.38	NT	1120.67	1101.36	1139.31	NT	1099.06	1099.53	1114.84	1118.80
4/8/2021	1133.86	NT	1129.45	1111.30	1141.32	NT	1103.13	1102.45	1116.78	1120.12
10/29/2021	1136.38	NT	1129.41	1106.20	1138.85	NT	1108.37	1102.98	1117.69	1118.17
4/25/2022	1135.55	NT	1130.81	1114.19	1139.51	NT	1106.31	1104.29	1118.36	1121.29
10/17/2022	1132.61	NT	1124.04	1102.66	1139.11	NT	1099.12	1099.14	1114.48	1118.28
4/10/2023	1133.79	NT	1128.25	1112.08	1139.50	NT	1103.49	1102.47	1117.44	1120.52
10/27/2023	1131.32	NT	1117.26	1101.32	1138.31	NT	1097.63	1097.62	1111.40	1116.22
4/2/2024	1134.11	NT	1128.25	1103.50	1137.52	NT	1108.39	1101.96	1114.76	1116.18
10/10/2024	1132.18	NT	1119.79	1101.36	1138.16	NT	1099.22	1098.92	1109.98	1118.18
4/15/2025	1133.55	NT	1129.10	1104.36	1139.05	NT	1102.81	1101.89	1117.07	1119.47
10/16/2025	1134.67	NT	1125.19	1105.17	1139.01	NT	1099.19	1099.57	1114.04	1119.34

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	EW-1	LW 91-1	LW 91-2	LW 91-3	LW 91-4	LW 91-5	LW 91-6	LW 93-7	LW 93-8	LW 93-9
TOP PVC. ELEV, FT.	1151.03	1160.71 1170.52	1150.84	1160.15	1148.44	1143.36	1144.11 1163.93	1160.63 1170.54	1151.05 1160.10	1150.64
DATE						1162.00				
11/05/2015	NT	1148.62	1146.14	Removed	Removed	1149.24	1136.93	Removed	1125.20	Destroyed
4/21/2016	NT	NT	1150.84	Removed	Removed	NT	NT	Removed	NT	Destroyed
10/17/2016	NT	NT	1150.84	Removed	Removed	NT	NT	Removed	NT	Destroyed
4/21/2017	NT	NT	1150.84	Removed	Removed	NT	NT	Removed	NT	Destroyed
10/16/2017	NT	1150.72	1147.24	Removed	Removed	NT	1137.13	Removed	1123.30	Destroyed
4/24/2018	NT	1150.72	1146.84	Removed	Removed	NT	1137.93	Removed	1124.90	Destroyed
10/25/2018	NT	1151.90	1146.24	Removed	Removed	NT	1138.48	Removed	1123.76	Destroyed
4/15/2019	NT	1149.62	1146.84	Removed	Removed	NT	1139.95	Removed	1123.52	Destroyed
10/7/2019	NT	1151.90	1146.24	Removed	Removed	NT	1138.48	Removed	1123.76	Destroyed
4/22/2020	NT	1149.92	1146.79	Removed	Removed	NT	1140.98	Removed	1123.80	Destroyed
10/1/2020	NT	1148.80	1146.22	Removed	Removed	1150.29	1138.12	Removed	1123.42	Destroyed
4/8/2021	NT	1149.36	1146.34	Removed	Removed	1151.90	1140.22	Removed	1123.79	Destroyed
10/29/2021	NT	1147.91	1147.24	Removed	Removed	1150.90	1138.98	Removed	1123.50	Destroyed
4/25/2022	NT	1149.12	1146.94	Removed	Removed	1151.76	1142.30	Removed	1123.40	Destroyed
10/17/2022	NT	1148.77	1146.84	Removed	Removed	1149.50	1138.78	Removed	1124.09	Destroyed
4/10/2023	NT	1148.85	1146.84	Removed	Removed	1150.37	1139.28	Removed	1123.68	Destroyed
10/27/2023	NT	1148.52	1147.04	Removed	Removed	1148.25	1137.78	Removed	1123.70	Destroyed
4/2/2024	NT	1148.69	1146.95	Removed	Removed	1149.80	1137.98	Removed	1123.50	Destroyed
10/10/2024	NT	1148.22	1147.99	Removed	Removed	1148.36	1139.58	Removed	1123.70	Destroyed
4/15/2025	NT	1148.87	1147.77	Removed	Removed	1149.33	1140.98	Removed	1123.50	Destroyed
10/16/2025	NT	1148.50	1148.74	Removed	Removed	1149.50	1140.28	Removed	1125.00	Destroyed

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	LW 93-10	LW 93-11	LW 93-12	LPZ-101	LPZ-102	LPZ-201	LPZ-202	GPZ-203	LPZ-301	GPZ-302
TOP PVC. ELEV, FT.	1139.23	1133.96 1133.93	1131.69 1141.75	7.20	8.50		56.70	12.00	8.40	12.30
DATE										
11/05/2015	1124.33	Removed	1124.85	dry	dry					
4/21/2016	NT	Removed	NT	dry	dry					
10/17/2016	NT	Removed	NT	dry	dry					
4/21/2017	NT	Removed	NT	dry	dry					
10/16/2017	1124.03	Removed	1124.85	dry	dry					
4/24/2018	1123.23	Removed	1124.55	0.38	Broken					
10/25/2018	1124.50	Removed	1125.75	0.38	1.60					
4/15/2019	1124.12	Removed	1125.49	0.43	4.30					
10/7/2019	1124.50	Removed	1125.75	0.38	1.60					
4/22/2020	1124.28	Removed	1126.10	0.50	5.55					
10/1/2020	1123.81	Removed	1124.64	2.75	5.30					
4/8/2021	1124.18	Removed	1125.57	0.50	5.50					
10/29/2021	1123.83	Removed	1124.65	0.10	Broken					
4/25/2022	1123.38	Removed	1124.88	0.58	Broken	Broken	5.25	2.20	0.00	0.00
10/17/2022	1123.68	Removed	1124.37	0.35	0.20	Broken	4.94	0.60	0.00	0.00
4/10/2023	1123.78	Removed	1125.10	0.50	0.85	Broken	4.76	0.30	0.00	0.15
10/27/2023	1123.28	Removed	1124.15	0.35	0.00	Broken	No reach	0.40	0.00	0.15
4/2/2024	1123.34	Removed	1123.85	0.60	1.40	Broken	No reach	1.40	0.00	0.00
10/10/2024	1123.77	Removed	1124.20	0.20	0.02	Broken	No reach	0.50	0.05	0.15
4/15/2025	1123.38	Removed	1124.05	0.52	0.75	Broken	No reach	0.60	0.32	0.20
10/16/2025	1129.43	Removed	1124.35	0.60	0.50	Broken	No reach	0.33	1.05	0.20

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	GPZ-south	GPZ-west	MW-37	MW-38	MW-39	MW-40	MW-41	MW-42	MW-43	MW-44
TOP PVC. ELEV, FT.			1151.28	1152.97	1153.09	1137.89	1137.77	1149.55	1149.45	1132.08
DATE										
11/05/2015			1139.68	1124.87	1133.94	1125.61	1118.12	1116.95	1140.27	1119.58
4/21/2016			1140.88	1125.72	1137.34	1128.29	1119.22	1118.05	1142.80	1121.16
10/17/2016			1139.48	1126.61	1136.83	1125.16	1117.82	1116.75	1140.38	1118.73
4/21/2017			1142.18	1125.79	1138.19	1132.06	1119.47	1118.42	1144.49	1123.03
10/16/2017			1135.48	1122.33	1134.28	1119.14	1116.61	1115.75	1140.33	1118.82
4/24/2018			1143.56	1124.72	1137.35	1133.09	1118.81	1117.65	1145.09	1119.52
10/25/2018			1143.55	1127.06	1139.54	1132.23	1120.72	1119.71	1144.20	1124.58
4/15/2019			1142.92	1125.16	1137.65	1133.75	1119.17	1118.01	1143.60	1121.66
10/7/2019			1144.73	1123.58	1136.06	1125.68	1118.85	1118.04	1145.13	1123.58
4/22/2020			1142.10	1126.37	1138.86	1132.06	1119.31	1118.44	1144.02	1121.24
10/1/2020			1133.77	1121.47	1133.49	1116.84	1114.05	1112.06	1135.49	1117.18
4/8/2021			1141.01	1121.72	1133.42	1119.89	1116.48	1114.34	1142.38	1118.13
10/29/2021			1130.30	1120.10	1131.19	1112.06	1113.82	1112.03	1131.58	1117.38
4/25/2022	dry	dry	1144.24	1123.74	1134.93	1132.27	1117.98	1115.65	1145.51	1121.06
10/17/2022	dry	dry	1130.91	1120.78	1131.87	1114.94	1114.03	1111.92	1136.19	1117.38
4/10/2023	dry	dry	1140.36	1122.32	1134.37	1127.71	1116.98	1114.58	1142.65	1120.95
10/27/2023	dry	dry	1129.43	1119.72	1131.53	1110.60	1111.49	1109.92	1128.37	1117.18
4/2/2024	dry	dry	1130.74	1119.12	1130.76	1110.76	1111.67	1110.27	1113.10	1118.28
10/10/2024	dry	dry	1133.01	1121.95	1134.10	1112.41	1112.57	1111.84	1135.49	1117.83
4/15/2025	dry	dry	1139.07	1123.56	1135.64	1113.84	1115.85	1113.95	1138.56	1118.87
10/16/2025	dry	dry	1135.99	1123.59	1135.54	1115.42	1115.35	1113.29	1138.60	1118.72

Table 4A
RURAL IOWA SANIT
42-SDP-1-72P
MONTHLY WATER E

	MW-45	MW-46	MW-47	MW-48A	MW-49A	MW-50	MW-51	MW-7A	MW-7B	MW-7C
TOP PVC. ELEV, FT.	1132.11	1099.87	1099.82	1099.61 1101.03	1120.02 1132.50	0.00 1100.39	0.00 1116.53	1105.29	1105.23	1109.79
DATE										
11/05/2015	1114.91	1087.82	1088.92	1089.58	1118.50	1088.54	1108.10	1091.19	1091.03	1091.14
4/21/2016	1116.21	1088.19	1088.94	1089.68	1119.50	1088.60	1108.72	1091.54	1091.38	1090.87
10/17/2016	1114.66	1087.66	1088.70	1089.53	1118.50	1088.51	1108.45	1091.14	1090.90	1090.99
4/21/2017	1116.56	1088.03	1088.99	1089.89	1120.45	1089.04	1109.46	1092.34	1092.36	1092.59
10/16/2017	1114.02	1087.68	1088.52	1089.96	1119.08	1088.75	1107.73	1091.57	1091.46	1091.69
4/24/2018	1115.51	1088.25	1089.06	1090.02	1120.21	1089.04	1108.53	1092.14	1092.03	1092.31
10/25/2018	1118.01	1089.43	1089.55	1090.28	1119.72	1089.25	1109.65	1092.62	1092.41	1092.57
4/15/2019	1116.15	1088.62	1089.07	1090.37	1120.78	1089.14	1109.01	1092.98	1092.90	1093.09
10/7/2019	1116.59	1089.79	1090.14	1091.13	1120.55	1090.20	1109.13	1094.36	1094.39	1094.66
4/22/2020	1116.06	1088.09	1088.64	1089.68	1119.72	1088.89	1109.15	1091.81	1091.69	1091.72
10/1/2020	1108.32	1086.41	1087.72	1088.72	1117.53	1087.91	1104.59	1089.83	1089.58	1089.73
4/8/2021	1110.61	1087.02	1088.12	1089.02	1119.61	1088.45	1107.08	1090.94	1090.71	1090.91
10/29/2021	1108.83	1087.55	1089.05	1090.18	1119.56	1089.33	1105.22	1091.30	1091.43	1091.63
4/25/2022	1112.31	1088.68	1089.38	1090.43	1120.59	1089.39	1107.55	1093.45	1093.51	1093.70
10/17/2022	1108.26	1086.95	1087.84	1088.93	1117.12	1087.81	1104.82	1090.34	1090.15	1090.27
4/10/2023	1111.35	1088.02	1088.77	1089.74	1119.52	1088.98	1107.87	1092.26	1092.12	1092.31
10/27/2023	1106.91	1087.84	1088.99	1089.23	1116.00	1088.19	1101.92	1090.28	1090.03	1090.14
4/2/2024	1107.96	1088.57	1089.13	1089.41	1118.00	1088.93	1104.23	1091.08	1090.89	1091.04
10/10/2024	1108.35	1087.17	1087.90	1089.15	1117.05	1087.82	1103.70	1090.48	1090.19	1090.54
4/15/2025	1110.13	1088.16	1088.54	1089.46	1118.90	1088.72	1107.21	1091.58	1091.40	1091.57
10/16/2025	1110.36	1087.78	1088.57	1089.73	1117.30	1088.37	1105.39	1091.10	1090.88	1091.04

Table 5 – Background and GWPS Summary

Table 5
Background and GWPS Summary
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No. 42-SDP-01-72P

Interwell Background/(MW-36, MW-37, MW-39, MW-40, and MW-47)

Inorganics - Appendix I										
Constituent	Units	Model Type	Samples - N	Detections	Mean	SD	Prediction Limit	Confidence	GWPS	Source
Antimony (Sb)	µg/l	nonparametric	115	0			2.0000	0.99	6	SS
Arsenic (As)	µg/l	nonparametric	101	16			89.3000	0.99	89.3	Site
Barium (Ba)	µg/l	nonparametric	114	114			1880.0000	0.99	2000	SS
Beryllium (Be)	µg/l	nonparametric	110	0			4.0000	0.99	4	SS
Cadmium (Cd)	µg/l	nonparametric	110	1			0.9000	0.99	5	SS
Chromium (Cr)	µg/l	nonparametric	109	3			20.3000	0.99	100	SS
Cobalt (Co)	µg/l	nonparametric	111	49			12.4000	0.99	12.4	Site
Copper (Cu)	µg/l	nonparametric	112	10			11.3000	0.99	1300	SS
Lead (Pb)	µg/l	nonparametric	109	3			4.4000	0.99	15	SS
Nickel (Ni)	µg/l	nonparametric	111	24			31.6000	0.99	100	SS
Selenium (Se)	µg/l	nonparametric	114	3			4.9000	0.99	50	SS
Silver (Ag)	µg/l	nonparametric	115	0			4.0000	0.99	100	SS
Thallium (Tl)	µg/l	nonparametric	110	0			2.0000	0.99	2	SS
Vanadium (V)	µg/l	nonparametric	110	1			22.4000	0.99	35	SS
Zinc (Zn)	µg/l	nonparametric	115	13			38.0000	0.99	2000	SS
VOC - Appendix I										
Constituent	Units	Model Type	Samples - N	Detections	Mean	SD	Prediction Limit	Confidence	GWPS	Source
All	µg/l	DQR	115	0	<1	<1	<1		various	SS

= Prediction limit exceeds the GWPS. A Site-Specific GWPS equal to the Prediction Limit is used.

Table 6 – Summary of Detections

Table 6
Summary of Well/Detected Constituent Pairs that Exceed the Prediction Limit
Annual Water Quality Report
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Well	Compound	Date	Result (ug/L)	Prediction Limit (ug/L)	GWPS (ug/L)	Monitoring Program
MW 49A	Cobalt	4/15/2025	13.2	12.4	12.4	Assessment Monitoring
MW 49A	Cobalt	10/16/2025	14.8	12.4	12.4	Assessment Monitoring
MW 49A	Nickel	4/15/2025	41.1	31.6	100	Assessment Monitoring
MW 49A	Nickel	10/16/2025	45.7	31.6	100	Assessment Monitoring
MW 49A	Benzene	4/15/2025	4.6	1.0	5.0	Assessment Monitoring
MW 49A	Benzene	10/16/2025	5.4	1.0	5.0	Assessment Monitoring
MW 49A	chloroethane	4/15/2025	3.8	1.0	2800	Assessment Monitoring
MW 49A	chloroethane	10/16/2025	4.0	1.0	2800	Assessment Monitoring
MW 49A	cis-1,2-dichloroethene	4/15/2025	5.2	1.0	70	Assessment Monitoring
MW 49A	cis-1,2-dichloroethene	10/16/2025	4.5	1.0	70	Assessment Monitoring
MW 49A	vinyl chloride	4/15/2025	4.5	1.0	2.0	Assessment Monitoring
MW 49A	vinyl chloride	10/16/2025	6.3	1.0	2.0	Assessment Monitoring
MW 7	Arsenic	4/15/2025	608.0	89.3	89.3	Corrective Action
MW 7	Arsenic	10/16/2025	212.0	89.3	89.3	Corrective Action
MW 7	benzene	4/15/2025	1.2	1.0	5.0	Corrective Action
MW 7	chloroethane	4/15/2025	4.5	1.0	2800	Corrective Action
MW 7	chloroethane	10/16/2025	4.3	1.0	2800	Corrective Action
MW 7B	Arsenic	4/15/2025	162.0	89.3	89.3	Corrective Action
MW 7B	Arsenic	10/16/2025	1640.0	89.3	89.3	Corrective Action
MW 13R	Arsenic	4/15/2025	183.0	89.3	89.3	Corrective Action
MW 13R	Arsenic	10/16/2025	209.0	89.3	89.3	Corrective Action
MW 13R	1,4-DCB	4/15/2025	1.2	1.0	75.0	Corrective Action
MW 13R	1,4-DCB	10/16/2025	1.6	1.0	75.0	Corrective Action
MW 13R	Benzene	4/15/2025	3.1	1.0	5.0	Corrective Action
MW 13R	Benzene	10/16/2025	4.2	1.0	5.0	Corrective Action
MW 13R	chlorobenzene	4/15/2025	34.0	1.0	100	Corrective Action
MW 13R	chlorobenzene	10/16/2025	43.1	1.0	100	Corrective Action
MW 14	Cobalt	4/15/2025	14.3	12.4	12.4	Assessment Monitoring
MW 14	1,4-DCB	10/16/2025	2.4	1.0	75.0	Assessment Monitoring
MW 14	chloroethane	4/15/2025	1.2	1.0	2800	Assessment Monitoring
MW 14	chloroethane	10/16/2025	1.6	1.0	2800	Assessment Monitoring
MW-35R	chloroethane	4/15/2025	3.2	1.0	2800	Assessment Monitoring
MW-35R	chloroethane	10/16/2025	7.4	1.0	2800	Assessment Monitoring
MW-35R	vinyl chloride	10/16/2025	1.7	1.0	2.0	Assessment Monitoring

Table 7 – Summary of Ongoing and Newly Identified SSI

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

KEY:

SSI

SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 7	Arsenic	4/21/2016	146	89.3	96.291	89.3	4/21/2016	NA	4/24/2018
MW 7	Arsenic	10/17/2016	165	89.3	108.91	89.3	4/21/2016	NA	4/24/2018
MW 7	Arsenic	4/21/2017	197	89.3	144.223	89.3	4/21/2016	NA	4/24/2018
MW 7	Arsenic	10/16/2017	115	89.3	115.327	89.3	4/21/2016	NA	4/24/2018
MW 7	Arsenic	4/24/2018	<4.0	89.3	19.242	89.3	4/21/2016	NA	4/24/2018
MW 7	Arsenic	10/25/2018	36.6	89.3	0.000	89.3	4/21/2016	NA	4/24/2018
MW 7	Arsenic	4/15/2019	457	89.3	0.000	89.3	4/21/2016	NA	4/24/2018
MW 7	Arsenic	10/7/2019	33.5	89.3	0.000	89.3	4/21/2016	NA	4/24/2018
MW 7	Arsenic	4/22/2020	88.8	89.3	0.000	89.3	4/21/2016	NA	4/24/2018
MW 7	Arsenic	10/1/2020	306	89.3	0.000	89.3	4/21/2016	NA	4/24/2018
MW 7	Arsenic	4/8/2021	181	89.3	12.165	89.3	4/21/2016	NA	4/24/2018
MW 7	Arsenic	10/29/2021	117	89.3	59.603	89.3	4/21/2016	NA	4/24/2018
MW 7	Arsenic	4/25/2022	104	89.3	68.369	89.3	4/21/2016	NA	4/24/2018
MW 7	Arsenic	10/17/2022	255	89.3	82.814	89.3	4/21/2016	NA	4/24/2018
MW 7	Arsenic	4/10/2023	158	89.3	78.130	89.3	4/21/2016	NA	4/24/2018
MW 7	Arsenic	10/27/2023	275	89.3	102.888	89.3	4/21/2016	NA	4/24/2018
MW 7	Arsenic	4/2/2024	167	89.3	143.347	89.3	4/21/2016	NA	4/24/2018
MW 7	Arsenic	10/10/2024	215	89.3	140.599	89.3	4/21/2016	NA	4/24/2018
MW 7	Arsenic	4/15/2025	608	89.3	81.634	89.3	4/21/2016	NA	4/24/2018
MW 7	Arsenic	10/6/2025	212	89.3	57.982	89.3	4/21/2016	NA	4/24/2018

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

KEY:

SSI

SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 7	Cobalt	4/21/2016	1	34.1	1.103	34.1	NA	NA	4/24/2018
MW 7	Cobalt	10/17/2016	3.5	34.1	1.336	34.1	NA	NA	4/24/2018
MW 7	Cobalt	4/21/2017	1.5	34.1	0.505	34.1	NA	NA	4/24/2018
MW 7	Cobalt	10/16/2017	0.8	12.4	0.247	12.4	NA	NA	4/24/2018
MW 7	Cobalt	4/24/2018	<0.8	12.4	0.604	12.4	NA	NA	4/24/2018
MW 7	Cobalt	10/25/2018	<0.8	12.4	0.907	12.4	NA	NA	4/24/2018
MW 7	Cobalt	4/15/2019	8.9	12.4	0.000	12.4	NA	NA	4/24/2018
MW 7	Cobalt	10/7/2019	0.8	12.4	0.000	12.4	NA	NA	4/24/2018
MW 7	Cobalt	4/22/2020	2.1	12.4	0.000	12.4	NA	NA	4/24/2018
MW 7	Cobalt	10/1/2020	4.3	7.8	0.000	12.4	NA	NA	4/24/2018
MW 7	Cobalt	4/8/2021	4.2	7.8	0.848	12.4	NA	NA	4/24/2018
MW 7	Cobalt	10/29/2021	1.6	7.8	1.402	12.4	NA	NA	4/24/2018
MW 7	Cobalt	4/25/2022	1.4	12.4	1.004	12.4	NA	NA	4/24/2018
MW 7	Cobalt	10/17/2022	4.8	12.4	0.940	12.4	NA	NA	4/24/2018
MW 7	Cobalt	4/10/2023	0.6	12.4	0.000	12.4	NA	NA	4/24/2018
MW 7	Cobalt	10/27/2023	3.9	12.4	0.328	12.4	NA	NA	4/24/2018
MW 7	Cobalt	4/2/2024	0.7	12.4	0.000	12.4	NA	NA	4/24/2018
MW 7	Cobalt	10/10/2024	3.8	12.4	0.076	12.4	NA	NA	4/24/2018
MW 7	Cobalt	4/15/2025	9.5	12.4	0.164	12.4	NA	NA	4/24/2018
MW 7	Cobalt	10/6/2025	3.7	12.4	0.101	12.4	NA	NA	4/24/2018

Table 7
Summary of Ongoing & Newly Identified SSI
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KEY:

SSI

SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 7	Copper	4/21/2016	<4.0	13.9	---	1,300.00	NA	NA	4/24/2018
MW 7	Copper	10/17/2016	<4.0	13.9	---	1,300.00	NA	NA	4/24/2018
MW 7	Copper	4/21/2017	<4.0	13.9	---	1,300.00	NA	NA	4/24/2018
MW 7	Copper	10/16/2017	<4.0	13.9	---	1,300.00	NA	NA	4/24/2018
MW 7	Copper	4/24/2018	10.1	13.9	0.000	1,300.00	NA	NA	4/24/2018
MW 7	Copper	10/25/2018	7.5	13.9	0.616	1,300.00	NA	NA	4/24/2018
MW 7	Copper	4/15/2019	<4.0	13.9	0.616	1,300.00	NA	NA	4/24/2018
MW 7	Copper	10/7/2019	<4.0	13.9	0.616	1,300.00	NA	NA	4/24/2018
MW 7	Copper	4/22/2020	<4.0	13.7	0.140	1,300.00	NA	NA	4/24/2018
MW 7	Copper	10/1/2020	<4.0	13.7	2.000	1,300.00	NA	NA	4/24/2018
MW 7	Copper	4/8/2021	<4.0	13.7	2.000	1,300.00	NA	NA	4/24/2018
MW 7	Copper	10/29/2021	<4.0	13.7	2.000	1,300.00	NA	NA	4/24/2018
MW 7	Copper	4/25/2022	<4.0	13.7	2.000	1,300.00	NA	NA	4/24/2018
MW 7	Copper	10/17/2022	<4.0	13.7	2.000	1,300.00	NA	NA	4/24/2018
MW 7	Copper	4/10/2023	<4.0	13.7	2.000	1,300.00	NA	NA	4/24/2018
MW 7	Copper	10/27/2023	<4.0	13.7	2.000	1,300.00	NA	NA	4/24/2018
MW 7	Copper	4/2/2024	<4.0	13.7	2.000	1,300.00	NA	NA	4/24/2018
MW 7	Copper	10/10/2024	<4.0	13.7	2.000	1,300.00	NA	NA	4/24/2018
MW 7	Copper	4/15/2025	<5.0	13.7	2.000	1,300.00	NA	NA	4/24/2018
MW 7	Copper	10/6/2025	<5.0	13.7	2.000	1,300.00	NA	NA	4/24/2018

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

KEY:

SSI

SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 7	1,1-dichloroethane	4/21/2016	<1.0	1.0	0.500	140	4/21/2016	NA	4/24/2018
MW 7	1,1-dichloroethane	10/17/2016	1.7	1.0	0.094	140	4/21/2016	NA	4/24/2018
MW 7	1,1-dichloroethane	4/21/2017	<1.0	1.0	0.094	140	4/21/2016	NA	4/24/2018
MW 7	1,1-dichloroethane	10/16/2017	<1.0	1.0	0.094	140	4/21/2016	NA	4/24/2018
MW 7	1,1-dichloroethane	4/24/2018	<1.0	1.0	0.094	140	4/21/2016	NA	4/24/2018
MW 7	1,1-dichloroethane	10/25/2018	<1.0	1.0	0.500	140	4/21/2016	NA	4/24/2018
MW 7	1,1-dichloroethane	4/15/2019	2.9	1.0	0.000	140	4/21/2016	NA	4/24/2018
MW 7	1,1-dichloroethane	10/7/2019	<1.0	1.0	0.000	140	4/21/2016	NA	4/24/2018
MW 7	1,1-dichloroethane	4/22/2020	1.7	1.0	0.049	140	4/21/2016	NA	4/24/2018
MW 7	1,1-dichloroethane	10/1/2020	<1.0	1.0	0.049	140	4/21/2016	NA	4/24/2018
MW 7	1,1-dichloroethane	4/8/2021	1.2	1.0	0.287	140	4/21/2016	NA	4/24/2018
MW 7	1,1-dichloroethane	10/29/2021	<1.0	1.0	0.287	140	4/21/2016	NA	4/24/2018
MW 7	1,1-dichloroethane	4/25/2022	1.0	1.0	0.381	140	4/21/2016	NA	4/24/2018
MW 7	1,1-dichloroethane	10/17/2022	<1.0	1.0	0.381	140	4/21/2016	NA	4/24/2018
MW 7	1,1-dichloroethane	4/10/2023	<1.0	1.0	0.331	140	4/21/2016	NA	4/24/2018
MW 7	1,1-dichloroethane	10/27/2023	<1.0	1.0	0.331	140	4/21/2016	NA	4/24/2018
MW 7	1,1-dichloroethane	4/2/2024	<1.0	1.0	0.500	140	4/21/2016	NA	4/24/2018
MW 7	1,1-dichloroethane	10/10/2024	<1.0	1.0	0.500	140	4/21/2016	NA	4/24/2018
MW 7	1,1-dichloroethane	4/15/2025	<1.0	1.0	0.500	140	4/21/2016	NA	4/24/2018
MW 7	1,1-dichloroethane	10/6/2025	<1.0	1.0	0.500	140	4/21/2016	NA	4/24/2018

Table 7
Summary of Ongoing & Newly Identified SSI
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Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

KEY:	SSI	SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 7	benzene	4/21/2016	<1.0	1.0	---	5	4/25/2022	NA	4/24/2018
MW 7	benzene	10/17/2016	<1.0	1.0	---	5	4/25/2022	NA	4/24/2018
MW 7	benzene	4/21/2017	<1.0	1.0	---	5	4/25/2022	NA	4/24/2018
MW 7	benzene	10/16/2017	<1.0	1.0	---	5	4/25/2022	NA	4/24/2018
MW 7	benzene	4/24/2018	<1.0	1.0	---	5	4/25/2022	NA	4/24/2018
MW 7	benzene	10/25/2018	<1.0	1.0	---	5	4/25/2022	NA	4/24/2018
MW 7	benzene	4/15/2019	<1.0	1.0	---	5	4/25/2022	NA	4/24/2018
MW 7	benzene	10/7/2019	<1.0	1.0	---	5	4/25/2022	NA	4/24/2018
MW 7	benzene	4/22/2020	<1.0	1.0	---	5	4/25/2022	NA	4/24/2018
MW 7	benzene	10/1/2020	<1.0	1.0	---	5	4/25/2022	NA	4/24/2018
MW 7	benzene	4/8/2021	<1.0	1.0	---	5	4/25/2022	NA	4/24/2018
MW 7	benzene	10/29/2021	<1.0	1.0	---	5	4/25/2022	NA	4/24/2018
MW 7	benzene	4/25/2022	1.4	1.0	0.196	5	4/25/2022	NA	4/24/2018
MW 7	benzene	10/17/2022	<1.0	1.0	0.196	5	4/25/2022	NA	4/24/2018
MW 7	benzene	4/10/2023	<1.0	1.0	0.196	5	4/25/2022	NA	4/24/2018
MW 7	benzene	10/27/2023	<1.0	1.0	0.196	5	4/25/2022	NA	4/24/2018
MW 7	benzene	4/2/2024	<1.0	1.0	0.500	5	4/25/2022	NA	4/24/2018
MW 7	benzene	10/10/2024	<1.0	1.0	0.500	5	4/25/2022	NA	4/24/2018
MW 7	benzene	4/15/2025	1.2	1.0	0.263	5	4/25/2022	NA	4/24/2018
MW 7	benzene	10/6/2025	<1.0	1.0	0.263	5	4/25/2022	NA	4/24/2018

Table 7

Summary of Ongoing & Newly Identified SSI

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Rural Iowa Sanitary Landfill

Permit No.42-SDP-01-72P

KEY:

SSI

SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 7	bis(2-ethylhexyl)phthalate	4/21/2016	NT	6.0	---	6	10/17/2022	NA	4/24/2018
MW 7	bis(2-ethylhexyl)phthalate	10/17/2016	NT	6.0	---	6	10/17/2022	NA	4/24/2018
MW 7	bis(2-ethylhexyl)phthalate	4/21/2017	NT	6.0	---	6	10/17/2022	NA	4/24/2018
MW 7	bis(2-ethylhexyl)phthalate	10/16/2017	<6.0	6.0	---	6	10/17/2022	NA	4/24/2018
MW 7	bis(2-ethylhexyl)phthalate	4/24/2018	NT	6.0	---	6	10/17/2022	NA	4/24/2018
MW 7	bis(2-ethylhexyl)phthalate	10/25/2018	NT	6.0	---	6	10/17/2022	NA	4/24/2018
MW 7	bis(2-ethylhexyl)phthalate	4/15/2019	NT	6.0	---	6	10/17/2022	NA	4/24/2018
MW 7	bis(2-ethylhexyl)phthalate	10/7/2019	NT	6.0	---	6	10/17/2022	NA	4/24/2018
MW 7	bis(2-ethylhexyl)phthalate	4/22/2020	NT	6.0	---	6	10/17/2022	NA	4/24/2018
MW 7	bis(2-ethylhexyl)phthalate	10/1/2020	NT	6.0	---	6	10/17/2022	NA	4/24/2018
MW 7	bis(2-ethylhexyl)phthalate	4/8/2021	NT	6.0	---	6	10/17/2022	NA	4/24/2018
MW 7	bis(2-ethylhexyl)phthalate	10/29/2021	NT	6.0	---	6	10/17/2022	NA	4/24/2018
MW 7	bis(2-ethylhexyl)phthalate	4/25/2022	NT	6.0	---	6	10/17/2022	NA	4/24/2018
MW 7	bis(2-ethylhexyl)phthalate	10/17/2022	9.0	6.0	3.647	6	10/17/2022	NA	4/24/2018
MW 7	bis(2-ethylhexyl)phthalate	4/10/2023	NT	6.0	---	6	10/17/2022	NA	4/24/2018
MW 7	bis(2-ethylhexyl)phthalate	10/27/2023	NT	6.0	---	6	10/17/2022	NA	4/24/2018
MW 7	bis(2-ethylhexyl)phthalate	4/2/2024	NT	6.0	---	6	10/17/2022	NA	4/24/2018
MW 7	bis(2-ethylhexyl)phthalate	10/10/2024	NT	6.0	---	6	10/17/2022	NA	4/24/2018
MW 7	bis(2-ethylhexyl)phthalate	4/15/2025	NT	6.0	---	6	10/17/2022	NA	4/24/2018
MW 7	bis(2-ethylhexyl)phthalate	10/6/2025	NT	6.0	---	6	10/17/2022	NA	4/24/2018

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Permit No.42-SDP-01-72P

KEY:

SSI

SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 7	chloroethane	4/21/2016	1.0	1.0	0.000	2,800.00	10/17/2016	NA	4/24/2018
MW 7	chloroethane	10/17/2016	13.5	1.0	0.000	2,800.00	10/17/2016	NA	4/24/2018
MW 7	chloroethane	4/21/2017	3.9	1.0	0.000	2,800.00	10/17/2016	NA	4/24/2018
MW 7	chloroethane	10/16/2017	4.4	1.0	0.000	2,800.00	10/17/2016	NA	4/24/2018
MW 7	chloroethane	4/24/2018	<1.0	1.0	0.000	2,800.00	10/17/2016	NA	4/24/2018
MW 7	chloroethane	10/25/2018	<1.0	1.0	0.000	2,800.00	10/17/2016	NA	4/24/2018
MW 7	chloroethane	4/15/2019	8.0	1.0	0.000	2,800.00	10/17/2016	NA	4/24/2018
MW 7	chloroethane	10/7/2019	<1.0	1.0	0.000	2,800.00	10/17/2016	NA	4/24/2018
MW 7	chloroethane	4/22/2020	5.1	1.0	0.000	2,800.00	10/17/2016	NA	4/24/2018
MW 7	chloroethane	10/1/2020	3.7	1.0	0.660	2,800.00	10/17/2016	NA	4/24/2018
MW 7	chloroethane	4/8/2021	6.8	1.0	0.884	2,800.00	10/17/2016	NA	4/24/2018
MW 7	chloroethane	10/29/2021	<1.0	1.0	0.884	2,800.00	10/17/2016	NA	4/24/2018
MW 7	chloroethane	4/25/2022	6.5	1.0	0.921	2,800.00	10/17/2016	NA	4/24/2018
MW 7	chloroethane	10/17/2022	2.6	1.0	0.490	2,800.00	10/17/2016	NA	4/24/2018
MW 7	chloroethane	4/10/2023	3.8	1.0	0.405	2,800.00	10/17/2016	NA	4/24/2018
MW 7	chloroethane	10/27/2023	1.6	1.0	1.135	2,800.00	10/17/2016	NA	4/24/2018
MW 7	chloroethane	4/2/2024	<1.0	1.0	0.469	2,800.00	10/17/2016	NA	4/24/2018
MW 7	chloroethane	10/10/2024	1.7	1.0	0.279	2,800.00	10/17/2016	NA	4/24/2018
MW 7	chloroethane	4/15/2025	4.5	1.0	0.069	2,800.00	10/17/2016	NA	4/24/2018
MW 7	chloroethane	10/6/2025	4.3	1.0	0.434	2,800.00	10/17/2016	NA	4/24/2018

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Permit No.42-SDP-01-72P

KEY:

SSI

SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 7	Cis-1,2DCE	4/21/2016	<1.0	1.0	0.500	70	NA	NA	4/24/2018
MW 7	Cis-1,2DCE	10/17/2016	1.0	1.0	0.331	70	NA	NA	4/24/2018
MW 7	Cis-1,2DCE	4/21/2017	<1.0	1.0	0.331	70	NA	NA	4/24/2018
MW 7	Cis-1,2DCE	10/16/2017	<1.0	1.0	0.331	70	NA	NA	4/24/2018
MW 7	Cis-1,2DCE	4/24/2018	<1.0	1.0	0.331	70	NA	NA	4/24/2018
MW 7	Cis-1,2DCE	10/25/2018	<1.0	1.0	0.500	70	NA	NA	4/24/2018
MW 7	Cis-1,2DCE	4/15/2019	<1.0	1.0	0.500	70	NA	NA	4/24/2018
MW 7	Cis-1,2DCE	10/7/2019	<1.0	1.0	0.500	70	NA	NA	4/24/2018
MW 7	Cis-1,2DCE	4/22/2020	<1.0	1.0	0.500	70	NA	NA	4/24/2018
MW 7	Cis-1,2DCE	10/1/2020	<1.0	1.0	0.500	70	NA	NA	4/24/2018
MW 7	Cis-1,2DCE	4/8/2021	<1.0	1.0	0.500	70	NA	NA	4/24/2018
MW 7	Cis-1,2DCE	10/29/2021	<1.0	1.0	0.500	70	NA	NA	4/24/2018
MW 7	Cis-1,2DCE	4/25/2022	<1.0	1.0	0.500	70	NA	NA	4/24/2018
MW 7	Cis-1,2DCE	10/17/2022	<1.0	1.0	0.500	70	NA	NA	4/24/2018
MW 7	Cis-1,2DCE	4/10/2023	<1.0	1.0	0.500	70	NA	NA	4/24/2018
MW 7	Cis-1,2DCE	10/27/2023	<1.0	1.0	0.500	70	NA	NA	4/24/2018
MW 7	Cis-1,2DCE	4/2/2024	<1.0	1.0	0.500	70	NA	NA	4/24/2018
MW 7	Cis-1,2DCE	10/10/2024	<1.0	1.0	0.500	70	NA	NA	4/24/2018
MW 7	Cis-1,2DCE	4/15/2025	<1.0	1.0	0.500	70	NA	NA	4/24/2018
MW 7	Cis-1,2DCE	10/6/2025	<1.0	1.0	0.500	70	NA	NA	4/24/2018

Table 7
Summary of Ongoing & Newly Identified SSI
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Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

KEY:	SSI	SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 7	Vinyl Chloride	4/21/2016	<1.0	1.0	0.500	2	10/17/2016	NA	4/24/2018
MW 7	Vinyl Chloride	10/17/2016	1.9	1.0	0.027	2	10/17/2016	NA	4/24/2018
MW 7	Vinyl Chloride	4/21/2017	<1.0	1.0	0.027	2	10/17/2016	NA	4/24/2018
MW 7	Vinyl Chloride	10/16/2017	<1.0	1.0	0.027	2	10/17/2016	NA	4/24/2018
MW 7	Vinyl Chloride	4/24/2018	<1.0	1.0	0.027	2	10/17/2016	NA	4/24/2018
MW 7	Vinyl Chloride	10/25/2018	<1.0	1.0	0.500	2	10/17/2016	NA	4/24/2018
MW 7	Vinyl Chloride	4/15/2019	<1.0	1.0	0.500	2	10/17/2016	NA	4/24/2018
MW 7	Vinyl Chloride	10/7/2019	<1.0	1.0	0.500	2	10/17/2016	NA	4/24/2018
MW 7	Vinyl Chloride	4/22/2020	<1.0	1.0	0.500	2	10/17/2016	NA	4/24/2018
MW 7	Vinyl Chloride	10/1/2020	<1.0	1.0	0.500	2	10/17/2016	NA	4/24/2018
MW 7	Vinyl Chloride	4/8/2021	<1.0	1.0	0.500	2	10/17/2016	NA	4/24/2018
MW 7	Vinyl Chloride	10/29/2021	<1.0	1.0	0.500	2	10/17/2016	NA	4/24/2018
MW 7	Vinyl Chloride	4/25/2022	<1.0	1.0	0.500	2	10/17/2016	NA	4/24/2018
MW 7	Vinyl Chloride	10/17/2022	<1.0	1.0	0.500	2	10/17/2016	NA	4/24/2018
MW 7	Vinyl Chloride	4/10/2023	<1.0	1.0	0.500	2	10/17/2016	NA	4/24/2018
MW 7	Vinyl Chloride	10/27/2023	<1.0	1.0	0.500	2	10/17/2016	NA	4/24/2018
MW 7	Vinyl Chloride	4/2/2024	<1.0	1.0	0.500	2	10/17/2016	NA	4/24/2018
MW 7	Vinyl Chloride	10/10/2024	<1.0	1.0	0.500	2	10/17/2016	NA	4/24/2018
MW 7	Vinyl Chloride	4/15/2025	<1.0	1.0	0.500	2	10/17/2016	NA	4/24/2018
MW 7	Vinyl Chloride	10/6/2025	<1.0	1.0	0.500	2	10/17/2016	NA	4/24/2018

Bold GWPS = A Site Specific GWPS that is equal to the Prediction Limit. All other GWPS are IAC 567-137 Statewide Standards for Protected Groundwater.

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 9	Arsenic	4/21/2016	<4.0	89.3	---	89.3	4/22/2020	NA	4/24/2018
MW 9	Arsenic	10/17/2016	12.3	89.3	---	89.3	4/22/2020	NA	4/24/2018
MW 9	Arsenic	4/21/2017	<4.0	89.3	---	89.3	4/22/2020	NA	4/24/2018
MW 9	Arsenic	10/16/2017	<4.0	89.3	0.115	89.3	4/22/2020	NA	4/24/2018
MW 9	Arsenic	4/24/2018	<4.0	89.3	0.115	89.3	4/22/2020	NA	4/24/2018
MW 9	Arsenic	10/25/2018	<4.0	89.3	2.000	89.3	4/22/2020	NA	4/24/2018
MW 9	Arsenic	4/15/2019	6.1	89.3	1.250	89.3	4/22/2020	NA	4/24/2018
MW 9	Arsenic	10/7/2019	6.6	89.3	1.993	89.3	4/22/2020	NA	4/24/2018
MW 9	Arsenic	4/22/2020	39.8	89.3	0.000	89.3	4/22/2020	NA	4/24/2018
MW 9	Arsenic	10/1/2020	19	89.3	4.203	89.3	4/22/2020	NA	4/24/2018
MW 9	Arsenic	4/8/2021	13.8	89.3	7.442	89.3	4/22/2020	NA	4/24/2018
MW 9	Arsenic	10/29/2021	5.2	89.3	6.709	89.3	4/22/2020	NA	4/24/2018
MW 9	Arsenic	4/25/2022	<4.0	89.3	3.246	89.3	4/22/2020	NA	4/24/2018
MW 9	Arsenic	10/17/2022	45.3	89.3	0.000	89.3	4/22/2020	NA	4/24/2018
MW 9	Arsenic	4/10/2023	82.4	89.3	0.000	89.3	4/22/2020	NA	4/24/2018
MW 9	Arsenic	10/27/2023	106.0	89.3	5.479	89.3	4/22/2020	NA	4/24/2018
MW 9	Arsenic	4/2/2024	<4.0	89.3	5.479	89.3	4/22/2020	NA	4/24/2018
MW 9	Arsenic	10/10/2024	14.3	89.3	0.000	89.3	4/22/2020	NA	4/24/2018
MW 9	Arsenic	4/15/2025	4.1	89.3	0.000	89.3	4/22/2020	NA	4/24/2018
MW 9	Arsenic	10/6/2025	5.7	89.3	0.173	89.3	4/22/2020	NA	4/24/2018

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SSI

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 9	Cobalt	4/21/2016	<0.8	34.1	---	34.1	4/22/2020	NA	4/24/2018
MW 9	Cobalt	10/17/2016	12	34.1	---	34.1	4/22/2020	NA	4/24/2018
MW 9	Cobalt	4/21/2017	<0.8	34.1	---	34.1	4/22/2020	NA	4/24/2018
MW 9	Cobalt	10/16/2017	7.8	12.4	---	12.4	4/22/2020	NA	4/24/2018
MW 9	Cobalt	4/24/2018	2.4	12.4	---	12.4	4/22/2020	NA	4/24/2018
MW 9	Cobalt	10/25/2018	<0.8	12.4	---	12.4	4/22/2020	NA	4/24/2018
MW 9	Cobalt	4/15/2019	11.3	12.4	---	12.4	4/22/2020	NA	4/24/2018
MW 9	Cobalt	10/7/2019	10.4	12.4	---	12.4	4/22/2020	NA	4/24/2018
MW 9	Cobalt	4/22/2020	16.9	12.4	1.675	12.4	4/22/2020	NA	4/24/2018
MW 9	Cobalt	10/1/2020	10.2	7.8	8.472	12.4	4/22/2020	NA	4/24/2018
MW 9	Cobalt	4/8/2021	8.6	7.8	7.205	12.4	4/22/2020	NA	4/24/2018
MW 9	Cobalt	10/29/2021	7.1	7.8	5.615	12.4	4/22/2020	NA	4/24/2018
MW 9	Cobalt	4/25/2022	0.6	7.8	1.671	12.4	4/22/2020	NA	4/24/2018
MW 9	Cobalt	10/17/2022	9.5	12.4	1.717	12.4	4/22/2020	NA	4/24/2018
MW 9	Cobalt	4/10/2023	9.1	12.4	1.729	12.4	4/22/2020	NA	4/24/2018
MW 9	Cobalt	10/27/2023	9.6	12.4	2.018	12.4	4/22/2020	NA	4/24/2018
MW 9	Cobalt	4/2/2024	<0.4	12.4	1.851	12.4	4/22/2020	NA	4/24/2018
MW 9	Cobalt	10/10/2024	6.6	12.4	1.454	12.4	4/22/2020	NA	4/24/2018
MW 9	Cobalt	4/15/2025	<0.5	12.4	0.000	12.4	4/22/2020	NA	4/24/2018
MW 9	Cobalt	10/6/2025	5.2	12.4	0.000	12.4	4/22/2020	NA	4/24/2018

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 9	Nickel	4/21/2016	4.3	31.6	---	100	10/1/2020	NA	4/24/2018
MW 9	Nickel	10/17/2016	16.1	31.6	---	100	10/1/2020	NA	4/24/2018
MW 9	Nickel	4/21/2017	7.7	31.6	---	100	10/1/2020	NA	4/24/2018
MW 9	Nickel	10/16/2017	12.3	31.6	---	100	10/1/2020	NA	4/24/2018
MW 9	Nickel	4/24/2018	11.3	31.6	---	100	10/1/2020	NA	4/24/2018
MW 9	Nickel	10/25/2018	5.9	31.6	---	100	10/1/2020	NA	4/24/2018
MW 9	Nickel	4/15/2019	12.6	31.6	---	100	10/1/2020	NA	4/24/2018
MW 9	Nickel	10/7/2019	22.6	31.6	---	100	10/1/2020	NA	4/24/2018
MW 9	Nickel	4/22/2020	20.4	31.6	6.393	100	10/1/2020	NA	4/24/2018
MW 9	Nickel	10/1/2020	22.3	20.5	13.963	100	10/1/2020	NA	4/24/2018
MW 9	Nickel	4/8/2021	18.6	20.5	18.788	100	10/1/2020	NA	4/24/2018
MW 9	Nickel	10/29/2021	15.1	20.5	15.495	100	10/1/2020	NA	4/24/2018
MW 9	Nickel	4/25/2022	6.2	22.1	7.443	100	10/1/2020	NA	4/24/2018
MW 9	Nickel	10/17/2022	16.1	22.1	7.643	100	10/1/2020	NA	4/24/2018
MW 9	Nickel	4/10/2023	15.3	22.1	7.682	100	10/1/2020	NA	4/24/2018
MW 9	Nickel	10/27/2023	19.6	31.6	7.579	100	10/1/2020	NA	4/24/2018
MW 9	Nickel	4/2/2024	19.7	31.6	14.965	100	10/1/2020	NA	4/24/2018
MW 9	Nickel	10/10/2024	16.1	31.6	14.965	100	10/1/2020	NA	4/24/2018
MW 9	Nickel	4/15/2025	6.7	31.6	8.330	100	10/1/2020	NA	4/24/2018
MW 9	Nickel	10/6/2025	19.6	31.6	8.330	100	10/1/2020	NA	4/24/2018

Table 7

Summary of Ongoing & Newly Identified SSI

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Rural Iowa Sanitary Landfill

Permit No.42-SDP-01-72P

KEY:

SSI

SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 9	1,1-dichloroethane	4/21/2016	<1.0	1.0	0.500	140	10/16/2017	NA	4/24/2018
MW 9	1,1-dichloroethane	10/17/2016	<1.0	1.0	0.500	140	10/16/2017	NA	4/24/2018
MW 9	1,1-dichloroethane	4/21/2017	<1.0	1.0	0.500	140	10/16/2017	NA	4/24/2018
MW 9	1,1-dichloroethane	10/16/2017	1.2	1.0	0.263	140	10/16/2017	NA	4/24/2018
MW 9	1,1-dichloroethane	4/24/2018	<1.0	1.0	0.263	140	10/16/2017	NA	4/24/2018
MW 9	1,1-dichloroethane	10/25/2018	<1.0	1.0	0.263	140	10/16/2017	NA	4/24/2018
MW 9	1,1-dichloroethane	4/15/2019	<1.0	1.0	0.263	140	10/16/2017	NA	4/24/2018
MW 9	1,1-dichloroethane	10/7/2019	<1.0	1.0	0.500	140	10/16/2017	NA	4/24/2018
MW 9	1,1-dichloroethane	4/22/2020	<1.0	1.0	0.500	140	10/16/2017	NA	4/24/2018
MW 9	1,1-dichloroethane	10/1/2020	<1.0	1.0	0.500	140	10/16/2017	NA	4/24/2018
MW 9	1,1-dichloroethane	4/8/2021	<1.0	1.0	0.500	140	10/16/2017	NA	4/24/2018
MW 9	1,1-dichloroethane	10/29/2021	<1.0	1.0	0.500	140	10/16/2017	NA	4/24/2018
MW 9	1,1-dichloroethane	4/25/2022	<1.0	1.0	0.500	140	10/16/2017	NA	4/24/2018
MW 9	1,1-dichloroethane	10/17/2022	<1.0	1.0	0.500	140	10/16/2017	NA	4/24/2018
MW 9	1,1-dichloroethane	4/10/2023	<1.0	1.0	0.500	140	10/16/2017	NA	4/24/2018
MW 9	1,1-dichloroethane	10/27/2023	1.2	1.0	0.263	140	10/16/2017	NA	4/24/2018
MW 9	1,1-dichloroethane	4/2/2024	<1.0	1.0	0.263	140	10/16/2017	NA	4/24/2018
MW 9	1,1-dichloroethane	10/10/2024	<1.0	1.0	0.263	140	10/16/2017	NA	4/24/2018
MW 9	1,1-dichloroethane	4/15/2025	<1.0	1.0	0.263	140	10/16/2017	NA	4/24/2018
MW 9	1,1-dichloroethane	10/6/2025	<1.0	1.0	0.500	140	10/16/2017	NA	4/24/2018

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SSI

SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 9	benzene	4/21/2016	<1.0	1.0	0.500	5	4/25/2022	NA	4/24/2018
MW 9	benzene	10/17/2016	<1.0	1.0	0.500	5	4/25/2022	NA	4/24/2018
MW 9	benzene	4/21/2017	<1.0	1.0	0.500	5	4/25/2022	NA	4/24/2018
MW 9	benzene	10/16/2017	<1.0	1.0	0.500	5	4/25/2022	NA	4/24/2018
MW 9	benzene	4/24/2018	<1.0	1.0	0.500	5	4/25/2022	NA	4/24/2018
MW 9	benzene	10/25/2018	<1.0	1.0	0.500	5	4/25/2022	NA	4/24/2018
MW 9	benzene	4/15/2019	<1.0	1.0	0.500	5	4/25/2022	NA	4/24/2018
MW 9	benzene	10/7/2019	<1.0	1.0	0.500	5	4/25/2022	NA	4/24/2018
MW 9	benzene	4/22/2020	<1.0	1.0	0.500	5	4/25/2022	NA	4/24/2018
MW 9	benzene	10/1/2020	<1.0	1.0	0.500	5	4/25/2022	NA	4/24/2018
MW 9	benzene	4/8/2021	<1.0	1.0	0.500	5	4/25/2022	NA	4/24/2018
MW 9	benzene	10/29/2021	<1.0	1.0	0.500	5	4/25/2022	NA	4/24/2018
MW 9	benzene	4/25/2022	<1.0	1.0	0.500	5	4/25/2022	NA	4/24/2018
MW 9	benzene	10/17/2022	1.0	1.0	0.331	5	4/25/2022	NA	4/24/2018
MW 9	benzene	4/10/2023	<1.0	1.0	0.331	5	4/25/2022	NA	4/24/2018
MW 9	benzene	10/27/2023	<1.0	1.0	0.331	5	4/25/2022	NA	4/24/2018
MW 9	benzene	4/2/2024	<1.0	1.0	0.331	5	4/25/2022	NA	4/24/2018
MW 9	benzene	10/10/2024	<1.0	1.0	0.500	5	4/25/2022	NA	4/24/2018
MW 9	benzene	4/15/2025	<1.0	1.0	0.500	5	4/25/2022	NA	4/24/2018
MW 9	benzene	10/6/2025	<1.0	1.0	0.500	5	4/25/2022	NA	4/24/2018

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Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

KEY:	SSI	SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 9	chloroethane	4/21/2016	<1.0	1.0	0.500	2,800.00	10/16/2017	NA	4/24/2018
MW 9	chloroethane	10/17/2016	1.0	1.0	0.331	2,800.00	10/16/2017	NA	4/24/2018
MW 9	chloroethane	4/21/2017	<1.0	1.0	0.331	2,800.00	10/16/2017	NA	4/24/2018
MW 9	chloroethane	10/16/2017	2.0	1.0	0.168	2,800.00	10/16/2017	NA	4/24/2018
MW 9	chloroethane	4/24/2018	<1.0	1.0	0.168	2,800.00	10/16/2017	NA	4/24/2018
MW 9	chloroethane	10/25/2018	<1.0	1.0	0.000	2,800.00	10/16/2017	NA	4/24/2018
MW 9	chloroethane	4/15/2019	<1.0	1.0	0.000	2,800.00	10/16/2017	NA	4/24/2018
MW 9	chloroethane	10/7/2019	2.0	1.0	0.000	2,800.00	10/16/2017	NA	4/24/2018
MW 9	chloroethane	4/22/2020	<1.0	1.0	0.000	2,800.00	10/16/2017	NA	4/24/2018
MW 9	chloroethane	10/1/2020	1.2	1.0	0.210	2,800.00	10/16/2017	NA	4/24/2018
MW 9	chloroethane	4/8/2021	<1.0	1.0	0.210	2,800.00	10/16/2017	NA	4/24/2018
MW 9	chloroethane	10/29/2021	<1.0	1.0	0.263	2,800.00	10/16/2017	NA	4/24/2018
MW 9	chloroethane	4/25/2022	<1.0	1.0	0.263	2,800.00	10/16/2017	NA	4/24/2018
MW 9	chloroethane	10/17/2022	<1.0	1.0	0.500	2,800.00	10/16/2017	NA	4/24/2018
MW 9	chloroethane	4/10/2023	<1.0	1.0	0.500	2,800.00	10/16/2017	NA	4/24/2018
MW 9	chloroethane	10/27/2023	<1.0	1.0	0.500	2,800.00	10/16/2017	NA	4/24/2018
MW 9	chloroethane	4/2/2024	<1.0	1.0	0.500	2,800.00	10/16/2017	NA	4/24/2018
MW 9	chloroethane	10/10/2024	<1.0	1.0	0.500	2,800.00	10/16/2017	NA	4/24/2018
MW 9	chloroethane	4/15/2025	<1.0	1.0	0.500	2,800.00	10/16/2017	NA	4/24/2018
MW 9	chloroethane	10/6/2025	<1.0	1.0	0.500	2,800.00	10/16/2017	NA	4/24/2018

Bold GWPS = A Site Specific GWPS that is equal to the Prediction Limit. All other GWPS are IAC 567-137 Statewide Standards for Protected Groundwater.

Table 7

KEY:

SSI

SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 14	Arsenic	4/21/2016	<4	89.3	2.000	89.3	10/10/2024	NA	4/24/2018
MW 14	Arsenic	10/17/2016	<4	89.3	2.000	89.3	10/10/2024	NA	4/24/2018
MW 14	Arsenic	4/21/2017	<4	89.3	2.000	89.3	10/10/2024	NA	4/24/2018
MW 14	Arsenic	10/16/2017	14.8	89.3	0.000	89.3	10/10/2024	NA	4/24/2018
MW 14	Arsenic	4/24/2018	<4	89.3	0.000	89.3	10/10/2024	NA	4/24/2018
MW 14	Arsenic	10/25/2018	<4	89.3	0.000	89.3	10/10/2024	NA	4/24/2018
MW 14	Arsenic	4/15/2019	<4	89.3	0.000	89.3	10/10/2024	NA	4/24/2018
MW 14	Arsenic	10/7/2019	<4	89.3	2.000	89.3	10/10/2024	NA	4/24/2018
MW 14	Arsenic	4/22/2020	<4	89.3	2.000	89.3	10/10/2024	NA	4/24/2018
MW 14	Arsenic	10/1/2020	6.7	89.3	0.411	89.3	10/10/2024	NA	4/24/2018
MW 14	Arsenic	4/8/2021	8.0	89.3	0.988	89.3	10/10/2024	NA	4/24/2018
MW 14	Arsenic	10/29/2021	44.3	89.3	0.000	89.3	10/10/2024	NA	4/24/2018
MW 14	Arsenic	4/25/2022	4.3	89.3	0.000	89.3	10/10/2024	NA	4/24/2018
MW 14	Arsenic	10/17/2022	65.4	89.3	0.000	89.3	10/10/2024	NA	4/24/2018
MW 14	Arsenic	4/10/2023	66.8	89.3	10.918	89.3	10/10/2024	NA	4/24/2018
MW 14	Arsenic	10/27/2023	71.4	89.3	14.467	89.3	10/10/2024	NA	4/24/2018
MW 14	Arsenic	4/2/2024	46.1	89.3	49.273	89.3	10/10/2024	NA	4/24/2018
MW 14	Arsenic	10/10/2024	91.9	89.3	46.945	89.3	10/10/2024	NA	4/24/2018
MW 14	Arsenic	4/15/2025	58.6	89.3	44.002	89.3	10/10/2024	NA	4/24/2018
MW 14	Arsenic	10/6/2025	73.9	89.3	44.361	89.3	10/10/2024	NA	4/24/2018

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 14	Barium	4/21/2016	575	571.69	606.816	2,000.00	4/21/2016	NA	4/24/2018
MW 14	Barium	10/17/2016	592	571.69	547.635	2,000.00	4/21/2016	NA	4/24/2018
MW 14	Barium	4/21/2017	587	571.69	522.011	2,000.00	4/21/2016	NA	4/24/2018
MW 14	Barium	10/16/2017	818	571.69	505.510	2,000.00	4/21/2016	NA	4/24/2018
MW 14	Barium	4/24/2018	647	571.69	574.708	2,000.00	4/21/2016	NA	4/24/2018
MW 14	Barium	10/25/2018	547	571.69	547.154	2,000.00	4/21/2016	NA	4/24/2018
MW 14	Barium	4/15/2019	707	1019.23	562.977	2,000.00	4/21/2016	NA	4/24/2018
MW 14	Barium	10/7/2019	658	608.7165	560.811	2,000.00	4/21/2016	NA	4/24/2018
MW 14	Barium	4/22/2020	558	602.3	525.979	2,000.00	4/21/2016	NA	4/24/2018
MW 14	Barium	10/1/2020	638	595.6	567.292	2,000.00	4/21/2016	NA	4/24/2018
MW 14	Barium	4/8/2021	649	636.93	571.757	2,000.00	4/21/2016	NA	4/24/2018
MW 14	Barium	10/29/2021	674	1880.00	570.760	2,000.00	4/21/2016	NA	4/24/2018
MW 14	Barium	4/25/2022	503	1880.00	525.632	2,000.00	4/21/2016	NA	4/24/2018
MW 14	Barium	10/17/2022	588	1880.00	513.965	2,000.00	4/21/2016	NA	4/24/2018
MW 14	Barium	4/10/2023	719	1880.00	508.531	2,000.00	4/21/2016	NA	4/24/2018
MW 14	Barium	10/27/2023	665	1880.00	508.127	2,000.00	4/21/2016	NA	4/24/2018
MW 14	Barium	4/2/2024	812	1880.00	585.216	2,000.00	4/21/2016	NA	4/24/2018
MW 14	Barium	10/10/2024	575	1880.00	556.342	2,000.00	4/21/2016	NA	4/24/2018
MW 14	Barium	4/15/2025	742	1880.00	610.255	2,000.00	4/21/2016	NA	4/24/2018
MW 14	Barium	10/6/2025	650	1880.00	604.857	2,000.00	4/21/2016	NA	4/24/2018

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 14	Cobalt	4/21/2016	1.4	34.1	0.000	34.1	10/16/2017	NA	4/24/2018
MW 14	Cobalt	10/17/2016	16.3	34.1	0.000	34.1	10/16/2017	NA	4/24/2018
MW 14	Cobalt	4/21/2017	7.7	34.1	0.000	34.1	10/16/2017	NA	4/24/2018
MW 14	Cobalt	10/16/2017	16.0	12.4	3.781	12.4	10/16/2017	NA	4/24/2018
MW 14	Cobalt	4/24/2018	16.9	12.4	7.889	12.4	10/16/2017	NA	4/24/2018
MW 14	Cobalt	10/25/2018	4.2	12.4	5.234	12.4	10/16/2017	NA	4/24/2018
MW 14	Cobalt	4/15/2019	27.3	12.4	3.416	12.4	10/16/2017	NA	4/24/2018
MW 14	Cobalt	10/7/2019	10.0	12.4	2.918	12.4	10/16/2017	NA	4/24/2018
MW 14	Cobalt	4/22/2020	6.9	12.4	0.000	12.4	10/16/2017	NA	4/24/2018
MW 14	Cobalt	10/1/2020	11.5	7.8	3.197	12.4	10/16/2017	NA	4/24/2018
MW 14	Cobalt	4/8/2021	21.2	7.8	5.141	12.4	10/16/2017	NA	4/24/2018
MW 14	Cobalt	10/29/2021	14.4	7.8	6.453	12.4	10/16/2017	NA	4/24/2018
MW 14	Cobalt	4/25/2022	13.1	12.4	10.029	12.4	10/16/2017	NA	4/24/2018
MW 14	Cobalt	10/17/2022	13.1	12.4	10.884	12.4	10/16/2017	NA	4/24/2018
MW 14	Cobalt	4/10/2023	14.8	12.4	12.813	12.4	10/16/2017	NA	4/24/2018
MW 14	Cobalt	10/27/2023	16.4	12.4	12.486	12.4	10/16/2017	NA	4/24/2018
MW 14	Cobalt	4/2/2024	20.8	12.4	12.389	12.4	10/16/2017	NA	4/24/2018
MW 14	Cobalt	10/10/2024	9.9	12.4	10.182	12.4	10/16/2017	NA	4/24/2018
MW 14	Cobalt	4/15/2025	14.3	12.4	10.019	12.4	10/16/2017	NA	4/24/2018
MW 14	Cobalt	10/6/2025	10.3	12.4	7.877	12.4	10/16/2017	NA	4/24/2018

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 14	Nickel	4/21/2016	43.6	31.6	24.761	100	4/21/2016	NA	4/24/2018
MW 14	Nickel	10/17/2016	24.7	31.6	21.308	100	4/21/2016	NA	4/24/2018
MW 14	Nickel	4/21/2017	33.0	31.6	20.899	100	4/21/2016	NA	4/24/2018
MW 14	Nickel	10/16/2017	19.3	31.6	19.096	100	4/21/2016	NA	4/24/2018
MW 14	Nickel	4/24/2018	22.1	31.6	18.093	100	4/21/2016	NA	4/24/2018
MW 14	Nickel	10/25/2018	19.5	31.6	18.081	100	4/21/2016	NA	4/24/2018
MW 14	Nickel	4/15/2019	31.2	31.6	16.441	100	4/21/2016	NA	4/24/2018
MW 14	Nickel	10/7/2019	14.0	31.6	13.257	100	4/21/2016	NA	4/24/2018
MW 14	Nickel	4/22/2020	23.4	31.6	13.520	100	4/21/2016	NA	4/24/2018
MW 14	Nickel	10/1/2020	10.3	20.5	8.632	100	4/21/2016	NA	4/24/2018
MW 14	Nickel	4/8/2021	22.7	20.5	9.980	100	4/21/2016	NA	4/24/2018
MW 14	Nickel	10/29/2021	18.1	20.5	11.535	100	4/21/2016	NA	4/24/2018
MW 14	Nickel	4/25/2022	19.1	22.1	11.408	100	4/21/2016	NA	4/24/2018
MW 14	Nickel	10/17/2022	16.4	22.1	15.945	100	4/21/2016	NA	4/24/2018
MW 14	Nickel	4/10/2023	19.2	22.1	16.672	100	4/21/2016	NA	4/24/2018
MW 14	Nickel	10/27/2023	22.8	31.6	16.268	100	4/21/2016	NA	4/24/2018
MW 14	Nickel	4/2/2024	30.8	31.6	14.957	100	4/21/2016	NA	4/24/2018
MW 14	Nickel	10/10/2024	7.7	31.6	8.835	100	4/21/2016	NA	4/24/2018
MW 14	Nickel	4/15/2025	17.9	31.6	8.436	100	4/21/2016	NA	4/24/2018
MW 14	Nickel	10/6/2025	14.4	31.6	6.285	100	4/21/2016	NA	4/24/2018

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SSI

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 14	1,1-dichloroethane	4/21/2016	1.3	1	1.213	140	4/21/2016	NA	4/24/2018
MW 14	1,1-dichloroethane	10/17/2016	2.5	1	1.342	140	4/21/2016	NA	4/24/2018
MW 14	1,1-dichloroethane	4/21/2017	<1.0	1	0.557	140	4/21/2016	NA	4/24/2018
MW 14	1,1-dichloroethane	10/16/2017	<1.0	1	0.088	140	4/21/2016	NA	4/24/2018
MW 14	1,1-dichloroethane	4/24/2018	<1.0	1	0.000	140	4/21/2016	NA	4/24/2018
MW 14	1,1-dichloroethane	10/25/2018	<1.0	1	0.500	140	4/21/2016	NA	4/24/2018
MW 14	1,1-dichloroethane	4/15/2019	<1.0	1	0.500	140	4/21/2016	NA	4/24/2018
MW 14	1,1-dichloroethane	10/7/2019	<1.0	1	0.500	140	4/21/2016	NA	4/24/2018
MW 14	1,1-dichloroethane	4/22/2020	<1.0	1	0.500	140	4/21/2016	NA	4/24/2018
MW 14	1,1-dichloroethane	10/1/2020	3.9	1	0.000	140	4/21/2016	NA	4/24/2018
MW 14	1,1-dichloroethane	4/8/2021	2.4	1	0.000	140	4/21/2016	NA	4/24/2018
MW 14	1,1-dichloroethane	10/29/2021	1.8	1	0.491	140	4/21/2016	NA	4/24/2018
MW 14	1,1-dichloroethane	4/25/2022	<1.0	1	0.491	140	4/21/2016	NA	4/24/2018
MW 14	1,1-dichloroethane	10/17/2022	<1.0	1	0.176	140	4/21/2016	NA	4/24/2018
MW 14	1,1-dichloroethane	4/10/2023	<1.0	1	0.060	140	4/21/2016	NA	4/24/2018
MW 14	1,1-dichloroethane	10/27/2023	<1.0	1	5.000	140	4/21/2016	NA	4/24/2018
MW 14	1,1-dichloroethane	4/2/2024	<1.0	1	5.000	140	4/21/2016	NA	4/24/2018
MW 14	1,1-dichloroethane	10/10/2024	<1.0	1	5.000	140	4/21/2016	NA	4/24/2018
MW 14	1,1-dichloroethane	4/15/2025	<1.0	1	5.000	140	4/21/2016	NA	4/24/2018
MW 14	1,1-dichloroethane	10/6/2025	<1.0	1	5.000	140	4/21/2016	NA	4/24/2018

Table 7
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KEY:

SSI

SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 14	1,4-DCB	4/21/2016	<1.0	1	0.412	75	10/16/2017	NA	4/24/2018
MW 14	1,4-DCB	10/17/2016	1.0	1	0.355	75	10/16/2017	NA	4/24/2018
MW 14	1,4-DCB	4/21/2017	<1.0	1	0.138	75	10/16/2017	NA	4/24/2018
MW 14	1,4-DCB	10/16/2017	1.6	1	0.285	75	10/16/2017	NA	4/24/2018
MW 14	1,4-DCB	4/24/2018	<1.0	1	0.285	75	10/16/2017	NA	4/24/2018
MW 14	1,4-DCB	10/25/2018	<1.0	1	0.128	75	10/16/2017	NA	4/24/2018
MW 14	1,4-DCB	4/15/2019	<1.0	1	0.128	75	10/16/2017	NA	4/24/2018
MW 14	1,4-DCB	10/7/2019	<1.0	1	0.500	75	10/16/2017	NA	4/24/2018
MW 14	1,4-DCB	4/22/2020	<1.0	1	0.500	75	10/16/2017	NA	4/24/2018
MW 14	1,4-DCB	10/1/2020	1.8	1	0.060	75	10/16/2017	NA	4/24/2018
MW 14	1,4-DCB	4/8/2021	1.9	1	0.257	75	10/16/2017	NA	4/24/2018
MW 14	1,4-DCB	10/29/2021	3.2	1	0.553	75	10/16/2017	NA	4/24/2018
MW 14	1,4-DCB	4/25/2022	1.7	1	1.321	75	10/16/2017	NA	4/24/2018
MW 14	1,4-DCB	10/17/2022	2.4	1	1.514	75	10/16/2017	NA	4/24/2018
MW 14	1,4-DCB	4/10/2023	1.8	1	1.464	75	10/16/2017	NA	4/24/2018
MW 14	1,4-DCB	10/27/2023	2.4	1	1.631	75	10/16/2017	NA	4/24/2018
MW 14	1,4-DCB	4/2/2024	3.6	1	1.662	75	10/16/2017	NA	4/24/2018
MW 14	1,4-DCB	10/10/2024	3.3	1	1.803	75	10/16/2017	NA	4/24/2018
MW 14	1,4-DCB	4/15/2025	<1.0	1	0.807	75	10/16/2017	NA	4/24/2018
MW 14	1,4-DCB	10/6/2025	2.4	1	0.807	75	10/16/2017	NA	4/24/2018

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SSI

SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 14	Benzene	4/21/2016	<1.0	1	0.331	5	10/16/2017	NA	4/24/2018
MW 14	Benzene	10/17/2016	<1.0	1	0.500	5	10/16/2017	NA	4/24/2018
MW 14	Benzene	4/21/2017	<1.0	1	0.500	5	10/16/2017	NA	4/24/2018
MW 14	Benzene	10/16/2017	2.5	1	0.000	5	10/16/2017	NA	4/24/2018
MW 14	Benzene	4/24/2018	<1.0	1	0.000	5	10/16/2017	NA	4/24/2018
MW 14	Benzene	10/25/2018	<1.0	1	0.000	5	10/16/2017	NA	4/24/2018
MW 14	Benzene	4/15/2019	1.9	1	0.160	5	10/16/2017	NA	4/24/2018
MW 14	Benzene	10/7/2019	<1.0	1	0.027	5	10/16/2017	NA	4/24/2018
MW 14	Benzene	4/22/2020	<1.0	1	0.027	5	10/16/2017	NA	4/24/2018
MW 14	Benzene	10/1/2020	<1.0	1	0.027	5	10/16/2017	NA	4/24/2018
MW 14	Benzene	4/8/2021	<1.0	1	0.500	5	10/16/2017	NA	4/24/2018
MW 14	Benzene	10/29/2021	2.0	1	0.000	5	10/16/2017	NA	4/24/2018
MW 14	Benzene	4/25/2022	<1.0	1	0.000	5	10/16/2017	NA	4/24/2018
MW 14	Benzene	10/17/2022	1.4	1	0.236	5	10/16/2017	NA	4/24/2018
MW 14	Benzene	4/10/2023	1.1	1	0.515	5	10/16/2017	NA	4/24/2018
MW 14	Benzene	10/27/2023	1.2	1	0.594	5	10/16/2017	NA	4/24/2018
MW 14	Benzene	4/2/2024	2.6	1	0.758	5	10/16/2017	NA	4/24/2018
MW 14	Benzene	10/10/2024	1.6	1	0.819	5	10/16/2017	NA	4/24/2018
MW 14	Benzene	4/15/2025	<1.0	1	0.443	5	10/16/2017	NA	4/24/2018
MW 14	Benzene	10/6/2025	<1.0	1	0.112	5	10/16/2017	NA	4/24/2018

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SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 14	Bis(2-ethylhexyl)phthalate	4/21/2016	<10.0	6	---	6	10/16/2017	NA	4/24/2018
MW 14	Bis(2-ethylhexyl)phthalate	10/17/2016	<10.0	6	---	6	10/16/2017	NA	4/24/2018
MW 14	Bis(2-ethylhexyl)phthalate	4/21/2017	<10.0	6	---	6	10/16/2017	NA	4/24/2018
MW 14	Bis(2-ethylhexyl)phthalate	10/16/2017	18.0	6	---	6	10/16/2017	NA	4/24/2018
MW 14	Bis(2-ethylhexyl)phthalate	4/24/2018	<6.0	6	---	6	10/16/2017	NA	4/24/2018
MW 14	Bis(2-ethylhexyl)phthalate	10/25/2018	<6.0	6	---	6	10/16/2017	NA	4/24/2018
MW 14	Bis(2-ethylhexyl)phthalate	4/15/2019	---	6	---	6	10/16/2017	NA	4/24/2018
MW 14	Bis(2-ethylhexyl)phthalate	10/7/2019	---	6	---	6	10/16/2017	NA	4/24/2018
MW 14	Bis(2-ethylhexyl)phthalate	4/22/2020	---	6	---	6	10/16/2017	NA	4/24/2018
MW 14	Bis(2-ethylhexyl)phthalate	10/1/2020	---	6	---	6	10/16/2017	NA	4/24/2018
MW 14	Bis(2-ethylhexyl)phthalate	4/8/2021	---	6	---	6	10/16/2017	NA	4/24/2018
MW 14	Bis(2-ethylhexyl)phthalate	10/29/2021	---	6	---	6	10/16/2017	NA	4/24/2018
MW 14	Bis(2-ethylhexyl)phthalate	4/25/2022	---	6	---	6	10/16/2017	NA	4/24/2018
MW 14	Bis(2-ethylhexyl)phthalate	10/17/2022	11.0	6	2.490	6	10/16/2017	NA	4/24/2018
MW 14	Bis(2-ethylhexyl)phthalate	4/10/2023	---	6	---	6	10/16/2017	NA	4/24/2018
MW 14	Bis(2-ethylhexyl)phthalate	10/27/2023	---	6	---	6	10/16/2017	NA	4/24/2018
MW 14	Bis(2-ethylhexyl)phthalate	4/2/2024	---	6	---	6	10/16/2017	NA	4/24/2018
MW 14	Bis(2-ethylhexyl)phthalate	10/10/2024	---	6	---	6	10/16/2017	NA	4/24/2018
MW 14	Bis(2-ethylhexyl)phthalate	4/15/2025	---	6	---	6	10/16/2017	NA	4/24/2018
MW 14	Bis(2-ethylhexyl)phthalate	10/6/2025	---	6	---	6	10/16/2017	NA	4/24/2018

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SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 14	chloroethane	4/21/2016	<1.0	1	0.500	2800	10/7/2019	NA	4/24/2018
MW 14	chloroethane	10/17/2016	<1.0	1	0.500	2800	10/7/2019	NA	4/24/2018
MW 14	chloroethane	4/21/2017	<1.0	1	0.500	2800	10/7/2019	NA	4/24/2018
MW 14	chloroethane	10/16/2017	<1.0	1	0.500	2800	10/7/2019	NA	4/24/2018
MW 14	chloroethane	4/24/2018	<1.0	1	0.500	2800	10/7/2019	NA	4/24/2018
MW 14	chloroethane	10/25/2018	<1.0	1	0.500	2800	10/7/2019	NA	4/24/2018
MW 14	chloroethane	4/15/2019	<1.0	1	0.500	2800	10/7/2019	NA	4/24/2018
MW 14	chloroethane	10/7/2019	1.0	1	0.410	2800	10/7/2019	NA	4/24/2018
MW 14	chloroethane	4/22/2020	<1.0	1	0.410	2800	10/7/2019	NA	4/24/2018
MW 14	chloroethane	10/1/2020	2.7	1	0.168	2800	10/7/2019	NA	4/24/2018
MW 14	chloroethane	4/8/2021	1.0	1	0.168	2800	10/7/2019	NA	4/24/2018
MW 14	chloroethane	10/29/2021	2.4	1	0.396	2800	10/7/2019	NA	4/24/2018
MW 14	chloroethane	4/25/2022	<1.0	1	0.396	2800	10/7/2019	NA	4/24/2018
MW 14	chloroethane	10/17/2022	1.3	1	0.354	2800	10/7/2019	NA	4/24/2018
MW 14	chloroethane	4/10/2023	1.2	1	1.426	2800	10/7/2019	NA	4/24/2018
MW 14	chloroethane	10/27/2023	1.8	1	0.570	2800	10/7/2019	NA	4/24/2018
MW 14	chloroethane	4/2/2024	1.9	1	1.137	2800	10/7/2019	NA	4/24/2018
MW 14	chloroethane	10/10/2024	<1.0	1	0.591	2800	10/7/2019	NA	4/24/2018
MW 14	chloroethane	4/15/2025	1.2	1	0.591	2800	10/7/2019	NA	4/24/2018
MW 14	chloroethane	10/6/2025	1.6	1	0.588	2800	10/7/2019	NA	4/24/2018

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 14	Cis-1,2DCE	4/21/2016	<1.0	1	0.273	70	10/17/2016	NA	4/24/2018
MW 14	Cis-1,2DCE	10/17/2016	1.8	1	0.267	70	10/17/2016	NA	4/24/2018
MW 14	Cis-1,2DCE	4/21/2017	<1.0	1	0.267	70	10/17/2016	NA	4/24/2018
MW 14	Cis-1,2DCE	10/16/2017	<1.0	1	0.060	70	10/17/2016	NA	4/24/2018
MW 14	Cis-1,2DCE	4/24/2018	<1.0	1	0.060	70	10/17/2016	NA	4/24/2018
MW 14	Cis-1,2DCE	10/25/2018	<1.0	1	0.500	70	10/17/2016	NA	4/24/2018
MW 14	Cis-1,2DCE	4/15/2019	<1.0	1	0.500	70	10/17/2016	NA	4/24/2018
MW 14	Cis-1,2DCE	10/7/2019	<1.0	1	0.500	70	10/17/2016	NA	4/24/2018
MW 14	Cis-1,2DCE	4/22/2020	<1.0	1	0.500	70	10/17/2016	NA	4/24/2018
MW 14	Cis-1,2DCE	10/1/2020	<1.0	1	0.500	70	10/17/2016	NA	4/24/2018
MW 14	Cis-1,2DCE	4/8/2021	<1.0	1	0.500	70	10/17/2016	NA	4/24/2018
MW 14	Cis-1,2DCE	10/29/2021	<1.0	1	0.500	70	10/17/2016	NA	4/24/2018
MW 14	Cis-1,2DCE	4/25/2022	<1.0	1	0.500	70	10/17/2016	NA	4/24/2018
MW 14	Cis-1,2DCE	10/17/2022	<1.0	1	0.500	70	10/17/2016	NA	4/24/2018
MW 14	Cis-1,2DCE	4/10/2023	<1.0	1	0.500	70	10/17/2016	NA	4/24/2018
MW 14	Cis-1,2DCE	10/27/2023	<1.0	1	0.500	70	10/17/2016	NA	4/24/2018
MW 14	Cis-1,2DCE	4/2/2024	<1.0	1	0.500	70	10/17/2016	NA	4/24/2018
MW 14	Cis-1,2DCE	10/10/2024	<1.0	1	0.500	70	10/17/2016	NA	4/24/2018
MW 14	Cis-1,2DCE	4/15/2025	<1.0	1	0.500	70	10/17/2016	NA	4/24/2018
MW 14	Cis-1,2DCE	10/6/2025	<1.0	1	0.500	70	10/17/2016	NA	4/24/2018

Bold GWPS = A Site Specific GWPS that is equal to the Prediction Limit. All other GWPS are IAC 567-137 Statewide Standards for Protected Groundwater.

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MW-35	Barium	4/21/2016	---	571.69	---	2,000.00	4/21/2016	NA	4/24/2018
MW-35	Barium	10/17/2016	1090	571.69	57.701	2,000.00	4/21/2016	NA	4/24/2018
MW-35	Barium	4/21/2017	1170	571.69	327.423	2,000.00	4/21/2016	NA	4/24/2018
MW-35	Barium	10/16/2017	1290	571.69	1068.357	2,000.00	4/21/2016	NA	4/24/2018
MW-35	Barium	4/24/2018	1180	571.69	1111.929	2,000.00	4/21/2016	NA	4/24/2018
MW-35	Barium	10/25/2018	1120	571.69	1105.722	2,000.00	4/21/2016	NA	4/24/2018
MW-35	Barium	4/15/2019	1060	1019.23	1047.098	2,000.00	4/21/2016	NA	4/24/2018
MW-35	Barium	10/7/2019	1180	608.7165	1067.427	2,000.00	4/21/2016	NA	4/24/2018
MW-35	Barium	4/22/2020	1130	602.3	1064.575	2,000.00	4/21/2016	NA	4/24/2018
MW-35R	Barium	10/1/2020	1300	595.6	---	2,000.00	4/21/2016	NA	4/24/2018
MW-35R	Barium	4/8/2021	1290	636.93	---	2,000.00	4/21/2016	NA	4/24/2018
MW-35R	Barium	10/29/2021	1370	1880.00	---	2,000.00	4/21/2016	NA	4/24/2018
MW-35R	Barium	4/25/2022	1150	1880.00	1169.105	2,000.00	4/21/2016	NA	4/24/2018
MW-35R	Barium	10/17/2022	1420	1880.00	1168.859	2,000.00	4/21/2016	NA	4/24/2018
MW-35R	Barium	4/10/2023	1100	1880.00	1073.517	2,000.00	4/21/2016	NA	4/24/2018
MW-35R	Barium	10/27/2023	1890	1880.00	964.472	2,000.00	4/21/2016	NA	4/24/2018
MW-35R	Barium	4/2/2024	1590	1880.00	1111.884	2,000.00	4/21/2016	NA	4/24/2018
MW-35R	Barium	10/10/2024	Dry	1880.00	1111.884	2,000.00	4/21/2016	NA	4/24/2018
MW-35R	Barium	4/15/2025	1520	1880.00	1242.998	2,000.00	4/21/2016	NA	4/24/2018
MW-35R	Barium	10/6/2025	1780	1880.00	1547.606	2,000.00	4/21/2016	NA	4/24/2018

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MW-35	Cobalt	4/21/2016	---	34.1	---	34.1	4/8/2021	NA	4/24/2018
MW-35	Cobalt	10/17/2016	---	34.1	---	34.1	4/8/2021	NA	4/24/2018
MW-35	Cobalt	4/21/2017	---	34.1	---	34.1	4/8/2021	NA	4/24/2018
MW-35	Cobalt	10/16/2017	---	12.4	---	12.4	4/8/2021	NA	4/24/2018
MW-35	Cobalt	4/24/2018	---	12.4	---	12.4	4/8/2021	NA	4/24/2018
MW-35	Cobalt	10/25/2018	---	12.4	---	12.4	4/8/2021	NA	4/24/2018
MW-35	Cobalt	4/15/2019	---	12.4	---	12.4	4/8/2021	NA	4/24/2018
MW-35	Cobalt	10/7/2019	---	12.4	---	12.4	4/8/2021	NA	4/24/2018
MW-35	Cobalt	4/22/2020	---	12.4	---	12.4	4/8/2021	NA	4/24/2018
MW-35R	Cobalt	10/1/2020	7.2	7.8	---	12.4	4/8/2021	NA	4/24/2018
MW-35R	Cobalt	4/8/2021	9.4	7.8	---	12.4	4/8/2021	NA	4/24/2018
MW-35R	Cobalt	10/29/2021	8.3	7.8	---	12.4	4/8/2021	NA	4/24/2018
MW-35R	Cobalt	4/25/2022	5.9	12.4	5.937	12.4	4/8/2021	NA	4/24/2018
MW-35R	Cobalt	10/17/2022	7.9	12.4	6.156	12.4	4/8/2021	NA	4/24/2018
MW-35R	Cobalt	4/10/2023	5.7	12.4	5.373	12.4	4/8/2021	NA	4/24/2018
MW-35R	Cobalt	10/27/2023	10.7	12.4	4.817	12.4	4/8/2021	NA	4/24/2018
MW-35R	Cobalt	4/2/2024	8.9	12.4	5.848	12.4	4/8/2021	NA	4/24/2018
MW-35R	Cobalt	10/10/2024	Dry	12.4	5.848	12.4	4/8/2021	NA	4/24/2018
MW-35R	Cobalt	4/15/2025	5.6	12.4	5.672	12.4	4/8/2021	NA	4/24/2018
MW-35R	Cobalt	10/6/2025	7.6	12.4	5.672	12.4	4/8/2021	NA	4/24/2018

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Rural Iowa Sanitary Landfill

Permit No.42-SDP-01-72P

KEY:

SSI

SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-35	Nickel	4/21/2016	---	31.6	---	100	4/24/2018	NA	4/24/2018
MW-35	Nickel	10/17/2016	36.8	31.6	0.000	100	4/24/2018	NA	4/24/2018
MW-35	Nickel	4/21/2017	48.0	31.6	11.092	100	4/24/2018	NA	4/24/2018
MW-35	Nickel	10/16/2017	49.9	31.6	38.545	100	4/24/2018	NA	4/24/2018
MW-35	Nickel	4/24/2018	45.0	31.6	44.841	100	4/24/2018	NA	4/24/2018
MW-35	Nickel	10/25/2018	38.7	31.6	39.635	100	4/24/2018	NA	4/24/2018
MW-35	Nickel	4/15/2019	34.6	31.6	34.100	100	4/24/2018	NA	4/24/2018
MW-35	Nickel	10/7/2019	38.4	31.6	34.107	100	4/24/2018	NA	4/24/2018
MW-35	Nickel	4/22/2020	35.0	31.6	34.117	100	4/24/2018	NA	4/24/2018
MW-35R	Nickel	10/1/2020	38.6	20.5	34.117	100	4/24/2018	NA	4/24/2018
MW-35R	Nickel	4/8/2021	34.0	20.5	---	100	4/24/2018	NA	4/24/2018
MW-35R	Nickel	10/29/2021	25.1	20.5	---	100	4/24/2018	NA	4/24/2018
MW-35R	Nickel	4/25/2022	26.4	22.1	23.501	100	4/24/2018	NA	4/24/2018
MW-35R	Nickel	10/17/2022	23.0	22.1	21.488	100	4/24/2018	NA	4/24/2018
MW-35R	Nickel	4/10/2023	26.0	22.1	23.340	100	4/24/2018	NA	4/24/2018
MW-35R	Nickel	10/27/2023	21.3	31.6	21.300	100	4/24/2018	NA	4/24/2018
MW-35R	Nickel	4/2/2024	25.6	31.6	21.358	100	4/24/2018	NA	4/24/2018
MW-35R	Nickel	10/10/2024	Dry	31.6	21.358	100	4/24/2018	NA	4/24/2018
MW-35R	Nickel	4/15/2025	23.6	31.6	21.329	100	4/24/2018	NA	4/24/2018
MW-35R	Nickel	10/6/2025	27.7	31.6	21.329	100	4/24/2018	NA	4/24/2018

Table 7

KEY:SSISSL LCL>GWPS

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report

Rural Iowa Sanitary Landfill

Permit No.42-SDP-01-72P

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-35	1,1-dichloroethane	4/21/2016	---	1	---	140	4/21/2016	NA	4/24/2018
MW-35	1,1-dichloroethane	10/17/2016	10.8	1	0.000	140	4/21/2016	NA	4/24/2018
MW-35	1,1-dichloroethane	4/21/2017	9.8	1	0.175	140	4/21/2016	NA	4/24/2018
MW-35	1,1-dichloroethane	10/16/2017	9.8	1	3.535	140	4/21/2016	NA	4/24/2018
MW-35	1,1-dichloroethane	4/24/2018	12	1	9.370	140	4/21/2016	NA	4/24/2018
MW-35	1,1-dichloroethane	10/25/2018	5.5	1	6.073	140	4/21/2016	NA	4/24/2018
MW-35	1,1-dichloroethane	4/15/2019	5.7	1	4.498	140	4/21/2016	NA	4/24/2018
MW-35	1,1-dichloroethane	10/7/2019	5.7	1	3.479	140	4/21/2016	NA	4/24/2018
MW-35	1,1-dichloroethane	4/22/2020	5.0	1	5.086	140	4/21/2016	NA	4/24/2018
MW-35R	1,1-dichloroethane	10/1/2020	5.1	1	---	140	4/21/2016	NA	4/24/2018
MW-35R	1,1-dichloroethane	4/8/2021	4.9	1	---	140	4/21/2016	NA	4/24/2018
MW-35R	1,1-dichloroethane	10/29/2021	1.4	1	---	140	4/21/2016	NA	4/24/2018
MW-35R	1,1-dichloroethane	4/25/2022	2.0	1	1.088	140	4/21/2016	NA	4/24/2018
MW-35R	1,1-dichloroethane	10/17/2022	<1	1	0.000	140	4/21/2016	NA	4/24/2018
MW-35R	1,1-dichloroethane	4/10/2023	3.1	1	0.467	140	4/21/2016	NA	4/24/2018
MW-35R	1,1-dichloroethane	10/27/2023	<1	1	0.036	140	4/21/2016	NA	4/24/2018
MW-35R	1,1-dichloroethane	4/2/2024	<1	1	0.000	140	4/21/2016	NA	4/24/2018
MW-35R	1,1-dichloroethane	10/10/2024	Dry	1	0.000	140	4/21/2016	NA	4/24/2018
MW-35R	1,1-dichloroethane	4/15/2025	<1	1	0.000	140	4/21/2016	NA	4/24/2018
MW-35R	1,1-dichloroethane	10/6/2025	<1	1	0.500	140	4/21/2016	NA	4/24/2018

Table 7
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KEY:	SSI	SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-35	Benzene	4/21/2016	---	1	---	5	4/21/2016	NA	4/24/2018
MW-35	Benzene	10/17/2016	1.1	1	0.297	5	4/21/2016	NA	4/24/2018
MW-35	Benzene	4/21/2017	<1.0	1	0.297	5	4/21/2016	NA	4/24/2018
MW-35	Benzene	10/16/2017	1.3	1	0.365	5	4/21/2016	NA	4/24/2018
MW-35	Benzene	4/24/2018	1.4	1	0.601	5	4/21/2016	NA	4/24/2018
MW-35	Benzene	10/25/2018	<1.0	1	0.346	5	4/21/2016	NA	4/24/2018
MW-35	Benzene	4/15/2019	<1.0	1	0.346	5	4/21/2016	NA	4/24/2018
MW-35	Benzene	10/7/2019	<1.0	1	0.196	5	4/21/2016	NA	4/24/2018
MW-35	Benzene	4/22/2020	<1.0	1	0.500	5	4/21/2016	NA	4/24/2018
MW-35R	Benzene	10/1/2020	<1.0	1	0.500	5	4/21/2016	NA	4/24/2018
MW-35R	Benzene	4/8/2021	<1.0	1	0.500	5	4/21/2016	NA	4/24/2018
MW-35R	Benzene	10/29/2021	<1.0	1	0.500	5	4/21/2016	NA	4/24/2018
MW-35R	Benzene	4/25/2022	<1.0	1	0.500	5	4/21/2016	NA	4/24/2018
MW-35R	Benzene	10/17/2022	<1.0	1	0.500	5	4/21/2016	NA	4/24/2018
MW-35R	Benzene	4/10/2023	<1.0	1	0.500	5	4/21/2016	NA	4/24/2018
MW-35R	Benzene	10/27/2023	<1.0	1	0.500	5	4/21/2016	NA	4/24/2018
MW-35R	Benzene	4/2/2024	<1.0	1	0.500	5	4/21/2016	NA	4/24/2018
MW-35R	Benzene	10/10/2024	Dry	1	0.500	5	4/21/2016	NA	4/24/2018
MW-35R	Benzene	4/15/2025	<1.0	1	0.500	5	4/21/2016	NA	4/24/2018
MW-35R	Benzene	10/6/2025	<1.0	1	0.500	5	4/21/2016	NA	4/24/2018

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Rural Iowa Sanitary Landfill

Permit No.42-SDP-01-72P

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-35R	Bis(2-ethylhexyl)phthalate	10/17/2022	78	6	---	6	4/21/2016	NA	4/24/2018
MW-35R	Bis(2-ethylhexyl)phthalate	1/5/2023	79	6	---	6	4/21/2016	NA	4/24/2018
MW-35R	Bis(2-ethylhexyl)phthalate	4/10/2023	6	6	---	6	4/21/2016	NA	4/24/2018
MW-35R	Bis(2-ethylhexyl)phthalate	10/27/2023	15	6	0.000	6	4/21/2016	NA	4/24/2018
MW-35R	Bis(2-ethylhexyl)phthalate	4/2/2024	---	6	0.000	6	4/21/2016	NA	4/24/2018
MW-35R	Bis(2-ethylhexyl)phthalate	10/10/2024	Dry	6	0.000	6	4/21/2016	NA	4/24/2018
MW-35R	Bis(2-ethylhexyl)phthalate	4/15/2025	---	6	0.000	6	4/21/2016	NA	4/24/2018
MW-35R	Bis(2-ethylhexyl)phthalate	10/6/2025	---	6	0.000	6	4/21/2016	NA	4/24/2018

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-35	chloroethane	4/21/2016	---	1	---	2,800.00	4/21/2016	NA	4/24/2018
MW-35	chloroethane	10/17/2016	28.2	1	0.000	2,800.00	4/21/2016	NA	4/24/2018
MW-35	chloroethane	4/21/2017	21.8	1	0.000	2,800.00	4/21/2016	NA	4/24/2018
MW-35	chloroethane	10/16/2017	16.7	1	2.871	2,800.00	4/21/2016	NA	4/24/2018
MW-35	chloroethane	4/24/2018	28.9	1	17.118	2,800.00	4/21/2016	NA	4/24/2018
MW-35	chloroethane	10/25/2018	<1.0	1	2.778	2,800.00	4/21/2016	NA	4/24/2018
MW-35	chloroethane	4/15/2019	11.2	1	0.424	2,800.00	4/21/2016	NA	4/24/2018
MW-35	chloroethane	10/7/2019	16.8	1	0.441	2,800.00	4/21/2016	NA	4/24/2018
MW-35	chloroethane	4/22/2020	10.2	1	1.710	2,800.00	4/21/2016	NA	4/24/2018
MW-35R	chloroethane	10/1/2020	19.2	1	---	2,800.00	4/21/2016	NA	4/24/2018
MW-35R	chloroethane	4/8/2021	11.7	1	---	2,800.00	4/21/2016	NA	4/24/2018
MW-35R	chloroethane	10/29/2021	2.3	1	---	2,800.00	4/21/2016	NA	4/24/2018
MW-35R	chloroethane	4/25/2022	5.8	1	1.047	2,800.00	4/21/2016	NA	4/24/2018
MW-35R	chloroethane	10/17/2022	2.2	1	0.254	2,800.00	4/21/2016	NA	4/24/2018
MW-35R	chloroethane	4/10/2023	2.7	1	1.234	2,800.00	4/21/2016	NA	4/24/2018
MW-35R	chloroethane	10/27/2023	1.4	1	0.760	2,800.00	4/21/2016	NA	4/24/2018
MW-35R	chloroethane	4/2/2024	2.1	1	1.470	2,800.00	4/21/2016	NA	4/24/2018
MW-35R	chloroethane	10/10/2024	Dry	1	1.470	2,800.00	4/21/2016	NA	4/24/2018
MW-35R	chloroethane	4/15/2025	3.2	1	1.436	2,800.00	4/21/2016	NA	4/24/2018
MW-35R	chloroethane	10/6/2025	7.4	1	0.036	2,800.00	4/21/2016	NA	4/24/2018

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MW-35	Cis-1,2DCE	4/21/2016	---	1	---	70	4/21/2016	NA	4/24/2018
MW-35	Cis-1,2DCE	10/17/2016	9.3	1	0.000	70	4/21/2016	NA	4/24/2018
MW-35	Cis-1,2DCE	4/21/2017	6.4	1	0.000	70	4/21/2016	NA	4/24/2018
MW-35	Cis-1,2DCE	10/16/2017	9.7	1	1.480	70	4/21/2016	NA	4/24/2018
MW-35	Cis-1,2DCE	4/24/2018	13.9	1	6.191	70	4/21/2016	NA	4/24/2018
MW-35	Cis-1,2DCE	10/25/2018	4.8	1	3.968	70	4/21/2016	NA	4/24/2018
MW-35	Cis-1,2DCE	4/15/2019	5.1	1	3.303	70	4/21/2016	NA	4/24/2018
MW-35	Cis-1,2DCE	10/7/2019	4.7	1	1.808	70	4/21/2016	NA	4/24/2018
MW-35	Cis-1,2DCE	4/22/2020	3.2	1	3.450	70	4/21/2016	NA	4/24/2018
MW-35R	Cis-1,2DCE	10/1/2020	4.3	1	---	70	4/21/2016	NA	4/24/2018
MW-35R	Cis-1,2DCE	4/8/2021	4	1	---	70	4/21/2016	NA	4/24/2018
MW-35R	Cis-1,2DCE	10/29/2021	1.3	1	---	70	4/21/2016	NA	4/24/2018
MW-35R	Cis-1,2DCE	4/25/2022	1.6	1	0.955	70	4/21/2016	NA	4/24/2018
MW-35R	Cis-1,2DCE	10/17/2022	<1	1	0.078	70	4/21/2016	NA	4/24/2018
MW-35R	Cis-1,2DCE	4/10/2023	1.6	1	0.314	70	4/21/2016	NA	4/24/2018
MW-35R	Cis-1,2DCE	10/27/2023	<1	1	0.128	70	4/21/2016	NA	4/24/2018
MW-35R	Cis-1,2DCE	4/2/2024	<1	1	0.500	70	4/21/2016	NA	4/24/2018
MW-35R	Cis-1,2DCE	10/10/2024	Dry	1	0.500	70	4/21/2016	NA	4/24/2018
MW-35R	Cis-1,2DCE	4/15/2025	<1	1	0.500	70	4/21/2016	NA	4/24/2018
MW-35R	Cis-1,2DCE	10/6/2025	<1	1	0.500	70	4/21/2016	NA	4/24/2018

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MW-35	Vinyl Chloride	4/21/2016	---	1	---	2	4/21/2016	NA	4/24/2018
MW-35	Vinyl Chloride	10/17/2016	1.8	1	0.060	2	4/21/2016	NA	4/24/2018
MW-35	Vinyl Chloride	4/21/2017	1.2	1	0.262	2	4/21/2016	NA	4/24/2018
MW-35	Vinyl Chloride	10/16/2017	<1.0	1	0.262	2	4/21/2016	NA	4/24/2018
MW-35	Vinyl Chloride	4/24/2018	2.1	1	0.568	2	4/21/2016	NA	4/24/2018
MW-35	Vinyl Chloride	10/25/2018	<1.0	1	0.182	2	4/21/2016	NA	4/24/2018
MW-35	Vinyl Chloride	4/15/2019	<1.0	1	0.000	2	4/21/2016	NA	4/24/2018
MW-35	Vinyl Chloride	10/7/2019	<1.0	1	0.000	2	4/21/2016	NA	4/24/2018
MW-35	Vinyl Chloride	4/22/2020	<1.0	1	0.500	2	4/21/2016	NA	4/24/2018
MW-35R	Vinyl Chloride	10/1/2020	1.1	1	---	2	4/21/2016	NA	4/24/2018
MW-35R	Vinyl Chloride	4/8/2021	<1.0	1	---	2	4/21/2016	NA	4/24/2018
MW-35R	Vinyl Chloride	10/29/2021	<1.0	1	---	2	4/21/2016	NA	4/24/2018
MW-35R	Vinyl Chloride	4/25/2022	<1.0	1	0.297	2	4/21/2016	NA	4/24/2018
MW-35R	Vinyl Chloride	10/17/2022	<1.0	1	0.500	2	4/21/2016	NA	4/24/2018
MW-35R	Vinyl Chloride	4/10/2023	<1.0	1	0.500	2	4/21/2016	NA	4/24/2018
MW-35R	Vinyl Chloride	10/27/2023	<1.0	1	0.500	2	4/21/2016	NA	4/24/2018
MW-35R	Vinyl Chloride	4/2/2024	<1.0	1	0.500	2	4/21/2016	NA	4/24/2018
MW-35R	Vinyl Chloride	10/10/2024	Dry	1	0.500	2	4/21/2016	NA	4/24/2018
MW-35R	Vinyl Chloride	4/15/2025	<1.0	1	0.500	2	4/21/2016	NA	4/24/2018
MW-35R	Vinyl Chloride	10/6/2025	1.7	1	0.094	2	4/21/2016	NA	4/24/2018

Bold GWPS = A Site Specific GWPS that is equal to the Prediction Limit. All other GWPS are IAC 567-137 Statewide Standards for Protected Groundwater.

Table 7

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Monitoring Well	Compound	Sample	Each	Prediction	95% LCL (ug/L)	GWPS	SSI	Resamples	5th Background
		Date	Result (ug/L)	Limit (ug/L)		Limit (ug/L)	Initial Exceedance	Due	Sample
MW-48A	Arsenic	4/21/2016	34.6	89.3	0.000	89.3	4/24/2018	NA	4/24/2018
MW-48A	Arsenic	10/17/2016	33.1	89.3	31.709	89.3	4/24/2018	NA	4/24/2018
MW-48A	Arsenic	4/21/2017	26	89.3	26.983	89.3	4/24/2018	NA	4/24/2018
MW-48A	Arsenic	10/16/2017	22	89.3	21.928	89.3	4/24/2018	NA	4/24/2018
MW-48A	Arsenic	4/24/2018	132	89.3	0.000	89.3	4/24/2018	NA	4/24/2018
MW-48A	Arsenic	10/25/2018	19.3	89.3	0.000	89.3	4/24/2018	NA	4/24/2018
MW-48A	Arsenic	4/15/2019	25.5	89.3	0.000	89.3	4/24/2018	NA	4/24/2018
MW-48A	Arsenic	10/7/2019	61.6	89.3	0.000	89.3	4/24/2018	NA	4/24/2018
MW-48A	Arsenic	4/22/2020	19.6	89.3	7.685	89.3	4/24/2018	NA	4/24/2018
MW-48A	Arsenic	10/1/2020	42.2	89.3	15.041	89.3	4/24/2018	NA	4/24/2018
MW-48A	Arsenic	4/8/2021	35.8	89.3	19.369	89.3	4/24/2018	NA	4/24/2018
MW-48A	Arsenic	10/29/2021	12.2	89.3	11.074	89.3	4/24/2018	NA	4/24/2018
MW-48A	Arsenic	4/25/2022	45.1	89.3	16.262	89.3	4/24/2018	NA	4/24/2018
MW-48A	Arsenic	10/17/2022	170	89.3	0.000	89.3	4/24/2018	NA	4/24/2018
MW-48A	Arsenic	4/10/2023	122	89.3	2.872	89.3	4/24/2018	NA	4/24/2018
MW-48A	Arsenic	10/27/2023	26	89.3	11.769	89.3	4/24/2018	NA	4/24/2018
MW-48A	Arsenic	4/2/2024	17.1	89.3	0.000	89.3	4/24/2018	NA	4/24/2018
MW-48A	Arsenic	10/10/2024	18.3	89.3	0.000	89.3	4/24/2018	NA	4/24/2018
MW-48A	Arsenic	4/15/2025	13.3	89.3	12.408	89.3	4/24/2018	NA	4/24/2018
MW-48A	Arsenic	10/16/2025	14.0	89.3	12.845	89.3	4/24/2018	NA	4/24/2018

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MW-48A	Cobalt	4/21/2016	2.2	34.1	2.281	34.1	NA	NA	4/24/2018
MW-48A	Cobalt	10/17/2016	2.1	34.1	2.001	34.1	NA	NA	4/24/2018
MW-48A	Cobalt	4/21/2017	2.2	34.1	1.882	34.1	NA	NA	4/24/2018
MW-48A	Cobalt	10/16/2017	1.8	12.4	1.852	12.4	NA	NA	4/24/2018
MW-48A	Cobalt	4/24/2018	1.8	12.4	1.733	12.4	NA	NA	4/24/2018
MW-48A	Cobalt	10/25/2018	2.4	12.4	1.697	12.4	NA	NA	4/24/2018
MW-48A	Cobalt	4/15/2019	2.4	12.4	1.693	12.4	NA	NA	4/24/2018
MW-48A	Cobalt	10/7/2019	2.8	12.4	1.865	12.4	NA	NA	4/24/2018
MW-48A	Cobalt	4/22/2020	1.7	12.4	1.787	12.4	NA	NA	4/24/2018
MW-48A	Cobalt	10/1/2020	1.0	7.8	1.042	12.4	NA	NA	4/24/2018
MW-48A	Cobalt	4/8/2021	1.0	7.8	0.625	12.4	NA	NA	4/24/2018
MW-48A	Cobalt	10/29/2021	1.0	7.8	0.763	12.4	NA	NA	4/24/2018
MW-48A	Cobalt	4/25/2022	0.6	12.4	0.655	12.4	NA	NA	4/24/2018
MW-48A	Cobalt	10/17/2022	2.2	12.4	0.385	12.4	NA	NA	4/24/2018
MW-48A	Cobalt	4/10/2023	1.3	12.4	0.475	12.4	NA	NA	4/24/2018
MW-48A	Cobalt	10/27/2023	1.0	12.4	0.475	12.4	NA	NA	4/24/2018
MW-48A	Cobalt	4/2/2024	0.9	12.4	0.654	12.4	NA	NA	4/24/2018
MW-48A	Cobalt	10/10/2024	0.6	12.4	0.610	12.4	NA	NA	4/24/2018
MW-48A	Cobalt	4/15/2025	0.7	12.4	0.585	12.4	NA	NA	4/24/2018
MW-48A	Cobalt	10/16/2025	0.7	12.4	0.577	12.4	NA	NA	4/24/2018

Table 7
Summary of Ongoing & Newly Identified SSI
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Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

KEY:	SSI	SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI	Resamples Due	5th Background Sample
							Initial Exceedance		
MW-48A	Selenium	4/21/2016	<4	4.9	---	50.0	4/25/2022	NA	4/24/2018
MW-48A	Selenium	10/17/2016	<4	4.9	---	50.0	4/25/2022	NA	4/24/2018
MW-48A	Selenium	4/21/2017	<4	4.9	---	50.0	4/25/2022	NA	4/24/2018
MW-48A	Selenium	10/16/2017	<4	4.9	---	50.0	4/25/2022	NA	4/24/2018
MW-48A	Selenium	4/24/2018	<4	4.9	---	50.0	4/25/2022	NA	4/24/2018
MW-48A	Selenium	10/25/2018	<4	4.9	---	50.0	4/25/2022	NA	4/24/2018
MW-48A	Selenium	4/15/2019	<4	4.9	---	50.0	4/25/2022	NA	4/24/2018
MW-48A	Selenium	10/7/2019	<4	4.9	---	50.0	4/25/2022	NA	4/24/2018
MW-48A	Selenium	4/22/2020	<4	4.9	---	50.0	4/25/2022	NA	4/24/2018
MW-48A	Selenium	10/1/2020	<4	4.9	---	50.0	4/25/2022	NA	4/24/2018
MW-48A	Selenium	4/8/2021	<4	4.9	---	50.0	4/25/2022	NA	4/24/2018
MW-48A	Selenium	10/29/2021	<4	4.9	---	50.0	4/25/2022	NA	4/24/2018
MW-48A	Selenium	4/25/2022	5.4	4.9	0.850	50.0	4/25/2022	NA	4/24/2018
MW-48A	Selenium	10/17/2022	<4	4.9	0.850	50.0	4/25/2022	NA	4/24/2018
MW-48A	Selenium	4/10/2023	<4	4.9	0.850	50.0	4/25/2022	NA	4/24/2018
MW-48A	Selenium	10/27/2023	<4	4.9	0.850	50.0	4/25/2022	NA	4/24/2018
MW-48A	Selenium	4/2/2024	<4	4.9	2.000	50.0	4/25/2022	NA	4/24/2018
MW-48A	Selenium	10/10/2024	<4	4.9	2.000	50.0	4/25/2022	NA	4/24/2018
MW-48A	Selenium	4/15/2025	<2	4.9	2.000	50.0	4/25/2022	NA	4/24/2018
MW-48A	Selenium	10/16/2025	<2	4.9	2.000	50.0	4/25/2022	NA	4/24/2018

* = documented false positive

Bold GWPS = A Site Specific GWPS that is equal to the Prediction Limit. All other GWPS are IAC 567-137 Statewide Standards for Protected Groundwater.

Table 7

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Rural Iowa Sanitary Landfill

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KEY:

SSI

SSL LCL>GWPS

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Monitoring Well	Compound	Sample	Each	Prediction	95% LCL (ug/L)	GWPS	SSI	Resamples	5th Background
		Date	Result (ug/L)	Limit (ug/L)		Limit (ug/L)	Initial Exceedance		
MW 49A	Barium	4/21/2016	478	571.69	433.867	2,000.00	4/24/2018	NA	4/24/2018
MW 49A	Barium	10/17/2016	707	571.69	419.777	2,000.00	4/24/2018	NA	4/24/2018
MW 49A	Barium	4/21/2017	465	571.69	394.145	2,000.00	4/24/2018	NA	4/24/2018
MW 49A	Barium	10/16/2017	373	571.69	338.303	2,000.00	4/24/2018	NA	4/24/2018
MW 49A	Barium	4/24/2018	704	571.69	339.219	2,000.00	4/24/2018	NA	4/24/2018
MW 49A	Barium	10/25/2018	453	571.69	330.78	2,000.00	4/24/2018	NA	4/24/2018
MW 49A	Barium	4/15/2019	668	1019.2	359.371	2,000.00	4/24/2018	NA	4/24/2018
MW 49A	Barium	10/7/2019	393	608.72	372.755	2,000.00	4/24/2018	NA	4/24/2018
MW 49A	Barium	4/22/2020	676	602.29	375.916	2,000.00	4/24/2018	NA	4/24/2018
MW 49A	Barium	10/1/2020	531	595.60	409.691	2,000.00	4/24/2018	NA	4/24/2018
MW 49A	Barium	4/8/2021	583	636.93	406.731	2,000.00	4/24/2018	NA	4/24/2018
MW 49A	Barium	10/29/2021	346	1880.00	370.559	2,000.00	4/24/2018	NA	4/24/2018
MW 49A	Barium	4/25/2022	748	1880.00	357.226	2,000.00	4/24/2018	NA	4/24/2018
MW 49A	Barium	10/17/2022	656	1880.00	375.916	2,000.00	4/24/2018	NA	4/24/2018
MW 49A	Barium	4/10/2023	686	1880.00	453.5748	2,000.00	4/24/2018	NA	4/24/2018
MW 49A	Barium	10/27/2023	609	1880.00	624.3349	2,000.00	4/24/2018	NA	4/24/2018
MW 49A	Barium	4/2/2024	626	1880.00	614.853	2,000.00	4/24/2018	NA	4/24/2018
MW 49A	Barium	10/10/2024	616	1880.00	603.767	2,000.00	4/24/2018	NA	4/24/2018
MW 49A	Barium	4/15/2025	722	1880.00	597.384	2,000.00	4/24/2018	NA	4/24/2018
MW 49A	Barium	10/16/2025	777	1880.00	618.029	2,000.00	4/24/2018	NA	4/24/2018

Table 7
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SSI

SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 49A	Cobalt	4/21/2016	14.5	34.1	12.096	34.1	4/24/2018	NA	4/24/2018
MW 49A	Cobalt	10/17/2016	1.1	34.1	3.187	34.1	4/24/2018	NA	4/24/2018
MW 49A	Cobalt	4/21/2017	14.9	34.1	3.321	34.1	4/24/2018	NA	4/24/2018
MW 49A	Cobalt	10/16/2017	5.9	12.4	1.15	12.4	4/24/2018	NA	4/24/2018
MW 49A	Cobalt	4/24/2018	24.5	12.4	0	12.4	4/24/2018	NA	4/24/2018
MW 49A	Cobalt	10/25/2018	7.3	12.4	3.107	12.4	4/24/2018	NA	4/24/2018
MW 49A	Cobalt	4/15/2019	18	12.4	3.476	12.4	4/24/2018	NA	4/24/2018
MW 49A	Cobalt	10/7/2019	2.7	12.4	1.445	12.4	4/24/2018	NA	4/24/2018
MW 49A	Cobalt	4/22/2020	19.1	12.4	2.297	12.4	4/24/2018	NA	4/24/2018
MW 49A	Cobalt	10/1/2020	16.8	7.8	5.103	12.4	4/24/2018	NA	4/24/2018
MW 49A	Cobalt	4/8/2021	21.0	7.8	5.122	12.4	4/24/2018	NA	4/24/2018
MW 49A	Cobalt	10/29/2021	2.6	7.8	5.039	12.4	4/24/2018	NA	4/24/2018
MW 49A	Cobalt	4/25/2022	16.5	12.4	4.794	12.4	4/24/2018	NA	4/24/2018
MW 49A	Cobalt	10/17/2022	20.3	12.4	5.025	12.4	4/24/2018	NA	4/24/2018
MW 49A	Cobalt	4/10/2023	20.6	12.4	5.031	12.4	4/24/2018	NA	4/24/2018
MW 49A	Cobalt	10/27/2023	20.5	12.4	17.137	12.4	4/24/2018	NA	4/24/2018
MW 49A	Cobalt	4/2/2024	19.9	12.4	19.961	12.4	4/24/2018	NA	4/24/2018
MW 49A	Cobalt	10/10/2024	10.2	12.4	11.829	12.4	4/24/2018	NA	4/24/2018
MW 49A	Cobalt	4/15/2025	13.2	12.4	9.993	12.4	4/24/2018	NA	4/24/2018
MW 49A	Cobalt	10/16/2025	14.8	12.4	9.750	12.4	4/24/2018	NA	4/24/2018

Table 7
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Rural Iowa Sanitary Landfill
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KEY:

SSI

SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 49A	Copper	4/21/2016	4.9	13.7	---	1300	10/17/2022	NA	4/24/2018
MW 49A	Copper	10/17/2016	<4	13.7	---	1300	10/17/2022	NA	4/24/2018
MW 49A	Copper	4/21/2017	<4	13.7	---	1300	10/17/2022	NA	4/24/2018
MW 49A	Copper	10/16/2017	<4	13.7	---	1300	10/17/2022	NA	4/24/2018
MW 49A	Copper	4/24/2018	<4	13.7	---	1300	10/17/2022	NA	4/24/2018
MW 49A	Copper	10/25/2018	5.9	13.7	---	1300	10/17/2022	NA	4/24/2018
MW 49A	Copper	4/15/2019	<4	13.7	---	1300	10/17/2022	NA	4/24/2018
MW 49A	Copper	10/7/2019	<4	13.7	---	1300	10/17/2022	NA	4/24/2018
MW 49A	Copper	4/22/2020	4.7	13.7	---	1300	10/17/2022	NA	4/24/2018
MW 49A	Copper	10/1/2020	4.0	13.7	---	1300	10/17/2022	NA	4/24/2018
MW 49A	Copper	4/8/2021	<4	13.7	---	1300	10/17/2022	NA	4/24/2018
MW 49A	Copper	10/29/2021	7.0	13.7	---	1300	10/17/2022	NA	4/24/2018
MW 49A	Copper	4/25/2022	6.6	13.7	---	1300	10/17/2022	NA	4/24/2018
MW 49A	Copper	10/17/2022	13.9	13.7	1.604	1300	10/17/2022	NA	4/24/2018
MW 49A	Copper	4/10/2023	39.5	13.7	0.000	1300	10/17/2022	NA	4/24/2018
MW 49A	Copper	10/27/2023	5.4	13.7	0.000	1300	10/17/2022	NA	4/24/2018
MW 49A	Copper	4/2/2024	5.3	11.3	0.000	1300	10/17/2022	NA	4/24/2018
MW 49A	Copper	10/10/2024	<4	11.3	0.000	1300	10/17/2022	NA	4/24/2018
MW 49A	Copper	4/15/2025	9.3	11.3	2.915	1300	10/17/2022	NA	4/24/2018
MW 49A	Copper	10/16/2025	<5	11.3	1.876	1300	10/17/2022	NA	4/24/2018

Table 7
Summary of Ongoing & Newly Identified SSI
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Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

KEY:

SSI

SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 49A	Nickel	4/21/2016	38.5	31.6	---	100	4/21/2016	NA	4/24/2018
MW 49A	Nickel	10/17/2016	<4.0	31.6	---	100	4/21/2016	NA	4/24/2018
MW 49A	Nickel	4/21/2017	37.6	31.6	7.606	100	4/21/2016	NA	4/24/2018
MW 49A	Nickel	10/16/2017	13.3	31.6	1.499	100	4/21/2016	NA	4/24/2018
MW 49A	Nickel	4/24/2018	61.9	31.6	0.000	100	4/21/2016	NA	4/24/2018
MW 49A	Nickel	10/25/2018	9.3	31.6	1.859	100	4/21/2016	NA	4/24/2018
MW 49A	Nickel	4/15/2019	41.9	31.6	2.339	100	4/21/2016	NA	4/24/2018
MW 49A	Nickel	10/7/2019	7.4	31.6	0.000	100	4/21/2016	NA	4/24/2018
MW 49A	Nickel	4/22/2020	49.6	31.6	1.367	100	4/21/2016	NA	4/24/2018
MW 49A	Nickel	10/1/2020	46.9	20.5	13.362	100	4/21/2016	NA	4/24/2018
MW 49A	Nickel	4/8/2021	48.9	20.5	14.009	100	4/21/2016	NA	4/24/2018
MW 49A	Nickel	10/29/2021	7.3	20.5	13.926	100	4/21/2016	NA	4/24/2018
MW 49A	Nickel	4/25/2022	50.7	22.1	13.954	100	4/21/2016	NA	4/24/2018
MW 49A	Nickel	10/17/2022	54.3	22.1	14.287	100	4/21/2016	NA	4/24/2018
MW 49A	Nickel	4/10/2023	55.4	22.1	14.670	100	4/21/2016	NA	4/24/2018
MW 49A	Nickel	10/27/2023	50.5	31.6	49.789	100	4/21/2016	NA	4/24/2018
MW 49A	Nickel	4/2/2024	49.4	31.6	48.989	100	4/21/2016	NA	4/24/2018
MW 49A	Nickel	10/10/2024	45.6	31.6	46.728	100	4/21/2016	NA	4/24/2018
MW 49A	Nickel	4/15/2025	41.1	31.6	41.646	100	4/21/2016	NA	4/24/2018
MW 49A	Nickel	10/16/2025	45.7	31.6	41.455	100	4/21/2016	NA	4/24/2018

Table 7
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KEY:	SSI	SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 49A	Acetone	4/21/2016	<10	10	---	6300	10/29/2021	NA	4/24/2018
MW 49A	Acetone	10/17/2016	<10	10	---	6300	10/29/2021	NA	4/24/2018
MW 49A	Acetone	4/21/2017	<10	10	---	6300	10/29/2021	NA	4/24/2018
MW 49A	Acetone	10/16/2017	<10	10	---	6300	10/29/2021	NA	4/24/2018
MW 49A	Acetone	4/24/2018	<10	10	---	6300	10/29/2021	NA	4/24/2018
MW 49A	Acetone	10/25/2018	<10	10	---	6300	10/29/2021	NA	4/24/2018
MW 49A	Acetone	4/15/2019	<10	10	---	6300	10/29/2021	NA	4/24/2018
MW 49A	Acetone	10/7/2019	<10	10	---	6300	10/29/2021	NA	4/24/2018
MW 49A	Acetone	4/22/2020	<10	10	---	6300	10/29/2021	NA	4/24/2018
MW 49A	Acetone	10/1/2020	<10	10	---	6300	10/29/2021	NA	4/24/2018
MW 49A	Acetone	4/8/2021	<10	10	---	6300	10/29/2021	NA	4/24/2018
MW 49A	Acetone	10/29/2021	281.0	10	0.000	6300	10/29/2021	NA	4/24/2018
MW 49A	Acetone	4/25/2022	23.8	10	0.000	6300	10/29/2021	NA	4/24/2018
MW 49A	Acetone	10/17/2022	<10	10	0.000	6300	10/29/2021	NA	4/24/2018
MW 49A	Acetone	4/10/2023	<10	10	0.000	6300	10/29/2021	NA	4/24/2018
MW 49A	Acetone	10/27/2023	<10	10	0.000	6300	10/29/2021	NA	4/24/2018
MW 49A	Acetone	4/2/2024	<10	10	5.000	6300	10/29/2021	NA	4/24/2018
MW 49A	Acetone	10/10/2024	<10	10	5.000	6300	10/29/2021	NA	4/24/2018
MW 49A	Acetone	4/15/2025	<10	10	5.000	6300	10/29/2021	NA	4/24/2018
MW 49A	Acetone	10/16/2025	<10	10	5.000	6300	10/29/2021	NA	4/24/2018

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Summary of Ongoing & Newly Identified SSI

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Monitoring Well	Compound	Sample	Each	Prediction	95% LCL (ug/L)	GWPS	SSI	Resamples	5th Background
		Date	Result (ug/L)	Limit (ug/L)		Limit (ug/L)	Initial Exceedance		
MW 49A	Benzene	4/21/2016	3.4	1	2.411	5	4/21/2016	NA	4/24/2018
MW 49A	Benzene	10/17/2016	2.7	1	2.296	5	4/21/2016	NA	4/24/2018
MW 49A	Benzene	4/21/2017	1.6	1	1.311	5	4/21/2016	NA	4/24/2018
MW 49A	Benzene	10/16/2017	4.0	1	1.713	5	4/21/2016	NA	4/24/2018
MW 49A	Benzene	4/24/2018	3.4	1	1.713	5	4/21/2016	NA	4/24/2018
MW 49A	Benzene	10/25/2018	4.0	1	1.914	5	4/21/2016	NA	4/24/2018
MW 49A	Benzene	4/15/2019	3.2	1	3.165	5	4/21/2016	NA	4/24/2018
MW 49A	Benzene	10/7/2019	1.6	1	1.845	5	4/21/2016	NA	4/24/2018
MW 49A	Benzene	4/22/2020	2.4	1	1.585	5	4/21/2016	NA	4/24/2018
MW 49A	Benzene	10/1/2020	2.9	1	1.702	5	4/21/2016	NA	4/24/2018
MW 49A	Benzene	4/8/2021	3.4	1	1.672	5	4/21/2016	NA	4/24/2018
MW 49A	Benzene	10/29/2021	7.0	1	1.466	5	4/21/2016	NA	4/24/2018
MW 49A	Benzene	4/25/2022	5.9	1	2.485	5	4/21/2016	NA	4/24/2018
MW 49A	Benzene	10/17/2022	5.8	1	3.740	5	4/21/2016	NA	4/24/2018
MW 49A	Benzene	4/10/2023	4.2	1	4.369	5	4/21/2016	NA	4/24/2018
MW 49A	Benzene	10/27/2023	3.4	1	3.380	5	4/21/2016	NA	4/24/2018
MW 49A	Benzene	4/2/2024	2.8	1	2.521	5	4/21/2016	NA	4/24/2018
MW 49A	Benzene	10/10/2024	2.4	1	2.279	5	4/21/2016	NA	4/24/2018
MW 49A	Benzene	4/15/2025	4.6	1	2.172	5	4/21/2016	NA	4/24/2018
MW 49A	Benzene	10/16/2025	5.4	1	2.114	5	4/21/2016	NA	4/24/2018

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KEY:	SSI	SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 49A	chloroethane	4/21/2016	1.7	1	0.000	2,800.00	4/21/2016	NA	4/24/2018
MW 49A	chloroethane	10/17/2016	1.8	1	0.000	2,800.00	4/21/2016	NA	4/24/2018
MW 49A	chloroethane	4/21/2017	2.0	1	1.698	2,800.00	4/21/2016	NA	4/24/2018
MW 49A	chloroethane	10/16/2017	3.0	1	1.423	2,800.00	4/21/2016	NA	4/24/2018
MW 49A	chloroethane	4/24/2018	3.3	1	1.659	2,800.00	4/21/2016	NA	4/24/2018
MW 49A	chloroethane	10/25/2018	1.1	1	1.172	2,800.00	4/21/2016	NA	4/24/2018
MW 49A	chloroethane	4/15/2019	1.9	1	1.132	2,800.00	4/21/2016	NA	4/24/2018
MW 49A	chloroethane	10/7/2019	<1.0	1	0.275	2,800.00	4/21/2016	NA	4/24/2018
MW 49A	chloroethane	4/22/2020	2.0	1	0.541	2,800.00	4/21/2016	NA	4/24/2018
MW 49A	chloroethane	10/1/2020	2.7	1	0.691	2,800.00	4/21/2016	NA	4/24/2018
MW 49A	chloroethane	4/8/2021	5.7	1	0.154	2,800.00	4/21/2016	NA	4/24/2018
MW 49A	chloroethane	10/29/2021	6.3	1	1.657	2,800.00	4/21/2016	NA	4/24/2018
MW 49A	chloroethane	4/25/2022	5.4	1	3.149	2,800.00	4/21/2016	NA	4/24/2018
MW 49A	chloroethane	10/17/2022	4.9	1	4.887	2,800.00	4/21/2016	NA	4/24/2018
MW 49A	chloroethane	4/10/2023	3.5	1	3.649	2,800.00	4/21/2016	NA	4/24/2018
MW 49A	chloroethane	10/27/2023	3.0	1	2.866	2,800.00	4/21/2016	NA	4/24/2018
MW 49A	chloroethane	4/2/2024	3.5	1	2.763	2,800.00	4/21/2016	NA	4/24/2018
MW 49A	chloroethane	10/10/2024	2.4	1	2.485	2,800.00	4/21/2016	NA	4/24/2018
MW 49A	chloroethane	4/15/2025	3.8	1	2.454	2,800.00	4/21/2016	NA	4/24/2018
MW 49A	chloroethane	10/16/2025	4.0	1	2.586	2,800.00	4/21/2016	NA	4/24/2018

Table 7

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report

Rural Iowa Sanitary Landfill

Permit No.42-SDP-01-72P

KEY:

SSI

SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 49A	cis-1,2-dichloroethene	4/21/2016	<1.0	1	0.500	70	10/1/2020	NA	4/24/2018
MW 49A	cis-1,2-dichloroethene	10/17/2016	<1.0	1	0.500	70	10/1/2020	NA	4/24/2018
MW 49A	cis-1,2-dichloroethene	4/21/2017	<1.0	1	0.500	70	10/1/2020	NA	4/24/2018
MW 49A	cis-1,2-dichloroethene	10/16/2017	<1.0	1	0.500	70	10/1/2020	NA	4/24/2018
MW 49A	cis-1,2-dichloroethene	4/24/2018	<1.0	1	0.500	70	10/1/2020	NA	4/24/2018
MW 49A	cis-1,2-dichloroethene	10/25/2018	<1.0	1	0.500	70	10/1/2020	NA	4/24/2018
MW 49A	cis-1,2-dichloroethene	4/15/2019	<1.0	1	0.500	70	10/1/2020	NA	4/24/2018
MW 49A	cis-1,2-dichloroethene	10/7/2019	<1.0	1	0.500	70	10/1/2020	NA	4/24/2018
MW 49A	cis-1,2-dichloroethene	4/22/2020	<1.0	1	0.500	70	10/1/2020	NA	4/24/2018
MW 49A	cis-1,2-dichloroethene	10/1/2020	1.2	1	0.263	70	10/1/2020	NA	4/24/2018
MW 49A	cis-1,2-dichloroethene	4/8/2021	3.9	1	0.000	70	10/1/2020	NA	4/24/2018
MW 49A	cis-1,2-dichloroethene	10/29/2021	8	1	0.000	70	10/1/2020	NA	4/24/2018
MW 49A	cis-1,2-dichloroethene	4/25/2022	6.4	1	1.376	70	10/1/2020	NA	4/24/2018
MW 49A	cis-1,2-dichloroethene	10/17/2022	3.4	1	2.883	70	10/1/2020	NA	4/24/2018
MW 49A	cis-1,2-dichloroethene	4/10/2023	1.4	1	1.316	70	10/1/2020	NA	4/24/2018
MW 49A	cis-1,2-dichloroethene	10/27/2023	2.7	1	0.983	70	10/1/2020	NA	4/24/2018
MW 49A	cis-1,2-dichloroethene	4/2/2024	3.6	1	1.605	70	10/1/2020	NA	4/24/2018
MW 49A	cis-1,2-dichloroethene	10/10/2024	1.8	1	1.221	70	10/1/2020	NA	4/24/2018
MW 49A	cis-1,2-dichloroethene	4/15/2025	5.2	1	1.619	70	10/1/2020	NA	4/24/2018
MW 49A	cis-1,2-dichloroethene	10/16/2025	4.5	1	2.045	70	10/1/2020	NA	4/24/2018

Table 7
Summary of Ongoing & Newly Identified SSI
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Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

KEY:	SSI	SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW 49A	vinyl chloride	4/21/2016	<1.0	1	0.31	2	10/16/2017	NA	4/24/2018
MW 49A	vinyl chloride	10/17/2016	<1.0	1	0.162	2	10/16/2017	NA	4/24/2018
MW 49A	vinyl chloride	4/21/2017	<1.0	1	0.5	2	10/16/2017	NA	4/24/2018
MW 49A	vinyl chloride	10/16/2017	1.3	1	0.229	2	10/16/2017	NA	4/24/2018
MW 49A	vinyl chloride	4/24/2018	1.1	1	0.365	2	10/16/2017	NA	4/24/2018
MW 49A	vinyl chloride	10/25/2018	<1.0	1	0.365	2	10/16/2017	NA	4/24/2018
MW 49A	vinyl chloride	4/15/2019	<1.0	1	0.365	2	10/16/2017	NA	4/24/2018
MW 49A	vinyl chloride	10/7/2019	<1.0	1	0.297	2	10/16/2017	NA	4/24/2018
MW 49A	vinyl chloride	4/22/2020	<1.0	1	0.500	2	10/16/2017	NA	4/24/2018
MW 49A	vinyl chloride	10/1/2020	<1.0	1	0.500	2	10/16/2017	NA	4/24/2018
MW 49A	vinyl chloride	4/8/2021	3.2	1	0.000	2	10/16/2017	NA	4/24/2018
MW 49A	vinyl chloride	10/29/2021	5	1	0.000	2	10/16/2017	NA	4/24/2018
MW 49A	vinyl chloride	4/25/2022	3.9	1	0.897	2	10/16/2017	NA	4/24/2018
MW 49A	vinyl chloride	10/17/2022	2.7	1	2.528	2	10/16/2017	NA	4/24/2018
MW 49A	vinyl chloride	4/10/2023	1.6	1	1.569	2	10/16/2017	NA	4/24/2018
MW 49A	vinyl chloride	10/27/2023	1.4	1	1.045	2	10/16/2017	NA	4/24/2018
MW 49A	vinyl chloride	4/2/2024	2.9	1	1.257	2	10/16/2017	NA	4/24/2018
MW 49A	vinyl chloride	10/10/2024	1.8	1	1.137	2	10/16/2017	NA	4/24/2018
MW 49A	vinyl chloride	4/15/2025	4.5	1	1.019	2	10/16/2017	NA	4/24/2018
MW 49A	vinyl chloride	10/16/2025	6.3	1	1.569	2	10/16/2017	NA	4/24/2018

Bold GWPS = A Site Specific GWPS that is equal to the Prediction Limit. All other GWPS are IAC 567-137 Statewide Standards for Protected Groundwater.

Table 8 - Summary of Ongoing and Newly Identified SSL

Table 8
Summary of Ongoing & Newly Identified SSL
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

KEY:

SSI

SSL LCL>GWPS

SSL UCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)	SSL Initial Exceedance	Compliance Date 1st Occurrence	Compliance Date Most Recent	Compliance Date Duration (years)
MW 7	Arsenic	4/21/2016	146	288.709	89.3	4/21/2016	NA	NA	NA
MW 7	Arsenic	10/17/2016	165	210.090	89.3	4/21/2016	NA	NA	NA
MW 7	Arsenic	4/21/2017	197	217.277	89.3	4/21/2016	NA	NA	NA
MW 7	Arsenic	10/16/2017	115	196.173	89.3	4/21/2016	NA	NA	NA
MW 7	Arsenic	4/24/2018	<4.0	220.258	89.3	4/21/2016	NA	NA	NA
MW 7	Arsenic	10/25/2018	36.6	189.853	89.3	4/21/2016	NA	NA	NA
MW 7	Arsenic	4/15/2019	457	397.711	89.3	4/21/2016	NA	NA	NA
MW 7	Arsenic	10/7/2019	33.5	387.585	89.3	4/21/2016	NA	NA	NA
MW 7	Arsenic	4/22/2020	88.8	393.471	89.3	4/21/2016	NA	NA	NA
MW 7	Arsenic	10/1/2020	306	452.183	89.3	4/21/2016	NA	NA	NA
MW 7	Arsenic	4/8/2021	181	292.485	89.3	4/21/2016	NA	NA	NA
MW 7	Arsenic	10/29/2021	117	286.797	89.3	4/21/2016	NA	NA	NA
MW 7	Arsenic	4/25/2022	104	285.631	89.3	4/21/2016	NA	NA	NA
MW 7	Arsenic	10/17/2022	255	245.686	89.3	4/21/2016	NA	NA	NA
MW 7	Arsenic	4/10/2023	158	238.870	89.3	4/21/2016	NA	NA	NA
MW 7	Arsenic	10/27/2023	275	293.112	89.3	4/21/2016	NA	NA	NA
MW 7	Arsenic	4/2/2024	167	284.153	89.3	4/21/2016	NA	NA	NA
MW 7	Arsenic	10/10/2024	215	266.901	89.3	4/21/2016	NA	NA	NA
MW 7	Arsenic	4/15/2025	608	550.866	89.3	4/21/2016	NA	NA	NA
MW 7	Arsenic	10/6/2025	212	543.018	89.3	4/21/2016	NA	NA	NA

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)	SSL Initial Exceedance	Compliance Date 1st Occurrence	Compliance Date Most Recent	Compliance Date Duration (years)
MW 13R	Arsenic	4/21/2016	299	265.775	89.3	10/16/2017	NA	NA	NA
MW 13R	Arsenic	10/17/2016	143	273.513	89.3	10/16/2017	NA	NA	NA
MW 13R	Arsenic	4/21/2017	156	280.641	89.3	10/16/2017	NA	NA	NA
MW 13R	Arsenic	10/16/2017	179	278.239	89.3	10/16/2017	NA	NA	NA
MW 13R	Arsenic	4/24/2018	105	182.188	89.3	10/16/2017	NA	NA	NA
MW 13R	Arsenic	10/25/2018	75.3	184.367	89.3	10/16/2017	NA	NA	NA
MW 13R	Arsenic	4/15/2019	145	179.470	89.3	10/16/2017	NA	NA	NA
MW 13R	Arsenic	10/7/2019	72.2	139.157	89.3	10/16/2017	NA	NA	NA
MW 13R	Arsenic	4/22/2020	506	443.113	89.3	10/16/2017	NA	NA	NA
MW 13R	Arsenic	10/1/2020	140	446.700	89.3	10/16/2017	NA	NA	NA
MW 13R	Arsenic	4/8/2021	118	444.274	89.3	10/16/2017	NA	NA	NA
MW 13R	Arsenic	10/29/2021	161	447.694	89.3	10/16/2017	NA	NA	NA
MW 13R	Arsenic	4/25/2022	252	236.971	89.3	10/16/2017	NA	NA	NA
MW 13R	Arsenic	10/17/2022	124	236.480	89.3	10/16/2017	NA	NA	NA
MW 13R	Arsenic	4/10/2023	193	246.299	89.3	10/16/2017	NA	NA	NA
MW 13R	Arsenic	10/27/2023	82.7	250.924	89.3	10/16/2017	NA	NA	NA
MW 13R	Arsenic	4/2/2024	88.7	181.687	89.3	10/16/2017	NA	NA	NA
MW 13R	Arsenic	10/10/2024	192	211.690	89.3	10/16/2017	NA	NA	NA
MW 13R	Arsenic	4/15/2025	183	205.930	89.3	10/16/2017	NA	NA	NA
MW 13R	Arsenic	10/6/2025	209	231.776	89.3	10/16/2017	NA	NA	NA

Table 8
Summary of Ongoing & Newly Identified SSL
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SSL UCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)	SSL Initial Exceedance	Compliance Date 1st Occurrence	Compliance Date Most Recent	Compliance Date Duration (years)
MW 13R	Cobalt	4/21/2016	20	22.869	34.1	10/16/2017	NA	NA	NA
MW 13R	Cobalt	10/17/2016	16.3	23.231	34.1	10/16/2017	NA	NA	NA
MW 13R	Cobalt	4/21/2017	15.6	21.225	34.1	10/16/2017	NA	NA	NA
MW 13R	Cobalt	10/16/2017	14.7	19.388	12.4	10/16/2017	NA	NA	NA
MW 13R	Cobalt	4/24/2018	14.9	16.231	12.4	10/16/2017	NA	NA	NA
MW 13R	Cobalt	10/25/2018	5.6	18.286	12.4	10/16/2017	NA	NA	NA
MW 13R	Cobalt	4/15/2019	13.5	17.382	12.4	10/16/2017	NA	NA	NA
MW 13R	Cobalt	10/7/2019	10.4	15.947	12.4	10/16/2017	NA	NA	NA
MW 13R	Cobalt	4/22/2020	18.7	18.516	12.4	10/16/2017	NA	NA	NA
MW 13R	Cobalt	10/1/2020	8.5	18.016	12.4	10/16/2017	NA	NA	NA
MW 13R	Cobalt	4/8/2021	9.3	17.271	12.4	10/16/2017	NA	NA	NA
MW 13R	Cobalt	10/29/2021	6.9	17.117	12.4	10/16/2017	NA	NA	NA
MW 13R	Cobalt	4/25/2022	8.5	9.484	12.4	10/16/2017	4/25/2022	4/25/2022	0.0
MW 13R	Cobalt	10/17/2022	8.8	9.595	12.4	10/16/2017	4/25/2022	10/17/2022	0.5
MW 13R	Cobalt	4/10/2023	4.3	9.548	12.4	10/16/2017	4/25/2022	4/10/2023	1.0
MW 13R	Cobalt	10/27/2023	9.0	10.288	12.4	10/16/2017	4/25/2022	10/27/2023	1.5
MW 13R	Cobalt	4/2/2024	4.6	9.702	12.4	10/16/2017	4/25/2022	4/2/2024	2.0
MW 13R	Cobalt	10/10/2024	3.6	8.260	12.4	10/16/2017	4/25/2022	10/10/2024	2.5
MW 13R	Cobalt	4/15/2025	3.3	8.233	12.4	10/16/2017	4/25/2022	10/10/2024	3.0
MW 13R	Cobalt	10/6/2025	2.7	4.484	12.4	10/16/2017	4/25/2022	10/10/2024	3.5

Table 8
Summary of Ongoing & Newly Identified SSL
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SSL UCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)	SSL Initial Exceedance	Compliance Date 1st Occurrence	Compliance Date Most Recent	Compliance Date Duration (years)
MW 13R	Benzene	4/21/2016	7.1	8.353	5	10/17/2016	NA	NA	NA
MW 13R	Benzene	10/17/2016	7.4	7.600	5	10/17/2016	NA	NA	NA
MW 13R	Benzene	4/21/2017	6	7.665	5	10/17/2016	NA	NA	NA
MW 13R	Benzene	10/16/2017	5	7.665	5	10/17/2016	NA	NA	NA
MW 13R	Benzene	4/24/2018	5	7.186	5	10/17/2016	NA	NA	NA
MW 13R	Benzene	10/25/2018	5	5.838	5	10/17/2016	NA	NA	NA
MW 13R	Benzene	4/15/2019	4.9	5.034	5	10/17/2016	NA	NA	NA
MW 13R	Benzene	10/7/2019	2.5	5.802	5	10/17/2016	NA	NA	NA
MW 13R	Benzene	4/22/2020	4.6	5.637	5	10/17/2016	NA	NA	NA
MW 13R	Benzene	10/1/2020	4.2	5.311	5	10/17/2016	NA	NA	NA
MW 13R	Benzene	4/8/2021	3.6	4.800	5	10/17/2016	4/8/2021	4/8/2021	0.0
MW 13R	Benzene	10/29/2021	4.0	4.590	5	10/17/2016	4/8/2021	10/29/2021	0.5
MW 13R	Benzene	4/25/2022	4.9	4.815	5	10/17/2016	4/8/2021	4/25/2022	1.0
MW 13R	Benzene	10/17/2022	2.6	4.897	5	10/17/2016	4/8/2021	10/17/2022	1.5
MW 13R	Benzene	4/10/2023	5.1	5.489	5	10/17/2016	4/8/2021	4/10/2023	2.0
MW 13R	Benzene	10/27/2023	1.1	5.684	5	10/17/2016	4/8/2021	10/27/2023	0.0
MW 13R	Benzene	4/2/2024	2.1	4.727	5	10/17/2016	4/8/2021	4/2/2024	0.0
MW 13R	Benzene	10/10/2024	2.8	4.774	5	10/17/2016	4/8/2021	10/10/2024	0.5
MW 13R	Benzene	4/15/2025	3.1	3.320	5	10/17/2016	4/8/2021	10/10/2024	1.0
MW 13R	Benzene	10/6/2025	4.2	4.078	5	10/17/2016	4/8/2021	10/10/2024	1.5

Table 8
Summary of Ongoing & Newly Identified SSL
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SSL LCL>GWPS

SSL UCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)	SSL Initial Exceedance	Compliance Date 1st Occurrence	Compliance Date Most Recent	Compliance Date Duration (years)
MW 14	Cobalt	4/21/2016	1.4	48.560	34.1	NA	NA	NA	NA
MW 14	Cobalt	10/17/2016	16.3	46.577	34.1	NA	NA	NA	NA
MW 14	Cobalt	4/21/2017	7.7	14.999	34.1	NA	NA	NA	NA
MW 14	Cobalt	10/16/2017	16.0	18.219	12.4	NA	NA	NA	NA
MW 14	Cobalt	4/24/2018	16.9	18.011	12.4	NA	NA	NA	NA
MW 14	Cobalt	10/25/2018	4.2	18.916	12.4	NA	NA	NA	NA
MW 14	Cobalt	4/15/2019	27.3	26.384	12.4	NA	NA	NA	NA
MW 14	Cobalt	10/7/2019	10.0	26.282	12.4	NA	NA	NA	NA
MW 14	Cobalt	4/22/2020	6.9	24.341	12.4	NA	NA	NA	NA
MW 14	Cobalt	10/1/2020	11.5	24.653	12.4	NA	NA	NA	NA
MW 14	Cobalt	4/8/2021	21.2	19.659	12.4	NA	NA	NA	NA
MW 14	Cobalt	10/29/2021	14.4	20.547	12.4	NA	NA	NA	NA
MW 14	Cobalt	4/25/2022	13.1	20.071	12.4	NA	NA	NA	NA
MW 14	Cobalt	10/17/2022	13.1	20.016	12.4	NA	NA	NA	NA
MW 14	Cobalt	4/10/2023	14.8	14.887	12.4	NA	NA	NA	NA
MW 14	Cobalt	10/27/2023	16.4	16.214	12.4	NA	NA	NA	NA
MW 14	Cobalt	4/2/2024	20.8	20.161	12.4	NA	NA	NA	NA
MW 14	Cobalt	10/10/2024	9.9	20.768	12.4	NA	NA	NA	NA
MW 14	Cobalt	4/15/2025	14.3	20.681	12.4	NA	NA	NA	NA
MW 14	Cobalt	10/6/2025	10.3	19.773	12.4	NA	NA	NA	NA

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)	SSL Initial Exceedance	Compliance Date 1st Occurrence	Compliance Date Most Recent	Compliance Date Duration (years)
MW 49A	Cobalt	4/21/2016	14.5	15.404	34.1	None	NA	NA	NA
MW 49A	Cobalt	10/17/2016	1.1	18.863	34.1	None	NA	NA	NA
MW 49A	Cobalt	4/21/2017	14.9	19.529	34.1	None	NA	NA	NA
MW 49A	Cobalt	10/16/2017	5.9	17.05	12.4	None	NA	NA	NA
MW 49A	Cobalt	4/24/2018	24.5	23.749	12.4	None	NA	NA	NA
MW 49A	Cobalt	10/25/2018	7.3	23.193	12.4	None	NA	NA	NA
MW 49A	Cobalt	4/15/2019	18	24.347	12.4	None	NA	NA	NA
MW 49A	Cobalt	10/7/2019	2.7	24.805	12.4	None	NA	NA	NA
MW 49A	Cobalt	4/22/2020	19.1	21.253	12.4	None	NA	NA	NA
MW 49A	Cobalt	10/1/2020	16.8	23.197	12.4	None	NA	NA	NA
MW 49A	Cobalt	4/8/2021	21.0	24.678	12.4	None	NA	NA	NA
MW 49A	Cobalt	10/29/2021	2.6	24.711	12.4	None	NA	NA	NA
MW 49A	Cobalt	4/25/2022	16.5	23.656	12.4	None	NA	NA	NA
MW 49A	Cobalt	10/17/2022	20.3	25.175	12.4	None	NA	NA	NA
MW 49A	Cobalt	4/10/2023	20.6	24.969	12.4	None	NA	NA	NA
MW 49A	Cobalt	10/27/2023	20.5	21.813	12.4	None	NA	NA	NA
MW 49A	Cobalt	4/2/2024	19.9	20.689	12.4	None	NA	NA	NA
MW 49A	Cobalt	10/10/2024	10.2	23.711	12.4	None	NA	NA	NA
MW 49A	Cobalt	4/15/2025	13.2	21.907	12.4	None	NA	NA	NA
MW 49A	Cobalt	10/16/2025	14.8	19.300	12.4	None	NA	NA	NA

Table 8
Summary of Ongoing & Newly Identified SSL
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

KEY:	SSI	SSL LCL>GWPS	SSL UCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)	SSL Initial Exceedance	Compliance Date 1st Occurrence	Compliance Date Most Recent	Compliance Date Duration (years)
MW 49A	vinyl chloride	4/21/2016	<1.0	1.74	2	None	NA	NA	NA
MW 49A	vinyl chloride	10/17/2016	<1.0	1.336	2	None	NA	NA	NA
MW 49A	vinyl chloride	4/21/2017	<1.0	0.5	2	None	NA	NA	NA
MW 49A	vinyl chloride	10/16/2017	1.3	1.171	2	None	NA	NA	NA
MW 49A	vinyl chloride	4/24/2018	1.1	1.335	2	None	NA	NA	NA
MW 49A	vinyl chloride	10/25/2018	<1.0	1.335	2	None	NA	NA	NA
MW 49A	vinyl chloride	4/15/2019	<1.0	1.335	2	None	NA	NA	NA
MW 49A	vinyl chloride	10/7/2019	<1.0	1.003	2	None	NA	NA	NA
MW 49A	vinyl chloride	4/22/2020	<1.0	0.500	2	None	NA	NA	NA
MW 49A	vinyl chloride	10/1/2020	<1.0	0.500	2	None	NA	NA	NA
MW 49A	vinyl chloride	4/8/2021	3.2	2.763	2	None	NA	NA	NA
MW 49A	vinyl chloride	10/29/2021	5	4.893	2	None	NA	NA	NA
MW 49A	vinyl chloride	4/25/2022	3.9	5.403	2	None	NA	NA	NA
MW 49A	vinyl chloride	10/17/2022	2.7	4.872	2	None	NA	NA	NA
MW 49A	vinyl chloride	4/10/2023	1.6	5.031	2	None	NA	NA	NA
MW 49A	vinyl chloride	10/27/2023	1.4	3.755	2	None	NA	NA	NA
MW 49A	vinyl chloride	4/2/2024	2.9	3.043	2	None	NA	NA	NA
MW 49A	vinyl chloride	10/10/2024	1.8	2.713	2	None	NA	NA	NA
MW 49A	vinyl chloride	4/15/2025	4.5	4.281	2	None	NA	NA	NA
MW 49A	vinyl chloride	10/16/2025	6.3	6.181	2	None	NA	NA	NA

Bold GWPS = A Site Specific GWPS that is equal to the Prediction Limit. All other GWPS are IAC 567-137 Statewide Standards for Protected Groundwater.

Table 9 – Analytical Data Summary

Table 9

Analytical Data Summary for GU-3

Constituents	Units	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017	4/24/2018	7/12/2018	10/25/2018
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1		<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1		<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1		<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1		<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1		<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1		<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1		<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1		<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1		<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1		<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1		<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1		<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1		<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5		<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5		<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5		<5
Acetone	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5		<5
Aluminum, total	ug/L								
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2		<2
Arsenic, total	ug/L	14.1	7.8	10.1	6.1	9.4	8.1		9.1
Barium, total	ug/L	216	161	203	169	220	209		218
Benzene	ug/L	<1	<1	<1	<1	<1	<1		<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0
Bod (5 day)	mg/L								
Boron, total	ug/L								
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1		<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1		<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1		<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1		<1
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8		<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1		<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1		<1
Chloride	mg/L								
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1		<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1		<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1		<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1		<1
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8		<8
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1		<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1		<1
Cobalt, total	ug/L	.8	1.2	<.8	<.8	<.8	<.8		<.8
Copper, total	ug/L	<4	<4	<4	<4	<4	<4		<4
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1		<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1		<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1		<1
Fluoride	mg/L								
Iron, total	ug/L								
Lead, total	ug/L	<4	<4	<4	<4	<4	<4		<4
Lithium, total	ug/L								
Manganese, total	ug/L								
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1		<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5		<5
Molybdenum, total	ug/L								
Nickel, total	ug/L	<4	<4	<4	<4	<4	<20		<4
Nitrogen, ammonia	mg/L								
Nitrogen, kjeldahl, total	mg/L								
Nitrogen, Nitrate+Nitrite	mg/L								
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4		<4
Silica, dissolved	mg/L								
Silver, total	ug/L	<4	<4	<4	<4	<4	<4		<4
Solids, total suspended	mg/L								
Styrene	ug/L	<1	<1	<1	<1	<1	<1		<1
Sulfate	mg/L								
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1		<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1		<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1		<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1		<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5		<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1		<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1		<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20		<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5		<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1		<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2		<2
Zinc, total	ug/L	<8.0	<20.0	<8.0	<8.0	<8.0	29.8	<20.0	<20.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for GU-3

Constituents	4/15/2019	10/7/2019	4/22/2020	10/2/2020	4/8/2021	7/1/2021	10/29/2021	4/25/2022	4/10/2023
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1		<1		<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1		<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1		<1		<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1		<1		<1
1,1-dichloroethane	<1	<1	<1	<1	<1		<1		<1
1,1-dichloroethylene	<1	<1	<1	<1	<1		<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1		<1		<1
1,2-dibromo-3-chloropropane	<1	<1	<5	<5	<5		<5		<5
1,2-dibromoethane	<1	<1	<1	<1	<1		<1		<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1		<1		<1
1,2-dichloroethane	<1	<1	<1	<1	<1		<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1		<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1		<1		<1
2-butanone (mek)	<5	<5	<5	<5	<5		<5		<10
2-hexanone (mbk)	<5	<5	<5	<5	<5		<5		<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5		<5		<5
Acetone	<10.0	<10.0	<10.0	<10.0	15.8	<10.0	<10.0		<10.0
Acrylonitrile	<5	<5	<5	<5	<5		<5		<5
Aluminum, total								51	
Antimony, total	<2	<2	<2	<2	<2		<2		<2
Arsenic, total	6.2	8.4	7.2	7.6	5.4		7.2	6.1	7.8
Barium, total	200	199	191	198	181		207		199
Benzene	<1	<1	<1	<1	<1		<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0
Bod (5 day)								<5	
Boron, total								<100	
Bromochloromethane	<1	<1	<1	<1	<1		<1		<1
Bromodichloromethane	<1	<1	<1	<1	<1		<1	<1	<1
Bromoform	<1	<1	<1	<1	<1		<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1		<1		<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8		<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1		<1		<1
Carbon tetrachloride	<1	<1	<1	<1	<1		<1	<1	<1
Chloride								83.4	
Chlorobenzene	<1	<1	<1	<1	<1		<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1		<1		<1
Chloroform	<1	<1	<1	<1	<1		<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1		<1		<1
Chromium, total	<8	<8	<8	<8	<8		<8		<8
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1		<1		<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1		<1		<1
Cobalt, total	<.8	<.8	.5	<.4	.4		<.4	<.4	.4
Copper, total	<.4	<.4	<.4	<.4	<.4		<.4	<.4	<.4
Dibromochloromethane	<1	<1	<1	<1	<1		<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1		<1		<1
Ethylbenzene	<1	<1	<1	<1	<1		<1	<1	<1
Fluoride								.2	
Iron, total								12000	
Lead, total	<4	<4	<4	<4	<4		<4	<4	<4
Lithium, total								61	
Manganese, total								1120	
Methyl iodide	<1	<1	<1	<1	<1		<1		<1
Methylene chloride	<5	<5	<5	<5	<5		<5		<5
Molybdenum, total								<.4	
Nickel, total	<4	<4	<4	<4	<4		<4	<.4	<4
Nitrogen, ammonia								.87	
Nitrogen, kjeldahl, total								1.18	
Nitrogen, Nitrate+Nitrite								.16	
Selenium, total	<4	<4	<4	<4	<4		<4	<.4	<4
Silica, dissolved								27.1	
Silver, total	<4	<4	<4	<4	<4		<4		<4
Solids, total suspended								29	
Styrene	<1	<1	<1	<1	<1		<1		<1
Sulfate								183	
Tetrachloroethylene	<1	<1	<1	<1	<1		<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0		<2.0		<2.0
Toluene	<1	<1	<1	<1	<1		<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1		<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1		<1		<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5		<5		<5
Trichloroethylene	<1	<1	<1	<1	<1		<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1		<1		<1
Vanadium, total	<20	<20	<20	<20	<20		<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5		<5		<5
Vinyl chloride	<1	<1	<1	<1	<1		<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2		<2		<2
Zinc, total	<8.0	<8.0	<20.0	<20.0	<20.0		<20.0	<20.0	<20.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for GU-3

Constituents	10/27/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	<5	<5	<5	<5	<5
Aluminum, total					
Antimony, total	<2	<2	<2	<1	<1
Arsenic, total	6.5	6.3	7.4	8.1	10.3
Barium, total	213	201	184	208	183
Benzene	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<.5	<.5
Bod (5 day)					
Boron, total					
Bromochloromethane	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.2	<.2
Carbon disulfide	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1
Chloride					
Chlorobenzene	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1
Chromium, total	<8	<8	<8	1	<1
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1
Cobalt, total	<.4	<.4	.8	1.1	.5
Copper, total	<4	<4	<4	<5	<5
Dibromochloromethane	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1
Fluoride					
Iron, total					
Lead, total	<4	<4	<4	<1	<1
Lithium, total					
Manganese, total					
Methyl iodide	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5
Molybdenum, total					
Nickel, total	<4	<4	<4	<5	<5
Nitrogen, ammonia					
Nitrogen, kjeldahl, total					
Nitrogen, Nitrate+Nitrite					
Selenium, total	<4	<4	<4	<2	<2
Silica, dissolved					
Silver, total	<4	<4	<4	<5	<5
Solids, total suspended					
Styrene	<1	<1	<1	<1	<1
Sulfate					
Tetrachloroethylene	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<.5	<.5
Toluene	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<5.0	6.8

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-13R

Constituents	Units	10/23/2014	4/1/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017	4/24/2018
(3,4)-methylphenol	ug/L							12	<10
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L							<1	
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L							<8	
1,2,4-trichlorobenzene	ug/L							<1	
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	1.1	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-dinitrobenzene	ug/L							<8	
1,3,5-trinitrobenzene	ug/L							<8	
1,3-dichlorobenzene	ug/L							<1	
1,3-dichloropropane	ug/L							<1	
1,3-dinitrobenzene	ug/L							<8	
1,4-dichlorobenzene	ug/L	<1.0	<1.0	1.1	1.1	1.3	1.2	1.2	1.1
1,4-naphthoquinone	ug/L							<8	
1,4-phenylenediamine	ug/L							<8	
1-naphthylamine	ug/L							<8	
2,2-dichloropropane	ug/L							<1	
2,3,4,6-tetrachlorophenol	ug/L							<8	
2,4,5-t	ug/L							<5	
2,4,5-tp (silvex)	ug/L							<5	
2,4,5-trichlorophenol	ug/L							<8	
2,4,6-trichlorophenol	ug/L							<8	
2,4-d	ug/L							<2	
2,4-dichlorophenol	ug/L							<8	
2,4-dimethylphenol	ug/L							<8	
2,4-dinitrophenol	ug/L							<8	
2,4-dinitrotoluene	ug/L							<8	
2,6-dichlorophenol	ug/L							<8	
2,6-dinitrotoluene	ug/L							<8	
2-acetylaminofluorene	ug/L							<8	
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L							<8	
2-chlorophenol	ug/L							<8	
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L							<8	
2-methylphenol	ug/L							<8	
2-naphthylamine	ug/L							<8	
2-nitroaniline	ug/L							<8	
2-nitrophenol	ug/L							<8	
3,3'-dichlorobenzidine	ug/L							<8	
3,3'-dimethylbenzidine	ug/L							<8	
3-methylcholanthrene	ug/L							<8	
3-nitroaniline	ug/L							<8	
4,4'-ddd	ug/L							<.05	
4,4'-dde	ug/L							<.05	
4,4'-ddt	ug/L							<.05	
4,6-dinitro-2-methylphenol	ug/L							<8	
4-aminobiphenyl	ug/L							<8	
4-bromophenyl phenyl ether	ug/L							<8	
4-chloro-3-methylphenol	ug/L							<8	
4-chloroaniline	ug/L							<8	
4-chlorophenyl phenyl ether	ug/L							<8	
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L							<8	
4-nitrophenol	ug/L							<8	
5-nitro-o-toluidine	ug/L							<8	
7,12-dimethylbenz(a)anthracene	ug/L							<8	
Acenaphthene	ug/L							<8	
Acenaphthylene	ug/L							<8	
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	ug/L							<10	
Acetophenone	ug/L							<8	
Acrolein	ug/L							<10	
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L							<.05	
Allyl chloride	ug/L							<1	
Alpha-bhc	ug/L							<.05	
Anthracene	ug/L							<8	

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-13R

Constituents	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/2/2020	4/8/2021	10/29/2021	4/25/2022	10/17/2022
(3,4)-methylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<8
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene									<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene									<8
1,2,4-trichlorobenzene									<1
1,2-dibromo-3-chloropropane	<1	<1	<1	<5	<5	<5	<5	<5	<1
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-dinitrobenzene									<8
1,3,5-trinitrobenzene									<8
1,3-dichlorobenzene									<1
1,3-dichloropropane									<1
1,3-dinitrobenzene									<8
1,4-dichlorobenzene	2.0	1.2	<1.0	1.1	1.3	1.0	1.4	1.2	1.4
1,4-naphthoquinone									<8
1,4-phenylenediamine									<8
1-naphthylamine									<8
2,2-dichloropropane									<1
2,3,4,6-tetrachlorophenol									<8
2,4,5-t									<5
2,4,5-tp (silvex)									<5
2,4,5-trichlorophenol									<8
2,4,6-trichlorophenol									<8
2,4-d									<2
2,4-dichlorophenol									<8
2,4-dimethylphenol									<8
2,4-dinitrophenol									<8
2,4-dinitrotoluene									<8
2,6-dichlorophenol									<8
2,6-dinitrotoluene									<8
2-acetylaminofluorene									<8
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<10	<5
2-chloronaphthalene									<8
2-chlorophenol									<8
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene									<8
2-methylphenol									<8
2-naphthylamine									<8
2-nitroaniline									<8
2-nitrophenol									<8
3,3'-dichlorobenzidine									<8
3,3'-dimethylbenzidine									<8
3-methylcholanthrene									<8
3-nitroaniline									<8
4,4'-ddd									<.05
4,4'-dde									<.05
4,4'-ddt									<.05
4,6-dinitro-2-methylphenol									<8
4-aminobiphenyl									<8
4-bromophenyl phenyl ether									<8
4-chloro-3-methylphenol									<8
4-chloroaniline									<8
4-chlorophenyl phenyl ether									<8
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline									<8
4-nitrophenol									<8
5-nitro-o-toluidine									<8
7,12-dimethylbenz(a)anthracene									<8
Acenaphthene									<8
Acenaphthylene									<8
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile									<10
Acetophenone									<8
Acrolein									<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin									<.05
Allyl chloride									<1
Alpha-bhc									<.05
Anthracene									<8

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-13R

Constituents	1/5/2023	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
(3,4)-methylphenol							
1,1,1,2-tetrachloroethane		<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane		<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane		<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane		<1	<1	<1	<1	<1	<1
1,1-dichloroethane		<1	<1	<1	<1	<1	<1
1,1-dichloroethylene		<1	<1	<1	<1	<1	<1
1,1-dichloropropene							
1,2,3-trichloropropane		<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene							
1,2,4-trichlorobenzene							
1,2-dibromo-3-chloropropane		<5	<5	<5	<5	<5	<5
1,2-dibromoethane		<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene		<1	<1	<1	<1	<1	<1
1,2-dichloroethane		<1	<1	<1	<1	<1	<1
1,2-dichloropropane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-dinitrobenzene							
1,3,5-trinitrobenzene							
1,3-dichlorobenzene							
1,3-dichloropropane							
1,3-dinitrobenzene							
1,4-dichlorobenzene		1.6	1.0	1.1	1.8	1.2	1.6
1,4-naphthoquinone							
1,4-phenylenediamine							
1-naphthylamine							
2,2-dichloropropane							
2,3,4,6-tetrachlorophenol							
2,4,5-t							
2,4,5-tp (silvex)							
2,4,5-trichlorophenol							
2,4,6-trichlorophenol							
2,4-d							
2,4-dichlorophenol							
2,4-dimethylphenol							
2,4-dinitrophenol							
2,4-dinitrotoluene							
2,6-dichlorophenol							
2,6-dinitrotoluene							
2-acetylaminofluorene							
2-butanone (mek)		<10	<10	<10	<10	<10	<10
2-chloronaphthalene							
2-chlorophenol							
2-hexanone (mbk)		<5	<5	<5	<5	<5	<5
2-methylnaphthalene							
2-methylphenol							
2-naphthylamine							
2-nitroaniline							
2-nitrophenol							
3,3'-dichlorobenzidine							
3,3'-dimethylbenzidine							
3-methylcholanthrene							
3-nitroaniline							
4,4'-ddd							
4,4'-dde							
4,4'-ddt							
4,6-dinitro-2-methylphenol							
4-aminobiphenyl							
4-bromophenyl phenyl ether							
4-chloro-3-methylphenol							
4-chloroaniline							
4-chlorophenyl phenyl ether							
4-methyl-2-pentanone (mibk)		<5	<5	<5	<5	<5	<5
4-nitroaniline							
4-nitrophenol							
5-nitro-o-toluidine							
7,12-dimethylbenz(a)anthracene							
Acenaphthene							
Acenaphthylene							
Acetone		<10	<10	<10	<10	<10	<10
Acetonitrile							
Acetophenone							
Acrolein							
Acrylonitrile		<5	<5	<5	<5	<5	<5
Aldrin							
Allyl chloride							
Alpha-bhc							
Anthracene							

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-13R

Constituents	Units	10/23/2014	4/1/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017	4/24/2018
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L							<1	
Arochlor 1221	ug/L							<2	
Arochlor 1232	ug/L							<2	
Arochlor 1242	ug/L							<2	
Arochlor 1248	ug/L							<2	
Arochlor 1254	ug/L							<1	
Arochlor 1260	ug/L							<1	
Arsenic, total	ug/L	86.0	104.0	63.7	299.0	143.0	156.0	179.0	105.0
Azobenzene	ug/L							<8	
Barium, total	ug/L	1090	1180	750	1230	1020	1010	1030	1000
Benzene	ug/L	2.5	6.2	7.2	7.1	7.4	6.0	5.0	5.0
Benzo(a)anthracene	ug/L							<8	
Benzo(a)pyrene	ug/L							<8	
Benzo(b)fluoranthene	ug/L							<8	
Benzo(g,h,i)perylene	ug/L							<8	
Benzo(k)fluoranthene	ug/L							<8	
Benzyl alcohol	ug/L							<8	
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L							<.05	
Bis (2-chloroethoxy) methane	ug/L							<8	
Bis(2-chloroethyl) ether	ug/L							<8	
Bis(2-chloroisopropyl) ether	ug/L							<8	
Bis(2-ethylhexyl) phthalate	ug/L	<10	<10	<10	<10	<10	<6	16	
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L							<8	
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L							<1	
Chlorobenzene	ug/L	14.4	24.8	30.3	23.2	29.9	26.4	27.9	30.4
Chlorobenzilate	ug/L							<8	
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L							<1	
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene	ug/L							<8	
Cis-1,2-dichloroethylene	ug/L	1.1	1.0	1.3	<1.0	1.1	<1.0	1.1	<1.0
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	14.8	20.3	6.9	20.0	16.3	15.6	14.7	14.9
Copper, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Cyanide, total	mg/L							<.005	
Delta-bhc	ug/L							<.05	
Diallate	ug/L							<8	
Dibenzo(a,h)anthracene	ug/L							<8	
Dibenzofuran	ug/L							<8	
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L							<1	
Dieldrin	ug/L							<.05	
Diethyl phthalate	ug/L							<8	
Dimethoate	ug/L							<.4	
Dimethylphthalate	ug/L							<8	
Di-n-butyl phthalate	ug/L							<8	
Di-n-octyl phthalate	ug/L							<8	
Dinoseb	ug/L							<.5	
Diphenylamine	ug/L							<8	
Disulfoton	ug/L							<.4	
Endosulfan i	ug/L							<.05	
Endosulfan ii	ug/L							<.05	
Endosulfan sulfate	ug/L							<.05	
Endrin	ug/L							<.05	
Endrin aldehyde	ug/L							<.05	
Ethyl methacrylate	ug/L							<10	
Ethyl methanesulfonate	ug/L							<8	
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L							<.4	
Fluoranthene	ug/L							<8	
Fluorene	ug/L							<8	
Gamma-bhc (lindane)	ug/L							<.05	
Heptachlor	ug/L							<.05	
Heptachlor epoxide	ug/L							<.05	
Hexachlorobenzene	ug/L							<.05	

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-13R

Constituents	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/2/2020	4/8/2021	10/29/2021	4/25/2022	10/17/2022
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016									<.1
Arochlor 1221									<.2
Arochlor 1232									<.2
Arochlor 1242									<.2
Arochlor 1248									<.2
Arochlor 1254									<.1
Arochlor 1260									<.1
Arsenic, total	75.3	145.0	72.2	506.0	140.0	118.0	161.0	252.0	124.0
Azobenzene									<8
Barium, total	597	1030	888	1720	679	871	801	942	761
Benzene	5.0	4.9	2.5	4.6	4.2	3.6	4.0	4.9	2.6
Benzo(a)anthracene									<8
Benzo(a)pyrene									<8
Benzo(b)fluoranthene									<8
Benzo(g,h,i)perylene									<8
Benzo(k)fluoranthene									<8
Benzyl alcohol									<8
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc									<.05
Bis (2-chloroethoxy) methane									<8
Bis(2-chloroethyl) ether									<8
Bis(2-chloroisopropyl) ether									<8
Bis(2-ethylhexyl) phthalate									7
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate									<8
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane									<.1
Chlorobenzene	27.8	29.1	29.7	27.7	35.0	34.1	37.6	37.2	38.1
Chlorobenzilate									<8
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene									<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene									<8
Cis-1,2-dichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.4
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	5.6	13.5	10.4	18.7	8.5	9.3	6.9	8.5	8.8
Copper, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Cyanide, total									<.005
Delta-bhc									<.05
Diallate									<8
Dibenzo(a,h)anthracene									<8
Dibenzofuran									<8
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane									<1
Dieldrin									<.05
Diethyl phthalate									<8
Dimethoate									<.4
Dimethylphthalate									<8
Di-n-butyl phthalate									<8
Di-n-octyl phthalate									<8
Dinoseb									<.5
Diphenylamine									<8
Disulfoton									<.4
Endosulfan i									<.05
Endosulfan ii									<.05
Endosulfan sulfate									<.05
Endrin									<.05
Endrin aldehyde									<.05
Ethyl methacrylate									<10
Ethyl methanesulfonate									<8
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur									<.4
Fluoranthene									<8
Fluorene									<8
Gamma-bhc (lindane)									<.05
Heptachlor									<.05
Heptachlor epoxide									<.05
Hexachlorobenzene									<.05

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-13R

Constituents	1/5/2023	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
Antimony, total		<2	<2	<2	<2	<1	<1
Arochlor 1016							
Arochlor 1221							
Arochlor 1232							
Arochlor 1242							
Arochlor 1248							
Arochlor 1254							
Arochlor 1260							
Arsenic, total		193.0	82.7	88.7	192.0	183.0	209.0
Azobenzene							
Barium, total		821	839	837	575	853	714
Benzene		5.1	1.1	2.1	2.8	3.1	4.2
Benzo(a)anthracene							
Benzo(a)pyrene							
Benzo(b)fluoranthene							
Benzo(g,h,i)perylene							
Benzo(k)fluoranthene							
Benzyl alcohol							
Beryllium, total		<4.0	<4.0	<4.0	<4.0	<.5	<.5
Beta-bhc							
Bis (2-chloroethoxy) methane							
Bis(2-chloroethyl) ether							
Bis(2-chloroisopropyl) ether							
Bis(2-ethylhexyl) phthalate	<6						
Bromochloromethane		<1	<1	<1	<1	<1	<1
Bromodichloromethane		<1	<1	<1	<1	<1	<1
Bromoform		<1	<1	<1	<1	<1	<1
Bromomethane		<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate							
Cadmium, total		<.8	<.8	<.8	<.8	<.2	<.2
Carbon disulfide		<1	<1	<1	<1	<1	<1
Carbon tetrachloride		<1	<1	<1	<1	<1	<1
Chlordane							
Chlorobenzene		43.9	26.8	36.7	43.4	34.0	43.1
Chlorobenzilate							
Chloroethane		<1	<1	<1	<1	<1	<1
Chloroform		<1	<1	<1	<1	<1	<1
Chloromethane		<1	<1	<1	<1	<1	<1
Chloroprene							
Chromium, total		<8.0	<8.0	<8.0	<8.0	1.1	1.0
Chrysene							
Cis-1,2-dichloroethylene		<1.0	1.0	<1.0	<1.0	<1.0	<1.0
Cis-1,3-dichloropropene		<1	<1	<1	<1	<1	<1
Cobalt, total		4.3	9.0	4.6	3.6	3.3	2.7
Copper, total		<4	<4	<4	<4	<5	<5
Cyanide, total							
Delta-bhc							
Diallate							
Dibenzo(a,h)anthracene							
Dibenzofuran							
Dibromochloromethane		<1	<1	<1	<1	<1	<1
Dibromomethane		<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane							
Dieldrin							
Diethyl phthalate							
Dimethoate							
Dimethylphthalate							
Di-n-butyl phthalate							
Di-n-octyl phthalate							
Dinoseb							
Diphenylamine							
Disulfoton							
Endosulfan i							
Endosulfan ii							
Endosulfan sulfate							
Endrin							
Endrin aldehyde							
Ethyl methacrylate							
Ethyl methanesulfonate							
Ethylbenzene		<1	<1	<1	<1	<1	<1
Famphur							
Fluoranthene							
Fluorene							
Gamma-bhc (lindane)							
Heptachlor							
Heptachlor epoxide							
Hexachlorobenzene							

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-13R

Constituents	Units	10/23/2014	4/1/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017	4/24/2018
Hexachlorobutadiene	ug/L							<8	
Hexachlorocyclopentadiene	ug/L							<8	
Hexachloroethane	ug/L							<8	
Hexachloropropene	ug/L							<8	
Indeno(1,2,3-cd)pyrene	ug/L							<8	
Isobutanol	ug/L							<1000	
Isodrin	ug/L							<8	
Isophorone	ug/L							<8	
Isosafrole	ug/L							<8	
Kepone	ug/L							<8	
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	ug/L							<.5	
Methacrylonitrile	ug/L							<1	
Methapyrilene	ug/L							<8	
Methoxychlor	ug/L							<.05	
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L							<1	
Methyl methanesulfonate	ug/L							<8	
Methyl parathion	ug/L							<.4	
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L							<8	
Nickel, total	ug/L	31.3	46.0	16.6	50.1	49.3	40.0	29.3	31.9
Nitrobenzene	ug/L							<8	
N-nitrosodiethylamine	ug/L							<8	
N-nitrosodimethylamine	ug/L							<8	
N-nitrosodi-n-butylamine	ug/L							<8	
N-nitroso-di-n-propylamine	ug/L							<8	
N-nitrosodiphenylamine	ug/L							<8	
N-nitrosomethylethylamine	ug/L							<8	
N-nitrosopiperidine	ug/L							<8	
N-nitrosopyrrolidine	ug/L							<8	
O,o,o-triethyl phosphorothioate	ug/L							<.4	
O-toluidine	ug/L							<8	
Parathion	ug/L							<.4	
P-dimethylaminoazobenzene	ug/L							<8	
Pentachlorobenzene	ug/L							<8	
Pentachloronitrobenzene (pcnb)	ug/L							<8	
Pentachlorophenol	ug/L							<8	
Phenacetin	ug/L							<8	
Phenanthrene	ug/L							<8	
Phenol	ug/L							<8	
Phorate	ug/L							<.4	
Pronamide	ug/L							<8	
Propionitrile	ug/L							<10	
Pyrene	ug/L							<8	
Safrole	ug/L							<8	
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	193	101						
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L							<.1	
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Thionazin	ug/L							<.4	
Tin, total	ug/L							<20	
Toluene	ug/L	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	1.2	<1.0
Toxaphene	ug/L							<.2	
Trans-1,2-dichloroethylene	ug/L	1.0	<1.0	1.4	<1.0	<1.0	<1.0	<1.0	<1.0
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	2.0	4.8	1.5	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	14.0	<20.0	<8.0	<8.0	<8.0	<8.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-13R

Constituents	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/2/2020	4/8/2021	10/29/2021	4/25/2022	10/17/2022
Hexachlorobutadiene									<8
Hexachlorocyclopentadiene									<8
Hexachloroethane									<8
Hexachloropropene									<8
Indeno(1,2,3-cd)pyrene									<8
Isobutanol									<1000
Isodrin									<8
Isophorone									<8
Isosafrole									<8
Kepone									<8
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total									<.5
Methacrylonitrile									<1
Methapyrilene									<8
Methoxychlor									<.05
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<2
Methyl methacrylate									<1
Methyl methanesulfonate									<8
Methyl parathion									<.4
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene									<8
Nickel, total	14.7	28.4	24.0	40.4	22.2	16.6	13.6	13.4	17.0
Nitrobenzene									<8
N-nitrosodiethylamine									<8
N-nitrosodimethylamine									<8
N-nitrosodi-n-butylamine									<8
N-nitroso-di-n-propylamine									<8
N-nitrosodiphenylamine									<8
N-nitrosomethylethylamine									<8
N-nitrosopiperidine									<8
N-nitrosopyrrolidine									<8
O,o,o-triethyl phosphorothioate									<.4
O-toluidine									<8
Parathion									<.4
P-dimethylaminoazobenzene									<8
Pentachlorobenzene									<8
Pentachloronitrobenzene (pcnb)									<8
Pentachlorophenol									<8
Phenacetin									<8
Phenanthrene									<8
Phenol									<8
Phorate									<.4
Pronamide									<8
Propionitrile									<10
Pyrene									<8
Safrole									<8
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total									<.1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin									<.4
Tin, total									<20
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toxaphene									<.2
Trans-1,2-dichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<8.0	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-13R

Constituents	1/5/2023	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
Hexachlorobutadiene							
Hexachlorocyclopentadiene							
Hexachloroethane							
Hexachloropropene							
Indeno(1,2,3-cd)pyrene							
Isobutanol							
Isodrin							
Isophorone							
Isosafrole							
Kepone							
Lead, total		<4	<4	<4	<4	<1	<1
Mercury, total							
Methacrylonitrile							
Methapyrilene							
Methoxychlor							
Methyl iodide		<1	<1	<1	<1	<1	<1
Methyl methacrylate							
Methyl methanesulfonate							
Methyl parathion							
Methylene chloride		<5	<5	<5	<5	<5	<5
Naphthalene							
Nickel, total		10.6	20.1	9.8	9.5	5.0	5.0
Nitrobenzene							
N-nitrosodiethylamine							
N-nitrosodimethylamine							
N-nitrosodi-n-butylamine							
N-nitroso-di-n-propylamine							
N-nitrosodiphenylamine							
N-nitrosomethylethylamine							
N-nitrosopiperidine							
N-nitrosopyrrolidine							
O,o,o-triethyl phosphorothioate							
O-toluidine							
Parathion							
P-dimethylaminoazobenzene							
Pentachlorobenzene							
Pentachloronitrobenzene (pcnb)							
Pentachlorophenol							
Phenacetin							
Phenanthrene							
Phenol							
Phorate							
Pronamide							
Propionitrile							
Pyrene							
Safrole							
Selenium, total		<4	<4	<4	<4	<2	<2
Silver, total		<4	<4	<4	<4	<5	<5
Solids, total suspended							
Styrene		<1	<1	<1	<1	<1	<1
Sulfide, total							
Tetrachloroethylene		<1	<1	<1	<1	<1	<1
Thallium, total		<2.0	<2.0	<2.0	<2.0	<.5	<.5
Thionazin							
Tin, total							
Toluene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toxaphene							
Trans-1,2-dichloroethylene		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trans-1,3-dichloropropene		<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene		<5	<5	<5	<5	<5	<5
Trichloroethylene		<1	<1	<1	<1	<1	<1
Trichlorofluoromethane		<1	<1	<1	<1	<1	<1
Vanadium, total		<20	<20	<20	<20	<2	<2
Vinyl acetate		<5	<5	<5	<5	<5	<5
Vinyl chloride		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, total		<2	<2	<2	<2	<2	<2
Zinc, total		<20.0	24.3	<20.0	<20.0	<5.0	6.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-14

Constituents	Units	10/23/2014	4/1/2015	11/5/2015	4/21/2016	10/17/2016	1/9/2017	4/21/2017	7/12/2017
(3,4)-methylphenol	ug/L								
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1		<1	
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1		<1	
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1		<1	
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1		<1	
1,1-dichloroethane	ug/L	1.5	1.8	2.3	1.3	2.5		<1.0	
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	
1,1-dichloropropene	ug/L								
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1		<1	
1,2,4,5-tetrachlorobenzene	ug/L								
1,2,4-trichlorobenzene	ug/L								
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1		<1	
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1		<1	
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1		<1	
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1		<1	
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1		<1	
1,2-dinitrobenzene	ug/L								
1,3,5-trinitrobenzene	ug/L								
1,3-dichlorobenzene	ug/L								
1,3-dichloropropane	ug/L								
1,3-dinitrobenzene	ug/L								
1,4-dichlorobenzene	ug/L	2.6	1.0	2.1	<1.0	1.0		<1.0	
1,4-naphthoquinone	ug/L								
1,4-phenylenediamine	ug/L								
1-naphthylamine	ug/L								
2,2-dichloropropane	ug/L								
2,3,4,6-tetrachlorophenol	ug/L								
2,4,5-t	ug/L								
2,4,5-tp (silvex)	ug/L								
2,4,5-trichlorophenol	ug/L								
2,4,6-trichlorophenol	ug/L								
2,4-d	ug/L								
2,4-dichlorophenol	ug/L								
2,4-dimethylphenol	ug/L								
2,4-dinitrophenol	ug/L								
2,4-dinitrotoluene	ug/L								
2,6-dichlorophenol	ug/L								
2,6-dinitrotoluene	ug/L								
2-acetylaminofluorene	ug/L								
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5		<5	
2-chloronaphthalene	ug/L								
2-chlorophenol	ug/L								
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5		<5	
2-methylnaphthalene	ug/L								
2-methylphenol	ug/L								
2-naphthylamine	ug/L								
2-nitroaniline	ug/L								
2-nitrophenol	ug/L								
3,3'-dichlorobenzidine	ug/L								
3,3'-dimethylbenzidine	ug/L								
3-methylcholanthrene	ug/L								
3-nitroaniline	ug/L								
4,4'-ddd	ug/L								
4,4'-dde	ug/L								
4,4'-ddt	ug/L								
4,6-dinitro-2-methylphenol	ug/L								
4-aminobiphenyl	ug/L								
4-bromophenyl phenyl ether	ug/L								
4-chloro-3-methylphenol	ug/L								
4-chloroaniline	ug/L								
4-chlorophenyl phenyl ether	ug/L								
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5		<5	
4-nitroaniline	ug/L								
4-nitrophenol	ug/L								
5-nitro-o-toluidine	ug/L								
7,12-dimethylbenz(a)anthracene	ug/L								
Acenaphthene	ug/L								
Acenaphthylene	ug/L								
Acetone	ug/L	<10	<10	<10	<10	<10		<10	
Acetonitrile	ug/L								
Acetophenone	ug/L								
Acrolein	ug/L								
Acrylonitrile	ug/L	<5	<5	<5	<5	<5		<5	
Aldrin	ug/L								
Allyl chloride	ug/L								
Alpha-bhc	ug/L								
Anthracene	ug/L								

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-14

Constituents	10/16/2017	1/12/2018	4/24/2018	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/2/2020	4/8/2021
(3,4)-methylphenol	<8								
1,1,1,2-tetrachloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	3.9	2.4
1,1-dichloroethylene	<1		<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	<1								
1,2,3-trichloropropane	<1		<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	<8								
1,2,4-trichlorobenzene	<1								
1,2-dibromo-3-chloropropane	<1		<1	<1	<1	<1	<5	<5	<5
1,2-dibromoethane	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	<8								
1,3,5-trinitrobenzene	<8								
1,3-dichlorobenzene	<1								
1,3-dichloropropane	<1								
1,3-dinitrobenzene	<8								
1,4-dichlorobenzene	1.6		<1.0	<1.0	<1.0	<1.0	<1.0	1.8	1.9
1,4-naphthoquinone	<8								
1,4-phenylenediamine	<8								
1-naphthylamine	<8								
2,2-dichloropropane	<1								
2,3,4,6-tetrachlorophenol	<8								
2,4,5-t	<5								
2,4,5-tp (silvex)	<5								
2,4,5-trichlorophenol	<8								
2,4,6-trichlorophenol	<8								
2,4-d	<2								
2,4-dichlorophenol	<8								
2,4-dimethylphenol	<8								
2,4-dinitrophenol	<8								
2,4-dinitrotoluene	<8								
2,6-dichlorophenol	<8								
2,6-dinitrotoluene	<8								
2-acetylaminofluorene	<8								
2-butanone (mek)	<5		<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	<8								
2-chlorophenol	<8								
2-hexanone (mbk)	<5		<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	<8								
2-methylphenol	<8								
2-naphthylamine	<8								
2-nitroaniline	<8								
2-nitrophenol	<8								
3,3'-dichlorobenzidine	<8								
3,3'-dimethylbenzidine	<8								
3-methylcholanthrene	<8								
3-nitroaniline	<8								
4,4'-ddd	<.05								
4,4'-dde	<.05								
4,4'-ddt	<.05								
4,6-dinitro-2-methylphenol	<8								
4-aminobiphenyl	<8								
4-bromophenyl phenyl ether	<8								
4-chloro-3-methylphenol	<8								
4-chloroaniline	<8								
4-chlorophenyl phenyl ether	<8								
4-methyl-2-pentanone (mibk)	<5		<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	<8								
4-nitrophenol	<8								
5-nitro-o-toluidine	<8								
7,12-dimethylbenz(a)anthracene	<8								
Acenaphthene	<8								
Acenaphthylene	<8								
Acetone	<10		<10	<10	<10	<10	<10	<10	<10
Acetonitrile	<10								
Acetophenone	<8								
Acrolein	<10								
Acrylonitrile	<5		<5	<5	<5	<5	<5	<5	<5
Aldrin	<.05								
Allyl chloride	<1								
Alpha-bhc	<.05								
Anthracene	<8								

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-14

Constituents	10/29/2021	4/25/2022	10/17/2022	1/5/2023	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025
(3,4)-methylphenol			<8						
1,1,1,2-tetrachloroethane	<1	<1	<1		<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1		<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1		<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1		<1	<1	<1	<1	<1
1,1-dichloroethane	1.8	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethylene	<1	<1	<1		<1	<1	<1	<1	<1
1,1-dichloropropene			<1						
1,2,3-trichloropropane	<1	<1	<1		<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene			<8						
1,2,4-trichlorobenzene			<1						
1,2-dibromo-3-chloropropane	<5	<5	<1		<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1		<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1		<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1		<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1		<1	<1	<1	<1	<1
1,2-dinitrobenzene			<8						
1,3,5-trinitrobenzene			<8						
1,3-dichlorobenzene			<1						
1,3-dichloropropane			<1						
1,3-dinitrobenzene			<8						
1,4-dichlorobenzene	3.2	1.7	2.4		1.8	2.4	3.6	3.3	<1.0
1,4-naphthoquinone			<8						
1,4-phenylenediamine			<8						
1-naphthylamine			<8						
2,2-dichloropropane			<1						
2,3,4,6-tetrachlorophenol			<8						
2,4,5-t			<5						
2,4,5-tp (silvex)			<5						
2,4,5-trichlorophenol			<8						
2,4,6-trichlorophenol			<8						
2,4-d			<2						
2,4-dichlorophenol			<8						
2,4-dimethylphenol			<8						
2,4-dinitrophenol			<8						
2,4-dinitrotoluene			<8						
2,6-dichlorophenol			<8						
2,6-dinitrotoluene			<8						
2-acetylaminofluorene			<8						
2-butanone (mek)	<5	<10	<5		<10	<10	<10	<10	<10
2-chloronaphthalene			<8						
2-chlorophenol			<8						
2-hexanone (mbk)	<5	<5	<5		<5	<5	<5	<5	<5
2-methylnaphthalene			<8						
2-methylphenol			<8						
2-naphthylamine			<8						
2-nitroaniline			<8						
2-nitrophenol			<8						
3,3'-dichlorobenzidine			<8						
3,3'-dimethylbenzidine			<8						
3-methylcholanthrene			<8						
3-nitroaniline			<8						
4,4'-ddd			<.05						
4,4'-dde			<.05						
4,4'-ddt			<.05						
4,6-dinitro-2-methylphenol			<8						
4-aminobiphenyl			<8						
4-bromophenyl phenyl ether			<8						
4-chloro-3-methylphenol			<8						
4-chloroaniline			<8						
4-chlorophenyl phenyl ether			<8						
4-methyl-2-pentanone (mibk)	<5	<5	<5		<5	<5	<5	<5	<5
4-nitroaniline			<8						
4-nitrophenol			<8						
5-nitro-o-toluidine			<8						
7,12-dimethylbenz(a)anthracene			<8						
Acenaphthene			<8						
Acenaphthylene			<8						
Acetone	<10	<10	<10		<10	<10	<10	<10	<10
Acetonitrile			<10						
Acetophenone			<8						
Acrolein			<10						
Acrylonitrile	<5	<5	<5		<5	<5	<5	<5	<5
Aldrin			<.05						
Allyl chloride			<1						
Alpha-bhc			<.05						
Anthracene			<8						

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-14

Constituents	10/16/2025
(3,4)-methylphenol	
1,1,1,2-tetrachloroethane	<1
1,1,1-trichloroethane	<1
1,1,2,2-tetrachloroethane	<1
1,1,2-trichloroethane	<1
1,1-dichloroethane	<1.0
1,1-dichloroethylene	<1
1,1-dichloropropene	
1,2,3-trichloropropane	<1
1,2,4,5-tetrachlorobenzene	
1,2,4-trichlorobenzene	
1,2-dibromo-3-chloropropane	<5
1,2-dibromoethane	<1
1,2-dichlorobenzene	<1
1,2-dichloroethane	<1
1,2-dichloropropane	<1
1,2-dinitrobenzene	
1,3,5-trinitrobenzene	
1,3-dichlorobenzene	
1,3-dichloropropane	
1,3-dinitrobenzene	
1,4-dichlorobenzene	2.4
1,4-naphthoquinone	
1,4-phenylenediamine	
1-naphthylamine	
2,2-dichloropropane	
2,3,4,6-tetrachlorophenol	
2,4,5-t	
2,4,5-tp (silvex)	
2,4,5-trichlorophenol	
2,4,6-trichlorophenol	
2,4-d	
2,4-dichlorophenol	
2,4-dimethylphenol	
2,4-dinitrophenol	
2,4-dinitrotoluene	
2,6-dichlorophenol	
2,6-dinitrotoluene	
2-acetylaminofluorene	
2-butanone (mek)	<10
2-chloronaphthalene	
2-chlorophenol	
2-hexanone (mbk)	<5
2-methylnaphthalene	
2-methylphenol	
2-naphthylamine	
2-nitroaniline	
2-nitrophenol	
3,3'-dichlorobenzidine	
3,3'-dimethylbenzidine	
3-methylcholanthrene	
3-nitroaniline	
4,4'-ddd	
4,4'-dde	
4,4'-ddt	
4,6-dinitro-2-methylphenol	
4-aminobiphenyl	
4-bromophenyl phenyl ether	
4-chloro-3-methylphenol	
4-chloroaniline	
4-chlorophenyl phenyl ether	
4-methyl-2-pentanone (mibk)	<5
4-nitroaniline	
4-nitrophenol	
5-nitro-o-toluidine	
7,12-dimethylbenz(a)anthracene	
Acenaphthene	
Acenaphthylene	
Acetone	<10
Acetonitrile	
Acetophenone	
Acrolein	
Acrylonitrile	<5
Aldrin	
Allyl chloride	
Alpha-bhc	
Anthracene	

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-14

Constituents	Units	10/23/2014	4/1/2015	11/5/2015	4/21/2016	10/17/2016	1/9/2017	4/21/2017	7/12/2017
Antimony, total	ug/L	<2	<2	<2	<2	<2		<2	
Arochlor 1016	ug/L								
Arochlor 1221	ug/L								
Arochlor 1232	ug/L								
Arochlor 1242	ug/L								
Arochlor 1248	ug/L								
Arochlor 1254	ug/L								
Arochlor 1260	ug/L								
Arsenic, total	ug/L	8.0	<4.0	14.7	<4.0	<4.0		<4.0	
Azobenzene	ug/L								
Barium, total	ug/L	841	791	769	575	592		587	
Benzene	ug/L	1.0	<1.0	<1.0	<1.0	<1.0		<1.0	
Benzo(a)anthracene	ug/L								
Benzo(a)pyrene	ug/L								
Benzo(b)fluoranthene	ug/L								
Benzo(g,h,i)perylene	ug/L								
Benzo(k)fluoranthene	ug/L								
Benzyl alcohol	ug/L								
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	
Beta-bhc	ug/L								
Bis (2-chloroethoxy) methane	ug/L								
Bis(2-chloroethyl) ether	ug/L								
Bis(2-chloroisopropyl) ether	ug/L								
Bis(2-ethylhexyl) phthalate	ug/L								
Bromochloromethane	ug/L	<1	<1	<1	<1	<1		<1	
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1		<1	
Bromoform	ug/L	<1	<1	<1	<1	<1		<1	
Bromomethane	ug/L	<1	<1	<1	<1	<1		<1	
Butyl benzyl phthalate	ug/L								
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8		<.8	
Carbon disulfide	ug/L	<1	<1	<1	<1	<1		<1	
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1		<1	
Chlordane	ug/L								
Chlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	
Chlorobenzilate	ug/L								
Chloroethane	ug/L	2.5	<1.0	1.4	<1.0	<1.0		<1.0	
Chloroform	ug/L	<1	<1	<1	<1	<1		<1	
Chloromethane	ug/L	<1	<1	<1	<1	<1		<1	
Chloroprene	ug/L								
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0		<8.0	
Chrysene	ug/L								
Cis-1,2-dichloroethylene	ug/L	1.3	<1.0	1.8	<1.0	1.8		<1.0	
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1		<1	
Cobalt, total	ug/L	25.7	51.2	18.7	1.4	16.3	4.0	7.7	
Copper, total	ug/L	<4.0	4.0	<4.0	<4.0	<4.0		<4.0	
Cyanide, total	mg/L								
Delta-bhc	ug/L								
Diallate	ug/L								
Dibenzo(a,h)anthracene	ug/L								
Dibenzofuran	ug/L								
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1		<1	
Dibromomethane	ug/L	<1	<1	<1	<1	<1		<1	
Dichlorodifluoromethane	ug/L								
Dieldrin	ug/L								
Diethyl phthalate	ug/L								
Dimethoate	ug/L								
Dimethylphthalate	ug/L								
Di-n-butyl phthalate	ug/L								
Di-n-octyl phthalate	ug/L								
Dinoseb	ug/L								
Diphenylamine	ug/L								
Disulfoton	ug/L								
Endosulfan i	ug/L								
Endosulfan ii	ug/L								
Endosulfan sulfate	ug/L								
Endrin	ug/L								
Endrin aldehyde	ug/L								
Ethyl methacrylate	ug/L								
Ethyl methanesulfonate	ug/L								
Ethylbenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	
Famphur	ug/L								
Fluoranthene	ug/L								
Fluorene	ug/L								
Gamma-bhc (lindane)	ug/L								
Heptachlor	ug/L								
Heptachlor epoxide	ug/L								
Hexachlorobenzene	ug/L								

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-14

Constituents	10/16/2017	1/12/2018	4/24/2018	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/2/2020	4/8/2021
Antimony, total	<2		<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	<1								
Arochlor 1221	<2								
Arochlor 1232	<2								
Arochlor 1242	<2								
Arochlor 1248	<2								
Arochlor 1254	<1								
Arochlor 1260	<1								
Arsenic, total	14.8		<4.0	<4.0	<4.0	<4.0	<4.0	6.7	8.0
Azobenzene	<8								
Barium, total	818	712	647	547	707	658	558	638	649
Benzene	2.5		<1.0	<1.0	1.9	<1.0	<1.0	<1.0	<1.0
Benzo(a)anthracene	<8								
Benzo(a)pyrene	<8								
Benzo(b)fluoranthene	<8								
Benzo(g,h,i)perylene	<8								
Benzo(k)fluoranthene	<8								
Benzyl alcohol	<8								
Beryllium, total	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	<.05								
Bis (2-chloroethoxy) methane	<8								
Bis(2-chloroethyl) ether	<8								
Bis(2-chloroisopropyl) ether	<8								
Bis(2-ethylhexyl) phthalate	18								
Bromochloromethane	<1		<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1		<1	<1	<1	<1	<1	<1	<1
Bromoform	<1		<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1		<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	<8								
Cadmium, total	<.8		<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1		<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1		<1	<1	<1	<1	<1	<1	<1
Chlordane	<1								
Chlorobenzene	<1.0		<1.0	1.3	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzilate	<8								
Chloroethane	<1.0		<1.0	<1.0	1.0	1.0	<1.0	2.7	1.0
Chloroform	<1		<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1		<1	<1	<1	<1	<1	<1	<1
Chloroprene	<1								
Chromium, total	<8.0		<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene	<8								
Cis-1,2-dichloroethylene	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cis-1,3-dichloropropene	<1		<1	<1	<1	<1	<1	<1	<1
Cobalt, total	16.0	11.2	16.9	4.2	27.3	10.0	6.9	11.5	21.2
Copper, total	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total	<.005								
Delta-bhc	<.05								
Diallate	<8								
Dibenzo(a,h)anthracene	<8								
Dibenzofuran	<8								
Dibromochloromethane	<1		<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1		<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	<1								
Dieldrin	<.05								
Diethyl phthalate	<8								
Dimethoate	<.4								
Dimethylphthalate	<8								
Di-n-butyl phthalate	<8								
Di-n-octyl phthalate	<8								
Dinoseb	<.5								
Diphenylamine	<8								
Disulfoton	<.4								
Endosulfan i	<.05								
Endosulfan ii	<.05								
Endosulfan sulfate	<.05								
Endrin	<.05								
Endrin aldehyde	<.05								
Ethyl methacrylate	<10								
Ethyl methanesulfonate	<8								
Ethylbenzene	<1.0		<1.0	<1.0	1.1	<1.0	<1.0	<1.0	<1.0
Famphur	<.4								
Fluoranthene	<8								
Fluorene	<8								
Gamma-bhc (lindane)	<.05								
Heptachlor	<.05								
Heptachlor epoxide	<.05								
Hexachlorobenzene	<.05								

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-14

Constituents	10/29/2021	4/25/2022	10/17/2022	1/5/2023	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025
Antimony, total	<2	<2	<2		<2	<2	<2	<2	<1
Arochlor 1016			<.1						
Arochlor 1221			<.2						
Arochlor 1232			<.2						
Arochlor 1242			<.2						
Arochlor 1248			<.2						
Arochlor 1254			<.1						
Arochlor 1260			<.1						
Arsenic, total	44.3	4.3	65.4		66.8	71.4	46.1	91.9	58.6
Azobenzene			<8						
Barium, total	674	503	588		719	665	812	575	742
Benzene	2.0	<1.0	1.4		1.1	1.2	2.6	1.6	<1.0
Benzo(a)anthracene			<8						
Benzo(a)pyrene			<8						
Benzo(b)fluoranthene			<8						
Benzo(g,h,i)perylene			<8						
Benzo(k)fluoranthene			<8						
Benzyl alcohol			<8						
Beryllium, total	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<5
Beta-bhc			<.05						
Bis (2-chloroethoxy) methane			<8						
Bis(2-chloroethyl) ether			<8						
Bis(2-chloroisopropyl) ether			<8						
Bis(2-ethylhexyl) phthalate			11	<6					
Bromochloromethane	<1	<1	<1		<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1		<1	<1	<1	<1	<1
Bromoform	<1	<1	<1		<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1		<1	<1	<1	<1	<1
Butyl benzyl phthalate			<8						
Cadmium, total	<.8	<.8	<.8		<.8	<.8	<.8	<.8	<.2
Carbon disulfide	<1	<1	<1		<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1		<1	<1	<1	<1	<1
Chlordane			<.1						
Chlorobenzene	<1.0	<1.0	<1.0		<1.0	<1.0	1.2	1.0	<1.0
Chlorobenzilate			<8						
Chloroethane	2.4	<1.0	1.3		1.2	1.8	1.9	<1.0	1.2
Chloroform	<1	<1	<1		<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1		<1	<1	<1	<1	<1
Chloroprene			<1						
Chromium, total	<8.0	<8.0	<8.0		<8.0	<8.0	<8.0	<8.0	1.8
Chrysene			<8						
Cis-1,2-dichloroethylene	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Cis-1,3-dichloropropene	<1	<1	<1		<1	<1	<1	<1	<1
Cobalt, total	14.4	13.1	13.1		14.8	16.4	20.8	9.9	14.3
Copper, total	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<5.0
Cyanide, total			<.005						
Delta-bhc			<.05						
Diallate			<8						
Dibenzo(a,h)anthracene			<8						
Dibenzofuran			<8						
Dibromochloromethane	<1	<1	<1		<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1		<1	<1	<1	<1	<1
Dichlorodifluoromethane			<1						
Dieldrin			<.05						
Diethyl phthalate			<8						
Dimethoate			<.4						
Dimethylphthalate			<8						
Di-n-butyl phthalate			<8						
Di-n-octyl phthalate			<8						
Dinoseb			<.5						
Diphenylamine			<8						
Disulfoton			<.4						
Endosulfan i			<.05						
Endosulfan ii			<.05						
Endosulfan sulfate			<.05						
Endrin			<.05						
Endrin aldehyde			<.05						
Ethyl methacrylate			<10						
Ethyl methanesulfonate			<8						
Ethylbenzene	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Famphur			<.4						
Fluoranthene			<8						
Fluorene			<8						
Gamma-bhc (lindane)			<.05						
Heptachlor			<.05						
Heptachlor epoxide			<.05						
Hexachlorobenzene			<.05						

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-14

Constituents	10/16/2025
Antimony, total	<1
Arochlor 1016	
Arochlor 1221	
Arochlor 1232	
Arochlor 1242	
Arochlor 1248	
Arochlor 1254	
Arochlor 1260	
Arsenic, total	73.9
Azobenzene	
Barium, total	650
Benzene	<1.0
Benzo(a)anthracene	
Benzo(a)pyrene	
Benzo(b)fluoranthene	
Benzo(g,h,i)perylene	
Benzo(k)fluoranthene	
Benzyl alcohol	
Beryllium, total	<.5
Beta-bhc	
Bis (2-chloroethoxy) methane	
Bis(2-chloroethyl) ether	
Bis(2-chloroisopropyl) ether	
Bis(2-ethylhexyl) phthalate	
Bromochloromethane	<1
Bromodichloromethane	<1
Bromoform	<1
Bromomethane	<1
Butyl benzyl phthalate	
Cadmium, total	<.2
Carbon disulfide	<1
Carbon tetrachloride	<1
Chlordane	
Chlorobenzene	<1.0
Chlorobenzilate	
Chloroethane	1.6
Chloroform	<1
Chloromethane	<1
Chloroprene	
Chromium, total	<1.0
Chrysene	
Cis-1,2-dichloroethylene	<1.0
Cis-1,3-dichloropropene	<1
Cobalt, total	10.3
Copper, total	7.9
Cyanide, total	
Delta-bhc	
Diallate	
Dibenzo(a,h)anthracene	
Dibenzofuran	
Dibromochloromethane	<1
Dibromomethane	<1
Dichlorodifluoromethane	
Dieldrin	
Diethyl phthalate	
Dimethoate	
Dimethylphthalate	
Di-n-butyl phthalate	
Di-n-octyl phthalate	
Dinoseb	
Diphenylamine	
Disulfoton	
Endosulfan i	
Endosulfan ii	
Endosulfan sulfate	
Endrin	
Endrin aldehyde	
Ethyl methacrylate	
Ethyl methanesulfonate	
Ethylbenzene	<1.0
Famphur	
Fluoranthene	
Fluorene	
Gamma-bhc (lindane)	
Heptachlor	
Heptachlor epoxide	
Hexachlorobenzene	

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-14

Constituents	Units	10/23/2014	4/1/2015	11/5/2015	4/21/2016	10/17/2016	1/9/2017	4/21/2017	7/12/2017
Hexachlorobutadiene	ug/L								
Hexachlorocyclopentadiene	ug/L								
Hexachloroethane	ug/L								
Hexachloropropene	ug/L								
Indeno(1,2,3-cd)pyrene	ug/L								
Isobutanol	ug/L								
Isodrin	ug/L								
Isophorone	ug/L								
Isosafrole	ug/L								
Kepone	ug/L								
Lead, total	ug/L	<4	<4	<4	<4	<4		<4	
Mercury, total	ug/L								
Methacrylonitrile	ug/L								
Methapyrilene	ug/L								
Methoxychlor	ug/L								
Methyl iodide	ug/L	<1	<1	<1	<1	<1		<1	
Methyl methacrylate	ug/L								
Methyl methanesulfonate	ug/L								
Methyl parathion	ug/L								
Methylene chloride	ug/L	<5	<5	<5	<5	<5		<5	
Naphthalene	ug/L								
Nickel, total	ug/L	32.1	36.0	24.6	43.6	24.7		33.0	25.9
Nitrobenzene	ug/L								
N-nitrosodiethylamine	ug/L								
N-nitrosodimethylamine	ug/L								
N-nitrosodi-n-butylamine	ug/L								
N-nitroso-di-n-propylamine	ug/L								
N-nitrosodiphenylamine	ug/L								
N-nitrosomethylethylamine	ug/L								
N-nitrosopiperidine	ug/L								
N-nitrosopyrrolidine	ug/L								
O,o,o-triethyl phosphorothioate	ug/L								
O-toluidine	ug/L								
Parathion	ug/L								
P-dimethylaminoazobenzene	ug/L								
Pentachlorobenzene	ug/L								
Pentachloronitrobenzene (pcnb)	ug/L								
Pentachlorophenol	ug/L								
Phenacetin	ug/L								
Phenanthrene	ug/L								
Phenol	ug/L								
Phorate	ug/L								
Pronamide	ug/L								
Propionitrile	ug/L								
Pyrene	ug/L								
Safrole	ug/L								
Selenium, total	ug/L	<4	<4	<4	<4	<4		<4	
Silver, total	ug/L	<4	<4	<4	<4	<4		<4	
Solids, total suspended	mg/L	37	58						
Styrene	ug/L	<1	<1	<1	<1	<1		<1	
Sulfide, total	mg/L								
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1		<1	
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	
Thionazin	ug/L								
Tin, total	ug/L								
Toluene	ug/L	<1	<1	<1	<1	<1		<1	
Toxaphene	ug/L								
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1		<1	
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5		<5	
Trichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1		<1	
Vanadium, total	ug/L	<20.0	<20.0	<20.0	<20.0	<20.0		<20.0	
Vinyl acetate	ug/L	<5	<5	<5	<5	<5		<5	
Vinyl chloride	ug/L	<1	<1	<1	<1	<1		<1	
Xylenes, total	ug/L	<2	<2	<2	<2	<2		<2	
Zinc, total	ug/L	<20.0	11.6	14.8	<20.0	<8.0		<8.0	

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-14

Constituents	10/16/2017	1/12/2018	4/24/2018	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/2/2020	4/8/2021
Hexachlorobutadiene	<8								
Hexachlorocyclopentadiene	<8								
Hexachloroethane	<8								
Hexachloropropene	<8								
Indeno(1,2,3-cd)pyrene	<8								
Isobutanol	<1000								
Isodrin	<8								
Isophorone	<8								
Isosafrole	<8								
Kepone	<8								
Lead, total	<4		<4	<4	<4	<4	<4	<4	<4
Mercury, total	<5								
Methacrylonitrile	<1								
Methapyrilene	<8								
Methoxychlor	<.05								
Methyl iodide	<1		<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	<1								
Methyl methanesulfonate	<8								
Methyl parathion	<4								
Methylene chloride	<5		<5	<5	<5	<5	<5	<5	<5
Naphthalene	<8								
Nickel, total	19.3		22.1	19.5	31.2	14.0	23.4	10.3	22.7
Nitrobenzene	<8								
N-nitrosodiethylamine	<8								
N-nitrosodimethylamine	<8								
N-nitrosodi-n-butylamine	<8								
N-nitroso-di-n-propylamine	<8								
N-nitrosodiphenylamine	<8								
N-nitrosomethylethylamine	<8								
N-nitrosopiperidine	<8								
N-nitrosopyrrolidine	<8								
O,o,o-triethyl phosphorothioate	<4								
O-toluidine	<8								
Parathion	<4								
P-dimethylaminoazobenzene	<8								
Pentachlorobenzene	<8								
Pentachloronitrobenzene (pcnb)	<8								
Pentachlorophenol	<8								
Phenacetin	<8								
Phenanthrene	<8								
Phenol	<8								
Phorate	<4								
Pronamide	<8								
Propionitrile	<10								
Pyrene	<8								
Safrole	<8								
Selenium, total	<4		<4	<4	<4	<4	<4	<4	<4
Silver, total	<4		<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1		<1	<1	<1	<1	<1	<1	<1
Sulfide, total	<1								
Tetrachloroethylene	<1		<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0		<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin	<4								
Tin, total	<20								
Toluene	<1		<1	<1	<1	<1	<1	<1	<1
Toxaphene	<2								
Trans-1,2-dichloroethylene	<1		<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1		<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5		<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1		<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1		<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20.0		<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Vinyl acetate	<5		<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1		<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2		<2	<2	<2	<2	<2	<2	<2
Zinc, total	<8.0		<8.0	<20.0	<8.0	<8.0	<20.0	<20.0	<20.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-14

Constituents	10/29/2021	4/25/2022	10/17/2022	1/5/2023	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025
Hexachlorobutadiene			<8						
Hexachlorocyclopentadiene			<8						
Hexachloroethane			<8						
Hexachloropropene			<8						
Indeno(1,2,3-cd)pyrene			<8						
Isobutanol			<1000						
Isodrin			<8						
Isophorone			<8						
Isosafrole			<8						
Kepone			<8						
Lead, total	<4	<4	<4		<4	<4	<4	<4	<1
Mercury, total			<.5						
Methacrylonitrile			<1						
Methapyriline			<8						
Methoxychlor			<.05						
Methyl iodide	<1	<1	<2		<1	<1	<1	<1	<1
Methyl methacrylate			<1						
Methyl methanesulfonate			<8						
Methyl parathion			<.4						
Methylene chloride	<5	<5	<5		<5	<5	<5	<5	<5
Naphthalene			<8						
Nickel, total	18.1	19.1	16.4		19.2	22.8	30.8	7.7	17.9
Nitrobenzene			<8						
N-nitrosodiethylamine			<8						
N-nitrosodimethylamine			<8						
N-nitrosodi-n-butylamine			<8						
N-nitroso-di-n-propylamine			<8						
N-nitrosodiphenylamine			<8						
N-nitrosomethylethylamine			<8						
N-nitrosopiperidine			<8						
N-nitrosopyrrolidine			<8						
O,o,o-triethyl phosphorothioate			<.4						
O-toluidine			<8						
Parathion			<.4						
P-dimethylaminoazobenzene			<8						
Pentachlorobenzene			<8						
Pentachloronitrobenzene (pcnb)			<8						
Pentachlorophenol			<8						
Phenacetin			<8						
Phenanthrene			<8						
Phenol			<8						
Phorate			<.4						
Pronamide			<8						
Propionitrile			<10						
Pyrene			<8						
Safrole			<8						
Selenium, total	<4	<4	<4		<4	<4	<4	<4	<2
Silver, total	<4	<4	<4		<4	<4	<4	<4	<5
Solids, total suspended									
Styrene	<1	<1	<1		<1	<1	<1	<1	<1
Sulfide, total			<.1						
Tetrachloroethylene	<1	<1	<1		<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0		<2.0	<2.0	<2.0	<2.0	<5
Thionazin			<.4						
Tin, total			<20						
Toluene	<1	<1	<1		<1	<1	<1	<1	<1
Toxaphene			<.2						
Trans-1,2-dichloroethylene	<1	<1	<1		<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1		<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5		<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1		<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1		<1	<1	<1	<1	<1
Vanadium, total	<20.0	<20.0	<20.0		<20.0	<20.0	<20.0	<20.0	2.7
Vinyl acetate	<5	<5	<5		<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1		<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2		<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0		<20.0	23.8	<20.0	<20.0	<5.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-14

Constituents	10/16/2025
Hexachlorobutadiene	
Hexachlorocyclopentadiene	
Hexachloroethane	
Hexachloropropene	
Indeno(1,2,3-cd)pyrene	
Isobutanol	
Isodrin	
Isophorone	
Isosafrole	
Kepone	
Lead, total	<1
Mercury, total	
Methacrylonitrile	
Methapyrilene	
Methoxychlor	
Methyl iodide	<1
Methyl methacrylate	
Methyl methanesulfonate	
Methyl parathion	
Methylene chloride	<5
Naphthalene	
Nickel, total	14.4
Nitrobenzene	
N-nitrosodiethylamine	
N-nitrosodimethylamine	
N-nitrosodi-n-butylamine	
N-nitroso-di-n-propylamine	
N-nitrosodiphenylamine	
N-nitrosomethylethylamine	
N-nitrosopiperidine	
N-nitrosopyrrolidine	
O,o,o-triethyl phosphorothioate	
O-toluidine	
Parathion	
P-dimethylaminoazobenzene	
Pentachlorobenzene	
Pentachloronitrobenzene (pcnb)	
Pentachlorophenol	
Phenacetin	
Phenanthrene	
Phenol	
Phorate	
Pronamide	
Propionitrile	
Pyrene	
Safrole	
Selenium, total	<2
Silver, total	<5
Solids, total suspended	
Styrene	<1
Sulfide, total	
Tetrachloroethylene	<1
Thallium, total	<.5
Thionazin	
Tin, total	
Toluene	<1
Toxaphene	
Trans-1,2-dichloroethylene	<1
Trans-1,3-dichloropropene	<1
Trans-1,4-dichloro-2-butene	<5
Trichloroethylene	<1
Trichlorofluoromethane	<1
Vanadium, total	<2.0
Vinyl acetate	<5
Vinyl chloride	<1
Xylenes, total	<2
Zinc, total	7.4

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-211

Constituents	Units	10/23/2014	4/1/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017	4/24/2018
(3,4)-methylphenol	ug/L							<8	
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	2.0	1.2	1.4	1.0
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L							<1	
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L							<8	
1,2,4-trichlorobenzene	ug/L							<1	
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L							<8	
1,3,5-trinitrobenzene	ug/L							<8	
1,3-dichlorobenzene	ug/L							<1	
1,3-dichloropropane	ug/L							<1	
1,3-dinitrobenzene	ug/L							<8	
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	ug/L							<8	
1,4-phenylenediamine	ug/L							<8	
1-naphthylamine	ug/L							<8	
2,2-dichloropropane	ug/L							<1	
2,3,4,6-tetrachlorophenol	ug/L							<8	
2,4,5-t	ug/L							<.5	
2,4,5-tp (silvex)	ug/L							<.5	
2,4,5-trichlorophenol	ug/L							<8	
2,4,6-trichlorophenol	ug/L							<8	
2,4-d	ug/L							<2	
2,4-dichlorophenol	ug/L							<8	
2,4-dimethylphenol	ug/L							<8	
2,4-dinitrophenol	ug/L							<8	
2,4-dinitrotoluene	ug/L							<8	
2,6-dichlorophenol	ug/L							<8	
2,6-dinitrotoluene	ug/L							<8	
2-acetylaminofluorene	ug/L							<8	
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L							<8	
2-chlorophenol	ug/L							<8	
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L							<8	
2-methylphenol	ug/L							<8	
2-naphthylamine	ug/L							<8	
2-nitroaniline	ug/L							<8	
2-nitrophenol	ug/L							<8	
3,3'-dichlorobenzidine	ug/L							<8	
3,3'-dimethylbenzidine	ug/L							<8	
3-methylcholanthrene	ug/L							<8	
3-nitroaniline	ug/L							<8	
4,4'-ddd	ug/L							<.05	
4,4'-dde	ug/L							<.05	
4,4'-ddt	ug/L							<.05	
4,6-dinitro-2-methylphenol	ug/L							<8	
4-aminobiphenyl	ug/L							<8	
4-bromophenyl phenyl ether	ug/L							<8	
4-chloro-3-methylphenol	ug/L							<8	
4-chloroaniline	ug/L							<8	
4-chlorophenyl phenyl ether	ug/L							<8	
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L							<8	
4-nitrophenol	ug/L							<8	
5-nitro-o-toluidine	ug/L							<8	
7,12-dimethylbenz(a)anthracene	ug/L							<8	
Acenaphthene	ug/L							<8	
Acenaphthylene	ug/L							<8	
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	ug/L							<10	
Acetophenone	ug/L							<8	
Acrolein	ug/L							<10	
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L							<.05	
Allyl chloride	ug/L							<1	
Alpha-bhc	ug/L							<.05	
Anthracene	ug/L							<8	

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-211

Constituents	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/2/2020	4/8/2021	10/29/2021	4/25/2022	10/17/2022
(3,4)-methylphenol									<8
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene									<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene									<8
1,2,4-trichlorobenzene									<1
1,2-dibromo-3-chloropropane	<1	<1	<1	<5	<5	<5	<5	<5	<1
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene									<8
1,3,5-trinitrobenzene									<8
1,3-dichlorobenzene									<1
1,3-dichloropropane									<1
1,3-dinitrobenzene									<8
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone									<8
1,4-phenylenediamine									<8
1-naphthylamine									<8
2,2-dichloropropane									<1
2,3,4,6-tetrachlorophenol									<8
2,4,5-t									<5
2,4,5-tp (silvex)									<5
2,4,5-trichlorophenol									<8
2,4,6-trichlorophenol									<8
2,4-d									<2
2,4-dichlorophenol									<8
2,4-dimethylphenol									<8
2,4-dinitrophenol									<8
2,4-dinitrotoluene									<8
2,6-dichlorophenol									<8
2,6-dinitrotoluene									<8
2-acetylaminofluorene									<8
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<10	<5
2-chloronaphthalene									<8
2-chlorophenol									<8
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene									<8
2-methylphenol									<8
2-naphthylamine									<8
2-nitroaniline									<8
2-nitrophenol									<8
3,3'-dichlorobenzidine									<8
3,3'-dimethylbenzidine									<8
3-methylcholanthrene									<8
3-nitroaniline									<8
4,4'-ddd									<.05
4,4'-dde									<.05
4,4'-ddt									<.05
4,6-dinitro-2-methylphenol									<8
4-aminobiphenyl									<8
4-bromophenyl phenyl ether									<8
4-chloro-3-methylphenol									<8
4-chloroaniline									<8
4-chlorophenyl phenyl ether									<8
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline									<8
4-nitrophenol									<8
5-nitro-o-toluidine									<8
7,12-dimethylbenz(a)anthracene									<8
Acenaphthene									<8
Acenaphthylene									<8
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile									<10
Acetophenone									<8
Acrolein									<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin									<.05
Allyl chloride									<1
Alpha-bhc									<.05
Anthracene									<8

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-211

Constituents	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025
(3,4)-methylphenol					
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1
1,1-dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethylene	<1	<1	<1	<1	<1
1,1-dichloropropene					
1,2,3-trichloropropane	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene					
1,2,4-trichlorobenzene					
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1
1,2-dinitrobenzene					
1,3,5-trinitrobenzene					
1,3-dichlorobenzene					
1,3-dichloropropane					
1,3-dinitrobenzene					
1,4-dichlorobenzene	<1	<1	<1	<1	<1
1,4-naphthoquinone					
1,4-phenylenediamine					
1-naphthylamine					
2,2-dichloropropane					
2,3,4,6-tetrachlorophenol					
2,4,5-t					
2,4,5-tp (silvex)					
2,4,5-trichlorophenol					
2,4,6-trichlorophenol					
2,4-d					
2,4-dichlorophenol					
2,4-dimethylphenol					
2,4-dinitrophenol					
2,4-dinitrotoluene					
2,6-dichlorophenol					
2,6-dinitrotoluene					
2-acetylaminofluorene					
2-butanone (mek)	<10	<10	<10	<10	<10
2-chloronaphthalene					
2-chlorophenol					
2-hexanone (mbk)	<5	<5	<5	<5	<5
2-methylnaphthalene					
2-methylphenol					
2-naphthylamine					
2-nitroaniline					
2-nitrophenol					
3,3'-dichlorobenzidine					
3,3'-dimethylbenzidine					
3-methylcholanthrene					
3-nitroaniline					
4,4'-ddd					
4,4'-dde					
4,4'-ddt					
4,6-dinitro-2-methylphenol					
4-aminobiphenyl					
4-bromophenyl phenyl ether					
4-chloro-3-methylphenol					
4-chloroaniline					
4-chlorophenyl phenyl ether					
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5
4-nitroaniline					
4-nitrophenol					
5-nitro-o-toluidine					
7,12-dimethylbenz(a)anthracene					
Acenaphthene					
Acenaphthylene					
Acetone	<10	<10	<10	<10	<10
Acetonitrile					
Acetophenone					
Acrolein					
Acrylonitrile	<5	<5	<5	<5	<5
Aldrin					
Allyl chloride					
Alpha-bhc					
Anthracene					

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-211

Constituents	Units	10/23/2014	4/1/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017	4/24/2018
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L							<1	
Arochlor 1221	ug/L							<2	
Arochlor 1232	ug/L							<2	
Arochlor 1242	ug/L							<2	
Arochlor 1248	ug/L							<2	
Arochlor 1254	ug/L							<1	
Arochlor 1260	ug/L							<1	
Arsenic, total	ug/L	15.0	18.2	37.0	33.3	18.0	48.7	51.7	21.0
Azobenzene	ug/L							<8	
Barium, total	ug/L	331	352	420	340	331	348	403	322
Benzene	ug/L	2.8	<1.0	<1.0	<1.0	<1.0	1.5	<1.0	1.6
Benzo(a)anthracene	ug/L							<8	
Benzo(a)pyrene	ug/L							<8	
Benzo(b)fluoranthene	ug/L							<8	
Benzo(g,h,i)perylene	ug/L							<8	
Benzo(k)fluoranthene	ug/L							<8	
Benzyl alcohol	ug/L							<8	
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L							<.05	
Bis (2-chloroethoxy) methane	ug/L							<8	
Bis(2-chloroethyl) ether	ug/L							<8	
Bis(2-chloroisopropyl) ether	ug/L							<8	
Bis(2-ethylhexyl) phthalate	ug/L							<6	
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L							<8	
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L							<1	
Chlorobenzene	ug/L	10.6	7.6	10.5	8.1	8.8	8.3	8.2	8.7
Chlorobenzilate	ug/L							<8	
Chloroethane	ug/L	1.3	<1.0	1.4	1.2	2.7	2.1	2.4	2.3
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L							<1	
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene	ug/L							<8	
Cis-1,2-dichloroethylene	ug/L	1.0	1.8	1.9	1.9	3.9	1.6	2.1	1.0
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	18.6	13.1	20.6	10.8	12.9	10.3	16.4	13.3
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total	mg/L							<.005	
Delta-bhc	ug/L							<.05	
Diallate	ug/L							<8	
Dibenzo(a,h)anthracene	ug/L							<8	
Dibenzofuran	ug/L							<8	
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L							<1	
Dieldrin	ug/L							<.05	
Diethyl phthalate	ug/L							<8	
Dimethoate	ug/L							<.4	
Dimethylphthalate	ug/L							<8	
Di-n-butyl phthalate	ug/L							<8	
Di-n-octyl phthalate	ug/L							<8	
Dinoseb	ug/L							<.5	
Diphenylamine	ug/L							<8	
Disulfoton	ug/L							<.4	
Endosulfan i	ug/L							<.05	
Endosulfan ii	ug/L							<.05	
Endosulfan sulfate	ug/L							<.05	
Endrin	ug/L							<.05	
Endrin aldehyde	ug/L							<.05	
Ethyl methacrylate	ug/L							<10	
Ethyl methanesulfonate	ug/L							<8	
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L							<.4	
Fluoranthene	ug/L							<8	
Fluorene	ug/L							<8	
Gamma-bhc (lindane)	ug/L							<.05	
Heptachlor	ug/L							<.05	
Heptachlor epoxide	ug/L							<.05	
Hexachlorobenzene	ug/L							<.05	

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-211

Constituents	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/2/2020	4/8/2021	10/29/2021	4/25/2022	10/17/2022
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016									<.1
Arochlor 1221									<.2
Arochlor 1232									<.2
Arochlor 1242									<.2
Arochlor 1248									<.2
Arochlor 1254									<.1
Arochlor 1260									<.1
Arsenic, total	11.8	52.8	103.0	197.0	26.3	50.8	31.7	138.0	67.5
Azobenzene									<8
Barium, total	241	473	385	494	249	367	335	467	257
Benzene	<1.0	1.0	<1.0	<1.0	<1.0	1.5	<1.0	1.5	<1.0
Benzo(a)anthracene									<8
Benzo(a)pyrene									<8
Benzo(b)fluoranthene									<8
Benzo(g,h,i)perylene									<8
Benzo(k)fluoranthene									<8
Benzyl alcohol									<8
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc									<.05
Bis (2-chloroethoxy) methane									<8
Bis(2-chloroethyl) ether									<8
Bis(2-chloroisopropyl) ether									<8
Bis(2-ethylhexyl) phthalate									<6
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate									<8
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane									<.1
Chlorobenzene	6.2	7.5	5.9	6.1	5.2	5.3	5.6	5.0	5.2
Chlorobenzilate									<8
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene									<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene									<8
Cis-1,2-dichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	10.3	17.0	14.9	13.3	10.3	11.5	13.6	12.8	13.3
Copper, total	<4.0	<4.0	<4.0	4.5	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total									<.005
Delta-bhc									<.05
Diallate									<8
Dibenzo(a,h)anthracene									<8
Dibenzofuran									<8
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane									<1
Dieldrin									<.05
Diethyl phthalate									<8
Dimethoate									<.4
Dimethylphthalate									<8
Di-n-butyl phthalate									<8
Di-n-octyl phthalate									<8
Dinoseb									<.5
Diphenylamine									<8
Disulfoton									<.4
Endosulfan i									<.05
Endosulfan ii									<.05
Endosulfan sulfate									<.05
Endrin									<.05
Endrin aldehyde									<.05
Ethyl methacrylate									<10
Ethyl methanesulfonate									<8
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur									<.4
Fluoranthene									<8
Fluorene									<8
Gamma-bhc (lindane)									<.05
Heptachlor									<.05
Heptachlor epoxide									<.05
Hexachlorobenzene									<.05

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-211

Constituents	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025
Antimony, total	<2	<2	<2	<2	<1
Arochlor 1016					
Arochlor 1221					
Arochlor 1232					
Arochlor 1242					
Arochlor 1248					
Arochlor 1254					
Arochlor 1260					
Arsenic, total	104.0	77.3	18.6	61.7	67.4
Azobenzene					
Barium, total	306	250	306	339	506
Benzene	<1.0	<1.0	<1.0	1.2	1.6
Benzo(a)anthracene					
Benzo(a)pyrene					
Benzo(b)fluoranthene					
Benzo(g,h,i)perylene					
Benzo(k)fluoranthene					
Benzyl alcohol					
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<.5
Beta-bhc					
Bis (2-chloroethoxy) methane					
Bis(2-chloroethyl) ether					
Bis(2-chloroisopropyl) ether					
Bis(2-ethylhexyl) phthalate					
Bromochloromethane	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1
Butyl benzyl phthalate					
Cadmium, total	<.8	<.8	<.8	<.8	<.2
Carbon disulfide	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1
Chlordane					
Chlorobenzene	4.1	1.7	4.4	4.7	4.3
Chlorobenzilate					
Chloroethane	<1.0	<1.0	<1.0	<1.0	1.1
Chloroform	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1
Chloroprene					
Chromium, total	<8.0	<8.0	<8.0	<8.0	1.2
Chrysene					
Cis-1,2-dichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1
Cobalt, total	11.3	10.7	12.5	12.9	15.1
Copper, total	<4.0	<4.0	<4.0	<4.0	<5.0
Cyanide, total					
Delta-bhc					
Diallate					
Dibenzo(a,h)anthracene					
Dibenzofuran					
Dibromochloromethane	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1
Dichlorodifluoromethane					
Dieldrin					
Diethyl phthalate					
Dimethoate					
Dimethylphthalate					
Di-n-butyl phthalate					
Di-n-octyl phthalate					
Dinoseb					
Diphenylamine					
Disulfoton					
Endosulfan i					
Endosulfan ii					
Endosulfan sulfate					
Endrin					
Endrin aldehyde					
Ethyl methacrylate					
Ethyl methanesulfonate					
Ethylbenzene	<1	<1	<1	<1	<1
Famphur					
Fluoranthene					
Fluorene					
Gamma-bhc (lindane)					
Heptachlor					
Heptachlor epoxide					
Hexachlorobenzene					

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-211

Constituents	Units	10/23/2014	4/1/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017	4/24/2018
Hexachlorobutadiene	ug/L							<8	
Hexachlorocyclopentadiene	ug/L							<8	
Hexachloroethane	ug/L							<8	
Hexachloropropene	ug/L							<8	
Indeno(1,2,3-cd)pyrene	ug/L							<8	
Isobutanol	ug/L							<1000	
Isodrin	ug/L							<8	
Isophorone	ug/L							<8	
Isosafrole	ug/L							<8	
Kepone	ug/L							<8	
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	ug/L							<.5	
Methacrylonitrile	ug/L							<1	
Methapyrilene	ug/L							<8	
Methoxychlor	ug/L							<.05	
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L							<1	
Methyl methanesulfonate	ug/L							<8	
Methyl parathion	ug/L							<.4	
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L							<8	
Nickel, total	ug/L	35.1	41.3	34.7	39.7	37.5	34.9	35.3	35.8
Nitrobenzene	ug/L							<8	
N-nitrosodiethylamine	ug/L							<8	
N-nitrosodimethylamine	ug/L							<8	
N-nitrosodi-n-butylamine	ug/L							<8	
N-nitroso-di-n-propylamine	ug/L							<8	
N-nitrosodiphenylamine	ug/L							<8	
N-nitrosomethylethylamine	ug/L							<8	
N-nitrosopiperidine	ug/L							<8	
N-nitrosopyrrolidine	ug/L							<8	
O,o,o-triethyl phosphorothioate	ug/L							<.4	
O-toluidine	ug/L							<8	
Parathion	ug/L							<.4	
P-dimethylaminoazobenzene	ug/L							<8	
Pentachlorobenzene	ug/L							<8	
Pentachloronitrobenzene (pcnb)	ug/L							<8	
Pentachlorophenol	ug/L							<8	
Phenacetin	ug/L							<8	
Phenanthrene	ug/L							<8	
Phenol	ug/L							<8	
Phorate	ug/L							<.4	
Pronamide	ug/L							<8	
Propionitrile	ug/L							<10	
Pyrene	ug/L							<8	
Safrole	ug/L							<8	
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	142	92						
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L							<.1	
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Thionazin	ug/L							<.4	
Tin, total	ug/L							<20	
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L							<.2	
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	10.2	22.2	<8.0	<8.0	<8.0	<8.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-211

Constituents	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/2/2020	4/8/2021	10/29/2021	4/25/2022	10/17/2022
Hexachlorobutadiene									<8
Hexachlorocyclopentadiene									<8
Hexachloroethane									<8
Hexachloropropene									<8
Indeno(1,2,3-cd)pyrene									<8
Isobutanol									<1000
Isodrin									<8
Isophorone									<8
Isosafrole									<8
Kepone									<8
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total									<.5
Methacrylonitrile									<1
Methapyriline									<8
Methoxychlor									<.05
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<2
Methyl methacrylate									<1
Methyl methanesulfonate									<8
Methyl parathion									<.4
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene									<8
Nickel, total	33.8	43.6	26.9	38.3	30.5	28.7	44.3	28.1	28.5
Nitrobenzene									<8
N-nitrosodiethylamine									<8
N-nitrosodimethylamine									<8
N-nitrosodi-n-butylamine									<8
N-nitroso-di-n-propylamine									<8
N-nitrosodiphenylamine									<8
N-nitrosomethylethylamine									<8
N-nitrosopiperidine									<8
N-nitrosopyrrolidine									<8
O,o,o-triethyl phosphorothioate									<.4
O-toluidine									<8
Parathion									<.4
P-dimethylaminoazobenzene									<8
Pentachlorobenzene									<8
Pentachloronitrobenzene (pcnb)									<8
Pentachlorophenol									<8
Phenacetin									<8
Phenanthrene									<8
Phenol									<8
Phorate									<.4
Pronamide									<8
Propionitrile									<10
Pyrene									<8
Safrole									<8
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total									<.1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin									<.4
Tin, total									<20
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene									<.2
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<8.0	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-211

Constituents	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025
Hexachlorobutadiene					
Hexachlorocyclopentadiene					
Hexachloroethane					
Hexachloropropene					
Indeno(1,2,3-cd)pyrene					
Isobutanol					
Isodrin					
Isophorone					
Isosafrole					
Kepone					
Lead, total	<4	<4	<4	<4	<1
Mercury, total					
Methacrylonitrile					
Methapyrilene					
Methoxychlor					
Methyl iodide	<1	<1	<1	<1	<1
Methyl methacrylate					
Methyl methanesulfonate					
Methyl parathion					
Methylene chloride	<5	<5	<5	<5	<5
Naphthalene					
Nickel, total	27.2	30.5	30.0	33.0	33.0
Nitrobenzene					
N-nitrosodiethylamine					
N-nitrosodimethylamine					
N-nitrosodi-n-butylamine					
N-nitroso-di-n-propylamine					
N-nitrosodiphenylamine					
N-nitrosomethylethylamine					
N-nitrosopiperidine					
N-nitrosopyrrolidine					
O,o,o-triethyl phosphorothioate					
O-toluidine					
Parathion					
P-dimethylaminoazobenzene					
Pentachlorobenzene					
Pentachloronitrobenzene (pcnb)					
Pentachlorophenol					
Phenacetin					
Phenanthrene					
Phenol					
Phorate					
Pronamide					
Propionitrile					
Pyrene					
Safrole					
Selenium, total	<4	<4	<4	<4	<2
Silver, total	<4	<4	<4	<4	<5
Solids, total suspended					
Styrene	<1	<1	<1	<1	<1
Sulfide, total					
Tetrachloroethylene	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<.5
Thionazin					
Tin, total					
Toluene	<1	<1	<1	<1	<1
Toxaphene					
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<2
Vinyl acetate	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<5.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-29

Constituents	Units	10/23/2014	4/1/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017	4/24/2018
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	104.0	90.0	118.0	99.8	122.0	88.4	87.5	91.6
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	75.5
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Selenium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	170	37						
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	<8.0	<20.0	<8.0	8.7	<8.0	48.7

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-29

Constituents	7/5/2018	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/2/2020	4/8/2021	10/29/2021	4/25/2022
1,1,1,2-tetrachloroethane		<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane		<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane		<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane		<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane		<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene		<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane		<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane		<1	<1	<1	<5	<5	<5	<5	<5
1,2-dibromoethane		<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene		<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane		<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane		<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene		<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)		<5	<5	<5	<5	<5	<5	<5	<10
2-hexanone (mbk)		<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)		<5	<5	<5	<5	<5	<5	<5	<5
Acetone		<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile		<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total		<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total		<4	<4	<4	<4	<4	<4	<4	<4
Barium, total		116.0	91.1	109.0	87.2	118.0	71.1	94.7	77.7
Benzene		<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane		<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane		<1	<1	<1	<1	<1	<1	<1	<1
Bromoform		<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane		<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total		<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide		<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride		<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene		<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane		<1	<1	<1	<1	<1	<1	<1	<1
Chloroform		<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane		<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total		<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene		<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene		<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total		<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane		<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane		<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene		<1	<1	<1	<1	<1	<1	<1	<1
Lead, total		<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide		<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride		<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total		<4	<4	<4	<4	<4	<4	<4	<4
Selenium, total		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Silver, total		<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene		<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene		<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total		<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene		<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene		<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene		<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene		<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene		<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane		<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total		<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate		<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride		<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total		<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<8.0	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-29

Constituents	10/17/2022	4/10/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<1	<1
Arsenic, total	<4	<4	<4	<4	<2	<2
Barium, total	108.0	75.9	62.2	97.7	86.1	114.0
Benzene	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<5	<5
Bromochloromethane	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.2	<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	1.2	1.0
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Cobalt, total	.8	<.4	<.4	<.4	<.5	<.5
Copper, total	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0
Dibromochloromethane	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<1	<1
Methyl iodide	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5
Nickel, total	<4	<4	<4	<4	<5	<5
Selenium, total	4.3	<4.0	<4.0	<4.0	<2.0	2.8
Silver, total	<4	<4	<4	<4	<5	<5
Solids, total suspended						
Styrene	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<5	<5
Toluene	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<5.0	11.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-31R

Constituents	Units	10/23/2014	4/1/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017	4/24/2018
(3,4)-methylphenol	ug/L								
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	4.4	5.8	4.7	1.9	2.0	2.0	1.7	2.9
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L								
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L								
1,2,4-trichlorobenzene	ug/L								
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L								
1,3,5-trinitrobenzene	ug/L								
1,3-dichlorobenzene	ug/L								
1,3-dichloropropane	ug/L								
1,3-dinitrobenzene	ug/L								
1,4-dichlorobenzene	ug/L	<1.0	<1.0	3.2	5.5	7.8	6.9	6.0	11.3
1,4-naphthoquinone	ug/L								
1,4-phenylenediamine	ug/L								
1-naphthylamine	ug/L								
2,2-dichloropropane	ug/L								
2,3,4,6-tetrachlorophenol	ug/L								
2,4,5-t	ug/L								
2,4,5-tp (silvex)	ug/L								
2,4,5-trichlorophenol	ug/L								
2,4,6-trichlorophenol	ug/L								
2,4-d	ug/L								
2,4-dichlorophenol	ug/L								
2,4-dimethylphenol	ug/L								
2,4-dinitrophenol	ug/L								
2,4-dinitrotoluene	ug/L								
2,6-dichlorophenol	ug/L								
2,6-dinitrotoluene	ug/L								
2-acetylaminofluorene	ug/L								
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L								
2-chlorophenol	ug/L								
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L								
2-methylphenol	ug/L								
2-naphthylamine	ug/L								
2-nitroaniline	ug/L								
2-nitrophenol	ug/L								
3,3'-dichlorobenzidine	ug/L								
3,3'-dimethylbenzidine	ug/L								
3-methylcholanthrene	ug/L								
3-nitroaniline	ug/L								
4,4'-ddd	ug/L								
4,4'-dde	ug/L								
4,4'-ddt	ug/L								
4,6-dinitro-2-methylphenol	ug/L								
4-aminobiphenyl	ug/L								
4-bromophenyl phenyl ether	ug/L								
4-chloro-3-methylphenol	ug/L								
4-chloroaniline	ug/L								
4-chlorophenyl phenyl ether	ug/L								
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L								
4-nitrophenol	ug/L								
5-nitro-o-toluidine	ug/L								
7,12-dimethylbenz(a)anthracene	ug/L								
Acenaphthene	ug/L								
Acenaphthylene	ug/L								
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	ug/L								
Acetophenone	ug/L								
Acrolein	ug/L								
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L								
Allyl chloride	ug/L								
Alpha-bhc	ug/L								
Anthracene	ug/L								

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-31R

Constituents	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/2/2020	4/8/2021	10/29/2021	4/25/2022	10/17/2022
(3,4)-methylphenol	<8								
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1.0	2.6	1.4	2.9	2.9	2.8	2.9	2.9	3.1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	<1								
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	<8								
1,2,4-trichlorobenzene	<1								
1,2-dibromo-3-chloropropane	<1	<1	<1	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	<8								
1,3,5-trinitrobenzene	<8								
1,3-dichlorobenzene	<1								
1,3-dichloropropane	<1								
1,3-dinitrobenzene	<8								
1,4-dichlorobenzene	9.5	15.6	16.6	16.8	15.1	15.2	17.7	17.8	17.7
1,4-naphthoquinone	<8								
1,4-phenylenediamine	<8								
1-naphthylamine	<8								
2,2-dichloropropane	<1								
2,3,4,6-tetrachlorophenol	<8								
2,4,5-t	<5								
2,4,5-tp (silvex)	<5								
2,4,5-trichlorophenol	<8								
2,4,6-trichlorophenol	<8								
2,4-d	<2								
2,4-dichlorophenol	<8								
2,4-dimethylphenol	<8								
2,4-dinitrophenol	<8								
2,4-dinitrotoluene	<8								
2,6-dichlorophenol	<8								
2,6-dinitrotoluene	<8								
2-acetylaminofluorene	<8								
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<10	<10
2-chloronaphthalene	<8								
2-chlorophenol	<8								
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	<8								
2-methylphenol	<8								
2-naphthylamine	<8								
2-nitroaniline	<8								
2-nitrophenol	<8								
3,3'-dichlorobenzidine	<8								
3,3'-dimethylbenzidine	<8								
3-methylcholanthrene	<8								
3-nitroaniline	<8								
4,4'-ddd	<.05								
4,4'-dde	<.05								
4,4'-ddt	<.05								
4,6-dinitro-2-methylphenol	<8								
4-aminobiphenyl	<8								
4-bromophenyl phenyl ether	<8								
4-chloro-3-methylphenol	<8								
4-chloroaniline	<8								
4-chlorophenyl phenyl ether	<8								
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	<8								
4-nitrophenol	<8								
5-nitro-o-toluidine	<8								
7,12-dimethylbenz(a)anthracene	<8								
Acenaphthene	<8								
Acenaphthylene	<8								
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	<10								
Acetophenone	<8								
Acrolein	<10								
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	<.05								
Allyl chloride	<1								
Alpha-bhc	<.05								
Anthracene	<8								

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-31R

Constituents	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025
(3,4)-methylphenol		<8			
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1
1,1-dichloroethane	2.8	2.9	3.3	3.1	2.7
1,1-dichloroethylene	<1	<1	<1	<1	<1
1,1-dichloropropene		<1			
1,2,3-trichloropropane	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene		<8			
1,2,4-trichlorobenzene		<1			
1,2-dibromo-3-chloropropane	<5	<1	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1
1,2-dinitrobenzene		<8			
1,3,5-trinitrobenzene		<8			
1,3-dichlorobenzene		<1			
1,3-dichloropropane		<1			
1,3-dinitrobenzene		<8			
1,4-dichlorobenzene	21.6	15.4	14.5	16.6	16.7
1,4-naphthoquinone		<8			
1,4-phenylenediamine		<8			
1-naphthylamine		<8			
2,2-dichloropropane		<1			
2,3,4,6-tetrachlorophenol		<8			
2,4,5-t		<5			
2,4,5-tp (silvex)		<5			
2,4,5-trichlorophenol		<8			
2,4,6-trichlorophenol		<8			
2,4-d		<2			
2,4-dichlorophenol		<8			
2,4-dimethylphenol		<8			
2,4-dinitrophenol		<8			
2,4-dinitrotoluene		<8			
2,6-dichlorophenol		<8			
2,6-dinitrotoluene		<8			
2-acetylaminofluorene		<8			
2-butanone (mek)	<10	<5	<10	<10	<10
2-chloronaphthalene		<8			
2-chlorophenol		<8			
2-hexanone (mbk)	<5	<5	<5	<5	<5
2-methylnaphthalene		<8			
2-methylphenol		<8			
2-naphthylamine		<8			
2-nitroaniline		<8			
2-nitrophenol		<8			
3,3'-dichlorobenzidine		<8			
3,3'-dimethylbenzidine		<8			
3-methylcholanthrene		<8			
3-nitroaniline		<8			
4,4'-ddd		<.05			
4,4'-dde		<.05			
4,4'-ddt		<.05			
4,6-dinitro-2-methylphenol		<8			
4-aminobiphenyl		<8			
4-bromophenyl phenyl ether		<8			
4-chloro-3-methylphenol		<8			
4-chloroaniline		<8			
4-chlorophenyl phenyl ether		<8			
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5
4-nitroaniline		<8			
4-nitrophenol		<8			
5-nitro-o-toluidine		<8			
7,12-dimethylbenz(a)anthracene		<8			
Acenaphthene		<8			
Acenaphthylene		<8			
Acetone	<10	<10	<10	<10	<10
Acetonitrile		<10			
Acetophenone		<8			
Acrolein		<10			
Acrylonitrile	<5	<5	<5	<5	<5
Aldrin		<.05			
Allyl chloride		<1			
Alpha-bhc		<.05			
Anthracene		<8			

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-31R

Constituents	Units	10/23/2014	4/1/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017	4/24/2018
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L								
Arochlor 1221	ug/L								
Arochlor 1232	ug/L								
Arochlor 1242	ug/L								
Arochlor 1248	ug/L								
Arochlor 1254	ug/L								
Arochlor 1260	ug/L								
Arsenic, total	ug/L	<4.0	<4.0	7.3	<4.0	5.6	6.7	6.9	20.2
Azobenzene	ug/L								
Barium, total	ug/L	1110	1210	1200	1360	1050	1350	1190	1500
Benzene	ug/L	2.0	2.0	2.5	3.1	3.2	2.6	2.6	2.9
Benzo(a)anthracene	ug/L								
Benzo(a)pyrene	ug/L								
Benzo(b)fluoranthene	ug/L								
Benzo(g,h,i)perylene	ug/L								
Benzo(k)fluoranthene	ug/L								
Benzyl alcohol	ug/L								
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L								
Bis (2-chloroethoxy) methane	ug/L								
Bis(2-chloroethyl) ether	ug/L								
Bis(2-chloroisopropyl) ether	ug/L								
Bis(2-ethylhexyl) phthalate	ug/L	64	<10	<10	<10	<10	<6		
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L								
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L								
Chlorobenzene	ug/L	<1.0	1.2	3.0	5.0	7.2	6.4	7.9	12.0
Chlorobenzilate	ug/L								
Chloroethane	ug/L	3.9	<1.0	4.1	2.8	3.7	3.4	<1.0	4.8
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L								
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene	ug/L								
Cis-1,2-dichloroethylene	ug/L	116.0	110.0	80.2	59.7	45.9	39.4	38.6	39.1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	8.7	11.1	11.7	12.2	12.6	12.5	11.5	15.8
Copper, total	ug/L	<4.0	6.8	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total	mg/L								
Delta-bhc	ug/L								
Diallate	ug/L								
Dibenzo(a,h)anthracene	ug/L								
Dibenzofuran	ug/L								
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	1.2	<1.0	<1.0	<1.0	<2.0	<1.0		
Dieldrin	ug/L								
Diethyl phthalate	ug/L								
Dimethoate	ug/L								
Dimethylphthalate	ug/L								
Di-n-butyl phthalate	ug/L								
Di-n-octyl phthalate	ug/L								
Dinoseb	ug/L								
Diphenylamine	ug/L								
Disulfoton	ug/L								
Endosulfan i	ug/L								
Endosulfan ii	ug/L								
Endosulfan sulfate	ug/L								
Endrin	ug/L								
Endrin aldehyde	ug/L								
Ethyl methacrylate	ug/L								
Ethyl methanesulfonate	ug/L								
Ethylbenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Famphur	ug/L								
Fluoranthene	ug/L								
Fluorene	ug/L								
Gamma-bhc (lindane)	ug/L								
Heptachlor	ug/L								
Heptachlor epoxide	ug/L								
Hexachlorobenzene	ug/L								

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-31R

Constituents	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/2/2020	4/8/2021	10/29/2021	4/25/2022	10/17/2022
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	<1								
Arochlor 1221	<2								
Arochlor 1232	<2								
Arochlor 1242	<2								
Arochlor 1248	<2								
Arochlor 1254	<1								
Arochlor 1260	<1								
Arsenic, total	9.6	29.1	16.5	40.3	33.8	58.1	18.3	50.1	37.6
Azobenzene	<8								
Barium, total	981	1560	1380	1710	1660	615	1190	1470	1220
Benzene	<1.0	2.3	<1.0	2.0	1.7	1.9	2.3	2.5	1.8
Benzo(a)anthracene	<8								
Benzo(a)pyrene	<8								
Benzo(b)fluoranthene	<8								
Benzo(g,h,i)perylene	<8								
Benzo(k)fluoranthene	<8								
Benzyl alcohol	<8								
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	<.05								
Bis (2-chloroethoxy) methane	<8								
Bis(2-chloroethyl) ether	<8								
Bis(2-chloroisopropyl) ether	<8								
Bis(2-ethylhexyl) phthalate	<6								
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	<8								
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	<1								
Chlorobenzene	10.5	13.8	13.3	15.0	13.8	15.6	17.4	18.6	19.8
Chlorobenzilate	<8								
Chloroethane	3.4	3.3	3.4	3.4	2.9	3.0	2.9	3.7	3.3
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	<1								
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene	<8								
Cis-1,2-dichloroethylene	26.5	26.5	25.9	20.7	34.1	23.3	18.1	24.0	22.4
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	13.3	17.7	15.0	19.7	17.5	25.9	15.0	17.0	16.2
Copper, total	4.7	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total	<.005								
Delta-bhc	<.05								
Diallate	<8								
Dibenzo(a,h)anthracene	<8								
Dibenzofuran	<8								
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	<1.0								
Dieldrin	<.05								
Diethyl phthalate	<8								
Dimethoate	<.4								
Dimethylphthalate	<8								
Di-n-butyl phthalate	<8								
Di-n-octyl phthalate	<8								
Dinoseb	<.5								
Diphenylamine	<8								
Disulfoton	<.4								
Endosulfan i	<.05								
Endosulfan ii	<.05								
Endosulfan sulfate	<.05								
Endrin	<.05								
Endrin aldehyde	<.05								
Ethyl methacrylate	<10								
Ethyl methanesulfonate	<8								
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Famphur	<.4								
Fluoranthene	<8								
Fluorene	<8								
Gamma-bhc (lindane)	<.05								
Heptachlor	<.05								
Heptachlor epoxide	<.05								
Hexachlorobenzene	<.05								

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-31R

Constituents	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025
Antimony, total	<2	<2	<2	<2	<1
Arochlor 1016		<2			
Arochlor 1221		<2			
Arochlor 1232		<2			
Arochlor 1242		<2			
Arochlor 1248		<2			
Arochlor 1254		<2			
Arochlor 1260		<2			
Arsenic, total	60.7	34.4	37.8	22.7	43.6
Azobenzene		<8			
Barium, total	1450	1190	1810	1010	1610
Benzene	1.9	1.4	2.1	2.3	1.3
Benzo(a)anthracene		<8			
Benzo(a)pyrene		<8			
Benzo(b)fluoranthene		<8			
Benzo(g,h,i)perylene		<8			
Benzo(k)fluoranthene		<8			
Benzyl alcohol		<8			
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<5
Beta-bhc		<.05			
Bis (2-chloroethoxy) methane		<8			
Bis(2-chloroethyl) ether		<8			
Bis(2-chloroisopropyl) ether		<8			
Bis(2-ethylhexyl) phthalate		9	<6		
Bromochloromethane	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1
Butyl benzyl phthalate		<8			
Cadmium, total	<.8	<.8	<.8	<.8	<.2
Carbon disulfide	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1
Chlordane		<.1			
Chlorobenzene	25.0	18.6	21.0	26.1	22.3
Chlorobenzilate		<8			
Chloroethane	3.6	3.4	3.5	2.6	3.6
Chloroform	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1
Chloroprene		<1			
Chromium, total	<8.0	<8.0	<8.0	<8.0	1.1
Chrysene		<8			
Cis-1,2-dichloroethylene	11.1	17.4	19.9	16.0	14.0
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1
Cobalt, total	18.3	17.6	20.6	14.6	16.8
Copper, total	<4.0	<4.0	<4.0	<4.0	<5.0
Cyanide, total		<.005			
Delta-bhc		<.05			
Diallate		<8			
Dibenzo(a,h)anthracene		<8			
Dibenzofuran		<8			
Dibromochloromethane	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1
Dichlorodifluoromethane		<1.0			
Dieldrin		<.05			
Diethyl phthalate		<8			
Dimethoate		<.4			
Dimethylphthalate		<8			
Di-n-butyl phthalate		<8			
Di-n-octyl phthalate		<8			
Dinoseb		<.5			
Diphenylamine		<8			
Disulfoton		2.9			
Endosulfan i		<.05			
Endosulfan ii		<.05			
Endosulfan sulfate		<.05			
Endrin		<.05			
Endrin aldehyde		<.05			
Ethyl methacrylate		<10			
Ethyl methanesulfonate		<8			
Ethylbenzene	<1.0	<1.0	1.0	2.8	<1.0
Famphur		<.4			
Fluoranthene		<8			
Fluorene		<8			
Gamma-bhc (lindane)		<.05			
Heptachlor		<.05			
Heptachlor epoxide		<.05			
Hexachlorobenzene		<.05			

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-31R

Constituents	Units	10/23/2014	4/1/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017	4/24/2018
Hexachlorobutadiene	ug/L								
Hexachlorocyclopentadiene	ug/L								
Hexachloroethane	ug/L								
Hexachloropropene	ug/L								
Indeno(1,2,3-cd)pyrene	ug/L								
Isobutanol	ug/L								
Isodrin	ug/L								
Isophorone	ug/L								
Isosafrole	ug/L								
Kepone	ug/L								
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	ug/L								
Methacrylonitrile	ug/L								
Methapyrilene	ug/L								
Methoxychlor	ug/L								
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L								
Methyl methanesulfonate	ug/L								
Methyl parathion	ug/L								
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L								
Nickel, total	ug/L	21.4	19.3	20.6	22.2	18.8	23.9	23.6	29.5
Nitrobenzene	ug/L								
N-nitrosodiethylamine	ug/L								
N-nitrosodimethylamine	ug/L								
N-nitrosodi-n-butylamine	ug/L								
N-nitroso-di-n-propylamine	ug/L								
N-nitrosodiphenylamine	ug/L								
N-nitrosomethylethylamine	ug/L								
N-nitrosopiperidine	ug/L								
N-nitrosopyrrolidine	ug/L								
O,o,o-triethyl phosphorothioate	ug/L								
O-toluidine	ug/L								
Parathion	ug/L								
P-dimethylaminoazobenzene	ug/L								
Pentachlorobenzene	ug/L								
Pentachloronitrobenzene (pcnb)	ug/L								
Pentachlorophenol	ug/L								
Phenacetin	ug/L								
Phenanthrene	ug/L								
Phenol	ug/L								
Phorate	ug/L								
Pronamide	ug/L								
Propionitrile	ug/L								
Pyrene	ug/L								
Safrole	ug/L								
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	534	40						
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L								
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Thionazin	ug/L								
Tin, total	ug/L								
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L								
Trans-1,2-dichloroethylene	ug/L	9.2	6.5	6.8	3.7	3.7	3.5	3.8	3.9
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	4.0	2.7	2.2	2.3	2.0	1.1	<1.0	1.3
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	<8.0	23.9	<8.0	<8.0	<8.0	<8.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-31R

Constituents	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/2/2020	4/8/2021	10/29/2021	4/25/2022	10/17/2022
Hexachlorobutadiene	<8								
Hexachlorocyclopentadiene	<8								
Hexachloroethane	<8								
Hexachloropropene	<8								
Indeno(1,2,3-cd)pyrene	<8								
Isobutanol	<1000								
Isodrin	<8								
Isophorone	<8								
Isosafrole	<8								
Kepone	<8								
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	<5								
Methacrylonitrile	<1								
Methapyrilene	<8								
Methoxychlor	<.05								
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	<1								
Methyl methanesulfonate	<8								
Methyl parathion	<4								
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	<8								
Nickel, total	19.9	31.9	24.7	37.3	34.1	52.1	24.1	30.9	25.0
Nitrobenzene	<8								
N-nitrosodiethylamine	<8								
N-nitrosodimethylamine	<8								
N-nitrosodi-n-butylamine	<8								
N-nitroso-di-n-propylamine	<8								
N-nitrosodiphenylamine	<8								
N-nitrosomethylethylamine	<8								
N-nitrosopiperidine	<8								
N-nitrosopyrrolidine	<8								
O,o,o-triethyl phosphorothioate	<4								
O-toluidine	<8								
Parathion	<4								
P-dimethylaminoazobenzene	<8								
Pentachlorobenzene	<8								
Pentachloronitrobenzene (pcnb)	<8								
Pentachlorophenol	<8								
Phenacetin	<8								
Phenanthrene	<8								
Phenol	<8								
Phorate	<4								
Pronamide	<8								
Propionitrile	<10								
Pyrene	<8								
Safrole	<8								
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	<1								
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin	<4								
Tin, total	<20								
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	<2								
Trans-1,2-dichloroethylene	<1.0	2.7	1.8	2.9	3.7	2.1	2.6	2.4	2.6
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<8.0	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-31R

Constituents	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025
Hexachlorobutadiene		<8			
Hexachlorocyclopentadiene		<8			
Hexachloroethane		<8			
Hexachloropropene		<8			
Indeno(1,2,3-cd)pyrene		<8			
Isobutanol		<1000			
Isodrin		<8			
Isophorone		<8			
Isosafrole		<8			
Kepone		<8			
Lead, total	<4	<4	<4	<4	<1
Mercury, total		<5			
Methacrylonitrile		<1			
Methapyrilene		<8			
Methoxychlor		<.05			
Methyl iodide	<1	<2	<1	<1	<1
Methyl methacrylate		<1			
Methyl methanesulfonate		<8			
Methyl parathion		<.4			
Methylene chloride	<5	<5	<5	<5	<5
Naphthalene		<8			
Nickel, total	34.7	30.3	34.2	22.7	28.9
Nitrobenzene		<8			
N-nitrosodiethylamine		<8			
N-nitrosodimethylamine		<8			
N-nitrosodi-n-butylamine		<8			
N-nitroso-di-n-propylamine		<8			
N-nitrosodiphenylamine		<8			
N-nitrosomethylethylamine		<8			
N-nitrosopiperidine		<8			
N-nitrosopyrrolidine		<8			
O,o,o-triethyl phosphorothioate		<.4			
O-toluidine		<8			
Parathion		<.4			
P-dimethylaminoazobenzene		<8			
Pentachlorobenzene		<8			
Pentachloronitrobenzene (pcnb)		<8			
Pentachlorophenol		<8			
Phenacetin		<8			
Phenanthrene		<8			
Phenol		<8			
Phorate		<.4			
Pronamide		<8			
Propionitrile		<10			
Pyrene		<8			
Safrole		<8			
Selenium, total	<4	<4	<4	<4	<2
Silver, total	<4	<4	<4	<4	<5
Solids, total suspended					
Styrene	<1	<1	<1	<1	<1
Sulfide, total		<.1			
Tetrachloroethylene	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<.5
Thionazin		<.4			
Tin, total		<20			
Toluene	<1	<1	<1	<1	<1
Toxaphene		<.2			
Trans-1,2-dichloroethylene	1.6	2.3	2.5	1.8	1.7
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<2
Vinyl acetate	<5	<5	<5	<5	<5
Vinyl chloride	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, total	<2	<2	<2	<2	<2
Zinc, total	<20.0	41.0	<20.0	<20.0	6.7

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-33

Constituents	Units	10/23/2014	4/1/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017	4/24/2018
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	123.0	146.0	268.0	196.0	216.0	127.0	151.0	119.0
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8
Copper, total	ug/L	<4	<4	<4	7	<4	<4	<4	<4
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<4.0	<4.0	5.2	4.8	<4.0	<4.0	<4.0	<20.0
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	128	2						
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	36.5	27.7	<8.0	<8.0	<8.0	<8.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-33

Constituents	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/1/2020	4/8/2021	10/29/2021	4/25/2022	10/17/2022
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1	<1	<1	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	196.0	133.0	123.0	188.0	226.0	157.0	91.2	106.0	214.0
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<8	<8	<8	<8	<8	<8	<8	<8	<8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<8	<8	<8	<4	<4	<4	<4	4	1.3
Copper, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4.0	<4.0	<4.0	4.4	4.2	<4.0	<4.0	<4.0	<4.0
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<8.0	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-33

Constituents	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<1	<1
Arsenic, total	<4	<4	<4	<4	<2	<2
Barium, total	130.0	237.0	105.0	239.0	167.0	281.0
Benzene	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<5	<5
Bromochloromethane	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.2	<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	1.1	1.2
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Cobalt, total	<.4	<.4	<.4	<.4	<.5	.7
Copper, total	<.4	<.4	<.4	<.4	<.5	<.5
Dibromochloromethane	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1
Lead, total	<.4	<.4	<.4	<.4	<.1	<.1
Methyl iodide	<1	<1	<1	<1	<1	<1
Methylene chloride	<.5	<.5	<.5	<.5	<.5	<.5
Nickel, total	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0
Selenium, total	<.4	<.4	<.4	<.4	<.2	<.2
Silver, total	<.4	<.4	<.4	<.4	<.5	<.5
Solids, total suspended						
Styrene	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Toluene	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<.5	<.5	<.5	<.5	<.5	<.5
Trichloroethylene	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<.2	<.2
Vinyl acetate	<.5	<.5	<.5	<.5	<.5	<.5
Vinyl chloride	<1	<1	<1	<1	<1	<1
Xylenes, total	<.2	<.2	<.2	<.2	<.2	<.2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<5.0	9.3

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-35

Constituents	Units	10/23/2014	4/1/2015	7/8/2015	10/17/2016	1/9/2017	4/21/2017	10/16/2017	4/24/2018
(3,4)-methylphenol	ug/L							<11	
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1		<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1		<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1		<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1		<1	<1	<1
1,1-dichloroethane	ug/L	1.0	1.2	2.3	10.8		9.8	9.8	12.0
1,1-dichloroethylene	ug/L	<1	<1	<1	<1		<1	<1	<1
1,1-dichloropropene	ug/L							<1	
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1		<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L							<11	
1,2,4-trichlorobenzene	ug/L							<1	
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1		<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1		<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1		<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1		<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1		<1	<1	<1
1,2-dinitrobenzene	ug/L							<11	
1,3,5-trinitrobenzene	ug/L							<11	
1,3-dichlorobenzene	ug/L							<1	
1,3-dichloropropane	ug/L							<1	
1,3-dinitrobenzene	ug/L							<11	
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1		<1	<1	<1
1,4-naphthoquinone	ug/L							<11	
1,4-phenylenediamine	ug/L							<11	
1-naphthylamine	ug/L							<11	
2,2-dichloropropane	ug/L							<1	
2,3,4,6-tetrachlorophenol	ug/L							<11	
2,4,5-t	ug/L							<5	
2,4,5-tp (silvex)	ug/L							<5	
2,4,5-trichlorophenol	ug/L							<11	
2,4,6-trichlorophenol	ug/L							<11	
2,4-d	ug/L							<2	
2,4-dichlorophenol	ug/L							<11	
2,4-dimethylphenol	ug/L							<11	
2,4-dinitrophenol	ug/L							<11	
2,4-dinitrotoluene	ug/L							<11	
2,6-dichlorophenol	ug/L							<11	
2,6-dinitrotoluene	ug/L							<11	
2-acetylaminofluorene	ug/L							<11	
2-butanone (mek)	ug/L	<5	<5	<5	<5		<5	<5	<5
2-chloronaphthalene	ug/L							<11	
2-chlorophenol	ug/L							<11	
2-hexanone (mbk)	ug/L	<5	<5	<5	<5		<5	<5	<5
2-methylnaphthalene	ug/L							<11	
2-methylphenol	ug/L							<11	
2-naphthylamine	ug/L							<11	
2-nitroaniline	ug/L							<11	
2-nitrophenol	ug/L							<11	
3,3'-dichlorobenzidine	ug/L							<11	
3,3'-dimethylbenzidine	ug/L							<11	
3-methylcholanthrene	ug/L							<11	
3-nitroaniline	ug/L							<11	
4,4'-ddd	ug/L							<.05	
4,4'-dde	ug/L							<.05	
4,4'-ddt	ug/L							<.05	
4,6-dinitro-2-methylphenol	ug/L							<11	
4-aminobiphenyl	ug/L							<11	
4-bromophenyl phenyl ether	ug/L							<11	
4-chloro-3-methylphenol	ug/L							<11	
4-chloroaniline	ug/L							<11	
4-chlorophenyl phenyl ether	ug/L							<11	
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5		<5	<5	<5
4-nitroaniline	ug/L							<11	
4-nitrophenol	ug/L							<11	
5-nitro-o-toluidine	ug/L							<11	
7,12-dimethylbenz(a)anthracene	ug/L							<11	
Acenaphthene	ug/L							<11	
Acenaphthylene	ug/L							<11	
Acetone	ug/L	<10	<10	<10	<10		<10	<10	<10
Acetonitrile	ug/L							<10	
Acetophenone	ug/L							<11	
Acrolein	ug/L							<10	
Acrylonitrile	ug/L	<5	<5	<5	<5		<5	<5	<5
Aldrin	ug/L							<.05	
Allyl chloride	ug/L							<1	
Alpha-bhc	ug/L							<.05	
Anthracene	ug/L							<11	

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-35

Constituents	10/25/2018	4/15/2019	10/7/2019	4/22/2020
(3,4)-methylphenol				
1,1,1,2-tetrachloroethane	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1
1,1-dichloroethane	5.5	5.7	5.7	5.0
1,1-dichloroethylene	<1	<1	<1	<1
1,1-dichloropropene				
1,2,3-trichloropropane	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene				
1,2,4-trichlorobenzene				
1,2-dibromo-3-chloropropane	<1	<1	<1	<5
1,2-dibromoethane	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1
1,2-dinitrobenzene				
1,3,5-trinitrobenzene				
1,3-dichlorobenzene				
1,3-dichloropropane				
1,3-dinitrobenzene				
1,4-dichlorobenzene	<1	<1	<1	<1
1,4-naphthoquinone				
1,4-phenylenediamine				
1-naphthylamine				
2,2-dichloropropane				
2,3,4,6-tetrachlorophenol				
2,4,5-t				
2,4,5-tp (silvex)				
2,4,5-trichlorophenol				
2,4,6-trichlorophenol				
2,4-d				
2,4-dichlorophenol				
2,4-dimethylphenol				
2,4-dinitrophenol				
2,4-dinitrotoluene				
2,6-dichlorophenol				
2,6-dinitrotoluene				
2-acetylaminofluorene				
2-butanone (mek)	<5	<5	<5	<5
2-chloronaphthalene				
2-chlorophenol				
2-hexanone (mbk)	<5	<5	<5	<5
2-methylnaphthalene				
2-methylphenol				
2-naphthylamine				
2-nitroaniline				
2-nitrophenol				
3,3'-dichlorobenzidine				
3,3'-dimethylbenzidine				
3-methylcholanthrene				
3-nitroaniline				
4,4'-ddd				
4,4'-dde				
4,4'-ddt				
4,6-dinitro-2-methylphenol				
4-aminobiphenyl				
4-bromophenyl phenyl ether				
4-chloro-3-methylphenol				
4-chloroaniline				
4-chlorophenyl phenyl ether				
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5
4-nitroaniline				
4-nitrophenol				
5-nitro-o-toluidine				
7,12-dimethylbenz(a)anthracene				
Acenaphthene				
Acenaphthylene				
Acetone	<10	<10	<10	<10
Acetonitrile				
Acetophenone				
Acrolein				
Acrylonitrile	<5	<5	<5	<5
Aldrin				
Allyl chloride				
Alpha-bhc				
Anthracene				

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-35

Constituents	Units	10/23/2014	4/1/2015	7/8/2015	10/17/2016	1/9/2017	4/21/2017	10/16/2017	4/24/2018
Antimony, total	ug/L	<2	<2	<2	<2		<2	<2	<2
Arochlor 1016	ug/L							<.1	
Arochlor 1221	ug/L							<.2	
Arochlor 1232	ug/L							<.2	
Arochlor 1242	ug/L							<.2	
Arochlor 1248	ug/L							<.2	
Arochlor 1254	ug/L							<.1	
Arochlor 1260	ug/L							<.1	
Arsenic, total	ug/L	<4	<4	<4	<4		<4	<4	<4
Azobenzene	ug/L							<11	
Barium, total	ug/L	518	331	174	1090	1130	1170	1290	1180
Benzene	ug/L	<1.0	<1.0	<1.0	1.1		<1.0	1.3	1.4
Benzo(a)anthracene	ug/L							<11	
Benzo(a)pyrene	ug/L							<11	
Benzo(b)fluoranthene	ug/L							<11	
Benzo(g,h,i)perylene	ug/L							<11	
Benzo(k)fluoranthene	ug/L							<11	
Benzyl alcohol	ug/L							<11	
Beryllium, total	ug/L	<4	<4	<4	<4		<4	<4	<4
Beta-bhc	ug/L							<.05	
Bis (2-chloroethoxy) methane	ug/L							<11	
Bis(2-chloroethyl) ether	ug/L							<11	
Bis(2-chloroisopropyl) ether	ug/L							<11	
Bis(2-ethylhexyl) phthalate	ug/L							<8	
Bromochloromethane	ug/L	<1	<1	<1	<1		<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1		<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1		<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1		<1	<1	<1
Butyl benzyl phthalate	ug/L							<11	
Cadmium, total	ug/L	<.8	<.8	<.8	<.8		<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1		<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1		<1	<1	<1
Chlordane	ug/L							<.1	
Chlorobenzene	ug/L	<1	<1	<1	<1		<1	<1	<1
Chlorobenzilate	ug/L							<11	
Chloroethane	ug/L	<1.0	<1.0	<1.0	28.2		21.8	16.7	28.9
Chloroform	ug/L	<1	<1	<1	<1		<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1		<1	<1	<1
Chloroprene	ug/L							<1	
Chromium, total	ug/L	<8	<8	<8	<8		<8	<8	<8
Chrysene	ug/L							<11	
Cis-1,2-dichloroethylene	ug/L	<1.0	<1.0	<1.0	9.3		6.4	9.7	13.9
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1		<1	<1	<1
Cobalt, total	ug/L	<.8	<.8	<.8	3.6		5.3	4.7	6.1
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0
Cyanide, total	mg/L							<.005	
Delta-bhc	ug/L							<.05	
Diallate	ug/L							<11	
Dibenzo(a,h)anthracene	ug/L							<11	
Dibenzofuran	ug/L							<11	
Dibromochloromethane	ug/L	<1	<1	<1	<1		<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1		<1	<1	<1
Dichlorodifluoromethane	ug/L							<1	
Dieldrin	ug/L							<.05	
Diethyl phthalate	ug/L							<11	
Dimethoate	ug/L							<.4	
Dimethylphthalate	ug/L							<11	
Di-n-butyl phthalate	ug/L							<11	
Di-n-octyl phthalate	ug/L							<11	
Dinoseb	ug/L							<.5	
Diphenylamine	ug/L							<11	
Disulfoton	ug/L							<.4	
Endosulfan i	ug/L							<.05	
Endosulfan ii	ug/L							<.05	
Endosulfan sulfate	ug/L							<.05	
Endrin	ug/L							<.05	
Endrin aldehyde	ug/L							<.05	
Ethyl methacrylate	ug/L							<10	
Ethyl methanesulfonate	ug/L							<11	
Ethylbenzene	ug/L	<1	<1	<1	<1		<1	<1	<1
Famphur	ug/L							<.4	
Fluoranthene	ug/L							<11	
Fluorene	ug/L							<11	
Gamma-bhc (lindane)	ug/L							<.05	
Heptachlor	ug/L							<.05	
Heptachlor epoxide	ug/L							<.05	
Hexachlorobenzene	ug/L							<.05	

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-35

Constituents	10/25/2018	4/15/2019	10/7/2019	4/22/2020
Antimony, total	<2	<2	<2	<2
Arochlor 1016				
Arochlor 1221				
Arochlor 1232				
Arochlor 1242				
Arochlor 1248				
Arochlor 1254				
Arochlor 1260				
Arsenic, total	<4	<4	<4	<4
Azobenzene				
Barium, total	1120	1060	1180	1130
Benzene	<1.0	<1.0	<1.0	<1.0
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Benzyl alcohol				
Beryllium, total	<4	<4	<4	<4
Beta-bhc				
Bis (2-chloroethoxy) methane				
Bis(2-chloroethyl) ether				
Bis(2-chloroisopropyl) ether				
Bis(2-ethylhexyl) phthalate				
Bromochloromethane	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1
Butyl benzyl phthalate				
Cadmium, total	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1
Chlordane				
Chlorobenzene	<1	<1	<1	<1
Chlorobenzilate				
Chloroethane	<1.0	11.2	16.8	10.2
Chloroform	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1
Chloroprene				
Chromium, total	<8	<8	<8	<8
Chrysene				
Cis-1,2-dichloroethylene	4.8	5.1	4.7	3.2
Cis-1,3-dichloropropene	<1	<1	<1	<1
Cobalt, total	4.6	5.1	3.9	7.3
Copper, total	5.7	<4.0	<4.0	<4.0
Cyanide, total				
Delta-bhc				
Diallate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Dibromochloromethane	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1
Dichlorodifluoromethane				
Dieldrin				
Diethyl phthalate				
Dimethoate				
Dimethylphthalate				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dinoseb				
Diphenylamine				
Disulfoton				
Endosulfan i				
Endosulfan ii				
Endosulfan sulfate				
Endrin				
Endrin aldehyde				
Ethyl methacrylate				
Ethyl methanesulfonate				
Ethylbenzene	<1	<1	<1	<1
Famphur				
Fluoranthene				
Fluorene				
Gamma-bhc (lindane)				
Heptachlor				
Heptachlor epoxide				
Hexachlorobenzene				

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-35

Constituents	Units	10/23/2014	4/1/2015	7/8/2015	10/17/2016	1/9/2017	4/21/2017	10/16/2017	4/24/2018
Hexachlorobutadiene	ug/L							<11	
Hexachlorocyclopentadiene	ug/L							<11	
Hexachloroethane	ug/L							<11	
Hexachloropropene	ug/L							<11	
Indeno(1,2,3-cd)pyrene	ug/L							<11	
Isobutanol	ug/L							<1000	
Isodrin	ug/L							<11	
Isophorone	ug/L							<11	
Isosafrole	ug/L							<11	
Kepone	ug/L							<11	
Lead, total	ug/L	<4	<4	<4	<4		<4	<4	<4
Mercury, total	ug/L							<.5	
Methacrylonitrile	ug/L							<1	
Methapyrilene	ug/L							<11	
Methoxychlor	ug/L							<.05	
Methyl iodide	ug/L	<1	<1	<1	<1		<1	<1	<1
Methyl methacrylate	ug/L							<1	
Methyl methanesulfonate	ug/L							<11	
Methyl parathion	ug/L							<.4	
Methylene chloride	ug/L	<5	<5	<5	<5		<5	<5	<5
Naphthalene	ug/L							<11	
Nickel, total	ug/L	<4.0	6.4	6.0	36.8	53.8	48.0	49.9	45.0
Nitrobenzene	ug/L							<11	
N-nitrosodiethylamine	ug/L							<11	
N-nitrosodimethylamine	ug/L							<11	
N-nitrosodi-n-butylamine	ug/L							<11	
N-nitroso-di-n-propylamine	ug/L							<11	
N-nitrosodiphenylamine	ug/L							<11	
N-nitrosomethylethylamine	ug/L							<11	
N-nitrosopiperidine	ug/L							<11	
N-nitrosopyrrolidine	ug/L							<11	
O,o,o-triethyl phosphorothioate	ug/L							<.4	
O-toluidine	ug/L							<11	
Parathion	ug/L							<.4	
P-dimethylaminoazobenzene	ug/L							<11	
Pentachlorobenzene	ug/L							<11	
Pentachloronitrobenzene (pcnb)	ug/L							<11	
Pentachlorophenol	ug/L							<11	
Phenacetin	ug/L							<11	
Phenanthrene	ug/L							<11	
Phenol	ug/L							<11	
Phorate	ug/L							<.4	
Pronamide	ug/L							<11	
Propionitrile	ug/L							<10	
Pyrene	ug/L							<11	
Safrole	ug/L							<11	
Selenium, total	ug/L	<4.0	5.1	<4.0	<4.0		<4.0	<4.0	<4.0
Silver, total	ug/L	<4	<4	<4	<4		<4	<4	<4
Solids, total suspended	mg/L	46	59						
Styrene	ug/L	<1	<1	<1	<1		<1	<1	<1
Sulfide, total	mg/L							<.1	
Tetrachloroethylene	ug/L	<1	<1	<1	<1		<1	<1	<1
Thallium, total	ug/L	<4	<4	<4	<4		<4	<4	<4
Thionazin	ug/L							<.4	
Tin, total	ug/L							<20	
Toluene	ug/L	<1	<1	<1	<1		<1	<1	<1
Toxaphene	ug/L							<.2	
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1		<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1		<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5		<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1		<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1		<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20		<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5		<5	<5	<5
Vinyl chloride	ug/L	<1.0	<1.0	<1.0	1.8		1.2	<1.0	2.1
Xylenes, total	ug/L	<2	<2	<2	<2		<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	<8.0	<8.0		<8.0	<8.0	<8.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-35

Constituents	10/25/2018	4/15/2019	10/7/2019	4/22/2020
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Hexachloropropene				
Indeno(1,2,3-cd)pyrene				
Isobutanol				
Isodrin				
Isophorone				
Isosafrole				
Kepone				
Lead, total	<4	<4	<4	<4
Mercury, total				
Methacrylonitrile				
Methapyrilene				
Methoxychlor				
Methyl iodide	<1	<1	<1	<1
Methyl methacrylate				
Methyl methanesulfonate				
Methyl parathion				
Methylene chloride	<5	<5	<5	<5
Naphthalene				
Nickel, total	38.7	34.6	38.4	35.0
Nitrobenzene				
N-nitrosodiethylamine				
N-nitrosodimethylamine				
N-nitrosodi-n-butylamine				
N-nitroso-di-n-propylamine				
N-nitrosodiphenylamine				
N-nitrosomethylethylamine				
N-nitrosopiperidine				
N-nitrosopyrrolidine				
O,o,o-triethyl phosphorothioate				
O-toluidine				
Parathion				
P-dimethylaminoazobenzene				
Pentachlorobenzene				
Pentachloronitrobenzene (pcnb)				
Pentachlorophenol				
Phenacetin				
Phenanthrene				
Phenol				
Phorate				
Pronamide				
Propionitrile				
Pyrene				
Safrole				
Selenium, total	<4.0	<4.0	<4.0	<4.0
Silver, total	<4	<4	<4	<4
Solids, total suspended				
Styrene	<1	<1	<1	<1
Sulfide, total				
Tetrachloroethylene	<1	<1	<1	<1
Thallium, total	<4	<2	<2	<2
Thionazin				
Tin, total				
Toluene	<1	<1	<1	<1
Toxaphene				
Trans-1,2-dichloroethylene	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5
Vinyl chloride	<1.0	<1.0	<1.0	<1.0
Xylenes, total	<2	<2	<2	<2
Zinc, total	<20.0	15.6	<8.0	<20.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-35R

Constituents	Units	10/1/2020	4/8/2021	10/29/2021	4/25/2022	10/17/2022	1/5/2023	4/10/2023	10/27/2023
Dibenzo(a,h)anthracene	ug/L					<8			
Dibenzofuran	ug/L					<8			
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Dichlorodifluoromethane	ug/L					<1			
Dieldrin	ug/L					<.05			
Diethyl phthalate	ug/L					<8			
Dimethoate	ug/L					<.4			
Dimethylphthalate	ug/L					<8			
Di-n-butyl phthalate	ug/L					<8			
Di-n-octyl phthalate	ug/L					<8			
Dinoseb	ug/L					<.5			
Diphenylamine	ug/L					<8			
Disulfoton	ug/L					<.4			
Endosulfan i	ug/L					<.05			
Endosulfan ii	ug/L					<.05			
Endosulfan sulfate	ug/L					<.05			
Endrin	ug/L					<.05			
Endrin aldehyde	ug/L					<.05			
Ethyl methacrylate	ug/L					<10			
Ethyl methanesulfonate	ug/L					<8			
Ethylbenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
Famphur	ug/L					<.4			
Fluoranthene	ug/L					<8			
Fluorene	ug/L					<8			
Gamma-bhc (lindane)	ug/L					<.05			
Heptachlor	ug/L					<.05			
Heptachlor epoxide	ug/L					<.05			
Hexachlorobenzene	ug/L					<.05			
Hexachlorobutadiene	ug/L					<8			
Hexachlorocyclopentadiene	ug/L					<8			
Hexachloroethane	ug/L					<8			
Hexachloropropene	ug/L					<8			
Indeno(1,2,3-cd)pyrene	ug/L					<8			
Isobutanol	ug/L					<1000			
Isodrin	ug/L					<8			
Isophorone	ug/L					<8			
Isosafrole	ug/L					<8			
Kepone	ug/L					<8			
Lead, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0
Mercury, total	ug/L					<.5			
Methacrylonitrile	ug/L					<1			
Methapyrilene	ug/L					<8			
Methoxychlor	ug/L					<.05			
Methyl iodide	ug/L	<1	<1	<1	<1	<2		<1	<1
Methyl methacrylate	ug/L					<1			
Methyl methanesulfonate	ug/L					<8			
Methyl parathion	ug/L					<.4			
Methylene chloride	ug/L	<5	<5	<5	<5	<5		<5	<5
Naphthalene	ug/L					<8			
Nickel, total	ug/L	38.6	34.0	25.1	26.4	23.0		26.0	21.3
Nitrobenzene	ug/L					<8			
N-nitrosodiethylamine	ug/L					<8			
N-nitrosodimethylamine	ug/L					<8			
N-nitrosodi-n-butylamine	ug/L					<8			
N-nitroso-di-n-propylamine	ug/L					<8			
N-nitrosodiphenylamine	ug/L					<8			
N-nitrosomethylethylamine	ug/L					<8			
N-nitrosopiperidine	ug/L					<8			
N-nitrosopyrrolidine	ug/L					<8			
O,o,o-triethyl phosphorothioate	ug/L					<.4			
O-toluidine	ug/L					<8			
Parathion	ug/L					<.4			
P-dimethylaminoazobenzene	ug/L					<8			
Pentachlorobenzene	ug/L					<8			
Pentachloronitrobenzene (pcnb)	ug/L					<8			
Pentachlorophenol	ug/L					<8			
Phenacetin	ug/L					<8			
Phenanthrene	ug/L					<8			
Phenol	ug/L					<8			
Phorate	ug/L					<.4			
Pronamide	ug/L					<8			
Propionitrile	ug/L					<10			
Pyrene	ug/L					<8			
Safrole	ug/L					<8			
Selenium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0
Silver, total	ug/L	<4	<4	<4	<4	<4		<4	<4

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-35R

Constituents	4/2/2024	4/15/2025	10/16/2025
Dibenzo(a,h)anthracene			
Dibenzofuran			
Dibromochloromethane	<1	<1	<1
Dibromomethane	<1	<1	<1
Dichlorodifluoromethane			
Dieldrin			
Diethyl phthalate			
Dimethoate			
Dimethylphthalate			
Di-n-butyl phthalate			
Di-n-octyl phthalate			
Dinoseb			
Diphenylamine			
Disulfoton			
Endosulfan i			
Endosulfan ii			
Endosulfan sulfate			
Endrin			
Endrin aldehyde			
Ethyl methacrylate			
Ethyl methanesulfonate			
Ethylbenzene	<1	<1	<1
Famphur			
Fluoranthene			
Fluorene			
Gamma-bhc (lindane)			
Heptachlor			
Heptachlor epoxide			
Hexachlorobenzene			
Hexachlorobutadiene			
Hexachlorocyclopentadiene			
Hexachloroethane			
Hexachloropropene			
Indeno(1,2,3-cd)pyrene			
Isobutanol			
Isodrin			
Isophorone			
Isosafrole			
Kepone			
Lead, total	<4.0	1.4	<1.0
Mercury, total			
Methacrylonitrile			
Methapyrilene			
Methoxychlor			
Methyl iodide	<1	<1	<1
Methyl methacrylate			
Methyl methanesulfonate			
Methyl parathion			
Methylene chloride	<5	<5	<5
Naphthalene			
Nickel, total	25.6	23.6	27.7
Nitrobenzene			
N-nitrosodiethylamine			
N-nitrosodimethylamine			
N-nitrosodi-n-butylamine			
N-nitroso-di-n-propylamine			
N-nitrosodiphenylamine			
N-nitrosomethylethylamine			
N-nitrosopiperidine			
N-nitrosopyrrolidine			
O,o,o-triethyl phosphorothioate			
O-toluidine			
Parathion			
P-dimethylaminoazobenzene			
Pentachlorobenzene			
Pentachloronitrobenzene (pcnb)			
Pentachlorophenol			
Phenacetin			
Phenanthrene			
Phenol			
Phorate			
Pronamide			
Propionitrile			
Pyrene			
Safrole			
Selenium, total	<4.0	3.6	<2.0
Silver, total	<4	<5	<5

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-35R

Constituents	Units	10/1/2020	4/8/2021	10/29/2021	4/25/2022	10/17/2022	1/5/2023	4/10/2023	10/27/2023
Styrene	ug/L	<1	<1	<1	<1	<1		<1	<1
Sulfide, total	mg/L					<.3			
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
Thallium, total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0		<2.0	<2.0
Thionazin	ug/L					<.4			
Tin, total	ug/L					<20			
Toluene	ug/L	<1	<1	<1	<1	<1		<1	<1
Toxaphene	ug/L					<.2			
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1		<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5		<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20		<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5		<5	<5
Vinyl chloride	ug/L	1.1	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0
Xylenes, total	ug/L	<2	<2	<2	<2	<2		<2	<2
Zinc, total	ug/L	<20.0	<20.0	<20.0	<20.0	<20.0		<20.0	57.7
(3,4)-methylphenol	ug/L					<8			
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1-dichloroethane	ug/L	5.1	4.9	1.4	2.0	<1.0		3.1	<1.0
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1-dichloropropene	ug/L					<1			
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2,4,5-tetrachlorobenzene	ug/L					<8			
1,2,4-trichlorobenzene	ug/L					<1			
1,2-dibromo-3-chloropropane	ug/L	<5	<5	<5	<5	<1		<5	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dinitrobenzene	ug/L					<8			
1,3,5-trinitrobenzene	ug/L					<8			
1,3-dichlorobenzene	ug/L					<1			
1,3-dichloropropane	ug/L					<1			
1,3-dinitrobenzene	ug/L					<8			
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
1,4-naphthoquinone	ug/L					<8			
1,4-phenylenediamine	ug/L					<8			
1-naphthylamine	ug/L					<8			
2,2-dichloropropane	ug/L					<1			
2,3,4,6-tetrachlorophenol	ug/L					<8			
2,4,5-t	ug/L					<.5			
2,4,5-tp (silvex)	ug/L					<.5			
2,4,5-trichlorophenol	ug/L					<8			
2,4,6-trichlorophenol	ug/L					<8			
2,4-d	ug/L					<2			
2,4-dichlorophenol	ug/L					<8			
2,4-dimethylphenol	ug/L					<8			
2,4-dinitrophenol	ug/L					<8			
2,4-dinitrotoluene	ug/L					<8			
2,6-dichlorophenol	ug/L					<8			
2,6-dinitrotoluene	ug/L					<8			
2-acetylaminofluorene	ug/L					<8			
2-butanone (mek)	ug/L	<5	<5	<5	<10	<5		<10	<10
2-chloronaphthalene	ug/L					<8			
2-chlorophenol	ug/L					<8			
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5		<5	<5
2-methylnaphthalene	ug/L					<8			
2-methylphenol	ug/L					<8			
2-naphthylamine	ug/L					<8			
2-nitroaniline	ug/L					<8			
2-nitrophenol	ug/L					<8			
3,3'-dichlorobenzidine	ug/L					<8			
3,3'-dimethylbenzidine	ug/L					<8			
3-methylcholanthrene	ug/L					<8			
3-nitroaniline	ug/L					<8			
4,4'-ddd	ug/L					<.05			
4,4'-dde	ug/L					<.05			
4,4'-ddt	ug/L					<.05			
4,6-dinitro-2-methylphenol	ug/L					<8			
4-aminobiphenyl	ug/L					<8			
4-bromophenyl phenyl ether	ug/L					<8			
4-chloro-3-methylphenol	ug/L					<8			

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-35R

Constituents	4/2/2024	4/15/2025	10/16/2025
Styrene	<1	<1	<1
Sulfide, total			
Tetrachloroethylene	<1	<1	<1
Thallium, total	<2.0	<.5	<.5
Thionazin			
Tin, total			
Toluene	<1	<1	<1
Toxaphene			
Trans-1,2-dichloroethylene	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5
Trichloroethylene	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1
Vanadium, total	<20	<2	<2
Vinyl acetate	<5	<5	<5
Vinyl chloride	<1.0	<1.0	1.7
Xylenes, total	<2	<2	<2
Zinc, total	22.3	<5.0	20.0
(3,4)-methylphenol			
1,1,1,2-tetrachloroethane	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1
1,1-dichloroethane	<1.0	<1.0	<1.0
1,1-dichloroethylene	<1	<1	<1
1,1-dichloropropene			
1,2,3-trichloropropane	<1	<1	<1
1,2,4,5-tetrachlorobenzene			
1,2,4-trichlorobenzene			
1,2-dibromo-3-chloropropane	<5	<5	<5
1,2-dibromoethane	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1
1,2-dichloroethane	<1	<1	<1
1,2-dichloropropane	<1	<1	<1
1,2-dinitrobenzene			
1,3,5-trinitrobenzene			
1,3-dichlorobenzene			
1,3-dichloropropane			
1,3-dinitrobenzene			
1,4-dichlorobenzene	<1	<1	<1
1,4-naphthoquinone			
1,4-phenylenediamine			
1-naphthylamine			
2,2-dichloropropane			
2,3,4,6-tetrachlorophenol			
2,4,5-t			
2,4,5-tp (silvex)			
2,4,5-trichlorophenol			
2,4,6-trichlorophenol			
2,4-d			
2,4-dichlorophenol			
2,4-dimethylphenol			
2,4-dinitrophenol			
2,4-dinitrotoluene			
2,6-dichlorophenol			
2,6-dinitrotoluene			
2-acetylaminofluorene			
2-butanone (mek)	<10	<10	<10
2-chloronaphthalene			
2-chlorophenol			
2-hexanone (mbk)	<5	<5	<5
2-methylnaphthalene			
2-methylphenol			
2-naphthylamine			
2-nitroaniline			
2-nitrophenol			
3,3'-dichlorobenzidine			
3,3'-dimethylbenzidine			
3-methylcholanthrene			
3-nitroaniline			
4,4'-ddd			
4,4'-dde			
4,4'-ddt			
4,6-dinitro-2-methylphenol			
4-aminobiphenyl			
4-bromophenyl phenyl ether			
4-chloro-3-methylphenol			

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-35R

Constituents	Units	10/1/2020	4/8/2021	10/29/2021	4/25/2022	10/17/2022	1/5/2023	4/10/2023	10/27/2023
4-chloroaniline	ug/L					<8			
4-chlorophenyl phenyl ether	ug/L					<8			
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5		<5	<5
4-nitroaniline	ug/L					<8			
4-nitrophenol	ug/L					<8			
5-nitro-o-toluidine	ug/L					<8			
7,12-dimethylbenz(a)anthracene	ug/L					<8			
Acenaphthene	ug/L					<8			
Acenaphthylene	ug/L					<8			
Acetone	ug/L	<10	<10	<10	<10	<10		<10	<10
Acetonitrile	ug/L					<10			
Acetophenone	ug/L					<8			
Acrolein	ug/L					<10			
Acrylonitrile	ug/L	<5	<5	<5	<5	<5		<5	<5
Aldrin	ug/L					<.05			
Allyl chloride	ug/L					<1			
Alpha-bhc	ug/L					<.05			
Anthracene	ug/L					<8			
Antimony, total	ug/L	<2	<2	<2	<2	<2		<2	<2
Arochlor 1016	ug/L					<.1			
Arochlor 1221	ug/L					<.2			
Arochlor 1232	ug/L					<.2			
Arochlor 1242	ug/L					<.2			
Arochlor 1248	ug/L					<.2			
Arochlor 1254	ug/L					<.1			
Arochlor 1260	ug/L					<.1			
Arsenic, total	ug/L	4.1	<4.0	11.1	<4.0	27.2		<4.0	72.6
Azobenzene	ug/L					<8			
Barium, total	ug/L	1300	1290	1370	1150	1420		1100	1890
Benzene	ug/L	<1	<1	<1	<1	<1		<1	<1
Benzo(a)anthracene	ug/L					<8			
Benzo(a)pyrene	ug/L					<8			
Benzo(b)fluoranthene	ug/L					<8			
Benzo(g,h,i)perylene	ug/L					<8			
Benzo(k)fluoranthene	ug/L					<8			
Benzyl alcohol	ug/L					<8			
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0
Beta-bhc	ug/L					<.05			
Bis (2-chloroethoxy) methane	ug/L					<8			
Bis(2-chloroethyl) ether	ug/L					<8			
Bis(2-chloroisopropyl) ether	ug/L					<8			
Bis(2-ethylhexyl) phthalate	ug/L					78	79	6	15
Bromochloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Butyl benzyl phthalate	ug/L					<8			
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8		<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1		<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1		<1	<1
Chlordane	ug/L					<.1			
Chlorobenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
Chlorobenzilate	ug/L					<8			
Chloroethane	ug/L	19.2	11.7	2.3	5.8	2.2		2.7	1.4
Chloroform	ug/L	<1	<1	<1	<1	<1		<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Chloroprene	ug/L					<1			
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0		<8.0	<8.0
Chrysene	ug/L					<8			
Cis-1,2-dichloroethylene	ug/L	4.3	4.0	1.3	1.6	<1.0		<1.0	<1.0
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1		<1	<1
Cobalt, total	ug/L	7.2	9.4	8.3	5.9	7.9		5.7	10.7
Copper, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Cyanide, total	mg/L					<.005			
Delta-bhc	ug/L					<.05			
Diallate	ug/L					<8			

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-35R

Constituents	4/2/2024	4/15/2025	10/16/2025
4-chloroaniline			
4-chlorophenyl phenyl ether			
4-methyl-2-pentanone (mibk)	<5	<5	<5
4-nitroaniline			
4-nitrophenol			
5-nitro-o-toluidine			
7,12-dimethylbenz(a)anthracene			
Acenaphthene			
Acenaphthylene			
Acetone	<10	<10	<10
Acetonitrile			
Acetophenone			
Acrolein			
Acrylonitrile	<5	<5	<5
Aldrin			
Allyl chloride			
Alpha-bhc			
Anthracene			
Antimony, total	<2	<1	<1
Arochlor 1016			
Arochlor 1221			
Arochlor 1232			
Arochlor 1242			
Arochlor 1248			
Arochlor 1254			
Arochlor 1260			
Arsenic, total	18.4	6.5	31.4
Azobenzene			
Barium, total	1590	1520	1780
Benzene	<1	<1	<1
Benzo(a)anthracene			
Benzo(a)pyrene			
Benzo(b)fluoranthene			
Benzo(g,h,i)perylene			
Benzo(k)fluoranthene			
Benzyl alcohol			
Beryllium, total	<4.0	<.5	<.5
Beta-bhc			
Bis (2-chloroethoxy) methane			
Bis(2-chloroethyl) ether			
Bis(2-chloroisopropyl) ether			
Bis(2-ethylhexyl) phthalate	<6		
Bromochloromethane	<1	<1	<1
Bromodichloromethane	<1	<1	<1
Bromoform	<1	<1	<1
Bromomethane	<1	<1	<1
Butyl benzyl phthalate			
Cadmium, total	<.8	.2	<.2
Carbon disulfide	<1	<1	<1
Carbon tetrachloride	<1	<1	<1
Chlordane			
Chlorobenzene	<1	<1	<1
Chlorobenzilate			
Chloroethane	2.1	3.2	7.4
Chloroform	<1	<1	<1
Chloromethane	<1	<1	<1
Chloroprene			
Chromium, total	<8.0	1.7	1.0
Chrysene			
Cis-1,2-dichloroethylene	<1.0	<1.0	<1.0
Cis-1,3-dichloropropene	<1	<1	<1
Cobalt, total	8.9	5.6	7.6
Copper, total	<4	<5	<5
Cyanide, total			
Delta-bhc			
Diallate			

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-36

Constituents	Units	7/8/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017	4/24/2018	10/25/2018	4/15/2019
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	366	184	162	158	233	230	184	174
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	34.1	2.4	.8	2.1	2.0	3.9	.8	<.8
Copper, total	ug/L	6.7	<4.0	<4.0	<4.0	<4.0	4.4	<4.0	<4.0
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	4.2	<4.0	<4.0
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	15.8	<4.0	<4.0	5.0	4.0	9.1	<4.0	<4.0
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<2.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	13.1	<20.0	<8.0	9.0	<8.0	10.8	<20.0	<20.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-36

Constituents	10/7/2019	4/22/2020	10/2/2020	4/8/2021	10/29/2021	4/25/2022	10/17/2022	4/10/2023	10/27/2023
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<5	<5	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	235	348	176	173	203	267	219	260	258
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	1.3	7.8	.4	<.4	.7	4.7	2.4	1.4	1.3
Copper, total	<4.0	11.3	<4.0	<4.0	<4.0	6.8	<4.0	<4.0	<4.0
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4.0	4.3	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4.0	19.6	<4.0	<4.0	<4.0	11.1	<4.0	<4.0	<4.0
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<8.0	26.8	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-36

Constituents	4/2/2024	10/10/2024	4/15/2025	10/16/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5
Acetone	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5
Antimony, total	<2	<2	<1	<1
Arsenic, total	<4	4	<2	<2
Barium, total	200	329	331	299
Benzene	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<5	<5
Bromochloromethane	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1
Cadmium, total	<.8	<.8	.2	<.2
Carbon disulfide	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1
Chromium, total	<8.0	13.6	1.4	1.0
Cis-1,2-dichloroethylene	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1
Cobalt, total	<.4	7.6	2.0	1.4
Copper, total	<4.0	19.2	<5.0	<5.0
Dibromochloromethane	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1
Lead, total	<4.0	4.4	<1.0	<1.0
Methyl iodide	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5
Nickel, total	<4.0	21.5	<5.0	<5.0
Selenium, total	<4	<4	<2	<2
Silver, total	<4	<4	<5	<5
Styrene	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<5	<5
Toluene	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1
Vanadium, total	<20.0	22.4	2.1	<2.0
Vinyl acetate	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2
Zinc, total	<20.0	38.0	5.4	5.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-37

Constituents	Units	10/23/2014	1/8/2015	4/1/2015	7/8/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	18.6
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Barium, total	ug/L	216.0	169.0	185.0	141.0	175.0	143.0	154.0	163.0	178.0
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8	<8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	20.3	<8.0
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8	<8
Copper, total	ug/L	4.1	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	22.7	<4.0
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Selenium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	31		<2						
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	14.5	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-37

Constituents	4/24/2018	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/2/2020	4/8/2021	10/29/2021	4/25/2022
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<5	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Barium, total	142.0	91.5	82.0	102.0	78.1	87.9	51.5	71.0	57.0
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	<.8	<.8	<.8	<.4	<.4	<.4	<.4	.4
Copper, total	<4.0	13.7	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Selenium, total	8.9	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<8.0	<20.0	<20.0	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-37

Constituents	10/17/2022	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<1	<1
Arsenic, total	<4.0	<4.0	11.6	<4.0	<4.0	<2.0	<2.0
Barium, total	75.8	31.4	107.0	51.9	67.6	43.9	50.6
Benzene	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.2	<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	2.1	1.1
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	2.2	<.4	9.6	.6	4.4	<.5	.7
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0
Methyl iodide	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4.0	<4.0	13.9	<4.0	18.7	<5.0	<5.0
Selenium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<2.0	<2.0
Silver, total	<4	<4	<4	<4	<4	<5	<5
Solids, total suspended							
Styrene	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Toluene	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	22.2	<20.0	<20.0	<5.0	7.9

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-39

Constituents	Units	10/23/2014	1/8/2015	4/1/2015	7/8/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	11
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	287	309	272	249	383	266	257	253	268
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8.0	29.6	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.8	<.8	<.8	<.8	3.3	<.8	<.8	<.8	<.8
Copper, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<4.0	20.5	<4.0	<4.0	7.0	<4.0	<4.0	<4.0	<4.0
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	10		<2						
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	25.8	<8.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-39

Constituents	4/24/2018	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/2/2020	4/8/2021	10/29/2021	4/25/2022
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<5	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	273	248	251	264	323	222	230	255	232
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	<.8	<.8	<.8	<.4	<.4	<.4	<.4	<.4
Copper, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<8.0	<20.0	<8.0	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-39

Constituents	10/17/2022	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<1	<1
Arsenic, total	<4	<4	<4	<4	<4	<2	<2
Barium, total	239	238	225	254	253	287	275
Benzene	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<5	<5
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.2	<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	1.2	<1.0
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	1.5	<.4	<.4	<.4	<.4	<.5	<.5
Copper, total	<4	<4	<4	126	<4	<5	<5
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<1	<1
Methyl iodide	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0
Selenium, total	<4	<4	<4	<4	<4	<2	<2
Silver, total	<4	<4	<4	<4	<4	<5	<5
Solids, total suspended							
Styrene	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<5	<5
Toluene	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	<5.0	12.4

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-40

Constituents	Units	10/23/2014	1/8/2015	3/31/2015	7/8/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Barium, total	ug/L	65.4	85.3	96.6	71.0	89.1	74.0	83.2	82.9
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Selenium, total	ug/L	4.6	4.8	4.9	<4.0	<4.0	<4.0	<4.0	<4.0
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	657		3					
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	12.8	<8.0	<8.0	<8.0	<8.0	<8.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-40

Constituents	10/16/2017	4/24/2018	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/2/2020	4/8/2021	10/29/2021
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<1	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	4.3
Barium, total	45.4	39.7	56.3	35.7	50.7	47.5	47.8	83.4	72.2
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	.9
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	<.8	<.8	<.8	<.8	<.8	<.4	<.4	4.5
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	5.1
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	5.0	31.9
Selenium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<8.0	<8.0	<20.0	<8.0	<8.0	<20.0	<20.0	<20.0	<20.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-40

Constituents	4/25/2022	10/17/2022	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<1	<1
Arsenic, total	<4.0	8.1	5.9	5.3	<4.0	4.3	<2.0	2.8
Barium, total	27.9	103.0	42.8	46.9	36.4	34.2	46.7	40.9
Benzene	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5	<5
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.2	<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	1.2	1.2
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	5.6	8.3	10.2	4.7	.5	5.8	3.2	6.2
Copper, total	<4.0	<4.0	<4.0	<4.0	8.5	<4.0	<5.0	<5.0
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<4	<1	<1
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	18.3	22.1	16.7	17.0	16.8	15.4	16.3	17.5
Selenium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<2.0	<2.0
Silver, total	<4	<4	<4	<4	<4	<4	<5	<5
Solids, total suspended								
Styrene	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5	<5
Toluene	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<2.0	2.9
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	7.0	17.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-47

Constituents	Units	10/23/2014	3/31/2015	7/8/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017
(3,4)-methylphenol	ug/L		<8						
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L		<1						
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L		<8						
1,2,4-trichlorobenzene	ug/L		<1						
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L		<8						
1,3,5-trinitrobenzene	ug/L		<8						
1,3-dichlorobenzene	ug/L		<1						
1,3-dichloropropane	ug/L		<1						
1,3-dinitrobenzene	ug/L		<8						
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	ug/L		<8						
1,4-phenylenediamine	ug/L		<8						
1-naphthylamine	ug/L		<8						
2,2-dichloropropane	ug/L		<1						
2,3,4,6-tetrachlorophenol	ug/L		<8						
2,4,5-t	ug/L		<.5						
2,4,5-tp (silvex)	ug/L		<.5						
2,4,5-trichlorophenol	ug/L		<8						
2,4,6-trichlorophenol	ug/L		<8						
2,4-d	ug/L		<2						
2,4-dichlorophenol	ug/L		<8						
2,4-dimethylphenol	ug/L		<8						
2,4-dinitrophenol	ug/L		<8						
2,4-dinitrotoluene	ug/L		<8						
2,6-dichlorophenol	ug/L		<8						
2,6-dinitrotoluene	ug/L		<8						
2-acetylaminofluorene	ug/L		<8						
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L		<8						
2-chlorophenol	ug/L		<8						
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L		<8						
2-methylphenol	ug/L		<8						
2-naphthylamine	ug/L		<8						
2-nitroaniline	ug/L		<8						
2-nitrophenol	ug/L		<8						
3,3'-dichlorobenzidine	ug/L		<8						
3,3'-dimethylbenzidine	ug/L		<8						
3-methylcholanthrene	ug/L		<8						
3-nitroaniline	ug/L		<8						
4,4'-ddd	ug/L		<.05						
4,4'-dde	ug/L		<.05						
4,4'-ddt	ug/L		<.05						
4,6-dinitro-2-methylphenol	ug/L		<8						
4-aminobiphenyl	ug/L		<8						
4-bromophenyl phenyl ether	ug/L		<8						
4-chloro-3-methylphenol	ug/L		<8						
4-chloroaniline	ug/L		<8						
4-chlorophenyl phenyl ether	ug/L		<8						
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L		<8						
4-nitrophenol	ug/L		<8						
5-nitro-o-toluidine	ug/L		<8						
7,12-dimethylbenz(a)anthracene	ug/L		<8						
Acenaphthene	ug/L		<8						
Acenaphthylene	ug/L		<8						
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	ug/L		<10						
Acetophenone	ug/L		<8						
Acrolein	ug/L		<10						
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L		<.05						
Allyl chloride	ug/L		<1						
Alpha-bhc	ug/L		<.05						
Anthracene	ug/L		<8						

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-47

Constituents	4/24/2018	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/1/2020	4/8/2021	10/29/2021	4/25/2022
(3,4)-methylphenol									
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene									
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene									
1,2,4-trichlorobenzene									
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene									
1,3,5-trinitrobenzene									
1,3-dichlorobenzene									
1,3-dichloropropane									
1,3-dinitrobenzene									
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone									
1,4-phenylenediamine									
1-naphthylamine									
2,2-dichloropropane									
2,3,4,6-tetrachlorophenol									
2,4,5-t									
2,4,5-tp (silvex)									
2,4,5-trichlorophenol									
2,4,6-trichlorophenol									
2,4-d									
2,4-dichlorophenol									
2,4-dimethylphenol									
2,4-dinitrophenol									
2,4-dinitrotoluene									
2,6-dichlorophenol									
2,6-dinitrotoluene									
2-acetylaminofluorene									
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<5	<10
2-chloronaphthalene									
2-chlorophenol									
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene									
2-methylphenol									
2-naphthylamine									
2-nitroaniline									
2-nitrophenol									
3,3'-dichlorobenzidine									
3,3'-dimethylbenzidine									
3-methylcholanthrene									
3-nitroaniline									
4,4'-ddd									
4,4'-dde									
4,4'-ddt									
4,6-dinitro-2-methylphenol									
4-aminobiphenyl									
4-bromophenyl phenyl ether									
4-chloro-3-methylphenol									
4-chloroaniline									
4-chlorophenyl phenyl ether									
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline									
4-nitrophenol									
5-nitro-o-toluidine									
7,12-dimethylbenz(a)anthracene									
Acenaphthene									
Acenaphthylene									
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile									
Acetophenone									
Acrolein									
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin									
Allyl chloride									
Alpha-bhc									
Anthracene									

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-47

Constituents	10/17/2022	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
(3,4)-methylphenol							
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene							
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene							
1,2,4-trichlorobenzene							
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene							
1,3,5-trinitrobenzene							
1,3-dichlorobenzene							
1,3-dichloropropane							
1,3-dinitrobenzene							
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone							
1,4-phenylenediamine							
1-naphthylamine							
2,2-dichloropropane							
2,3,4,6-tetrachlorophenol							
2,4,5-t							
2,4,5-tp (silvex)							
2,4,5-trichlorophenol							
2,4,6-trichlorophenol							
2,4-d							
2,4-dichlorophenol							
2,4-dimethylphenol							
2,4-dinitrophenol							
2,4-dinitrotoluene							
2,6-dichlorophenol							
2,6-dinitrotoluene							
2-acetylaminofluorene							
2-butanone (mek)	<10	<10	<10	<10	<10	<10	<10
2-chloronaphthalene							
2-chlorophenol							
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene							
2-methylphenol							
2-naphthylamine							
2-nitroaniline							
2-nitrophenol							
3,3'-dichlorobenzidine							
3,3'-dimethylbenzidine							
3-methylcholanthrene							
3-nitroaniline							
4,4'-ddd							
4,4'-dde							
4,4'-ddt							
4,6-dinitro-2-methylphenol							
4-aminobiphenyl							
4-bromophenyl phenyl ether							
4-chloro-3-methylphenol							
4-chloroaniline							
4-chlorophenyl phenyl ether							
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline							
4-nitrophenol							
5-nitro-o-toluidine							
7,12-dimethylbenz(a)anthracene							
Acenaphthene							
Acenaphthylene							
Acetone	<10	<10	<10	<10	<10	<10	<10
Acetonitrile							
Acetophenone							
Acrolein							
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5
Aldrin							
Allyl chloride							
Alpha-bhc							
Anthracene							

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-47

Constituents	Units	10/23/2014	3/31/2015	7/8/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L		<.1						
Arochlor 1221	ug/L		<.2						
Arochlor 1232	ug/L		<.2						
Arochlor 1242	ug/L		<.2						
Arochlor 1248	ug/L		<.2						
Arochlor 1254	ug/L		<.1						
Arochlor 1260	ug/L		<.1						
Arsenic, total	ug/L	40.0	153.0	165.0	89.3	1730.0	18.5	860.0	720.0
Azobenzene	ug/L		<8						
Barium, total	ug/L	392	678	630	525	3520	443	1690	1550
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L		<8						
Benzo(a)pyrene	ug/L		<8						
Benzo(b)fluoranthene	ug/L		<8						
Benzo(g,h,i)perylene	ug/L		<8						
Benzo(k)fluoranthene	ug/L		<8						
Benzyl alcohol	ug/L		<8						
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L		<.05						
Bis (2-chloroethoxy) methane	ug/L		<8						
Bis(2-chloroethyl) ether	ug/L		<8						
Bis(2-chloroisopropyl) ether	ug/L		<8						
Bis(2-ethylhexyl) phthalate	ug/L		<8						
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L		<8						
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L		<.1						
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L		<8						
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L		<1						
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene	ug/L		<8						
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	.8	1.0	1.5	1.2	4.2	12.4	1.9	1.5
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	4.6	<4.0	<4.0	4.9
Cyanide, total	mg/L		<.005						
Delta-bhc	ug/L		<.05						
Diallate	ug/L		<8						
Dibenzo(a,h)anthracene	ug/L		<8						
Dibenzofuran	ug/L		<8						
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L		<1						
Dieldrin	ug/L		<.05						
Diethyl phthalate	ug/L		<8						
Dimethoate	ug/L		<.4						
Dimethylphthalate	ug/L		<8						
Di-n-butyl phthalate	ug/L		<8						
Di-n-octyl phthalate	ug/L		<8						
Dinoseb	ug/L		<.5						
Diphenylamine	ug/L		<8						
Disulfoton	ug/L		<.4						
Endosulfan i	ug/L		<.05						
Endosulfan ii	ug/L		<.05						
Endosulfan sulfate	ug/L		<.05						
Endrin	ug/L		<.05						
Endrin aldehyde	ug/L		<.05						
Ethyl methacrylate	ug/L		<10						
Ethyl methanesulfonate	ug/L		<8						
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L		<.4						
Fluoranthene	ug/L		<8						
Fluorene	ug/L		<8						
Gamma-bhc (lindane)	ug/L		<.05						
Heptachlor	ug/L		<.05						
Heptachlor epoxide	ug/L		<.05						
Hexachlorobenzene	ug/L		<.05						

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-47

Constituents	4/24/2018	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/1/2020	4/8/2021	10/29/2021	4/25/2022
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016									
Arochlor 1221									
Arochlor 1232									
Arochlor 1242									
Arochlor 1248									
Arochlor 1254									
Arochlor 1260									
Arsenic, total	700.0	84.0	277.0	41.0	844.0	79.7	236.0	50.4	246.0
Azobenzene									
Barium, total	1750	310	743	497	1880	435	876	407	565
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene									
Benzo(a)pyrene									
Benzo(b)fluoranthene									
Benzo(g,h,i)perylene									
Benzo(k)fluoranthene									
Benzyl alcohol									
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc									
Bis (2-chloroethoxy) methane									
Bis(2-chloroethyl) ether									
Bis(2-chloroisopropyl) ether									
Bis(2-ethylhexyl) phthalate									
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate									
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane									
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate									
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene									
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene									
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	1.5	<.8	.9	<.8	1.9	.9	1.2	.7	.7
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total									
Delta-bhc									
Diallate									
Dibenzo(a,h)anthracene									
Dibenzofuran									
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane									
Dieldrin									
Diethyl phthalate									
Dimethoate									
Dimethylphthalate									
Di-n-butyl phthalate									
Di-n-octyl phthalate									
Dinoseb									
Diphenylamine									
Disulfoton									
Endosulfan i									
Endosulfan ii									
Endosulfan sulfate									
Endrin									
Endrin aldehyde									
Ethyl methacrylate									
Ethyl methanesulfonate									
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur									
Fluoranthene									
Fluorene									
Gamma-bhc (lindane)									
Heptachlor									
Heptachlor epoxide									
Hexachlorobenzene									

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-47

Constituents	10/17/2022	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
Antimony, total	<2	<2	<2	<2	<2	<1	<1
Arochlor 1016							
Arochlor 1221							
Arochlor 1232							
Arochlor 1242							
Arochlor 1248							
Arochlor 1254							
Arochlor 1260							
Arsenic, total	291.0	271.0	50.2	182.0	88.3	311.0	152.0
Azobenzene							
Barium, total	852	713	486	570	426	985	1090
Benzene	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene							
Benzo(a)pyrene							
Benzo(b)fluoranthene							
Benzo(g,h,i)perylene							
Benzo(k)fluoranthene							
Benzyl alcohol							
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<5	<5
Beta-bhc							
Bis (2-chloroethoxy) methane							
Bis(2-chloroethyl) ether							
Bis(2-chloroisopropyl) ether							
Bis(2-ethylhexyl) phthalate							
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate							
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.2	<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1
Chlordane							
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate							
Chloroethane	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1
Chloroprene							
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	1.3	<1.0
Chrysene							
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	3.8	1.8	2.3	1.8	.8	2.4	2.0
Copper, total	<4.0	<4.0	<4.0	4.4	<4.0	<5.0	<5.0
Cyanide, total							
Delta-bhc							
Diallate							
Dibenzo(a,h)anthracene							
Dibenzofuran							
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane							
Dieldrin							
Diethyl phthalate							
Dimethoate							
Dimethylphthalate							
Di-n-butyl phthalate							
Di-n-octyl phthalate							
Dinoseb							
Diphenylamine							
Disulfoton							
Endosulfan i							
Endosulfan ii							
Endosulfan sulfate							
Endrin							
Endrin aldehyde							
Ethyl methacrylate							
Ethyl methanesulfonate							
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1
Famphur							
Fluoranthene							
Fluorene							
Gamma-bhc (lindane)							
Heptachlor							
Heptachlor epoxide							
Hexachlorobenzene							

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-47

Constituents	Units	10/23/2014	3/31/2015	7/8/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017
Hexachlorobutadiene	ug/L		<8						
Hexachlorocyclopentadiene	ug/L		<8						
Hexachloroethane	ug/L		<8						
Hexachloropropene	ug/L		<8						
Indeno(1,2,3-cd)pyrene	ug/L		<8						
Isobutanol	ug/L		<1000						
Isodrin	ug/L		<8						
Isophorone	ug/L		<8						
Isosafrole	ug/L		<8						
Kepone	ug/L		<8						
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	ug/L		<.5						
Methacrylonitrile	ug/L		<1						
Methapyrilene	ug/L		<8						
Methoxychlor	ug/L		<.05						
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L		<1						
Methyl methanesulfonate	ug/L		<8						
Methyl parathion	ug/L		<.4						
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L		<8						
Nickel, total	ug/L	<4.0	<4.0	<4.0	<4.0	9.2	31.6	4.0	5.9
Nitrobenzene	ug/L		<8						
N-nitrosodiethylamine	ug/L		<8						
N-nitrosodimethylamine	ug/L		<8						
N-nitrosodi-n-butylamine	ug/L		<8						
N-nitroso-di-n-propylamine	ug/L		<8						
N-nitrosodiphenylamine	ug/L		<8						
N-nitrosomethylethylamine	ug/L		<8						
N-nitrosopiperidine	ug/L		<8						
N-nitrosopyrrolidine	ug/L		<8						
O,o,o-triethyl phosphorothioate	ug/L		<.4						
O-toluidine	ug/L		<8						
Parathion	ug/L		<.4						
P-dimethylaminoazobenzene	ug/L		<8						
Pentachlorobenzene	ug/L		<8						
Pentachloronitrobenzene (pcnb)	ug/L		<8						
Pentachlorophenol	ug/L		<8						
Phenacetin	ug/L		<8						
Phenanthrene	ug/L		<8						
Phenol	ug/L		<8						
Phorate	ug/L		<.4						
Pronamide	ug/L		<8						
Propionitrile	ug/L		<10						
Pyrene	ug/L		<8						
Safrole	ug/L		<8						
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	349	92						
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L		.23						
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Thionazin	ug/L		<.4						
Tin, total	ug/L		<20						
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L		<.2						
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	<8.0	<8.0	12.0	<8.0	<8.0	<8.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-47

Constituents	4/24/2018	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/1/2020	4/8/2021	10/29/2021	4/25/2022
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno(1,2,3-cd)pyrene									
Isobutanol									
Isodrin									
Isophorone									
Isosafrole									
Kepone									
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate									
Methyl methanesulfonate									
Methyl parathion									
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene									
Nickel, total	15.8	<4.0	<4.0	<4.0	4.7	<4.0	<4.0	<4.0	<4.0
Nitrobenzene									
N-nitrosodiethylamine									
N-nitrosodimethylamine									
N-nitrosodi-n-butylamine									
N-nitroso-di-n-propylamine									
N-nitrosodiphenylamine									
N-nitrosomethylethylamine									
N-nitrosopiperidine									
N-nitrosopyrrolidine									
O,o,o-triethyl phosphorothioate									
O-toluidine									
Parathion									
P-dimethylaminoazobenzene									
Pentachlorobenzene									
Pentachloronitrobenzene (pcnb)									
Pentachlorophenol									
Phenacetin									
Phenanthrene									
Phenol									
Phorate									
Pronamide									
Propionitrile									
Pyrene									
Safrole									
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total									
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin									
Tin, total									
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene									
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<8.0	<20.0	<8.0	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-47

Constituents	10/17/2022	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
Hexachlorobutadiene							
Hexachlorocyclopentadiene							
Hexachloroethane							
Hexachloropropene							
Indeno(1,2,3-cd)pyrene							
Isobutanol							
Isodrin							
Isophorone							
Isosafrole							
Kepone							
Lead, total	<4	<4	<4	<4	<4	<1	<1
Mercury, total							
Methacrylonitrile							
Methapyrilene							
Methoxychlor							
Methyl iodide	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate							
Methyl methanesulfonate							
Methyl parathion							
Methylene chloride	<5	<5	<5	<5	<5	<5	<5
Naphthalene							
Nickel, total	<4.0	<4.0	11.7	8.0	<4.0	<5.0	5.6
Nitrobenzene							
N-nitrosodiethylamine							
N-nitrosodimethylamine							
N-nitrosodi-n-butylamine							
N-nitroso-di-n-propylamine							
N-nitrosodiphenylamine							
N-nitrosomethylethylamine							
N-nitrosopiperidine							
N-nitrosopyrrolidine							
O,o,o-triethyl phosphorothioate							
O-toluidine							
Parathion							
P-dimethylaminoazobenzene							
Pentachlorobenzene							
Pentachloronitrobenzene (pcnb)							
Pentachlorophenol							
Phenacetin							
Phenanthrene							
Phenol							
Phorate							
Pronamide							
Propionitrile							
Pyrene							
Safrole							
Selenium, total	<4	<4	<4	<4	<4	<2	<2
Silver, total	<4	<4	<4	<4	<4	<5	<5
Solids, total suspended							
Styrene	<1	<1	<1	<1	<1	<1	<1
Sulfide, total							
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<5	<5
Thionazin							
Tin, total							
Toluene	<1	<1	<1	<1	<1	<1	<1
Toxaphene							
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	25.9	<20.0	<20.0	<5.0	9.3

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-48A

Constituents	Units	10/23/2014	3/31/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017	4/24/2018
(3,4)-methylphenol	ug/L		<8						
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L		<1						
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L		<8						
1,2,4-trichlorobenzene	ug/L		<1						
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L		<8						
1,3,5-trinitrobenzene	ug/L		<8						
1,3-dichlorobenzene	ug/L		<1						
1,3-dichloropropane	ug/L		<1						
1,3-dinitrobenzene	ug/L		<8						
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	ug/L		<8						
1,4-phenylenediamine	ug/L		<8						
1-naphthylamine	ug/L		<8						
2,2-dichloropropane	ug/L		<1						
2,3,4,6-tetrachlorophenol	ug/L		<8						
2,4,5-t	ug/L		<.5						
2,4,5-tp (silvex)	ug/L		<.5						
2,4,5-trichlorophenol	ug/L		<8						
2,4,6-trichlorophenol	ug/L		<8						
2,4-d	ug/L		<2						
2,4-dichlorophenol	ug/L		<8						
2,4-dimethylphenol	ug/L		<8						
2,4-dinitrophenol	ug/L		<8						
2,4-dinitrotoluene	ug/L		<8						
2,6-dichlorophenol	ug/L		<8						
2,6-dinitrotoluene	ug/L		<8						
2-acetylaminofluorene	ug/L		<8						
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L		<8						
2-chlorophenol	ug/L		<8						
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L		<8						
2-methylphenol	ug/L		<8						
2-naphthylamine	ug/L		<8						
2-nitroaniline	ug/L		<8						
2-nitrophenol	ug/L		<8						
3,3'-dichlorobenzidine	ug/L		<8						
3,3'-dimethylbenzidine	ug/L		<8						
3-methylcholanthrene	ug/L		<8						
3-nitroaniline	ug/L		<8						
4,4'-ddd	ug/L		<.05						
4,4'-dde	ug/L		<.05						
4,4'-ddt	ug/L		<.05						
4,6-dinitro-2-methylphenol	ug/L		<8						
4-aminobiphenyl	ug/L		<8						
4-bromophenyl phenyl ether	ug/L		<8						
4-chloro-3-methylphenol	ug/L		<8						
4-chloroaniline	ug/L		<8						
4-chlorophenyl phenyl ether	ug/L		<8						
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L		<8						
4-nitrophenol	ug/L		<8						
5-nitro-o-toluidine	ug/L		<8						
7,12-dimethylbenz(a)anthracene	ug/L		<8						
Acenaphthene	ug/L		<8						
Acenaphthylene	ug/L		<8						
Acetone	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	16.3	<10.0
Acetonitrile	ug/L		<10						
Acetophenone	ug/L		<8						
Acrolein	ug/L		<10						
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L		<.05						
Allyl chloride	ug/L		<1						
Alpha-bhc	ug/L		<.05						
Anthracene	ug/L		<8						

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-48A

Constituents	10/25/2018	4/15/2019	10/7/2019	4/23/2020	10/1/2020	4/8/2021	10/29/2021	4/25/2022	10/17/2022
(3,4)-methylphenol				<.8					
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene				<1					
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene				<.8					
1,2,4-trichlorobenzene				<1					
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene				<.8					
1,3,5-trinitrobenzene				<.8					
1,3-dichlorobenzene				<1					
1,3-dichloropropane				<1					
1,3-dinitrobenzene				<.8					
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone				<.8					
1,4-phenylenediamine				<.8					
1-naphthylamine				<.8					
2,2-dichloropropane				<1					
2,3,4,6-tetrachlorophenol				<.8					
2,4,5-t				<.5					
2,4,5-tp (silvex)				<.5					
2,4,5-trichlorophenol				<.8					
2,4,6-trichlorophenol				<.8					
2,4-d				<.2					
2,4-dichlorophenol				<.8					
2,4-dimethylphenol				<.8					
2,4-dinitrophenol				<.8					
2,4-dinitrotoluene				<.8					
2,6-dichlorophenol				<.8					
2,6-dinitrotoluene				<.8					
2-acetylaminofluorene				<.8					
2-butanone (mek)	<5	<5	<5	<.5	<5	<5	<5	<10	<10
2-chloronaphthalene				<.8					
2-chlorophenol				<.8					
2-hexanone (mbk)	<5	<5	<5	<.5	<5	<5	<5	<5	<5
2-methylnaphthalene				<.8					
2-methylphenol				<.8					
2-naphthylamine				<.8					
2-nitroaniline				<.8					
2-nitrophenol				<.8					
3,3'-dichlorobenzidine				<.8					
3,3'-dimethylbenzidine				<.8					
3-methylcholanthrene				<.8					
3-nitroaniline				<.8					
4,4'-ddd				<.05					
4,4'-dde				<.05					
4,4'-ddt				<.05					
4,6-dinitro-2-methylphenol				<.8					
4-aminobiphenyl				<.8					
4-bromophenyl phenyl ether				<.8					
4-chloro-3-methylphenol				<.8					
4-chloroaniline				<.8					
4-chlorophenyl phenyl ether				<.8					
4-methyl-2-pentanone (mibk)	<5	<5	<5	<.5	<5	<5	<5	<5	<5
4-nitroaniline				<.8					
4-nitrophenol				<.8					
5-nitro-o-toluidine				<.8					
7,12-dimethylbenz(a)anthracene				<.8					
Acenaphthene				<.8					
Acenaphthylene				<.8					
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acetonitrile				<10					
Acetophenone				<.8					
Acrolein				<10					
Acrylonitrile	<5	<5	<5	<.5	<5	<5	<5	<5	<5
Aldrin				<.05					
Allyl chloride				<1					
Alpha-bhc				<.05					
Anthracene				<.8					

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-48A

Constituents	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
(3,4)-methylphenol					<8	
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1
1,1-dichloropropene					<1	
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene					<8	
1,2,4-trichlorobenzene					<1	
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<1	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene					<8	
1,3,5-trinitrobenzene					<8	
1,3-dichlorobenzene					<1	
1,3-dichloropropane					<1	
1,3-dinitrobenzene					<8	
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone					<8	
1,4-phenylenediamine					<8	
1-naphthylamine					<8	
2,2-dichloropropane					<1	
2,3,4,6-tetrachlorophenol					<8	
2,4,5-t					<.5	
2,4,5-tp (silvex)					<.5	
2,4,5-trichlorophenol					<8	
2,4,6-trichlorophenol					<8	
2,4-d					<2	
2,4-dichlorophenol					<8	
2,4-dimethylphenol					<8	
2,4-dinitrophenol					<8	
2,4-dinitrotoluene					<8	
2,6-dichlorophenol					<8	
2,6-dinitrotoluene					<8	
2-acetylaminofluorene					<8	
2-butanone (mek)	<10	<10	<10	<10	<5	<10
2-chloronaphthalene					<8	
2-chlorophenol					<8	
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5
2-methylnaphthalene					<8	
2-methylphenol					<8	
2-naphthylamine					<8	
2-nitroaniline					<8	
2-nitrophenol					<8	
3,3'-dichlorobenzidine					<8	
3,3'-dimethylbenzidine					<8	
3-methylcholanthrene					<8	
3-nitroaniline					<8	
4,4'-ddd					<.05	
4,4'-dde					<.05	
4,4'-ddt					<.05	
4,6-dinitro-2-methylphenol					<8	
4-aminobiphenyl					<8	
4-bromophenyl phenyl ether					<8	
4-chloro-3-methylphenol					<8	
4-chloroaniline					<8	
4-chlorophenyl phenyl ether					<8	
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5
4-nitroaniline					<8	
4-nitrophenol					<8	
5-nitro-o-toluidine					<8	
7,12-dimethylbenz(a)anthracene					<8	
Acenaphthene					<8	
Acenaphthylene					<8	
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acetonitrile					<10	
Acetophenone					<8	
Acrolein					<10	
Acrylonitrile	<5	<5	<5	<5	<5	<5
Aldrin					<.05	
Allyl chloride					<1	
Alpha-bhc					<.05	
Anthracene					<8	

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-48A

Constituents	Units	10/23/2014	3/31/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017	4/24/2018
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L		<.1						
Arochlor 1221	ug/L		<.2						
Arochlor 1232	ug/L		<.2						
Arochlor 1242	ug/L		<.2						
Arochlor 1248	ug/L		<.2						
Arochlor 1254	ug/L		<.1						
Arochlor 1260	ug/L		<.1						
Arsenic, total	ug/L	202.0	32.6	38.0	34.6	33.1	26.0	22.0	132.0
Azobenzene	ug/L		<8						
Barium, total	ug/L	404	209	215	177	192	188	158	498
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L		<8						
Benzo(a)pyrene	ug/L		<8						
Benzo(b)fluoranthene	ug/L		<8						
Benzo(g,h,i)perylene	ug/L		<8						
Benzo(k)fluoranthene	ug/L		<8						
Benzyl alcohol	ug/L		<8						
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L		<.05						
Bis (2-chloroethoxy) methane	ug/L		<8						
Bis(2-chloroethyl) ether	ug/L		<8						
Bis(2-chloroisopropyl) ether	ug/L		<8						
Bis(2-ethylhexyl) phthalate	ug/L		17	<10	<10	<10	<6	<6	
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L		<8						
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L		<.1						
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L		<8						
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L		<1						
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene	ug/L		<8						
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	3.0	2.7	3.0	2.2	2.1	2.2	1.8	1.8
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total	mg/L		<.005						
Delta-bhc	ug/L		<.05						
Diallate	ug/L		<8						
Dibenzo(a,h)anthracene	ug/L		<8						
Dibenzofuran	ug/L		<8						
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L		<1						
Dieldrin	ug/L		<.05						
Diethyl phthalate	ug/L		<8						
Dimethoate	ug/L		<.4						
Dimethylphthalate	ug/L		<8						
Di-n-butyl phthalate	ug/L		<8						
Di-n-octyl phthalate	ug/L		<8						
Dinoseb	ug/L		<.5						
Diphenylamine	ug/L		<8						
Disulfoton	ug/L		<.4						
Endosulfan i	ug/L		<.05						
Endosulfan ii	ug/L		<.05						
Endosulfan sulfate	ug/L		<.05						
Endrin	ug/L		<.05						
Endrin aldehyde	ug/L		<.05						
Ethyl methacrylate	ug/L		<10						
Ethyl methanesulfonate	ug/L		<8						
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L		<.4						
Fluoranthene	ug/L		<8						
Fluorene	ug/L		<8						
Gamma-bhc (lindane)	ug/L		<.05						
Heptachlor	ug/L		<.05						
Heptachlor epoxide	ug/L		<.05						
Hexachlorobenzene	ug/L		<.05						

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-48A

Constituents	10/25/2018	4/15/2019	10/7/2019	4/23/2020	10/1/2020	4/8/2021	10/29/2021	4/25/2022	10/17/2022
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016				<.1					
Arochlor 1221				<.2					
Arochlor 1232				<.2					
Arochlor 1242				<.2					
Arochlor 1248				<.2					
Arochlor 1254				<.1					
Arochlor 1260				<.1					
Arsenic, total	19.3	25.5	61.6	19.6	42.2	35.8	12.2	45.1	170.0
Azobenzene				<.8					
Barium, total	131	166	269	191	310	344	181	460	1060
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene				<.8					
Benzo(a)pyrene				<.8					
Benzo(b)fluoranthene				<.8					
Benzo(g,h,i)perylene				<.8					
Benzo(k)fluoranthene				<.8					
Benzyl alcohol				<.8					
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc				<.05					
Bis (2-chloroethoxy) methane				<.8					
Bis(2-chloroethyl) ether				<.8					
Bis(2-chloroisopropyl) ether				<.8					
Bis(2-ethylhexyl) phthalate				<.6					
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate				<.8					
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane				<.1					
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate				<.8					
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene				<1					
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene				<.8					
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	2.4	2.4	2.8	1.7	1.0	1.0	1.0	.6	2.2
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	4.1
Cyanide, total				<.005					
Delta-bhc				<.05					
Diallate				<.8					
Dibenzo(a,h)anthracene				<.8					
Dibenzofuran				<.8					
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane				<1					
Dieldrin				<.05					
Diethyl phthalate				<.8					
Dimethoate				<.4					
Dimethylphthalate				<.8					
Di-n-butyl phthalate				<.8					
Di-n-octyl phthalate				<.8					
Dinoseb				<.5					
Diphenylamine				<.8					
Disulfoton				<.4					
Endosulfan i				<.05					
Endosulfan ii				<.05					
Endosulfan sulfate				<.05					
Endrin				<.05					
Endrin aldehyde				<.05					
Ethyl methacrylate				<10					
Ethyl methanesulfonate				<.8					
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur				<.4					
Fluoranthene				<.8					
Fluorene				<.8					
Gamma-bhc (lindane)				<.05					
Heptachlor				<.05					
Heptachlor epoxide				<.05					
Hexachlorobenzene				<.05					

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-48A

Constituents	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
Antimony, total	<2	<2	<2	<2	<1	<1
Arochlor 1016					<.2	
Arochlor 1221					<.2	
Arochlor 1232					<.2	
Arochlor 1242					<.2	
Arochlor 1248					<.2	
Arochlor 1254					<.2	
Arochlor 1260					<.2	
Arsenic, total	122.0	26.0	17.1	18.3	13.3	14.0
Azobenzene					<8	
Barium, total	1090	208	217	205	231	190
Benzene	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene					<8	
Benzo(a)pyrene					<8	
Benzo(b)fluoranthene					<8	
Benzo(g,h,i)perylene					<8	
Benzo(k)fluoranthene					<8	
Benzyl alcohol					<8	
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Beta-bhc					<.05	
Bis (2-chloroethoxy) methane					<8	
Bis(2-chloroethyl) ether					<8	
Bis(2-chloroisopropyl) ether					<8	
Bis(2-ethylhexyl) phthalate					<6	
Bromochloromethane	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate					<8	
Cadmium, total	<.8	<.8	<.8	<.8	<.2	<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Chlordane					<.1	
Chlorobenzene	<1	<1	<1	<1	<1	<1
Chlorobenzilate					<8	
Chloroethane	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1
Chloroprene					<1	
Chromium, total	<8.0	<8.0	<8.0	<8.0	1.7	1.0
Chrysene					<8	
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Cobalt, total	1.3	1.0	.9	.6	.7	.7
Copper, total	4.6	<4.0	<4.0	<4.0	<5.0	<5.0
Cyanide, total					<.010	
Delta-bhc					<.05	
Diallate					<8	
Dibenzo(a,h)anthracene					<8	
Dibenzofuran					<8	
Dibromochloromethane	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane					<1	
Dieldrin					<.05	
Diethyl phthalate					<8	
Dimethoate					<.4	
Dimethylphthalate					<8	
Di-n-butyl phthalate					<8	
Di-n-octyl phthalate					<8	
Dinoseb					<.5	
Diphenylamine					<8	
Disulfoton					<.4	
Endosulfan i					<.05	
Endosulfan ii					<.05	
Endosulfan sulfate					<.05	
Endrin					<.05	
Endrin aldehyde					<.05	
Ethyl methacrylate					<10	
Ethyl methanesulfonate					<8	
Ethylbenzene	<1	<1	<1	<1	<1	<1
Famphur					<.4	
Fluoranthene					<8	
Fluorene					<8	
Gamma-bhc (lindane)					<.05	
Heptachlor					<.05	
Heptachlor epoxide					<.05	
Hexachlorobenzene					<.05	

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-48A

Constituents	Units	10/23/2014	3/31/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017	4/24/2018
Hexachlorobutadiene	ug/L		<8						
Hexachlorocyclopentadiene	ug/L		<8						
Hexachloroethane	ug/L		<8						
Hexachloropropene	ug/L		<8						
Indeno(1,2,3-cd)pyrene	ug/L		<8						
Isobutanol	ug/L		<1000						
Isodrin	ug/L		<8						
Isophorone	ug/L		<8						
Isosafrole	ug/L		<8						
Kepone	ug/L		<8						
Lead, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Mercury, total	ug/L		<.5						
Methacrylonitrile	ug/L		<1						
Methapyrene	ug/L		<8						
Methoxychlor	ug/L		<.05						
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L		<1						
Methyl methanesulfonate	ug/L		<8						
Methyl parathion	ug/L		<4						
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L		<8						
Nickel, total	ug/L	8.5	8.9	7.6	5.9	5.7	5.5	4.4	<4.0
Nitrobenzene	ug/L		<8						
N-nitrosodiethylamine	ug/L		<8						
N-nitrosodimethylamine	ug/L		<8						
N-nitrosodi-n-butylamine	ug/L		<8						
N-nitroso-di-n-propylamine	ug/L		<8						
N-nitrosodiphenylamine	ug/L		<8						
N-nitrosomethylethylamine	ug/L		<8						
N-nitrosopiperidine	ug/L		<8						
N-nitrosopyrrolidine	ug/L		<8						
O,o,o-triethyl phosphorothioate	ug/L		<4						
O-toluidine	ug/L		<8						
Parathion	ug/L		<4						
P-dimethylaminoazobenzene	ug/L		<8						
Pentachlorobenzene	ug/L		<8						
Pentachloronitrobenzene (pcnb)	ug/L		<8						
Pentachlorophenol	ug/L		<8						
Phenacetin	ug/L		<8						
Phenanthrene	ug/L		<8						
Phenol	ug/L		<8						
Phorate	ug/L		<4						
Pronamide	ug/L		<8						
Propionitrile	ug/L		<10						
Pyrene	ug/L		<8						
Safrole	ug/L		<8						
Selenium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	517	64						
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L		<.10						
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Thionazin	ug/L		<4						
Tin, total	ug/L		<20						
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L		<2						
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	<8.0	<20.0	<8.0	<8.0	<8.0	<8.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-48A

Constituents	10/25/2018	4/15/2019	10/7/2019	4/23/2020	10/1/2020	4/8/2021	10/29/2021	4/25/2022	10/17/2022
Hexachlorobutadiene				<8					
Hexachlorocyclopentadiene				<8					
Hexachloroethane				<8					
Hexachloropropene				<8					
Indeno(1,2,3-cd)pyrene				<8					
Isobutanol				<1000					
Isodrin				<8					
Isophorone				<8					
Isosafrole				<8					
Kepone				<8					
Lead, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Mercury, total				<5					
Methacrylonitrile				<1					
Methapyrilene				<8					
Methoxychlor				<.05					
Methyl iodide	<1	<1	<1	<2	<1	<1	<1	<1	<1
Methyl methacrylate				<1					
Methyl methanesulfonate				<8					
Methyl parathion				<4					
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene				<8					
Nickel, total	4.6	4.4	6.3	4.9	4.2	<4.0	<4.0	<4.0	4.6
Nitrobenzene				<8					
N-nitrosodiethylamine				<8					
N-nitrosodimethylamine				<8					
N-nitrosodi-n-butylamine				<8					
N-nitroso-di-n-propylamine				<8					
N-nitrosodiphenylamine				<8					
N-nitrosomethylethylamine				<8					
N-nitrosopiperidine				<8					
N-nitrosopyrrolidine				<8					
O,o,o-triethyl phosphorothioate				<4					
O-toluidine				<8					
Parathion				<4					
P-dimethylaminoazobenzene				<8					
Pentachlorobenzene				<8					
Pentachloronitrobenzene (pcnb)				<8					
Pentachlorophenol				<8					
Phenacetin				<8					
Phenanthrene				<8					
Phenol				<8					
Phorate				<4					
Pronamide				<8					
Propionitrile				<10					
Pyrene				<8					
Safrole				<8					
Selenium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	5.4	<4.0
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total				<.10					
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin				<4					
Tin, total				<20					
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene				<2					
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<8.0	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-48A

Constituents	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
Hexachlorobutadiene					<8	
Hexachlorocyclopentadiene					<8	
Hexachloroethane					<8	
Hexachloropropene					<8	
Indeno(1,2,3-cd)pyrene					<8	
Isobutanol					<1000	
Isodrin					<8	
Isophorone					<8	
Isosafrole					<8	
Kepone					<8	
Lead, total	10.7	<4.0	<4.0	<4.0	<1.0	<1.0
Mercury, total					<.5	
Methacrylonitrile					<1	
Methapyrilene					<8	
Methoxychlor					<.05	
Methyl iodide	<1	<1	<1	<1	<2	<1
Methyl methacrylate					<1	
Methyl methanesulfonate					<8	
Methyl parathion					<.4	
Methylene chloride	<5	<5	<5	<5	<5	<5
Naphthalene					<8	
Nickel, total	5.1	<4.0	<4.0	<4.0	<5.0	<5.0
Nitrobenzene					<8	
N-nitrosodiethylamine					<8	
N-nitrosodimethylamine					<8	
N-nitrosodi-n-butylamine					<8	
N-nitroso-di-n-propylamine					<8	
N-nitrosodiphenylamine					<8	
N-nitrosomethylethylamine					<8	
N-nitrosopiperidine					<8	
N-nitrosopyrrolidine					<8	
O,o,o-triethyl phosphorothioate					<.4	
O-toluidine					<8	
Parathion					<.4	
P-dimethylaminoazobenzene					<8	
Pentachlorobenzene					<8	
Pentachloronitrobenzene (pcnb)					<8	
Pentachlorophenol					<8	
Phenacetin					<8	
Phenanthrene					<8	
Phenol					<8	
Phorate					<.4	
Pronamide					<8	
Propionitrile					<10	
Pyrene					<8	
Safrole					<8	
Selenium, total	<4.0	<4.0	<4.0	<4.0	<2.0	<2.0
Silver, total	<4	<4	<4	<4	<5	<5
Solids, total suspended						
Styrene	<1	<1	<1	<1	<1	<1
Sulfide, total					.12	
Tetrachloroethylene	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Thionazin					<.4	
Tin, total					<5	
Toluene	<1	<1	<1	<1	<1	<1
Toxaphene					<.2	
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1
Vanadium, total	<20.0	<20.0	<20.0	<20.0	2.2	<2.0
Vinyl acetate	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<5.0	16.2

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-49A

Constituents	Units	10/23/2014	3/31/2015	11/5/2015	4/21/2016	10/17/2016	1/9/2017	4/21/2017	10/16/2017
(3,4)-methylphenol	ug/L		<8						
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1-dichloropropene	ug/L		<1						
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2,4,5-tetrachlorobenzene	ug/L		<8						
1,2,4-trichlorobenzene	ug/L		<1						
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dinitrobenzene	ug/L		<8						
1,3,5-trinitrobenzene	ug/L		<8						
1,3-dichlorobenzene	ug/L		<1						
1,3-dichloropropane	ug/L		<1						
1,3-dinitrobenzene	ug/L		<8						
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
1,4-naphthoquinone	ug/L		<8						
1,4-phenylenediamine	ug/L		<8						
1-naphthylamine	ug/L		<8						
2,2-dichloropropane	ug/L		<1						
2,3,4,6-tetrachlorophenol	ug/L		<8						
2,4,5-t	ug/L		<.5						
2,4,5-tp (silvex)	ug/L		<.5						
2,4,5-trichlorophenol	ug/L		<8						
2,4,6-trichlorophenol	ug/L		<8						
2,4-d	ug/L		<2						
2,4-dichlorophenol	ug/L		<8						
2,4-dimethylphenol	ug/L		<8						
2,4-dinitrophenol	ug/L		<8						
2,4-dinitrotoluene	ug/L		<8						
2,6-dichlorophenol	ug/L		<8						
2,6-dinitrotoluene	ug/L		<8						
2-acetylaminofluorene	ug/L		<8						
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5		<5	<5
2-chloronaphthalene	ug/L		<8						
2-chlorophenol	ug/L		<8						
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5		<5	<5
2-methylnaphthalene	ug/L		<8						
2-methylphenol	ug/L		<8						
2-naphthylamine	ug/L		<8						
2-nitroaniline	ug/L		<8						
2-nitrophenol	ug/L		<8						
3,3'-dichlorobenzidine	ug/L		<8						
3,3'-dimethylbenzidine	ug/L		<8						
3-methylcholanthrene	ug/L		<8						
3-nitroaniline	ug/L		<8						
4,4'-ddd	ug/L		<.05						
4,4'-dde	ug/L		<.05						
4,4'-ddt	ug/L		<.05						
4,6-dinitro-2-methylphenol	ug/L		<8						
4-aminobiphenyl	ug/L		<8						
4-bromophenyl phenyl ether	ug/L		<8						
4-chloro-3-methylphenol	ug/L		<8						
4-chloroaniline	ug/L		<8						
4-chlorophenyl phenyl ether	ug/L		<8						
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5		<5	<5
4-nitroaniline	ug/L		<8						
4-nitrophenol	ug/L		<8						
5-nitro-o-toluidine	ug/L		<8						
7,12-dimethylbenz(a)anthracene	ug/L		<8						
Acenaphthene	ug/L		<8						
Acenaphthylene	ug/L		<8						
Acetone	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0
Acetonitrile	ug/L		<10						
Acetophenone	ug/L		<8						
Acrolein	ug/L		<10						
Acrylonitrile	ug/L	<5	<5	<5	<5	<5		<5	<5
Aldrin	ug/L		<.05						
Allyl chloride	ug/L		<1						
Alpha-bhc	ug/L		<.05						
Anthracene	ug/L		<8						

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-49A

Constituents	4/24/2018	10/25/2018	4/15/2019	10/7/2019	4/23/2020	10/1/2020	4/8/2021	10/29/2021	4/25/2022
(3,4)-methylphenol					<8				
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene					<1				
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene					<8				
1,2,4-trichlorobenzene					<1				
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<1	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene					<8				
1,3,5-trinitrobenzene					<8				
1,3-dichlorobenzene					<1				
1,3-dichloropropane					<1				
1,3-dinitrobenzene					<8				
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone					<8				
1,4-phenylenediamine					<8				
1-naphthylamine					<8				
2,2-dichloropropane					<1				
2,3,4,6-tetrachlorophenol					<8				
2,4,5-t					<.5				
2,4,5-tp (silvex)					<.5				
2,4,5-trichlorophenol					<8				
2,4,6-trichlorophenol					<8				
2,4-d					<2				
2,4-dichlorophenol					<8				
2,4-dimethylphenol					<8				
2,4-dinitrophenol					<8				
2,4-dinitrotoluene					<8				
2,6-dichlorophenol					<8				
2,6-dinitrotoluene					<8				
2-acetylaminofluorene					<8				
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<5	<10
2-chloronaphthalene					<8				
2-chlorophenol					<8				
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene					<8				
2-methylphenol					<8				
2-naphthylamine					<8				
2-nitroaniline					<8				
2-nitrophenol					<8				
3,3'-dichlorobenzidine					<8				
3,3'-dimethylbenzidine					<8				
3-methylcholanthrene					<8				
3-nitroaniline					<8				
4,4'-ddd					<.05				
4,4'-dde					<.05				
4,4'-ddt					<.05				
4,6-dinitro-2-methylphenol					<8				
4-aminobiphenyl					<8				
4-bromophenyl phenyl ether					<8				
4-chloro-3-methylphenol					<8				
4-chloroaniline					<8				
4-chlorophenyl phenyl ether					<8				
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline					<8				
4-nitrophenol					<8				
5-nitro-o-toluidine					<8				
7,12-dimethylbenz(a)anthracene					<8				
Acenaphthene					<8				
Acenaphthylene					<8				
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	281.0	23.8
Acetonitrile					<10				
Acetophenone					<8				
Acrolein					<10				
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin					<.05				
Allyl chloride					<1				
Alpha-bhc					<.05				
Anthracene					<8				

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-49A

Constituents	10/17/2022	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
(3,4)-methylphenol						<8	
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene						<1	
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene						<8	
1,2,4-trichlorobenzene						<1	
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<1	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene						<8	
1,3,5-trinitrobenzene						<8	
1,3-dichlorobenzene						<1	
1,3-dichloropropane						<1	
1,3-dinitrobenzene						<8	
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone						<8	
1,4-phenylenediamine						<8	
1-naphthylamine						<8	
2,2-dichloropropane						<1	
2,3,4,6-tetrachlorophenol						<8	
2,4,5-t						<5	
2,4,5-tp (silvex)						<5	
2,4,5-trichlorophenol						<8	
2,4,6-trichlorophenol						<8	
2,4-d						<2	
2,4-dichlorophenol						<8	
2,4-dimethylphenol						<8	
2,4-dinitrophenol						<8	
2,4-dinitrotoluene						<8	
2,6-dichlorophenol						<8	
2,6-dinitrotoluene						<8	
2-acetylaminofluorene						<8	
2-butanone (mek)	<10	<10	<10	<10	<10	<5	<10
2-chloronaphthalene						<8	
2-chlorophenol						<8	
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene						<8	
2-methylphenol						<8	
2-naphthylamine						<8	
2-nitroaniline						<8	
2-nitrophenol						<8	
3,3'-dichlorobenzidine						<8	
3,3'-dimethylbenzidine						<8	
3-methylcholanthrene						<8	
3-nitroaniline						<8	
4,4'-ddd						<.05	
4,4'-dde						<.05	
4,4'-ddt						<.05	
4,6-dinitro-2-methylphenol						<8	
4-aminobiphenyl						<8	
4-bromophenyl phenyl ether						<8	
4-chloro-3-methylphenol						<8	
4-chloroaniline						<8	
4-chlorophenyl phenyl ether						<8	
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline						<8	
4-nitrophenol						<8	
5-nitro-o-toluidine						<8	
7,12-dimethylbenz(a)anthracene						<8	
Acenaphthene						<8	
Acenaphthylene						<8	
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acetonitrile						<10	
Acetophenone						<8	
Acrolein						<10	
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5
Aldrin						<.05	
Allyl chloride						<1	
Alpha-bhc						<.05	
Anthracene						<8	

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-49A

Constituents	Units	10/23/2014	3/31/2015	11/5/2015	4/21/2016	10/17/2016	1/9/2017	4/21/2017	10/16/2017
Antimony, total	ug/L	<2	<2	<2	<2	<2		<2	<2
Arochlor 1016	ug/L		<.1						
Arochlor 1221	ug/L		<.2						
Arochlor 1232	ug/L		<.2						
Arochlor 1242	ug/L		<.2						
Arochlor 1248	ug/L		<.2						
Arochlor 1254	ug/L		<.1						
Arochlor 1260	ug/L		<.1						
Arsenic, total	ug/L	10.3	9.5	12.9	39.4	225.0	13.0	12.5	14.8
Azobenzene	ug/L		<8						
Barium, total	ug/L	580	625	447	478	707	477	465	373
Benzene	ug/L	2.9	3.5	5.7	3.4	2.7		1.6	4.0
Benzo(a)anthracene	ug/L		<8						
Benzo(a)pyrene	ug/L		<8						
Benzo(b)fluoranthene	ug/L		<8						
Benzo(g,h,i)perylene	ug/L		<8						
Benzo(k)fluoranthene	ug/L		<8						
Benzyl alcohol	ug/L		<8						
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0
Beta-bhc	ug/L		<.05						
Bis (2-chloroethoxy) methane	ug/L		<8						
Bis(2-chloroethyl) ether	ug/L		<8						
Bis(2-chloroisopropyl) ether	ug/L		<8						
Bis(2-ethylhexyl) phthalate	ug/L		<8						
Bromochloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Butyl benzyl phthalate	ug/L		<8						
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8		<.8	<.8
Carbon disulfide	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1		<1	<1
Chlordane	ug/L		<.1						
Chlorobenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
Chlorobenzilate	ug/L		<8						
Chloroethane	ug/L	2.9	10.5	1.9	1.7	1.8		2.0	3.0
Chloroform	ug/L	<1	<1	<1	<1	<1		<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Chloroprene	ug/L		<1						
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0		<8.0	<8.0
Chrysene	ug/L		<8						
Cis-1,2-dichloroethylene	ug/L	<1.0	<1.0	1.1	<1.0	<1.0		<1.0	<1.0
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1		<1	<1
Cobalt, total	ug/L	12.0	13.3	15.2	14.5	1.1		14.9	5.9
Copper, total	ug/L	4.8	<4.0	4.3	4.9	<4.0		<4.0	<4.0
Cyanide, total	mg/L		<.005						
Delta-bhc	ug/L		<.05						
Diallate	ug/L		<8						
Dibenzo(a,h)anthracene	ug/L		<8						
Dibenzofuran	ug/L		<8						
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Dichlorodifluoromethane	ug/L		1.1	<1.0	<1.0	<2.0		<1.0	<1.0
Dieldrin	ug/L		<.05						
Diethyl phthalate	ug/L		<8						
Dimethoate	ug/L		<.4						
Dimethylphthalate	ug/L		<8						
Di-n-butyl phthalate	ug/L		<8						
Di-n-octyl phthalate	ug/L		<8						
Dinoseb	ug/L		<.5						
Diphenylamine	ug/L		<8						
Disulfoton	ug/L		<.4						
Endosulfan i	ug/L		<.05						
Endosulfan ii	ug/L		<.05						
Endosulfan sulfate	ug/L		<.05						
Endrin	ug/L		<.05						
Endrin aldehyde	ug/L		<.05						
Ethyl methacrylate	ug/L		<10						
Ethyl methanesulfonate	ug/L		<8						
Ethylbenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
Famphur	ug/L		<.4						
Fluoranthene	ug/L		<8						
Fluorene	ug/L		<8						
Gamma-bhc (lindane)	ug/L		<.05						
Heptachlor	ug/L		<.05						
Heptachlor epoxide	ug/L		<.05						
Hexachlorobenzene	ug/L		<.05						

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-49A

Constituents	4/24/2018	10/25/2018	4/15/2019	10/7/2019	4/23/2020	10/1/2020	4/8/2021	10/29/2021	4/25/2022
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016					<.1				
Arochlor 1221					<.2				
Arochlor 1232					<.2				
Arochlor 1242					<.2				
Arochlor 1248					<.2				
Arochlor 1254					<.1				
Arochlor 1260					<.1				
Arsenic, total	16.8	35.2	27.8	55.8	39.1	27.8	24.7	18.0	14.6
Azobenzene					<8				
Barium, total	704	453	668	393	676	531	583	346	748
Benzene	3.4	4.0	3.2	1.6	2.4	2.9	3.4	7.0	5.9
Benzo(a)anthracene					<8				
Benzo(a)pyrene					<8				
Benzo(b)fluoranthene					<8				
Benzo(g,h,i)perylene					<8				
Benzo(k)fluoranthene					<8				
Benzyl alcohol					<8				
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc					<.05				
Bis (2-chloroethoxy) methane					<8				
Bis(2-chloroethyl) ether					<8				
Bis(2-chloroisopropyl) ether					<8				
Bis(2-ethylhexyl) phthalate					<6				
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate					<8				
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane					<.1				
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate					<8				
Chloroethane	3.3	1.1	1.9	<1.0	2.0	2.7	5.7	6.3	5.4
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene					<1				
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene					<8				
Cis-1,2-dichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	3.9	8.0	6.4
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	24.5	7.3	18.0	2.7	19.1	16.8	21.0	2.6	16.5
Copper, total	<4.0	5.9	<4.0	<4.0	4.7	4.0	<4.0	7.0	6.6
Cyanide, total					<.005				
Delta-bhc					<.05				
Diallate					<8				
Dibenzo(a,h)anthracene					<8				
Dibenzofuran					<8				
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane					<1.0				
Dieldrin					<.05				
Diethyl phthalate					<8				
Dimethoate					<.4				
Dimethylphthalate					<8				
Di-n-butyl phthalate					<8				
Di-n-octyl phthalate					<8				
Dinoseb					<.5				
Diphenylamine					<8				
Disulfoton					<.4				
Endosulfan i					<.05				
Endosulfan ii					<.05				
Endosulfan sulfate					<.05				
Endrin					<.05				
Endrin aldehyde					<.05				
Ethyl methacrylate					<10				
Ethyl methanesulfonate					<8				
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur					<.4				
Fluoranthene					<8				
Fluorene					<8				
Gamma-bhc (lindane)					<.05				
Heptachlor					<.05				
Heptachlor epoxide					<.05				
Hexachlorobenzene					<.05				

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-49A

Constituents	10/17/2022	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
Antimony, total	<2	<2	<2	<2	<2	<1	<1
Arochlor 1016						<2	
Arochlor 1221						<2	
Arochlor 1232						<2	
Arochlor 1242						<2	
Arochlor 1248						<2	
Arochlor 1254						<2	
Arochlor 1260						<2	
Arsenic, total	46.0	74.9	42.8	29.9	50.5	36.2	43.7
Azobenzene						<8	
Barium, total	656	686	609	626	616	722	777
Benzene	5.8	4.2	3.4	2.8	2.4	4.6	5.4
Benzo(a)anthracene						<8	
Benzo(a)pyrene						<8	
Benzo(b)fluoranthene						<8	
Benzo(g,h,i)perylene						<8	
Benzo(k)fluoranthene						<8	
Benzyl alcohol						<8	
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<5	<5
Beta-bhc						<.05	
Bis (2-chloroethoxy) methane						<8	
Bis(2-chloroethyl) ether						<8	
Bis(2-chloroisopropyl) ether						<8	
Bis(2-ethylhexyl) phthalate						<6	
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate						<8	
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.2	<.2
Carbon disulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.7
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1
Chlordane						<.1	
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate						<8	
Chloroethane	4.9	3.5	3.0	3.5	2.4	3.8	4.0
Chloroform	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1
Chloroprene						<1	
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	1.2	<1.0
Chrysene						<8	
Cis-1,2-dichloroethylene	3.4	1.4	2.7	3.6	1.8	5.2	4.5
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	20.3	20.6	20.5	19.9	10.2	13.2	14.8
Copper, total	13.9	39.5	5.4	5.3	<4.0	9.3	<5.0
Cyanide, total						<.010	
Delta-bhc						<.05	
Diallate						<8	
Dibenzo(a,h)anthracene						<8	
Dibenzofuran						<8	
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane						<1.0	
Dieldrin						<.05	
Diethyl phthalate						<8	
Dimethoate						<.4	
Dimethylphthalate						<8	
Di-n-butyl phthalate						<8	
Di-n-octyl phthalate						<8	
Dinoseb						<.5	
Diphenylamine						<8	
Disulfoton						<.4	
Endosulfan i						<.05	
Endosulfan ii						<.05	
Endosulfan sulfate						<.05	
Endrin						<.05	
Endrin aldehyde						<.05	
Ethyl methacrylate						<10	
Ethyl methanesulfonate						<8	
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1
Famphur						<.4	
Fluoranthene						<8	
Fluorene						<8	
Gamma-bhc (lindane)						<.05	
Heptachlor						<.05	
Heptachlor epoxide						<.05	
Hexachlorobenzene						<.05	

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-49A

Constituents	Units	10/23/2014	3/31/2015	11/5/2015	4/21/2016	10/17/2016	1/9/2017	4/21/2017	10/16/2017
Hexachlorobutadiene	ug/L		<8						
Hexachlorocyclopentadiene	ug/L		<8						
Hexachloroethane	ug/L		<8						
Hexachloropropene	ug/L		<8						
Indeno(1,2,3-cd)pyrene	ug/L		<8						
Isobutanol	ug/L		<1000						
Isodrin	ug/L		<8						
Isophorone	ug/L		<8						
Isosafrole	ug/L		<8						
Kepone	ug/L		<8						
Lead, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Mercury, total	ug/L		<.5						
Methacrylonitrile	ug/L		<1						
Methapyrene	ug/L		<8						
Methoxychlor	ug/L		<.05						
Methyl iodide	ug/L	<1	<1	<1	<1	<1		<1	<1
Methyl methacrylate	ug/L		<1						
Methyl methanesulfonate	ug/L		<8						
Methyl parathion	ug/L		<.4						
Methylene chloride	ug/L	<5	<5	<5	<5	<5		<5	<5
Naphthalene	ug/L		<8						
Nickel, total	ug/L	32.2	32.8	35.1	38.5	<4.0		37.6	13.3
Nitrobenzene	ug/L		<8						
N-nitrosodiethylamine	ug/L		<8						
N-nitrosodimethylamine	ug/L		<8						
N-nitrosodi-n-butylamine	ug/L		<8						
N-nitroso-di-n-propylamine	ug/L		<8						
N-nitrosodiphenylamine	ug/L		<8						
N-nitrosomethylethylamine	ug/L		<8						
N-nitrosopiperidine	ug/L		<8						
N-nitrosopyrrolidine	ug/L		<8						
O,o,o-triethyl phosphorothioate	ug/L		<.4						
O-toluidine	ug/L		<8						
Parathion	ug/L		<.4						
P-dimethylaminoazobenzene	ug/L		<8						
Pentachlorobenzene	ug/L		<8						
Pentachloronitrobenzene (pcnb)	ug/L		<8						
Pentachlorophenol	ug/L		<8						
Phenacetin	ug/L		<8						
Phenanthrene	ug/L		<8						
Phenol	ug/L		<8						
Phorate	ug/L		<.4						
Pronamide	ug/L		<8						
Propionitrile	ug/L		<10						
Pyrene	ug/L		<8						
Safrole	ug/L		<8						
Selenium, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Solids, total suspended	mg/L	706	72						
Styrene	ug/L	<1	<1	<1	<1	<1		<1	<1
Sulfide, total	mg/L		<.1						
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0
Thionazin	ug/L		<.4						
Tin, total	ug/L		<20						
Toluene	ug/L	<1	<1	<1	<1	<1		<1	<1
Toxaphene	ug/L		<.2						
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1		<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5		<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20		<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5		<5	<5
Vinyl chloride	ug/L	1.6	1.5	<1.0	<1.0	<1.0		<1.0	1.3
Xylenes, total	ug/L	<2	<2	<2	<2	<2		<2	<2
Zinc, total	ug/L	<20.0	<8.0	<8.0	<20.0	<8.0		<8.0	<8.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-49A

Constituents	4/24/2018	10/25/2018	4/15/2019	10/7/2019	4/23/2020	10/1/2020	4/8/2021	10/29/2021	4/25/2022
Hexachlorobutadiene					<8				
Hexachlorocyclopentadiene					<8				
Hexachloroethane					<8				
Hexachloropropene					<8				
Indeno(1,2,3-cd)pyrene					<8				
Isobutanol					<1000				
Isodrin					<8				
Isophorone					<8				
Isosafrole					<8				
Kepone					<8				
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total					<.5				
Methacrylonitrile					<1				
Methapyrilene					<8				
Methoxychlor					<.05				
Methyl iodide	<1	<1	<1	<1	<2	<1	<1	<1	<1
Methyl methacrylate					<1				
Methyl methanesulfonate					<8				
Methyl parathion					<.4				
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene					<8				
Nickel, total	61.9	9.3	41.9	7.4	49.6	46.9	48.9	7.3	50.7
Nitrobenzene					<8				
N-nitrosodiethylamine					<8				
N-nitrosodimethylamine					<8				
N-nitrosodi-n-butylamine					<8				
N-nitroso-di-n-propylamine					<8				
N-nitrosodiphenylamine					<8				
N-nitrosomethylethylamine					<8				
N-nitrosopiperidine					<8				
N-nitrosopyrrolidine					<8				
O,o,o-triethyl phosphorothioate					<.4				
O-toluidine					<8				
Parathion					<.4				
P-dimethylaminoazobenzene					<8				
Pentachlorobenzene					<8				
Pentachloronitrobenzene (pcnb)					<8				
Pentachlorophenol					<8				
Phenacetin					<8				
Phenanthrene					<8				
Phenol					<8				
Phorate					<.4				
Pronamide					<8				
Propionitrile					<10				
Pyrene					<8				
Safrole					<8				
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total					<.1				
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin					<.4				
Tin, total					<20				
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene					<.2				
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	3.2	5.0	3.9
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<8.0	<20.0	<8.0	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-49A

Constituents	10/17/2022	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
Hexachlorobutadiene						<8	
Hexachlorocyclopentadiene						<8	
Hexachloroethane						<8	
Hexachloropropene						<8	
Indeno(1,2,3-cd)pyrene						<8	
Isobutanol						<1000	
Isodrin						<8	
Isophorone						<8	
Isosafrole						<8	
Kepone						<8	
Lead, total	<4	<4	<4	<4	<4	<1	<1
Mercury, total						<.5	
Methacrylonitrile						<1	
Methapyrilene						<8	
Methoxychlor						<.05	
Methyl iodide	<1	<1	<1	<1	<1	<2	<1
Methyl methacrylate						<1	
Methyl methanesulfonate						<8	
Methyl parathion						<.4	
Methylene chloride	<5	<5	<5	<5	<5	<5	<5
Naphthalene						<8	
Nickel, total	54.3	55.4	50.5	49.4	45.6	41.1	45.7
Nitrobenzene						<8	
N-nitrosodiethylamine						<8	
N-nitrosodimethylamine						<8	
N-nitrosodi-n-butylamine						<8	
N-nitroso-di-n-propylamine						<8	
N-nitrosodiphenylamine						<8	
N-nitrosomethylethylamine						<8	
N-nitrosopiperidine						<8	
N-nitrosopyrrolidine						<8	
O,o,o-triethyl phosphorothioate						<.4	
O-toluidine						<8	
Parathion						<.4	
P-dimethylaminoazobenzene						<8	
Pentachlorobenzene						<8	
Pentachloronitrobenzene (pcnb)						<8	
Pentachlorophenol						<8	
Phenacetin						<8	
Phenanthrene						<8	
Phenol						<8	
Phorate						<.4	
Pronamide						<8	
Propionitrile						<10	
Pyrene						<8	
Safrole						<8	
Selenium, total	<4	<4	<4	<4	<4	<2	<2
Silver, total	<4	<4	<4	<4	<4	<5	<5
Solids, total suspended							
Styrene	<1	<1	<1	<1	<1	<1	<1
Sulfide, total						<.1	
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Thionazin						<.4	
Tin, total						<5	
Toluene	<1	<1	<1	<1	<1	<1	<1
Toxaphene						<.2	
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	2.7	1.6	1.4	2.9	1.8	4.5	6.3
Xylenes, total	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	22.2	<20.0	<20.0	5.1	15.2

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-50

Constituents	Units	10/23/2014	4/1/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017	1/12/2018
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<10	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<10	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<10	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<20	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<10	<5	<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	443	519	461	526	372	453	340	
Benzene	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Cobalt, total	ug/L	<.8	1.0	<.8	.9	<.8	.8	<.8	<.8
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	8.7	<4.0
Dibromochloromethane	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<10	<5	<5	<5
Nickel, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	214	35						
Styrene	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Toluene	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<10	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<10	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<2	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<4	<2	<2	<2
Zinc, total	ug/L	<20.0	10.2	<8.0	<20.0	<8.0	<8.0	<8.0	<8.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-50

Constituents	4/24/2018	7/5/2018	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/1/2020	4/8/2021	10/29/2021
1,1,1,2-tetrachloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1		<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1		<1	<1	<1	<5	<5	<5	<5
1,2-dibromoethane	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1		<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1		<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5		<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	<5		<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5		<5	<5	<5	<5	<5	<5	<5
Acetone	<10		<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5		<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2		<2	<2	<2	<2	<2	<2	<2
Arsenic, total	<4		<4	<4	<4	<4	<4	<4	<4
Barium, total	396		263	408	247	448	263	385	312
Benzene	<1		<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	<1		<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1		<1	<1	<1	<1	<1	<1	<1
Bromoform	<1		<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1		<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8		<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1		<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1		<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1		<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1		<1	<1	<1	<1	<1	<1	<1
Chloroform	<1		<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1		<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8		<8	<8	<8	<8	<8	<8	<8
Cis-1,2-dichloroethylene	<1		<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1		<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8		<.8	<.8	<.8	<.4	<.4	<.4	<.4
Copper, total	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	<1		<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1		<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1		<1	<1	<1	<1	<1	<1	<1
Lead, total	<4		<4	<4	<4	<4	<4	<4	<4
Methyl iodide	<1		<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5		<5	<5	<5	<5	<5	<5	<5
Nickel, total	38.3	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Selenium, total	<4		<4	<4	<4	<4	<4	<4	<4
Silver, total	<4		<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1		<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1		<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0		<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	<1		<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1		<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1		<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5		<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1		<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1		<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20		<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5		<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1		<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2		<2	<2	<2	<2	<2	<2	<2
Zinc, total	<8.0		<20.0	<8.0	<8.0	<20.0	<20.0	<20.0	<20.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-50

Constituents	4/25/2022	10/17/2022	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<1	<1
Arsenic, total	<4	<4	<4	<4	<4	<4	<2	<2
Barium, total	392	513	525	310	685	253	624	378
Benzene	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5	<5
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.2	<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8	<8	<8	<8	<8	<8	1	<1
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	.4	1.5	1.2	<.4	<.4	<.4	<.5	<.5
Copper, total	<4.0	<4.0	<4.0	<4.0	5.2	<4.0	<5.0	<5.0
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<4	<1	<1
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0
Selenium, total	<4	<4	<4	<4	<4	<4	<2	<2
Silver, total	<4	<4	<4	<4	<4	<4	<5	<5
Solids, total suspended								
Styrene	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Toluene	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<5.0	9.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-51

Constituents	Units	10/23/2014	1/8/2015	4/1/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	7/12/2017
1,1,1,2-tetrachloroethane	ug/L	<1		<1	<1	<1	<1	<1	
1,1,1-trichloroethane	ug/L	<1		<1	<1	<1	<1	<1	
1,1,2,2-tetrachloroethane	ug/L	<1		<1	<1	<1	<1	<1	
1,1,2-trichloroethane	ug/L	<1		<1	<1	<1	<1	<1	
1,1-dichloroethane	ug/L	<1		<1	<1	<1	<1	<1	
1,1-dichloroethylene	ug/L	<1		<1	<1	<1	<1	<1	
1,2,3-trichloropropane	ug/L	<1		<1	<1	<1	<1	<1	
1,2-dibromo-3-chloropropane	ug/L	<1		<1	<1	<1	<1	<1	
1,2-dibromoethane	ug/L	<1		<1	<1	<1	<1	<1	
1,2-dichlorobenzene	ug/L	<1		<1	<1	<1	<1	<1	
1,2-dichloroethane	ug/L	<1		<1	<1	<1	<1	<1	
1,2-dichloropropane	ug/L	<1		<1	<1	<1	<1	<1	
1,4-dichlorobenzene	ug/L	<1		<1	<1	<1	<1	<1	
2-butanone (mek)	ug/L	<5		<5	<5	<5	<5	<5	
2-hexanone (mbk)	ug/L	<5		<5	<5	<5	<5	<5	
4-methyl-2-pentanone (mibk)	ug/L	<5		<5	<5	<5	<5	<5	
Acetone	ug/L	<10		<10	<10	<10	<10	<10	
Acrylonitrile	ug/L	<5		<5	<5	<5	<5	<5	
Antimony, total	ug/L	<2		<2	<2	<2	<2	<2	
Arsenic, total	ug/L	<4		<4	<4	<4	<4	<4	
Barium, total	ug/L	460	495	520	477	744	358	774	348
Benzene	ug/L	<1		<1	<1	<1	<1	<1	
Beryllium, total	ug/L	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	
Bromochloromethane	ug/L	<1		<1	<1	<1	<1	<1	
Bromodichloromethane	ug/L	<1		<1	<1	<1	<1	<1	
Bromoform	ug/L	<1		<1	<1	<1	<1	<1	
Bromomethane	ug/L	<1		<1	<1	<1	<1	<1	
Cadmium, total	ug/L	<.8		<.8	<.8	<.8	<.8	<.8	
Carbon disulfide	ug/L	<1		<1	<1	<1	<1	<1	
Carbon tetrachloride	ug/L	<1		<1	<1	<1	<1	<1	
Chlorobenzene	ug/L	<1		<1	<1	<1	<1	<1	
Chloroethane	ug/L	<1		<1	<1	<1	<1	<1	
Chloroform	ug/L	<1		<1	<1	<1	<1	<1	
Chloromethane	ug/L	<1		<1	<1	<1	<1	<1	
Chromium, total	ug/L	<8.0		<8.0	<8.0	<8.0	<8.0	<8.0	
Cis-1,2-dichloroethylene	ug/L	<1		<1	<1	<1	<1	<1	
Cis-1,3-dichloropropene	ug/L	<1		<1	<1	<1	<1	<1	
Cobalt, total	ug/L	<.8		<.8	<.8	<.8	<.8	<.8	
Copper, total	ug/L	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	
Dibromochloromethane	ug/L	<1		<1	<1	<1	<1	<1	
Dibromomethane	ug/L	<1		<1	<1	<1	<1	<1	
Ethylbenzene	ug/L	<1		<1	<1	<1	<1	<1	
Lead, total	ug/L	<4		<4	<4	<4	<4	<4	
Methyl iodide	ug/L	<1		<1	<1	<1	<1	<1	
Methylene chloride	ug/L	<5		<5	<5	<5	<5	<5	
Nickel, total	ug/L	<4		<4	<4	<4	<4	<4	
Selenium, total	ug/L	<4		<4	<4	<4	<4	<4	
Silver, total	ug/L	<4		<4	<4	<4	<4	<4	
Solids, total suspended	mg/L	478		56					
Styrene	ug/L	<1		<1	<1	<1	<1	<1	
Tetrachloroethylene	ug/L	<1		<1	<1	<1	<1	<1	
Thallium, total	ug/L	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	
Toluene	ug/L	<1		<1	<1	<1	<1	<1	
Trans-1,2-dichloroethylene	ug/L	<1		<1	<1	<1	<1	<1	
Trans-1,3-dichloropropene	ug/L	<1		<1	<1	<1	<1	<1	
Trans-1,4-dichloro-2-butene	ug/L	<5		<5	<5	<5	<5	<5	
Trichloroethylene	ug/L	<1		<1	<1	<1	<1	<1	
Trichlorofluoromethane	ug/L	<1		<1	<1	<1	<1	<1	
Vanadium, total	ug/L	<20		<20	<20	<20	<20	<20	
Vinyl acetate	ug/L	<5		<5	<5	<5	<5	<5	
Vinyl chloride	ug/L	<1		<1	<1	<1	<1	<1	
Xylenes, total	ug/L	<2		<2	<2	<2	<2	<2	
Zinc, total	ug/L	<20.0		<8.0	<8.0	<20.0	<8.0	<8.0	

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-51

Constituents	10/16/2017	4/24/2018	7/5/2018	10/25/2018	4/15/2019	10/7/2019	4/22/2020	7/10/2020	10/1/2020
1,1,1,2-tetrachloroethane	<1	<1		<1	<1	<1	<1		<1
1,1,1-trichloroethane	<1	<1		<1	<1	<1	<1		<1
1,1,2,2-tetrachloroethane	<1	<1		<1	<1	<1	<1		<1
1,1,2-trichloroethane	<1	<1		<1	<1	<1	<1		<1
1,1-dichloroethane	<1	<1		<1	<1	<1	<1		<1
1,1-dichloroethylene	<1	<1		<1	<1	<1	<1		<1
1,2,3-trichloropropane	<1	<1		<1	<1	<1	<1		<1
1,2-dibromo-3-chloropropane	<1	<1		<1	<1	<1	<5		<5
1,2-dibromoethane	<1	<1		<1	<1	<1	<1		<1
1,2-dichlorobenzene	<1	<1		<1	<1	<1	<1		<1
1,2-dichloroethane	<1	<1		<1	<1	<1	<1		<1
1,2-dichloropropane	<1	<1		<1	<1	<1	<1		<1
1,4-dichlorobenzene	<1	<1		<1	<1	<1	<1		<1
2-butanone (mek)	<5	<5		<5	<5	<5	<5		<5
2-hexanone (mbk)	<5	<5		<5	<5	<5	<5		<5
4-methyl-2-pentanone (mibk)	<5	<5		<5	<5	<5	<5		<5
Acetone	<10	<10		<10	<10	<10	<10		<10
Acrylonitrile	<5	<5		<5	<5	<5	<5		<5
Antimony, total	<2	<2		<2	<2	<2	<2		<2
Arsenic, total	<4	<4		<4	<4	<4	<4		<4
Barium, total	371	646	402	304	412	408	626	393	354
Benzene	<1	<1		<1	<1	<1	<1		<1
Beryllium, total	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0		<4.0
Bromochloromethane	<1	<1		<1	<1	<1	<1		<1
Bromodichloromethane	<1	<1		<1	<1	<1	<1		<1
Bromoform	<1	<1		<1	<1	<1	<1		<1
Bromomethane	<1	<1		<1	<1	<1	<1		<1
Cadmium, total	<8	<8		<8	<8	<8	<8		<8
Carbon disulfide	<1	<1		<1	<1	<1	<1		<1
Carbon tetrachloride	<1	<1		<1	<1	<1	<1		<1
Chlorobenzene	<1	<1		<1	<1	<1	<1		<1
Chloroethane	<1	<1		<1	<1	<1	<1		<1
Chloroform	<1	<1		<1	<1	<1	<1		<1
Chloromethane	<1	<1		<1	<1	<1	<1		<1
Chromium, total	<8.0	<8.0		<8.0	<8.0	<8.0	<8.0		<8.0
Cis-1,2-dichloroethylene	<1	<1		<1	<1	<1	<1		<1
Cis-1,3-dichloropropene	<1	<1		<1	<1	<1	<1		<1
Cobalt, total	<8	<8		<8	<8	<8	<4		<4
Copper, total	<4.0	<4.0		5.7	<4.0	<4.0	<4.0		<4.0
Dibromochloromethane	<1	<1		<1	<1	<1	<1		<1
Dibromomethane	<1	<1		<1	<1	<1	<1		<1
Ethylbenzene	<1	<1		<1	<1	<1	<1		<1
Lead, total	<4	<4		<4	<4	<4	<4		<4
Methyl iodide	<1	<1		<1	<1	<1	<1		<1
Methylene chloride	<5	<5		<5	<5	<5	<5		<5
Nickel, total	<4	<4		<4	<4	<4	<4		<4
Selenium, total	<4	<4		<4	<4	<4	<4		<4
Silver, total	<4	<4		<4	<4	<4	<4		<4
Solids, total suspended									
Styrene	<1	<1		<1	<1	<1	<1		<1
Tetrachloroethylene	<1	<1		<1	<1	<1	<1		<1
Thallium, total	<4.0	<4.0		<4.0	<2.0	<2.0	<2.0		<2.0
Toluene	<1	<1		<1	<1	<1	<1		<1
Trans-1,2-dichloroethylene	<1	<1		<1	<1	<1	<1		<1
Trans-1,3-dichloropropene	<1	<1		<1	<1	<1	<1		<1
Trans-1,4-dichloro-2-butene	<5	<5		<5	<5	<5	<5		<5
Trichloroethylene	<1	<1		<1	<1	<1	<1		<1
Trichlorofluoromethane	<1	<1		<1	<1	<1	<1		<1
Vanadium, total	<20	<20		<20	<20	<20	<20		<20
Vinyl acetate	<5	<5		<5	<5	<5	<5		<5
Vinyl chloride	<1	<1		<1	<1	<1	<1		<1
Xylenes, total	<2	<2		<2	<2	<2	<2		<2
Zinc, total	<8.0	<8.0		<20.0	<8.0	<8.0	<20.0		<20.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-51

Constituents	4/8/2021	10/29/2021	1/27/2022	4/25/2022	10/17/2022	4/10/2023	10/27/2023	4/2/2024	10/10/2024
1,1,1,2-tetrachloroethane	<1	<1		<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1		<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1		<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1		<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1		<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1		<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5		<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1		<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1		<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5		<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5		<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5		<5	<5	<5	<5	<5	<5
Acetone	<10	<10		<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5		<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2		<2	<2	<2	<2	<2	<2
Arsenic, total	<4	<4		<4	<4	<4	<4	<4	<4
Barium, total	555	497		446	397	720	396	459	436
Benzene	<1	<1		<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	<1	<1		<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1		<1	<1	<1	<1	<1	<1
Bromoform	<1	<1		<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1		<1	<1	<1	<1	<1	<1
Cadmium, total	<8	<8		<8	<8	<8	<8	<8	<8
Carbon disulfide	<1	<1		<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1		<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1		<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1		<1	<1	<1	<1	<1	<1
Chloroform	<1	<1		<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1		<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0		<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	<1	<1		<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1		<1	<1	<1	<1	<1	<1
Cobalt, total	<4	<4		<4	1.2	<4	<4	<4	<4
Copper, total	<4.0	7.5		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	<1	<1		<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1		<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1		<1	<1	<1	<1	<1	<1
Lead, total	<4	<4		<4	<4	<4	<4	<4	<4
Methyl iodide	<1	<1		<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5		<5	<5	<5	<5	<5	<5
Nickel, total	<4	<4		<4	<4	<4	<4	<4	<4
Selenium, total	<4	<4		<4	<4	<4	<4	<4	<4
Silver, total	<4	<4		<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1		<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1		<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	<1	<1		<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1		<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1		<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5		<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1		<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1		<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20		<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5		<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1		<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2		<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	39.3	<20.0	<20.0	<20.0	<20.0	22.9	<20.0	<20.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-51

Constituents	4/15/2025	10/16/2025
1,1,1,2-tetrachloroethane	<1	<1
1,1,1-trichloroethane	<1	<1
1,1,2,2-tetrachloroethane	<1	<1
1,1,2-trichloroethane	<1	<1
1,1-dichloroethane	<1	<1
1,1-dichloroethylene	<1	<1
1,2,3-trichloropropane	<1	<1
1,2-dibromo-3-chloropropane	<5	<5
1,2-dibromoethane	<1	<1
1,2-dichlorobenzene	<1	<1
1,2-dichloroethane	<1	<1
1,2-dichloropropane	<1	<1
1,4-dichlorobenzene	<1	<1
2-butanone (mek)	<10	<10
2-hexanone (mbk)	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5
Acetone	<10	<10
Acrylonitrile	<5	<5
Antimony, total	<1	<1
Arsenic, total	<2	<2
Barium, total	484	527
Benzene	<1	<1
Beryllium, total	<.5	<.5
Bromochloromethane	<1	<1
Bromodichloromethane	<1	<1
Bromoform	<1	<1
Bromomethane	<1	<1
Cadmium, total	<.2	<.2
Carbon disulfide	<1	<1
Carbon tetrachloride	<1	<1
Chlorobenzene	<1	<1
Chloroethane	<1	<1
Chloroform	<1	<1
Chloromethane	<1	<1
Chromium, total	1.3	<1.0
Cis-1,2-dichloroethylene	<1	<1
Cis-1,3-dichloropropene	<1	<1
Cobalt, total	<.5	<.5
Copper, total	<5.0	8.4
Dibromochloromethane	<1	<1
Dibromomethane	<1	<1
Ethylbenzene	<1	<1
Lead, total	<1	<1
Methyl iodide	<1	<1
Methylene chloride	<5	<5
Nickel, total	<5	<5
Selenium, total	<2	<2
Silver, total	<5	<5
Solids, total suspended		
Styrene	<1	<1
Tetrachloroethylene	<1	<1
Thallium, total	<.5	<.5
Toluene	<1	<1
Trans-1,2-dichloroethylene	<1	<1
Trans-1,3-dichloropropene	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5
Trichloroethylene	<1	<1
Trichlorofluoromethane	<1	<1
Vanadium, total	<2	<2
Vinyl acetate	<5	<5
Vinyl chloride	<1	<1
Xylenes, total	<2	<2
Zinc, total	<5.0	7.4

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-7

Constituents	Units	10/23/2014	4/1/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017	4/24/2018
(3,4)-methylphenol	ug/L							<8	
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<1.0	<1.0
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L							<1	
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L							<8	
1,2,4-trichlorobenzene	ug/L							<1	
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L							<8	
1,3,5-trinitrobenzene	ug/L							<8	
1,3-dichlorobenzene	ug/L							<1	
1,3-dichloropropane	ug/L							<1	
1,3-dinitrobenzene	ug/L							<8	
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	ug/L							<8	
1,4-phenylenediamine	ug/L							<8	
1-naphthylamine	ug/L							<8	
2,2-dichloropropane	ug/L							<1	
2,3,4,6-tetrachlorophenol	ug/L							<8	
2,4,5-t	ug/L							<.5	
2,4,5-tp (silvex)	ug/L							<.5	
2,4,5-trichlorophenol	ug/L							<8	
2,4,6-trichlorophenol	ug/L							<8	
2,4-d	ug/L							<2	
2,4-dichlorophenol	ug/L							<8	
2,4-dimethylphenol	ug/L							<8	
2,4-dinitrophenol	ug/L							<8	
2,4-dinitrotoluene	ug/L							<8	
2,6-dichlorophenol	ug/L							<8	
2,6-dinitrotoluene	ug/L							<8	
2-acetylaminofluorene	ug/L							<8	
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L							<8	
2-chlorophenol	ug/L							<8	
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L							<8	
2-methylphenol	ug/L							<8	
2-naphthylamine	ug/L							<8	
2-nitroaniline	ug/L							<8	
2-nitrophenol	ug/L							<8	
3,3'-dichlorobenzidine	ug/L							<8	
3,3'-dimethylbenzidine	ug/L							<8	
3-methylcholanthrene	ug/L							<8	
3-nitroaniline	ug/L							<8	
4,4'-ddd	ug/L							<.05	
4,4'-dde	ug/L							<.05	
4,4'-ddt	ug/L							<.05	
4,6-dinitro-2-methylphenol	ug/L							<8	
4-aminobiphenyl	ug/L							<8	
4-bromophenyl phenyl ether	ug/L							<8	
4-chloro-3-methylphenol	ug/L							<8	
4-chloroaniline	ug/L							<8	
4-chlorophenyl phenyl ether	ug/L							<8	
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L							<8	
4-nitrophenol	ug/L							<8	
5-nitro-o-toluidine	ug/L							<8	
7,12-dimethylbenz(a)anthracene	ug/L							<8	
Acenaphthene	ug/L							<8	
Acenaphthylene	ug/L							<8	
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	ug/L							<10	
Acetophenone	ug/L							<8	
Acrolein	ug/L							<10	
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L							<.05	
Allyl chloride	ug/L							<1	
Alpha-bhc	ug/L							<.05	
Anthracene	ug/L							<8	

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-7

Constituents	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/1/2020	4/8/2021	10/29/2021	4/25/2022	10/17/2022
(3,4)-methylphenol									<8
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1.0	2.9	<1.0	1.7	<1.0	1.2	<1.0	1.0	<1.0
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene									<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene									<8
1,2,4-trichlorobenzene									<1
1,2-dibromo-3-chloropropane	<1	<1	<1	<5	<5	<5	<5	<5	<1
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene									<8
1,3,5-trinitrobenzene									<8
1,3-dichlorobenzene									<1
1,3-dichloropropane									<1
1,3-dinitrobenzene									<8
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone									<8
1,4-phenylenediamine									<8
1-naphthylamine									<8
2,2-dichloropropane									<1
2,3,4,6-tetrachlorophenol									<8
2,4,5-t									<5
2,4,5-tp (silvex)									<5
2,4,5-trichlorophenol									<8
2,4,6-trichlorophenol									<8
2,4-d									<2
2,4-dichlorophenol									<8
2,4-dimethylphenol									<8
2,4-dinitrophenol									<8
2,4-dinitrotoluene									<8
2,6-dichlorophenol									<8
2,6-dinitrotoluene									<8
2-acetylaminofluorene									<8
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<10	<5
2-chloronaphthalene									<8
2-chlorophenol									<8
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene									<8
2-methylphenol									<8
2-naphthylamine									<8
2-nitroaniline									<8
2-nitrophenol									<8
3,3'-dichlorobenzidine									<8
3,3'-dimethylbenzidine									<8
3-methylcholanthrene									<8
3-nitroaniline									<8
4,4'-ddd									<.05
4,4'-dde									<.05
4,4'-ddt									<.05
4,6-dinitro-2-methylphenol									<8
4-aminobiphenyl									<8
4-bromophenyl phenyl ether									<8
4-chloro-3-methylphenol									<8
4-chloroaniline									<8
4-chlorophenyl phenyl ether									<8
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline									<8
4-nitrophenol									<8
5-nitro-o-toluidine									<8
7,12-dimethylbenz(a)anthracene									<8
Acenaphthene									<8
Acenaphthylene									<8
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile									<10
Acetophenone									<8
Acrolein									<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin									<.05
Allyl chloride									<1
Alpha-bhc									<.05
Anthracene									<8

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-7

Constituents	1/5/2023	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
(3,4)-methylphenol							
1,1,1,2-tetrachloroethane		<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane		<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane		<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane		<1	<1	<1	<1	<1	<1
1,1-dichloroethane		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethylene		<1	<1	<1	<1	<1	<1
1,1-dichloropropene							
1,2,3-trichloropropane		<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene							
1,2,4-trichlorobenzene							
1,2-dibromo-3-chloropropane		<5	<5	<5	<5	<5	<5
1,2-dibromoethane		<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene		<1	<1	<1	<1	<1	<1
1,2-dichloroethane		<1	<1	<1	<1	<1	<1
1,2-dichloropropane		<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene							
1,3,5-trinitrobenzene							
1,3-dichlorobenzene							
1,3-dichloropropane							
1,3-dinitrobenzene							
1,4-dichlorobenzene		<1	<1	<1	<1	<1	<1
1,4-naphthoquinone							
1,4-phenylenediamine							
1-naphthylamine							
2,2-dichloropropane							
2,3,4,6-tetrachlorophenol							
2,4,5-t							
2,4,5-tp (silvex)							
2,4,5-trichlorophenol							
2,4,6-trichlorophenol							
2,4-d							
2,4-dichlorophenol							
2,4-dimethylphenol							
2,4-dinitrophenol							
2,4-dinitrotoluene							
2,6-dichlorophenol							
2,6-dinitrotoluene							
2-acetylaminofluorene							
2-butanone (mek)		<10	<10	<10	<10	<10	<10
2-chloronaphthalene							
2-chlorophenol							
2-hexanone (mbk)		<5	<5	<5	<5	<5	<5
2-methylnaphthalene							
2-methylphenol							
2-naphthylamine							
2-nitroaniline							
2-nitrophenol							
3,3'-dichlorobenzidine							
3,3'-dimethylbenzidine							
3-methylcholanthrene							
3-nitroaniline							
4,4'-ddd							
4,4'-dde							
4,4'-ddt							
4,6-dinitro-2-methylphenol							
4-aminobiphenyl							
4-bromophenyl phenyl ether							
4-chloro-3-methylphenol							
4-chloroaniline							
4-chlorophenyl phenyl ether							
4-methyl-2-pentanone (mibk)		<5	<5	<5	<5	<5	<5
4-nitroaniline							
4-nitrophenol							
5-nitro-o-toluidine							
7,12-dimethylbenz(a)anthracene							
Acenaphthene							
Acenaphthylene							
Acetone		<10	<10	<10	<10	<10	<10
Acetonitrile							
Acetophenone							
Acrolein							
Acrylonitrile		<5	<5	<5	<5	<5	<5
Aldrin							
Allyl chloride							
Alpha-bhc							
Anthracene							

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-7

Constituents	Units	10/23/2014	4/1/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017	4/24/2018
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L							<1	
Arochlor 1221	ug/L							<2	
Arochlor 1232	ug/L							<2	
Arochlor 1242	ug/L							<2	
Arochlor 1248	ug/L							<2	
Arochlor 1254	ug/L							<1	
Arochlor 1260	ug/L							<1	
Arsenic, total	ug/L	297.0	112.0	215.0	146.0	165.0	197.0	115.0	<4.0
Azobenzene	ug/L							<8	
Barium, total	ug/L	607	395	469	261	372	461	291	241
Benzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(a)anthracene	ug/L							<8	
Benzo(a)pyrene	ug/L							<8	
Benzo(b)fluoranthene	ug/L							<8	
Benzo(g,h,i)perylene	ug/L							<8	
Benzo(k)fluoranthene	ug/L							<8	
Benzyl alcohol	ug/L							<8	
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L							<.05	
Bis (2-chloroethoxy) methane	ug/L							<8	
Bis(2-chloroethyl) ether	ug/L							<8	
Bis(2-chloroisopropyl) ether	ug/L							<8	
Bis(2-ethylhexyl) phthalate	ug/L	<10	<10	<10	<10	<10	<6	<6	
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L							<8	
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L							<1	
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L							<8	
Chloroethane	ug/L	2.0	<1.0	4.4	1.0	13.5	3.9	4.4	<1.0
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L							<1	
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene	ug/L							<8	
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	10.5	5.9	5.3	1.0	3.5	1.5	.8	<.8
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	10.1
Cyanide, total	mg/L							<.005	
Delta-bhc	ug/L							<.05	
Diallate	ug/L							<8	
Dibenzo(a,h)anthracene	ug/L							<8	
Dibenzofuran	ug/L							<8	
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	<1	<1	<1	<1	<2	<1	<1	
Dieldrin	ug/L							<.05	
Diethyl phthalate	ug/L							<8	
Dimethoate	ug/L							<.4	
Dimethylphthalate	ug/L							<8	
Di-n-butyl phthalate	ug/L							<8	
Di-n-octyl phthalate	ug/L							<8	
Dinoseb	ug/L							<.5	
Diphenylamine	ug/L							<8	
Disulfoton	ug/L							<.4	
Endosulfan i	ug/L							<.05	
Endosulfan ii	ug/L							<.05	
Endosulfan sulfate	ug/L							<.05	
Endrin	ug/L							<.05	
Endrin aldehyde	ug/L							<.05	
Ethyl methacrylate	ug/L							<10	
Ethyl methanesulfonate	ug/L							<8	
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L							<.4	
Fluoranthene	ug/L							<8	
Fluorene	ug/L							<8	
Gamma-bhc (lindane)	ug/L							<.05	
Heptachlor	ug/L							<.05	
Heptachlor epoxide	ug/L							<.05	
Hexachlorobenzene	ug/L							<.05	

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-7

Constituents	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/1/2020	4/8/2021	10/29/2021	4/25/2022	10/17/2022
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016									<.1
Arochlor 1221									<.2
Arochlor 1232									<.2
Arochlor 1242									<.2
Arochlor 1248									<.2
Arochlor 1254									<.1
Arochlor 1260									<.1
Arsenic, total	36.6	457.0	33.5	88.8	306.0	181.0	117.0	104.0	255.0
Azobenzene									<8
Barium, total	243	523	281	336	372	341	456	377	339
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.4	<1.0
Benzo(a)anthracene									<8
Benzo(a)pyrene									<8
Benzo(b)fluoranthene									<8
Benzo(g,h,i)perylene									<8
Benzo(k)fluoranthene									<8
Benzyl alcohol									<8
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc									<.05
Bis (2-chloroethoxy) methane									<8
Bis(2-chloroethyl) ether									<8
Bis(2-chloroisopropyl) ether									<8
Bis(2-ethylhexyl) phthalate									9
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate									<8
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane									<.1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate									<8
Chloroethane	<1.0	8.0	<1.0	5.1	3.7	6.8	<1.0	6.5	2.6
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene									<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene									<8
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	8.9	.8	2.1	4.3	4.2	1.6	1.4	4.8
Copper, total	7.5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total									<.005
Delta-bhc									<.05
Diallate									<8
Dibenzo(a,h)anthracene									<8
Dibenzofuran									<8
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane									<1
Dieldrin									<.05
Diethyl phthalate									<8
Dimethoate									<.4
Dimethylphthalate									<8
Di-n-butyl phthalate									<8
Di-n-octyl phthalate									<8
Dinoseb									<.5
Diphenylamine									<8
Disulfoton									<.4
Endosulfan i									<.05
Endosulfan ii									<.05
Endosulfan sulfate									<.05
Endrin									<.05
Endrin aldehyde									<.05
Ethyl methacrylate									<10
Ethyl methanesulfonate									<8
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur									<.4
Fluoranthene									<8
Fluorene									<8
Gamma-bhc (lindane)									<.05
Heptachlor									<.05
Heptachlor epoxide									<.05
Hexachlorobenzene									<.05

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-7

Constituents	1/5/2023	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
Antimony, total		<2	<2	<2	<2	<1	<1
Arochlor 1016							
Arochlor 1221							
Arochlor 1232							
Arochlor 1242							
Arochlor 1248							
Arochlor 1254							
Arochlor 1260							
Arsenic, total		158.0	275.0	167.0	215.0	608.0	212.0
Azobenzene							
Barium, total		352	321	375	343	643	403
Benzene		<1.0	<1.0	<1.0	<1.0	1.2	<1.0
Benzo(a)anthracene							
Benzo(a)pyrene							
Benzo(b)fluoranthene							
Benzo(g,h,i)perylene							
Benzo(k)fluoranthene							
Benzyl alcohol							
Beryllium, total		<4.0	<4.0	<4.0	<4.0	<.5	<.5
Beta-bhc							
Bis (2-chloroethoxy) methane							
Bis(2-chloroethyl) ether							
Bis(2-chloroisopropyl) ether							
Bis(2-ethylhexyl) phthalate	<6						
Bromochloromethane		<1	<1	<1	<1	<1	<1
Bromodichloromethane		<1	<1	<1	<1	<1	<1
Bromoform		<1	<1	<1	<1	<1	<1
Bromomethane		<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate							
Cadmium, total		<.8	<.8	<.8	<.8	<.2	<.2
Carbon disulfide		<1.0	<1.0	<1.0	<1.0	<1.0	2.8
Carbon tetrachloride		<1	<1	<1	<1	<1	<1
Chlordane							
Chlorobenzene		<1	<1	<1	<1	<1	<1
Chlorobenzilate							
Chloroethane		3.8	1.6	<1.0	1.7	4.5	4.3
Chloroform		<1	<1	<1	<1	<1	<1
Chloromethane		<1	<1	<1	<1	<1	<1
Chloroprene							
Chromium, total		<8.0	<8.0	<8.0	<8.0	1.1	<1.0
Chrysene							
Cis-1,2-dichloroethylene		<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene		<1	<1	<1	<1	<1	<1
Cobalt, total		.6	3.9	.7	3.8	9.5	3.7
Copper, total		<4.0	<4.0	<4.0	<4.0	<5.0	<5.0
Cyanide, total							
Delta-bhc							
Diallate							
Dibenzo(a,h)anthracene							
Dibenzofuran							
Dibromochloromethane		<1	<1	<1	<1	<1	<1
Dibromomethane		<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane							
Dieldrin							
Diethyl phthalate							
Dimethoate							
Dimethylphthalate							
Di-n-butyl phthalate							
Di-n-octyl phthalate							
Dinoseb							
Diphenylamine							
Disulfoton							
Endosulfan i							
Endosulfan ii							
Endosulfan sulfate							
Endrin							
Endrin aldehyde							
Ethyl methacrylate							
Ethyl methanesulfonate							
Ethylbenzene		<1	<1	<1	<1	<1	<1
Famphur							
Fluoranthene							
Fluorene							
Gamma-bhc (lindane)							
Heptachlor							
Heptachlor epoxide							
Hexachlorobenzene							

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-7

Constituents	Units	10/23/2014	4/1/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017	4/24/2018
Hexachlorobutadiene	ug/L							<8	
Hexachlorocyclopentadiene	ug/L							<8	
Hexachloroethane	ug/L							<8	
Hexachloropropene	ug/L							<8	
Indeno(1,2,3-cd)pyrene	ug/L							<8	
Isobutanol	ug/L							<1000	
Isodrin	ug/L							<8	
Isophorone	ug/L							<8	
Isosafrole	ug/L							<8	
Kepone	ug/L							<8	
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	ug/L							<.5	
Methacrylonitrile	ug/L							<1	
Methapyrilene	ug/L							<8	
Methoxychlor	ug/L							<.05	
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L							<1	
Methyl methanesulfonate	ug/L							<8	
Methyl parathion	ug/L							<.4	
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L							<8	
Nickel, total	ug/L	17.4	8.3	8.2	<4.0	4.7	<4.0	<4.0	<4.0
Nitrobenzene	ug/L							<8	
N-nitrosodiethylamine	ug/L							<8	
N-nitrosodimethylamine	ug/L							<8	
N-nitrosodi-n-butylamine	ug/L							<8	
N-nitroso-di-n-propylamine	ug/L							<8	
N-nitrosodiphenylamine	ug/L							<8	
N-nitrosomethylethylamine	ug/L							<8	
N-nitrosopiperidine	ug/L							<8	
N-nitrosopyrrolidine	ug/L							<8	
O,o,o-triethyl phosphorothioate	ug/L							<.4	
O-toluidine	ug/L							<8	
Parathion	ug/L							<.4	
P-dimethylaminoazobenzene	ug/L							<8	
Pentachlorobenzene	ug/L							<8	
Pentachloronitrobenzene (pcnb)	ug/L							<8	
Pentachlorophenol	ug/L							<8	
Phenacetin	ug/L							<8	
Phenanthrene	ug/L							<8	
Phenol	ug/L							<8	
Phorate	ug/L							<.4	
Pronamide	ug/L							<8	
Propionitrile	ug/L							<10	
Pyrene	ug/L							<8	
Safrole	ug/L							<8	
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	57	73						
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L							<.1	
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Thionazin	ug/L							<.4	
Tin, total	ug/L							<20	
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L							<.2	
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1.0	<1.0	<1.0	<1.0	1.9	<1.0	<1.0	<1.0
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	<8.0	<20.0	<8.0	<8.0	<8.0	<8.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-7

Constituents	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/1/2020	4/8/2021	10/29/2021	4/25/2022	10/17/2022
Hexachlorobutadiene									<8
Hexachlorocyclopentadiene									<8
Hexachloroethane									<8
Hexachloropropene									<8
Indeno(1,2,3-cd)pyrene									<8
Isobutanol									<1000
Isodrin									<8
Isophorone									<8
Isosafrole									<8
Kepone									<8
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total									<.5
Methacrylonitrile									<1
Methapyrilene									<8
Methoxychlor									<.05
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<2
Methyl methacrylate									<1
Methyl methanesulfonate									<8
Methyl parathion									<.4
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene									<8
Nickel, total	<4.0	18.2	<4.0	4.3	8.4	8.0	<4.0	<4.0	5.9
Nitrobenzene									<8
N-nitrosodiethylamine									<8
N-nitrosodimethylamine									<8
N-nitrosodi-n-butylamine									<8
N-nitroso-di-n-propylamine									<8
N-nitrosodiphenylamine									<8
N-nitrosomethylethylamine									<8
N-nitrosopiperidine									<8
N-nitrosopyrrolidine									<8
O,o,o-triethyl phosphorothioate									<.4
O-toluidine									<8
Parathion									<.4
P-dimethylaminoazobenzene									<8
Pentachlorobenzene									<8
Pentachloronitrobenzene (pcnb)									<8
Pentachlorophenol									<8
Phenacetin									<8
Phenanthrene									<8
Phenol									<8
Phorate									<.4
Pronamide									<8
Propionitrile									<10
Pyrene									<8
Safrole									<8
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total									<.1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin									<.4
Tin, total									<20
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene									<.2
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<8.0	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-7

Constituents	1/5/2023	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
Hexachlorobutadiene							
Hexachlorocyclopentadiene							
Hexachloroethane							
Hexachloropropene							
Indeno(1,2,3-cd)pyrene							
Isobutanol							
Isodrin							
Isophorone							
Isosafrole							
Kepone							
Lead, total		<4	<4	<4	<4	<1	<1
Mercury, total							
Methacrylonitrile							
Methapyrilene							
Methoxychlor							
Methyl iodide		<1	<1	<1	<1	<1	<1
Methyl methacrylate							
Methyl methanesulfonate							
Methyl parathion							
Methylene chloride		<5	<5	<5	<5	<5	<5
Naphthalene							
Nickel, total		4.7	5.9	<4.0	7.4	18.8	7.0
Nitrobenzene							
N-nitrosodiethylamine							
N-nitrosodimethylamine							
N-nitrosodi-n-butylamine							
N-nitroso-di-n-propylamine							
N-nitrosodiphenylamine							
N-nitrosomethylethylamine							
N-nitrosopiperidine							
N-nitrosopyrrolidine							
O,o,o-triethyl phosphorothioate							
O-toluidine							
Parathion							
P-dimethylaminoazobenzene							
Pentachlorobenzene							
Pentachloronitrobenzene (pcnb)							
Pentachlorophenol							
Phenacetin							
Phenanthrene							
Phenol							
Phorate							
Pronamide							
Propionitrile							
Pyrene							
Safrole							
Selenium, total		<4	<4	<4	<4	<2	<2
Silver, total		<4	<4	<4	<4	<5	<5
Solids, total suspended							
Styrene		<1	<1	<1	<1	<1	<1
Sulfide, total							
Tetrachloroethylene		<1	<1	<1	<1	<1	<1
Thallium, total		<2.0	<2.0	<2.0	<2.0	<.5	<.5
Thionazin							
Tin, total							
Toluene		<1	<1	<1	<1	<1	<1
Toxaphene							
Trans-1,2-dichloroethylene		<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene		<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene		<5	<5	<5	<5	<5	<5
Trichloroethylene		<1	<1	<1	<1	<1	<1
Trichlorofluoromethane		<1	<1	<1	<1	<1	<1
Vanadium, total		<20.0	<20.0	<20.0	<20.0	3.1	<2.0
Vinyl acetate		<5	<5	<5	<5	<5	<5
Vinyl chloride		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, total		<2	<2	<2	<2	<2	<2
Zinc, total		<20.0	<20.0	<20.0	<20.0	<5.0	18.6

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-9

Constituents	Units	10/23/2014	4/1/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017	4/24/2018
(3,4)-methylphenol	ug/L								<8
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<1.0
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L								<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L								<8
1,2,4-trichlorobenzene	ug/L								<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L								<8
1,3,5-trinitrobenzene	ug/L								<8
1,3-dichlorobenzene	ug/L								<1
1,3-dichloropropane	ug/L								<1
1,3-dinitrobenzene	ug/L								<8
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	ug/L								<8
1,4-phenylenediamine	ug/L								<8
1-naphthylamine	ug/L								<8
2,2-dichloropropane	ug/L								<1
2,3,4,6-tetrachlorophenol	ug/L								<8
2,4,5-t	ug/L								<5
2,4,5-tp (silvex)	ug/L								<5
2,4,5-trichlorophenol	ug/L								<8
2,4,6-trichlorophenol	ug/L								<8
2,4-d	ug/L								<2
2,4-dichlorophenol	ug/L								<8
2,4-dimethylphenol	ug/L								<8
2,4-dinitrophenol	ug/L								<8
2,4-dinitrotoluene	ug/L								<8
2,6-dichlorophenol	ug/L								<8
2,6-dinitrotoluene	ug/L								<8
2-acetylaminofluorene	ug/L								<8
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L								<8
2-chlorophenol	ug/L								<8
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L								<8
2-methylphenol	ug/L								<8
2-naphthylamine	ug/L								<8
2-nitroaniline	ug/L								<8
2-nitrophenol	ug/L								<8
3,3'-dichlorobenzidine	ug/L								<8
3,3'-dimethylbenzidine	ug/L								<8
3-methylcholanthrene	ug/L								<8
3-nitroaniline	ug/L								<8
4,4'-ddd	ug/L								<.05
4,4'-dde	ug/L								<.05
4,4'-ddt	ug/L								<.05
4,6-dinitro-2-methylphenol	ug/L								<8
4-aminobiphenyl	ug/L								<8
4-bromophenyl phenyl ether	ug/L								<8
4-chloro-3-methylphenol	ug/L								<8
4-chloroaniline	ug/L								<8
4-chlorophenyl phenyl ether	ug/L								<8
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L								<8
4-nitrophenol	ug/L								<8
5-nitro-o-toluidine	ug/L								<8
7,12-dimethylbenz(a)anthracene	ug/L								<8
Acenaphthene	ug/L								<8
Acenaphthylene	ug/L								<8
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	ug/L								<10
Acetophenone	ug/L								<8
Acrolein	ug/L								<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L								<.05
Allyl chloride	ug/L								<1
Alpha-bhc	ug/L								<.05
Anthracene	ug/L								<8

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-9

Constituents	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/1/2020	4/8/2021	10/29/2021	4/25/2022	10/17/2022
(3,4)-methylphenol		<8							
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene		<1							
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene		<8							
1,2,4-trichlorobenzene		<1							
1,2-dibromo-3-chloropropane	<1	<1	<1	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene		<8							
1,3,5-trinitrobenzene		<8							
1,3-dichlorobenzene		<1							
1,3-dichloropropane		<1							
1,3-dinitrobenzene		<8							
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone		<8							
1,4-phenylenediamine		<8							
1-naphthylamine		<8							
2,2-dichloropropane		<1							
2,3,4,6-tetrachlorophenol		<8							
2,4,5-t		<5							
2,4,5-tp (silvex)		<5							
2,4,5-trichlorophenol		<8							
2,4,6-trichlorophenol		<8							
2,4-d		<2							
2,4-dichlorophenol		<8							
2,4-dimethylphenol		<8							
2,4-dinitrophenol		<8							
2,4-dinitrotoluene		<8							
2,6-dichlorophenol		<8							
2,6-dinitrotoluene		<8							
2-acetylaminofluorene		<8							
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<10	<10
2-chloronaphthalene		<8							
2-chlorophenol		<8							
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene		<8							
2-methylphenol		<8							
2-naphthylamine		<8							
2-nitroaniline		<8							
2-nitrophenol		<8							
3,3'-dichlorobenzidine		<8							
3,3'-dimethylbenzidine		<8							
3-methylcholanthrene		<8							
3-nitroaniline		<8							
4,4'-ddd		<.05							
4,4'-dde		<.05							
4,4'-ddt		<.05							
4,6-dinitro-2-methylphenol		<8							
4-aminobiphenyl		<8							
4-bromophenyl phenyl ether		<8							
4-chloro-3-methylphenol		<8							
4-chloroaniline		<8							
4-chlorophenyl phenyl ether		<8							
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline		<8							
4-nitrophenol		<8							
5-nitro-o-toluidine		<8							
7,12-dimethylbenz(a)anthracene		<8							
Acenaphthene		<8							
Acenaphthylene		<8							
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile		<10							
Acetophenone		<8							
Acrolein		<10							
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin		<.05							
Allyl chloride		<1							
Alpha-bhc		<.05							
Anthracene		<8							

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-9

Constituents	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
(3,4)-methylphenol			<8			
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1.0	1.2	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1
1,1-dichloropropene			<1			
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene			<8			
1,2,4-trichlorobenzene			<1			
1,2-dibromo-3-chloropropane	<5	<5	<1	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene			<8			
1,3,5-trinitrobenzene			<8			
1,3-dichlorobenzene			<1			
1,3-dichloropropane			<1			
1,3-dinitrobenzene			<8			
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone			<8			
1,4-phenylenediamine			<8			
1-naphthylamine			<8			
2,2-dichloropropane			<1			
2,3,4,6-tetrachlorophenol			<8			
2,4,5-t			<5			
2,4,5-tp (silvex)			<5			
2,4,5-trichlorophenol			<8			
2,4,6-trichlorophenol			<8			
2,4-d			<2			
2,4-dichlorophenol			<8			
2,4-dimethylphenol			<8			
2,4-dinitrophenol			<8			
2,4-dinitrotoluene			<8			
2,6-dichlorophenol			<8			
2,6-dinitrotoluene			<8			
2-acetylaminofluorene			<8			
2-butanone (mek)	<10	<10	<5	<10	<10	<10
2-chloronaphthalene			<8			
2-chlorophenol			<8			
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5
2-methylnaphthalene			<8			
2-methylphenol			<8			
2-naphthylamine			<8			
2-nitroaniline			<8			
2-nitrophenol			<8			
3,3'-dichlorobenzidine			<8			
3,3'-dimethylbenzidine			<8			
3-methylcholanthrene			<8			
3-nitroaniline			<8			
4,4'-ddd			<.05			
4,4'-dde			<.05			
4,4'-ddt			<.05			
4,6-dinitro-2-methylphenol			<8			
4-aminobiphenyl			<8			
4-bromophenyl phenyl ether			<8			
4-chloro-3-methylphenol			<8			
4-chloroaniline			<8			
4-chlorophenyl phenyl ether			<8			
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5
4-nitroaniline			<8			
4-nitrophenol			<8			
5-nitro-o-toluidine			<8			
7,12-dimethylbenz(a)anthracene			<8			
Acenaphthene			<8			
Acenaphthylene			<8			
Acetone	<10	<10	<10	<10	<10	<10
Acetonitrile			<10			
Acetophenone			<8			
Acrolein			<10			
Acrylonitrile	<5	<5	<5	<5	<5	<5
Aldrin			<.05			
Allyl chloride			<1			
Alpha-bhc			<.05			
Anthracene			<8			

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-9

Constituents	Units	10/23/2014	4/1/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017	4/24/2018
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L								<.1
Arochlor 1221	ug/L								<.2
Arochlor 1232	ug/L								<.2
Arochlor 1242	ug/L								<.2
Arochlor 1248	ug/L								<.2
Arochlor 1254	ug/L								<.1
Arochlor 1260	ug/L								<.1
Arsenic, total	ug/L	<4.0	<4.0	5.8	<4.0	12.3	<4.0	<4.0	<4.0
Azobenzene	ug/L								<.8
Barium, total	ug/L	142	150	156	118	228	148	246	192
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L								<.8
Benzo(a)pyrene	ug/L								<.8
Benzo(b)fluoranthene	ug/L								<.8
Benzo(g,h,i)perylene	ug/L								<.8
Benzo(k)fluoranthene	ug/L								<.8
Benzyl alcohol	ug/L								<.8
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L								<.05
Bis (2-chloroethoxy) methane	ug/L								<.8
Bis(2-chloroethyl) ether	ug/L								<.8
Bis(2-chloroisopropyl) ether	ug/L								<.8
Bis(2-ethylhexyl) phthalate	ug/L								<.6
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L								<.8
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L								<.1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L								<.8
Chloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	2.0	<1.0
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L								<1
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene	ug/L								<.8
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.8	7.7	3.9	<.8	12.0	<.8	7.8	2.4
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	4.2	<4.0	<4.0
Cyanide, total	mg/L								<.005
Delta-bhc	ug/L								<.05
Diallate	ug/L								<.8
Dibenzo(a,h)anthracene	ug/L								<.8
Dibenzofuran	ug/L								<.8
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L								<1
Dieldrin	ug/L								<.05
Diethyl phthalate	ug/L								<.8
Dimethoate	ug/L								<.4
Dimethylphthalate	ug/L								<.8
Di-n-butyl phthalate	ug/L								<.8
Di-n-octyl phthalate	ug/L								<.8
Dinoseb	ug/L								<.5
Diphenylamine	ug/L								<.8
Disulfoton	ug/L								<.4
Endosulfan i	ug/L								<.05
Endosulfan ii	ug/L								<.05
Endosulfan sulfate	ug/L								<.05
Endrin	ug/L								<.05
Endrin aldehyde	ug/L								<.05
Ethyl methacrylate	ug/L								<10
Ethyl methanesulfonate	ug/L								<.8
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L								<.4
Fluoranthene	ug/L								<.8
Fluorene	ug/L								<.8
Gamma-bhc (lindane)	ug/L								<.05
Heptachlor	ug/L								<.05
Heptachlor epoxide	ug/L								<.05
Hexachlorobenzene	ug/L								<.05

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-9

Constituents	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/1/2020	4/8/2021	10/29/2021	4/25/2022	10/17/2022
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016		<.1							
Arochlor 1221		<.2							
Arochlor 1232		<.2							
Arochlor 1242		<.2							
Arochlor 1248		<.2							
Arochlor 1254		<.1							
Arochlor 1260		<.1							
Arsenic, total	<4.0	6.1	6.6	39.8	19.0	13.8	5.2	<4.0	45.3
Azobenzene		<8							
Barium, total	181	266	414	302	376	258	284	176	287
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	1
Benzo(a)anthracene		<8							
Benzo(a)pyrene		<8							
Benzo(b)fluoranthene		<8							
Benzo(g,h,i)perylene		<8							
Benzo(k)fluoranthene		<8							
Benzyl alcohol		<8							
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc		<.05							
Bis (2-chloroethoxy) methane		<8							
Bis(2-chloroethyl) ether		<8							
Bis(2-chloroisopropyl) ether		<8							
Bis(2-ethylhexyl) phthalate		<6							
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate		<8							
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane		<.1							
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate		<8							
Chloroethane	<1.0	<1.0	2.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene		<1							
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene		<8							
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	11.3	10.4	16.9	10.2	8.6	7.1	.6	9.5
Copper, total	<4.0	<4.0	<4.0	<4.0	6.4	<4.0	<4.0	<4.0	<4.0
Cyanide, total		<.005							
Delta-bhc		<.05							
Diallate		<8							
Dibenzo(a,h)anthracene		<8							
Dibenzofuran		<8							
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane		<1							
Dieldrin		<.05							
Diethyl phthalate		<8							
Dimethoate		<.4							
Dimethylphthalate		<8							
Di-n-butyl phthalate		<8							
Di-n-octyl phthalate		<8							
Dinoseb		<.5							
Diphenylamine		<8							
Disulfoton		<.4							
Endosulfan i		<.05							
Endosulfan ii		<.05							
Endosulfan sulfate		<.05							
Endrin		<.05							
Endrin aldehyde		<.05							
Ethyl methacrylate		<10							
Ethyl methanesulfonate		<8							
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur		<.4							
Fluoranthene		<8							
Fluorene		<8							
Gamma-bhc (lindane)		<.05							
Heptachlor		<.05							
Heptachlor epoxide		<.05							
Hexachlorobenzene		<.05							

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-9

Constituents	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
Antimony, total	<2	<2	<2	<2	<1	<1
Arochlor 1016			<2			
Arochlor 1221			<2			
Arochlor 1232			<2			
Arochlor 1242			<2			
Arochlor 1248			<2			
Arochlor 1254			<2			
Arochlor 1260			<2			
Arsenic, total	82.4	106.0	<4.0	14.3	4.1	5.7
Azobenzene			<8			
Barium, total	247	332	137	185	195	221
Benzene	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene			<8			
Benzo(a)pyrene			<8			
Benzo(b)fluoranthene			<8			
Benzo(g,h,i)perylene			<8			
Benzo(k)fluoranthene			<8			
Benzyl alcohol			<8			
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Beta-bhc			<.05			
Bis (2-chloroethoxy) methane			<8			
Bis(2-chloroethyl) ether			<8			
Bis(2-chloroisopropyl) ether			<8			
Bis(2-ethylhexyl) phthalate			<6			
Bromochloromethane	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate			<8			
Cadmium, total	<.8	<.8	<.8	<.8	<.2	<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Chlordane			<1			
Chlorobenzene	<1	<1	<1	<1	<1	<1
Chlorobenzilate			<8			
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1
Chloroprene			<1			
Chromium, total	<8.0	<8.0	<8.0	<8.0	1.1	<1.0
Chrysene			<8			
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Cobalt, total	9.1	9.6	<.4	6.6	<.5	5.2
Copper, total	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0
Cyanide, total			<.005			
Delta-bhc			<.05			
Diallate			<8			
Dibenzo(a,h)anthracene			<8			
Dibenzofuran			<8			
Dibromochloromethane	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane			<1			
Dieldrin			<.05			
Diethyl phthalate			<8			
Dimethoate			<.4			
Dimethylphthalate			<8			
Di-n-butyl phthalate			<8			
Di-n-octyl phthalate			<8			
Dinoseb			<.5			
Diphenylamine			<8			
Disulfoton			<.4			
Endosulfan i			<.05			
Endosulfan ii			<.05			
Endosulfan sulfate			<.05			
Endrin			<.05			
Endrin aldehyde			<.05			
Ethyl methacrylate			<10			
Ethyl methanesulfonate			<8			
Ethylbenzene	<1	<1	<1	<1	<1	<1
Famphur			<.4			
Fluoranthene			<8			
Fluorene			<8			
Gamma-bhc (lindane)			<.05			
Heptachlor			<.05			
Heptachlor epoxide			<.05			
Hexachlorobenzene			<.05			

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-9

Constituents	Units	10/23/2014	4/1/2015	11/5/2015	4/21/2016	10/17/2016	4/21/2017	10/16/2017	4/24/2018
Hexachlorobutadiene	ug/L								<8
Hexachlorocyclopentadiene	ug/L								<8
Hexachloroethane	ug/L								<8
Hexachloropropene	ug/L								<8
Indeno(1,2,3-cd)pyrene	ug/L								<1000
Isobutanol	ug/L								<1000
Isodrin	ug/L								<8
Isophorone	ug/L								<8
Isosafrole	ug/L								<8
Kepone	ug/L								<8
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	ug/L								<.5
Methacrylonitrile	ug/L								<1
Methapyrilene	ug/L								<8
Methoxychlor	ug/L								<.05
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L								<1
Methyl methanesulfonate	ug/L								<8
Methyl parathion	ug/L								<.4
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L								<8
Nickel, total	ug/L	14.4	16.5	14.6	4.3	16.1	7.7	12.3	11.3
Nitrobenzene	ug/L								<8
N-nitrosodiethylamine	ug/L								<8
N-nitrosodimethylamine	ug/L								<8
N-nitrosodi-n-butylamine	ug/L								<8
N-nitroso-di-n-propylamine	ug/L								<8
N-nitrosodiphenylamine	ug/L								<8
N-nitrosomethylethylamine	ug/L								<8
N-nitrosopiperidine	ug/L								<8
N-nitrosopyrrolidine	ug/L								<8
O,o,o-triethyl phosphorothioate	ug/L								<.4
O-toluidine	ug/L								<8
Parathion	ug/L								<.4
P-dimethylaminoazobenzene	ug/L								<8
Pentachlorobenzene	ug/L								<8
Pentachloronitrobenzene (pcnb)	ug/L								<8
Pentachlorophenol	ug/L								<8
Phenacetin	ug/L								<8
Phenanthrene	ug/L								<8
Phenol	ug/L								<8
Phorate	ug/L								<.4
Pronamide	ug/L								<8
Propionitrile	ug/L								<10
Pyrene	ug/L								<8
Safrole	ug/L								<8
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	8	7						
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L								<.1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Thionazin	ug/L								<.4
Tin, total	ug/L								<20
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L								<.2
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	<8.0	<20.0	<8.0	<8.0	<8.0	<8.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-9

Constituents	10/25/2018	4/15/2019	10/7/2019	4/22/2020	10/1/2020	4/8/2021	10/29/2021	4/25/2022	10/17/2022
Hexachlorobutadiene		<8							
Hexachlorocyclopentadiene		<8							
Hexachloroethane		<8							
Hexachloropropene		<8							
Indeno(1,2,3-cd)pyrene		<8							
Isobutanol		<1000							
Isodrin		<8							
Isophorone		<8							
Isosafrole		<8							
Kepone		<8							
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total		<.5							
Methacrylonitrile		<1							
Methapyriline		<8							
Methoxychlor		<.05							
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate		<1							
Methyl methanesulfonate		<8							
Methyl parathion		<.4							
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene		<8							
Nickel, total	5.9	12.6	22.6	20.4	22.3	18.6	15.1	6.2	16.1
Nitrobenzene		<8							
N-nitrosodiethylamine		<8							
N-nitrosodimethylamine		<8							
N-nitrosodi-n-butylamine		<8							
N-nitroso-di-n-propylamine		<8							
N-nitrosodiphenylamine		<8							
N-nitrosomethylethylamine		<8							
N-nitrosopiperidine		<8							
N-nitrosopyrrolidine		<8							
O,o,o-triethyl phosphorothioate		<.4							
O-toluidine		<8							
Parathion		<.4							
P-dimethylaminoazobenzene		<8							
Pentachlorobenzene		<8							
Pentachloronitrobenzene (pcnb)		<8							
Pentachlorophenol		<8							
Phenacetin		<8							
Phenanthrene		<8							
Phenol		<8							
Phorate		<.4							
Pronamide		<8							
Propionitrile		<10							
Pyrene		<8							
Safrole		<8							
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total		<.1							
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin		<.4							
Tin, total		<20							
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene		<.2							
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<8.0	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-9

Constituents	4/10/2023	10/27/2023	4/2/2024	10/10/2024	4/15/2025	10/16/2025
Hexachlorobutadiene			<8			
Hexachlorocyclopentadiene			<8			
Hexachloroethane			<8			
Hexachloropropene			<8			
Indeno(1,2,3-cd)pyrene			<8			
Isobutanol			<1000			
Isodrin			<8			
Isophorone			<8			
Isosafrole			<8			
Kepone			<8			
Lead, total	<4	<4	<4	<4	<1	<1
Mercury, total			<.5			
Methacrylonitrile			<1			
Methapyrilene			<8			
Methoxychlor			<.05			
Methyl iodide	<1	<1	<2	<1	<1	<1
Methyl methacrylate			<1			
Methyl methanesulfonate			<8			
Methyl parathion			<.4			
Methylene chloride	<5	<5	<5	<5	<5	<5
Naphthalene			<8			
Nickel, total	15.3	19.6	19.7	16.1	6.7	19.6
Nitrobenzene			<8			
N-nitrosodiethylamine			<8			
N-nitrosodimethylamine			<8			
N-nitrosodi-n-butylamine			<8			
N-nitroso-di-n-propylamine			<8			
N-nitrosodiphenylamine			<8			
N-nitrosomethylethylamine			<8			
N-nitrosopiperidine			<8			
N-nitrosopyrrolidine			<8			
O,o,o-triethyl phosphorothioate			<.4			
O-toluidine			<8			
Parathion			<.4			
P-dimethylaminoazobenzene			<8			
Pentachlorobenzene			<8			
Pentachloronitrobenzene (pcnb)			<8			
Pentachlorophenol			<8			
Phenacetin			<8			
Phenanthrene			<8			
Phenol			<8			
Phorate			<.4			
Pronamide			<8			
Propionitrile			<10			
Pyrene			<8			
Safrole			<8			
Selenium, total	<4	<4	<4	<4	<2	<2
Silver, total	<4	<4	<4	<4	<5	<5
Solids, total suspended						
Styrene	<1	<1	<1	<1	<1	<1
Sulfide, total			<.3			
Tetrachloroethylene	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Thionazin			<.4			
Tin, total			<20			
Toluene	<1	<1	<1	<1	<1	<1
Toxaphene			<.2			
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<5.0	5.1

* - The displayed value is the arithmetic mean of multiple database matches.

Table 10 – Historic SSI and SSL

Table 10
Historic SSI & SSL
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

KEY:	SSI	SSL LCL>GWPS	SSL UCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	95% LCL (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)
MW 7	Arsenic	4/21/2016	146	96.291	288.709	89.3
MW 7	Arsenic	10/17/2016	165	108.91	210.090	89.3
MW 7	Arsenic	4/21/2017	197	144.223	217.277	89.3
MW 7	Arsenic	10/16/2017	115	115.327	196.173	89.3
MW 7	Arsenic	4/24/2018	<4.0	19.242	220.258	89.3
MW 7	Arsenic	10/25/2018	36.6	0.000	189.853	89.3
MW 7	Arsenic	4/15/2019	457	0.000	397.711	89.3
MW 7	Arsenic	10/7/2019	33.5	0.000	387.585	89.3
MW 7	Arsenic	4/22/2020	88.8	0.000	393.471	89.3
MW 7	Arsenic	10/1/2020	306	0.000	452.183	89.3
MW 7	Arsenic	4/8/2021	181	12.165	292.485	89.3
MW 7	Arsenic	10/29/2021	117	59.603	286.797	89.3
MW 7	Arsenic	4/25/2022	104	68.369	285.631	89.3
MW 7	Arsenic	10/17/2022	255	82.814	245.686	89.3
MW 7	Arsenic	4/10/2023	158	78.130	238.870	89.3
MW 7	Arsenic	10/27/2023	275	102.888	293.112	89.3
MW 7	Arsenic	4/2/2024	167	143.347	284.153	89.3
MW 7	Arsenic	10/10/2024	215	140.599	266.901	89.3
MW 7	Arsenic	4/15/2025	608	81.634	550.866	89.3
MW 7	Arsenic	10/6/2025	212	57.982	543.018	89.3

Table 10
Historic SSI & SSL (Confidence Interval)
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

KEY:	SSI

SSL LCL>GWPS	SSL UCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)
MW 7A	Arsenic	4/21/2016	<4.0	89.3	1.301	12.699	89.3
MW 7A	Arsenic	10/17/2016	<4.0	89.3	0.989	5.911	89.3
MW 7A	Arsenic	4/21/2017	<4.0	89.3	2	2	89.3
MW 7A	Arsenic	10/16/2017	<4.0	89.3	2	2	89.3
MW 7A	Arsenic	4/24/2018	<4.0	89.3	2	2	89.3
MW 7A	Arsenic	10/25/2018	4.4	89.3	1.561	3.639	89.3
MW 7A	Arsenic	4/15/2019	4.3	89.3	2.000	4.351	89.3
MW 7A	Arsenic	10/7/2019	20.0	89.3	0.495	14.855	89.3
MW 7A	Arsenic	4/22/2020	14.2	89.3	3.347	18.103	89.3
MW 7A	Arsenic	10/1/2020	13.8	89.3	5.225	20.925	89.3
MW 7A	Arsenic	4/8/2021	9.5	89.3	10.641	18.109	89.3
MW 7A	Arsenic	10/29/2021	7.9	89.3	8.637	14.063	89.3
MW 7A	Arsenic	4/25/2022	4.5	89.3	5.581	12.269	89.3
MW 7A	Arsenic	10/17/2022	14.1	89.3	5.546	12.454	89.3
MW 7A	Arsenic	4/10/2023	9.1	89.3	5.581	12.269	89.3
MW 7A	Arsenic	10/27/2023	11.2	89.3	5.546	12.454	89.3
MW 7A	Arsenic	4/2/2024	4.5	89.3	6.220	13.225	89.3
MW 7A	Arsenic	10/10/2024	6.7	89.3	5.359	10.391	89.3
MW 7A	Arsenic	4/15/2025	3.0	89.3	3.256	9.444	89.3
MW 7A	Arsenic	10/6/2025	6.1	89.3	3.632	6.518	89.3

Bold GWPS = A Site Specific GWPS that is equal to the Prediction Limit. All other GWPS are IAC 567-137 Statewide Standards for Protected Groundwater.

Table 10
Historic SSI & SSL
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

KEY:	SSI

SSL LCL>GWPS	SSL UCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)
MW 7B	Arsenic	4/21/2016	4,110.00	89.3	1,198.03	3,774.47	89.3
MW 7B	Arsenic	10/17/2016	70.8	89.3	172.876	3,130.02	89.3
MW 7B	Arsenic	1/9/2017	230	89.3	0.000	3,065.42	89.3
MW 7B	Arsenic	4/21/2017	20.4	89.3	0.000	2,808.15	89.3
MW 7B	Arsenic	10/16/2017	64.4	89.3	19.524	194.609	89.3
MW 7B	Arsenic	4/24/2018	43.9	89.3	7.176	172.174	89.3
MW 7B	Arsenic	10/25/2018	9.1	89.3	11.624	57.276	89.3
MW 7B	Arsenic	4/15/2019	62.2	89.3	22.752	67.048	89.3
MW 7B	Arsenic	10/7/2019	81.1	89.3	22.511	75.639	89.3
MW 7B	Arsenic	4/22/2020	58.6	89.3	22.270	83.229	89.3
MW 7B	Arsenic	10/1/2020	132	89.3	74.025	92.925	89.3
MW 7B	Arsenic	4/8/2021	117	89.3	68.225	126.124	89.3
MW 7B	Arsenic	10/29/2021	39.5	89.3	48.085	125.465	89.3
MW 7B	Arsenic	4/25/2022	92.8	89.3	60.190	130.459	89.3
MW 7B	Arsenic	10/17/2022	23.5	89.3	30.009	106.306	89.3
MW 7B	Arsenic	4/10/2023	77.2	89.3	30.036	86.142	89.3
MW 7B	Arsenic	10/27/2023	1130	89.3	0.000	792.966	89.3
MW 7B	Arsenic	4/2/2024	107	89.3	0.000	794.724	89.3
MW 7B	Arsenic	10/10/2024	673	89.3	60.911	932.689	89.3
MW 7B	Arsenic	4/15/2025	162	89.3	101.399	943.601	89.3
MW 7B	Arsenic	10/6/2025	1640	89.3	30.370	1260.630	89.3

Bold GWPS = A Site Specific GWPS that is equal to the Prediction Limit. All other GWPS are IAC 567-137 Statewide Standards for Protected Groundwater.

Table 10
Historic SSI & SSL
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

KEY:	SSI

SSL LCL>GWPS	SSL UCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)
MW 13R	Arsenic	4/21/2016	299	89.3	10.575	265.775	89.3
MW 13R	Arsenic	10/17/2016	143	89.3	31.337	273.513	89.3
MW 13R	Arsenic	4/21/2017	156	89.3	50.209	280.641	89.3
MW 13R	Arsenic	10/16/2017	179	89.3	110.261	278.239	89.3
MW 13R	Arsenic	4/24/2018	105	89.3	109.312	182.188	89.3
MW 13R	Arsenic	10/25/2018	75.3	89.3	73.283	184.367	89.3
MW 13R	Arsenic	4/15/2019	145	89.3	72.680	179.470	89.3
MW 13R	Arsenic	10/7/2019	72.2	89.3	59.593	139.157	89.3
MW 13R	Arsenic	4/22/2020	506	89.3	0.000	443.113	89.3
MW 13R	Arsenic	10/1/2020	140	89.3	0.000	446.700	89.3
MW 13R	Arsenic	4/8/2021	118	89.3	0.000	444.274	89.3
MW 13R	Arsenic	10/29/2021	161	89.3	14.806	447.694	89.3
MW 13R	Arsenic	4/25/2022	252	89.3	98.529	236.971	89.3
MW 13R	Arsenic	10/17/2022	124	89.3	91.020	236.480	89.3
MW 13R	Arsenic	4/10/2023	193	89.3	118.701	246.299	89.3
MW 13R	Arsenic	10/27/2023	82.7	89.3	74.926	250.924	89.3
MW 13R	Arsenic	4/2/2024	88.7	89.3	62.513	181.687	89.3
MW 13R	Arsenic	10/10/2024	192	89.3	66.510	211.690	89.3
MW 13R	Arsenic	4/15/2025	183	89.3	67.270	205.930	89.3
MW 13R	Arsenic	10/6/2025	209	89.3	104.574	231.776	89.3

Table 10
Historic SSI & SSL
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

KEY:	SSI

SSL LCL>GWPS	SSL UCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)
MW 13R	Cobalt	4/21/2016	20	34.1	8.131	22.869	34.1
MW 13R	Cobalt	10/17/2016	16.3	34.1	8.519	23.231	34.1
MW 13R	Cobalt	4/21/2017	15.6	34.1	8.175	21.225	34.1
MW 13R	Cobalt	10/16/2017	14.7	12.4	13.912	19.388	12.4
MW 13R	Cobalt	4/24/2018	14.9	12.4	14.519	16.231	12.4
MW 13R	Cobalt	10/25/2018	5.6	12.4	7.114	18.286	12.4
MW 13R	Cobalt	4/15/2019	13.5	12.4	6.968	17.382	12.4
MW 13R	Cobalt	10/7/2019	10.4	12.4	6.253	15.947	12.4
MW 13R	Cobalt	4/22/2020	18.7	12.4	5.584	18.516	12.4
MW 13R	Cobalt	10/1/2020	8.5	7.8	7.534	18.016	12.4
MW 13R	Cobalt	4/8/2021	9.3	7.8	6.179	17.271	12.4
MW 13R	Cobalt	10/29/2021	6.9	7.8	4.583	17.117	12.4
MW 13R	Cobalt	4/25/2022	8.5	12.4	7.116	9.484	12.4
MW 13R	Cobalt	10/17/2022	8.8	12.4	7.155	9.595	12.4
MW 13R	Cobalt	4/10/2023	4.3	12.4	4.702	9.548	12.4
MW 13R	Cobalt	10/27/2023	9.0	12.4	5.012	10.288	12.4
MW 13R	Cobalt	4/2/2024	4.6	12.4	3.684	9.702	12.4
MW 13R	Cobalt	10/10/2024	3.6	12.4	2.490	8.260	12.4
MW 13R	Cobalt	4/15/2025	3.3	12.4	2.017	8.233	12.4
MW 13R	Cobalt	10/6/2025	2.7	12.4	2.616	4.484	12.4

Table 10
Historic SSI & SSL
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

KEY:	SSI

SSL LCL>GWPS	SSL UCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)
MW 13R	Benzene	4/21/2016	7.1	1.0	3.147	8.353	5
MW 13R	Benzene	10/17/2016	7.4	1.0	6.350	7.600	5
MW 13R	Benzene	4/21/2017	6	1.0	6.185	7.665	5
MW 13R	Benzene	10/16/2017	5	1.0	5.085	7.665	5
MW 13R	Benzene	4/24/2018	5	1.0	4.514	7.186	5
MW 13R	Benzene	10/25/2018	5	1.0	4.662	5.838	5
MW 13R	Benzene	4/15/2019	4.9	1.0	4.916	5.034	5
MW 13R	Benzene	10/7/2019	2.5	1.0	2.898	5.802	5
MW 13R	Benzene	4/22/2020	4.6	1.0	2.863	5.637	5
MW 13R	Benzene	10/1/2020	4.2	1.0	2.789	5.311	5
MW 13R	Benzene	4/8/2021	3.6	1.0	2.650	4.800	5
MW 13R	Benzene	10/29/2021	4.0	1.0	3.610	4.590	5
MW 13R	Benzene	4/25/2022	4.9	1.0	3.535	4.815	5
MW 13R	Benzene	10/17/2022	2.6	1.0	2.653	4.897	5
MW 13R	Benzene	4/10/2023	5.1	1.0	2.811	5.489	5
MW 13R	Benzene	10/27/2023	1.1	1.0	1.166	5.684	5
MW 13R	Benzene	4/2/2024	2.1	1.0	0.723	4.727	5
MW 13R	Benzene	10/10/2024	2.8	1.0	0.776	4.774	5
MW 13R	Benzene	4/15/2025	3.1	1.0	1.230	3.320	5
MW 13R	Benzene	10/6/2025	4.2	1.0	2.022	4.078	5

Table 10
Historic SSI & SSL
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

KEY:	SSI

SSL LCL>GWPS	SSL UCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)
MW 14	Cobalt	4/21/2016	1.4	34.1	0.000	48.560	34.1
MW 14	Cobalt	10/17/2016	16.3	34.1	0.000	46.577	34.1
MW 14	Cobalt	4/21/2017	7.7	34.1	0.000	14.999	34.1
MW 14	Cobalt	10/16/2017	16.0	12.4	3.781	18.219	12.4
MW 14	Cobalt	4/24/2018	16.9	12.4	7.889	18.011	12.4
MW 14	Cobalt	10/25/2018	4.2	12.4	5.234	18.916	12.4
MW 14	Cobalt	4/15/2019	27.3	12.4	3.416	26.384	12.4
MW 14	Cobalt	10/7/2019	10.0	12.4	2.918	26.282	12.4
MW 14	Cobalt	4/22/2020	6.9	12.4	0.000	24.341	12.4
MW 14	Cobalt	10/1/2020	11.5	7.8	3.197	24.653	12.4
MW 14	Cobalt	4/8/2021	21.2	7.8	5.141	19.659	12.4
MW 14	Cobalt	10/29/2021	14.4	7.8	6.453	20.547	12.4
MW 14	Cobalt	4/25/2022	13.1	12.4	10.029	20.071	12.4
MW 14	Cobalt	10/17/2022	13.1	12.4	10.884	20.016	12.4
MW 14	Cobalt	4/10/2023	14.8	12.4	12.813	14.887	12.4
MW 14	Cobalt	10/27/2023	16.4	12.4	12.486	16.214	12.4
MW 14	Cobalt	4/2/2024	20.8	12.4	12.389	20.161	12.4
MW 14	Cobalt	10/10/2024	9.9	12.4	10.182	20.768	12.4
MW 14	Cobalt	4/15/2025	14.3	12.4	10.019	20.681	12.4
MW 14	Cobalt	10/6/2025	10.3	12.4	7.877	19.773	12.4

Table 10
Historic SSI & SSL
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

KEY:	SSI	SSL LCL>GWPS	SSL UCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	95% LCL (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)
MW 49A	Cobalt	4/21/2016	14.5	12.096	15.404	34.1
MW 49A	Cobalt	10/17/2016	1.1	3.187	18.863	34.1
MW 49A	Cobalt	4/21/2017	14.9	3.321	19.529	34.1
MW 49A	Cobalt	10/16/2017	5.9	1.15	17.05	12.4
MW 49A	Cobalt	4/24/2018	24.5	0	23.749	12.4
MW 49A	Cobalt	10/25/2018	7.3	3.107	23.193	12.4
MW 49A	Cobalt	4/15/2019	18	3.476	24.347	12.4
MW 49A	Cobalt	10/7/2019	2.7	1.445	24.805	12.4
MW 49A	Cobalt	4/22/2020	19.1	2.297	21.253	12.4
MW 49A	Cobalt	10/1/2020	16.8	5.103	23.197	12.4
MW 49A	Cobalt	4/8/2021	21.0	5.122	24.678	12.4
MW 49A	Cobalt	10/29/2021	2.6	5.039	24.711	12.4
MW 49A	Cobalt	4/25/2022	16.5	4.794	23.656	12.4
MW 49A	Cobalt	10/17/2022	20.3	5.025	25.175	12.4
MW 49A	Cobalt	4/10/2023	20.6	5.031	24.969	12.4
MW 49A	Cobalt	10/27/2023	20.5	17.137	21.813	12.4
MW 49A	Cobalt	4/2/2024	19.9	19.961	20.689	12.4
MW 49A	Cobalt	10/10/2024	10.2	11.829	23.711	12.4
MW 49A	Cobalt	4/15/2025	13.2	9.993	21.907	12.4
MW 49A	Cobalt	10/16/2025	14.8	9.750	19.300	12.4

Table 10
Historic SSI & SSL
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

KEY:	SSI	SSL LCL>GWPS	SSL UCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	95% LCL (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)
MW 49A	vinyl chloride	4/21/2016	<1.0	0.31	1.74	2
MW 49A	vinyl chloride	10/17/2016	<1.0	0.162	1.336	2
MW 49A	vinyl chloride	4/21/2017	<1.0	0.5	0.5	2
MW 49A	vinyl chloride	10/16/2017	1.3	0.229	1.171	2
MW 49A	vinyl chloride	4/24/2018	1.1	0.365	1.335	2
MW 49A	vinyl chloride	10/25/2018	<1.0	0.365	1.335	2
MW 49A	vinyl chloride	4/15/2019	<1.0	0.365	1.335	2
MW 49A	vinyl chloride	10/7/2019	<1.0	0.297	1.003	2
MW 49A	vinyl chloride	4/22/2020	<1.0	0.500	0.500	2
MW 49A	vinyl chloride	10/1/2020	<1.0	0.500	0.500	2
MW 49A	vinyl chloride	4/8/2021	3.2	0.000	2.763	2
MW 49A	vinyl chloride	10/29/2021	5	0.000	4.893	2
MW 49A	vinyl chloride	4/25/2022	3.9	0.897	5.403	2
MW 49A	vinyl chloride	10/17/2022	2.7	2.528	4.872	2
MW 49A	vinyl chloride	4/10/2023	1.6	1.569	5.031	2
MW 49A	vinyl chloride	10/27/2023	1.4	1.045	3.755	2
MW 49A	vinyl chloride	4/2/2024	2.9	1.257	3.043	2
MW 49A	vinyl chloride	10/10/2024	1.8	1.137	2.713	2
MW 49A	vinyl chloride	4/15/2025	4.5	1.019	4.281	2
MW 49A	vinyl chloride	10/16/2025	6.3	1.569	6.181	2

Bold GWPS = A Site Specific GWPS that is equal to the Prediction Limit. All other GWPS are IAC 567-137 Statewide Standards for

Table 11 – Corrective Action Trend Analysis

Table 11
Corrective Action Trend Analysis
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

Monitoring Well	Compound	Sample Date	Current Condition	Trend	N	Projected Year to Completion (IAC 113.10(9)"e"
MW 7	Arsenic	4/21/2016	SSL	static	1	Not Required - Completed Remedy is downgradient - see no SSL at POC MW-7A & 7B
MW 7	Arsenic	10/17/2016	SSL	static	2	Not Required - Completed Remedy is downgradient - see no SSL at POC MW-7A & 7B
MW 7	Arsenic	4/21/2017	SSL	static	3	Not Required - Completed Remedy is downgradient - see no SSL at POC MW-7A & 7B
MW 7	Arsenic	10/16/2017	SSL	static	4	Not Required - Completed Remedy is downgradient - see no SSL at POC MW-7A & 7B
MW 7	Arsenic	4/24/2018	SSL	static	5	Not Required - Completed Remedy is downgradient - see no SSL at POC MW-7A & 7B
MW 7	Arsenic	10/25/2018	SSL	static	6	Not Required - Completed Remedy is downgradient - see no SSL at POC MW-7A & 7B
MW 7	Arsenic	4/15/2019	SSL	static	7	Not Required - Completed Remedy is downgradient - see no SSL at POC MW-7A & 7B
MW 7	Arsenic	10/7/2019	SSL	static	8	Not Required - Completed Remedy is downgradient - see no SSL at POC MW-7A & 7B
MW 7	Arsenic	4/22/2020	SSL	static	9	Not Required - Completed Remedy is downgradient - see no SSL at POC MW-7A & 7B
MW 7	Arsenic	10/1/2020	SSL	static	10	Not Required - Completed Remedy is downgradient - see no SSL at POC MW-7A & 7B
MW 7	Arsenic	4/8/2021	SSL	static	11	Not Required - Completed Remedy is downgradient - see no SSL at POC MW-7A & 7B
MW 7	Arsenic	10/29/2021	SSL	static	12	Not Required - Completed Remedy is downgradient - see no SSL at POC MW-7A & 7B
MW 7	Arsenic	4/25/2022	SSL	static	13	Not Required - Completed Remedy is downgradient - see no SSL at POC MW-7A & 7B
MW 7	Arsenic	10/17/2022	SSL	static	14	Not Required - Completed Remedy is downgradient - see no SSL at POC MW-7A & 7B
MW 7	Arsenic	4/10/2023	SSL	static	15	Not Required - Completed Remedy is downgradient - see no SSL at POC MW-7A & 7B
MW 7	Arsenic	10/27/2023	SSL	static	16	Not Required - Completed Remedy is downgradient - see no SSL at POC MW-7A & 7B
MW 7	Arsenic	4/2/2024	SSL	static	16	Not Required - Completed Remedy is downgradient - see no SSL at POC MW-7A & 7B
MW 7	Arsenic	10/10/2024	SSL	static	16	Not Required - Completed Remedy is downgradient - see no SSL at POC MW-7A & 7B
MW 7	Arsenic	4/15/2025	SSL	static	16	Not Required - Completed Remedy is downgradient - see no SSL at POC MW-7A & 7B
MW 7	Arsenic	10/6/2025	SSL	static	16	Not Required - Completed Remedy is downgradient - see no SSL at POC MW-7A & 7B

Table 11
Corrective Action Trend Analysis
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Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

Monitoring Well	Compound	Sample Date	Current Condition	Trend	N	Projected Year to Completion (IAC 113.10(9)"e"
MW 13R	Arsenic	4/21/2016	SSI	N/A	1	2027
MW 13R	Arsenic	10/17/2016	SSI	N/A	2	2027
MW 13R	Arsenic	4/21/2017	SSI	N/A	3	2027
MW 13R	Arsenic	10/16/2017	SSL	decreasing	4	2018 - Remedial Collection is in place
MW 13R	Arsenic	4/24/2018	SSL	decreasing	5	2018 - Remedial Collection is in place
MW 13R	Arsenic	10/25/2018	SSL	decreasing	6	2018 - Remedial Collection is in place
MW 13R	Arsenic	4/15/2019	SSL	decreasing	7	2018 - Remedial Collection is in place
MW 13R	Arsenic	10/7/2019	SSL	decreasing	8	2018 - Remedial Collection is in place
MW 13R	Arsenic	4/22/2020	SSL	increasing	9	2018 - Remedial Collection is in place
MW 13R	Arsenic	10/1/2020	SSL	increasing	10	2018 - Remedial Collection is in place
MW 13R	Arsenic	4/8/2021	SSL	static	11	2018 - Remedial Collection is in place
MW 13R	Arsenic	10/29/2021	SSL	static	12	2018 - Remedial Collection is in place
MW 13R	Arsenic	4/25/2022	SSL	static	13	2018 - Remedial Collection is in place
MW 13R	Arsenic	10/17/2022	SSL	static	14	2018 - Remedial Collection is in place
MW 13R	Arsenic	4/10/2023	SSL	static	15	2018 - Remedial Collection is in place
MW 13R	Arsenic	10/27/2023	SSL	static	16	2018 - Remedial Collection is in place
MW 13R	Arsenic	4/2/2024	SSL	static	17	2018 - Remedial Collection is in place
MW 13R	Arsenic	10/10/2024	SSL	static	18	2018 - Remedial Collection is in place
MW 13R	Arsenic	4/15/2025	SSL	static	19	2018 - Remedial Collection is in place
MW 13R	Arsenic	10/6/2025	SSL	static	20	2018 - Remedial Collection is in place

Table 11
Corrective Action Trend Analysis
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Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

Monitoring Well	Compound	Sample Date	Current Condition	Trend	N	Projected Year to Completion (IAC 113.10(9)"e"
MW 13R	Cobalt	4/21/2016	No-SSI	N/A	1	2025
MW 13R	Cobalt	10/17/2016	No-SSI	N/A	2	2025
MW 13R	Cobalt	4/21/2017	No-SSI	N/A	3	2025
MW 13R	Cobalt	10/16/2017	SSL	decreasing	4	2018 - Remedial Collection is in place
MW 13R	Cobalt	4/24/2018	SSL	decreasing	5	2018 - Remedial Collection is in place
MW 13R	Cobalt	10/25/2018	SSL	decreasing	6	2018 - Remedial Collection is in place
MW 13R	Cobalt	4/15/2019	SSL	decreasing	7	2018 - Remedial Collection is in place
MW 13R	Cobalt	10/7/2019	SSL	decreasing	8	2018 - Remedial Collection is in place
MW 13R	Cobalt	4/22/2020	SSL	static	9	2018 - Remedial Collection is in place
MW 13R	Cobalt	10/1/2020	SSL	static	10	2018 - Remedial Collection is in place
MW 13R	Cobalt	4/8/2021	SSL	decreasing	11	2018 - Remedial Collection is in place
MW 13R	Cobalt	10/29/2021	SSL	decreasing	12	2018 - Remedial Collection is in place
MW 13R	Cobalt	4/25/2022	No-SSI	decreasing	13	2018 - Remedial Collection is in place
MW 13R	Cobalt	10/17/2022	No-SSI	decreasing	14	2018 - Remedial Collection is in place
MW 13R	Cobalt	4/10/2023	No-SSI	decreasing	15	2018 - Remedial Collection is in place
MW 13R	Cobalt	10/27/2023	No-SSI	decreasing	16	2018 - Remedial Collection is in place
MW 13R	Cobalt	4/2/2024	No-SSI	decreasing	17	2018 - Remedial Collection is in place
MW 13R	Cobalt	10/10/2024	No-SSI	decreasing	18	2018 - Remedial Collection is in place
MW 13R	Cobalt	4/15/2025	No-SSI	decreasing	19	2018 - Remedial Collection is in place
MW 13R	Cobalt	10/6/2025	No-SSI	decreasing	20	2018 - Remedial Collection is in place

Table 11
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Monitoring Well	Compound	Sample Date	Current Condition	Trend	N	Projected Year to Completion (IAC 113.10(9)"e"
MW 13R	Benzene	4/21/2016	SSI	N/A	1	2024
MW 13R	Benzene	10/17/2016	SSL	decreasing	2	2018 - Remedial Collection is in place
MW 13R	Benzene	4/21/2017	SSL	decreasing	3	2018 - Remedial Collection is in place
MW 13R	Benzene	10/16/2017	SSL	decreasing	4	2018 - Remedial Collection is in place
MW 13R	Benzene	4/24/2018	SSL	decreasing	5	2018 - Remedial Collection is in place
MW 13R	Benzene	10/25/2018	SSL	decreasing	6	2018 - Remedial Collection is in place
MW 13R	Benzene	4/15/2019	SSL	decreasing	7	2018 - Remedial Collection is in place
MW 13R	Benzene	10/7/2019	SSL	decreasing	8	2018 - Remedial Collection is in place
MW 13R	Benzene	4/22/2020	SSL	decreasing	9	2018 - Remedial Collection is in place
MW 13R	Benzene	10/1/2020	SSL	decreasing	10	2018 - Remedial Collection is in place
MW 13R	Benzene	4/8/2021	No-SSL	decreasing	11	2018 - Remedial Collection is in place
MW 13R	Benzene	10/29/2021	No-SSL	decreasing	12	2018 - Remedial Collection is in place
MW 13R	Benzene	4/25/2022	No-SSL	decreasing	13	2018 - Remedial Collection is in place
MW 13R	Benzene	10/17/2022	No-SSL	decreasing	14	2018 - Remedial Collection is in place
MW 13R	Benzene	4/10/2023	SSL	decreasing	15	2018 - Remedial Collection is in place
MW 13R	Benzene	10/27/2023	SSL	decreasing	16	2018 - Remedial Collection is in place
MW 13R	Benzene	4/2/2024	No-SSL	decreasing	17	2018 - Remedial Collection is in place
MW 13R	Benzene	10/10/2024	No-SSL	decreasing	18	2018 - Remedial Collection is in place
MW 13R	Benzene	4/15/2025	No-SSL	decreasing	19	2018 - Remedial Collection is in place
MW 13R	Benzene	10/6/2025	No-SSL	decreasing	20	2018 - Remedial Collection is in place

Table 11
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Monitoring Well	Compound	Sample Date	Current Condition	Trend	N	Projected Year to Completion (IAC 113.10(9)"e"
MW 14	Cobalt	4/21/2016	No-SSI	N/A	N/A	N/A
MW 14	Cobalt	10/17/2016	No-SSI	N/A	N/A	N/A
MW 14	Cobalt	4/21/2017	No-SSI	N/A	N/A	N/A
MW 14	Cobalt	10/16/2017	SSI	N/A	N/A	N/A
MW 14	Cobalt	4/24/2018	SSI	N/A	N/A	N/A
MW 14	Cobalt	10/25/2018	No-SSI	N/A	N/A	N/A
MW 14	Cobalt	4/15/2019	SSI	N/A	N/A	N/A
MW 14	Cobalt	10/7/2019	No-SSI	N/A	N/A	N/A
MW 14	Cobalt	4/22/2020	No-SSI	N/A	N/A	N/A
MW 14	Cobalt	10/1/2020	SSI	N/A	N/A	N/A
MW 14	Cobalt	4/8/2021	SSI	N/A	N/A	N/A
MW 14	Cobalt	10/29/2021	SSI	N/A	N/A	N/A
MW 14	Cobalt	4/25/2022	SSI	N/A	N/A	N/A
MW 14	Cobalt	10/17/2022	SSI	N/A	N/A	N/A
MW 14	Cobalt	4/10/2023	SSL	N/A	1	2018 - Remedial Collection is in place
MW 14	Cobalt	10/27/2023	SSL	N/A	2	2018 - Remedial Collection is in place
MW 14	Cobalt	4/2/2024	SSL	N/A	3	2018 - Remedial Collection is in place
MW 14	Cobalt	10/10/2024	SSL	N/A	4	2018 - Remedial Collection is in place
MW 14	Cobalt	4/15/2025	SSL	N/A	5	2018 - Remedial Collection is in place
MW 14	Cobalt	10/6/2025	SSL	N/A	6	2018 - Remedial Collection is in place

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Monitoring Well	Compound	Sample Date	Current Condition	Trend	N	Projected Year to Completion (IAC 113.10(9)"e"
MW 49A	Cobalt	4/21/2016	No-SSI	N/A	N/A	N/A
MW 49A	Cobalt	10/17/2016	No-SSI	N/A	N/A	N/A
MW 49A	Cobalt	4/21/2017	No-SSI	N/A	N/A	N/A
MW 49A	Cobalt	10/16/2017	No-SSI	N/A	N/A	N/A
MW 49A	Cobalt	4/24/2018	SSI	N/A	N/A	N/A
MW 49A	Cobalt	10/25/2018	No-SSI	N/A	N/A	N/A
MW 49A	Cobalt	4/15/2019	SSI	N/A	N/A	N/A
MW 49A	Cobalt	10/7/2019	No-SSI	N/A	N/A	N/A
MW 49A	Cobalt	4/22/2020	SSI	N/A	N/A	N/A
MW 49A	Cobalt	10/1/2020	SSI	N/A	N/A	N/A
MW 49A	Cobalt	4/8/2021	SSI	N/A	N/A	N/A
MW 49A	Cobalt	10/29/2021	SSI	N/A	N/A	N/A
MW 49A	Cobalt	4/25/2022	SSI	N/A	N/A	N/A
MW 49A	Cobalt	10/17/2022	SSI	N/A	N/A	N/A
MW 49A	Cobalt	4/10/2023	SSI	N/A	N/A	N/A
MW 49A	Cobalt	10/27/2023	SSL	N/A	1	1997 - Remedial Collection is in place
MW 49A	Cobalt	4/2/2024	SSL	N/A	2	1997 - Remedial Collection is in place
MW 49A	Cobalt	10/10/2024	SSL	decreasing	3	1997 - Remedial Collection is in place
MW 49A	Cobalt	4/15/2025	SSL	decreasing	4	1997 - Remedial Collection is in place
MW 49A	Cobalt	10/16/2025	SSL	decreasing	5	1997 - Remedial Collection is in place

Table 11
Corrective Action Trend Analysis
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

Monitoring Well	Compound	Sample Date	Current Condition	Trend	N	Projected Year to Completion (IAC 113.10(9)"e"
MW 49A	vinyl chloride	4/21/2016	No-SSI	N/A	N/A	N/A
MW 49A	vinyl chloride	10/17/2016	No-SSI	N/A	N/A	N/A
MW 49A	vinyl chloride	4/21/2017	No-SSI	N/A	N/A	N/A
MW 49A	vinyl chloride	10/16/2017	SSI	N/A	N/A	N/A
MW 49A	vinyl chloride	4/24/2018	SSI	N/A	N/A	N/A
MW 49A	vinyl chloride	10/25/2018	No-SSI	N/A	N/A	N/A
MW 49A	vinyl chloride	4/15/2019	No-SSI	N/A	N/A	N/A
MW 49A	vinyl chloride	10/7/2019	No-SSI	N/A	N/A	N/A
MW 49A	vinyl chloride	4/22/2020	No-SSI	N/A	N/A	N/A
MW 49A	vinyl chloride	10/1/2020	No-SSI	N/A	N/A	N/A
MW 49A	vinyl chloride	4/8/2021	SSI	N/A	N/A	N/A
MW 49A	vinyl chloride	10/29/2021	SSI	N/A	N/A	N/A
MW 49A	vinyl chloride	4/25/2022	SSI	N/A	N/A	N/A
MW 49A	vinyl chloride	10/17/2022	SSL	N/A	1	1997 - Remedial Collection is in place
MW 49A	vinyl chloride	4/10/2023	SSL	decreasing	2	1997 - Remedial Collection is in place
MW 49A	vinyl chloride	10/27/2023	SSL	decreasing	3	1997 - Remedial Collection is in place
MW 49A	vinyl chloride	4/2/2024	SSL	decreasing	4	1997 - Remedial Collection is in place
MW 49A	vinyl chloride	10/10/2024	SSL	decreasing	5	1997 - Remedial Collection is in place
MW 49A	vinyl chloride	4/15/2025	SSL	decreasing	6	1997 - Remedial Collection is in place
MW 49A	vinyl chloride	10/16/2025	SSL	decreasing	7	1997 - Remedial Collection is in place

Bold GWPS = A Site Specific GWPS that is equal to the Prediction Limit. All other GWPS are IAC 567-137 Statewide Standards for Pr

Table 12A – Leachate Levels – Active RCRA Trenches

Table 12A
Leachate Depth - Active Landfill
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

Monitoring Point	Description	Total Depth (Feet)	Dates											
			1-28-25 ⁽¹⁾	FEB ⁽³⁾	MAR ⁽³⁾	4-15-25 ⁽¹⁾	MAY ⁽³⁾	JUNE ⁽³⁾	7-14-25 ⁽¹⁾	AUG ⁽³⁾	SEP ⁽³⁾	10-16-25 ⁽¹⁾	11-24-25 ⁽²⁾	12-19-25 ⁽²⁾
Trench 1 LPZ-101	N. End	7.1	6.82	---	---	6.68	---	---	6.70	---	---	6.60	6.60	6.50
Trench 2 LPZ-102	N. End	8.5	8.00	---	---	7.75	---	---	7.85	---	---	8.00	8.05	7.70
Trench 3 LPZ-301	N. End	8.4	8.40	---	---	8.08	---	---	7.75	---	---	7.40	8.10	8.00

(1) Measurements by HLW.
(2) Measurement by RIWMA.
(3) Measurements could not be located by RIWMA staff.

Table 12B – Leachate Levels – Original Landfill

Table 12B
Leachate Depth - Closed Landfill
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

Monitoring Point	Dates			
	1/28/2025	4/15/2025	7/14/2025	10/16/2025
LW-1	21.3	21.65	22.02	22.02
LW-2	frozen	3.07	2.35	2.1
LW-5	13.22	12.67	11.6	12.5
LW-6	24.55	22.95	23.25	23.65
LW-8	frozen	36.6	35.9	35.1
LW-10	15.6	15.85	14.95	9.8
LW-12	17.6	17.7	16.8	17.4

Measurements by HLW.

Quarterly measurements in accordance with Permit
Amendment 2, 10/31/2024 (Doc #108137).

Table 12C – Groundwater Separation Documentation – Active RCRA
Trenches 2 & 3

Table 12C
Groundwater Separation - Active Area
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

Groundwater Underdrain Piezometer

Well		Date of Measurements	
		4/15/2025	10/16/2025
GPZ - 203 (Trench2)	bottom of waste (feet MSL)	1096	1096
	PVC top	1100.49	1100.49
	depth to water	11.4	11.67
	Elevation water in GPZ (feet MSL)	1089.09	1088.82
	Minimum Separation (ft)	6.91	7.18

dry @ 11.9

Groundwater Underdrain Piezometer

Well		Date of Measurements	
		4/15/2025	10/16/2025
GPZ - 302 (Trench 3)	bottom of waste (feet MSL)	1097	1097
	PVC top	1104.43	1104.43
	depth to water	12.05	12.1
	Elevation water in GPZ (feet MSL)	1092.38	1092.33
	Minimum Separation (ft)	4.62	4.67

dry @ 12.3

Table 13 – Gas Monitoring Summary

TABLE 13
EXPLOSIVE GAS MONITORING RESULTS
ANNUAL WATER QUALITY REPORT
RURAL IOWA SANITARY LANDFILL
IDNR PERMIT NO. 42-SDP-1-72P

	1/28/2025	4/15/2025	7/14/2025	10/16/2025
Reference* Location	Combustible % LEL	Combustible % LEL	Combustible % LEL	Combustible % LEL
GP-1 Telephone Pedestal	0	0	0	0
GP-2 Power Pole Drop Conduit	0	0	0	0
GP-3 Subsurface Gas Probe	0	0	0	0
GP-4 Subsurface Gas Probe	0	0	0	0
GP-5 Subsurface Gas Probe	0	0	0	0
GP-6 Subsurface Gas Probe	OL	6.2	0	17.8
GP-7 Subsurface Gas Probe	0	0	0	0
GP-8 Landfill Vent (W)	47.8	0	0	0
GP-9 Landfill Vent (middle)	OL	OL	OL	OL
GP-10 Landfill Vent (E)	10.1	0	45.2	6.8
GP-11 ACM Cleanout Manhole (West)	0	0	0	0
GP-12 ACM Cleanout Middle	44.2	50.0	OL	OL
GP-13 ACM Cleanout East	24.2	0	4.0	71.2
Perimeter	0	0	0	0
Shop	0	0	0	0

GP = Gas Monitoring Point

OL = Over Limit of 100% LEL

Table 14 – CAMP Passive Vent Monitoring Summary

TABLE 14
CAMP PASSIVE VENT MONITORING RESULTS
ANNUAL WATER QUALITY REPORT
RURAL IOWA SANITARY LANDFILL
IDNR PERMIT NO. 42-SDP-1-72P

	1/28/2025	4/15/2025	7/14/2025	10/16/2025
Reference* Location	Combustible % LEL	Combustible % LEL	Combustible % LEL	Combustible % LEL
Vent 1 (west)	DNE	DNE	OL	OL
Vent 2	DNE	DNE	OL	30.7
Vent 3	DNE	DNE	OL	OL
Vent 4	DNE	DNE	OL	OL
Vent 5	DNE	DNE	30.6	19.0
Vent 6 (east)	DNE	DNE	70.2	0

DNE = Did Not Exist

OL = Over Limit of 100% LEL

Appendix A

Field Sampling Forms

RURAL IOWA SANITARY LANDFILL
PERMIT # 42-SDP-1-72P

4/15/2025

Sampled by: Glenn Hunter

Weather conditions: : sunny, wind, 43-60 degrees

IDNR Form 542-1322

Monitoring Well: MW-7 (dg)

Primary Sampling Method:
Secondary Sampling Method:

No-Purge for Appendix I
Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1109.64
Well Depth	25.00
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1109.64
Well Depth	25.30
Top Screen	1089.64
Bottom Screen	1084.64
Bottom Well	1084.64
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	19.00
Top sample	1090.64
Bottom sample	1086.64
Turbidity(NTU)	63.00

Date	Time	Water Level	Water Elevation	Notes
4/15/2025	12:30	17.9	1091.74	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		63.00
Appendix I	Metals	150	150		63.00
Appendix I	VOC	240	240		63.00
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1109.64	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	25.00	Before purging	4/15/2025	12:30	17.90	1091.74		0.0	
		After purging				1109.64			
		Top of Screen 1990				1089.64			
						2.10	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1084.64			
		Bottom of Well	4/15/2025		25.30	1084.34			
						-0.30	feet sedimentation		
		Before Sampling				1109.64			
		Recovery				1109.64			
		Recovery				1109.64			
		Recovery				1109.64			
		Recovery				1109.64			

IDNR Form 542-1322

Monitoring Well: MW-7A (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1105.29
Well Depth	22.90
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1105.29
Well Depth	22.90
Top Screen	1092.39
Bottom Screen	1082.64
Bottom Well	1082.64
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	16.00
Top sample	1089.29
Bottom sample	1085.29
Turbidity(NTU)	9.14

Date	Time	Water Level	Water Elevation	Notes
4/15/2025	11:52	13.71	1091.58	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		9.14
Appendix I	Metals	150	150		9.14
Appendix I	VOC	240	240		9.14
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1105.29	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	22.90	Before purging	4/15/2025	11:52	13.71	1091.58		0.0	
		After purging				1105.29			
		Top of Screen 1990				1092.39			
						-0.81	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1082.39			
		Bottom of Well	4/15/2025		22.80	1082.49			
						0.10	feet sedimentation		
		Before Sampling				1105.29			
		Recovery				1105.29			
		Recovery				1105.29			
		Recovery				1105.29			
		Recovery				1105.29			

IDNR Form 542-1322

Monitoring Well: MW-7B (dg) N

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1105.23
Well Depth	22.90
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1105.23
Well Depth	22.65
Top Screen	1092.33
Bottom Screen	1082.33
Bottom Well	1082.33
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	16.00
Top sample	1089.23
Bottom sample	1085.23
Turbidity(NTU)	220.00

red

Date	Time	Water Level	Water Elevation	Notes
4/15/2025	11:56	13.83	1091.4	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		220.00
Appendix I	Metals	150	150		220.00
Appendix I	VOC	240	240		220.00
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1105.23	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	22.90	Before purging	4/15/2025	11:56	13.83	1091.40		0.0	
		After purging				1105.23			
		Top of Screen 1990				1092.33			
						-0.93	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1082.33			
		Bottom of Well	4/15/2025		22.65	1082.58			
						0.25	feet sedimentation		
		Before Sampling				1105.23			
		Recovery				1105.23			
		Recovery				1105.23			
		Recovery				1105.23			
		Recovery				1105.23			

IDNR Form 542-1322

Monitoring Well: MW-7C (dg) W

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1109.79
Well Depth	28.70
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1109.79
Well Depth	28.40
Top Screen	1091.09
Bottom Screen	1081.09
Bottom Well	1081.09
Sampler Length (ft)	
Sampler Volume (mL)	440.00
Feet cordage	
Top sample	1109.79
Bottom sample	1109.79
Turbidity(NTU)	

Date	Time	Water Level	Water Elevation	Notes
4/15/2025		18.22	1091.57	WL ONLY

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10			0
Appendix I	Metals	150			0
Appendix I	VOC	240			0
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			0	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1109.79	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	28.70	Before purging	4/15/2025		18.22	1091.57			
Capped	YES	After purging				1109.79			
Standing Water	NO	Top of Screen 1990				1091.09			
Litter	NO					0.48	feet above (+) or below (-) top screen		
Level Tape	Solinst	Bottom of Well 1990				1081.09			
Equipment	Disposable Bailer	Bottom of Well	4/15/2025			1109.79			
						28.70	feet sedimentation		
		Before Sampling				1109.79			
		Recovery				1109.79			
		Recovery				1109.79			
		Recovery				1109.79			
		Recovery				1109.79			

IDNR Form 542-1322

Monitoring Well: MW-8 (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1109.6
Well Depth	45.50
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1109.6
Well Depth	44.60
Top Screen	1069.10
Bottom Screen	1064.10
Bottom Well	1064.10
Sampler Length (ft)	
Sampler Volume (mL)	440.00
Feet cordage	
Top sample	1109.60
Bottom sample	1109.60
Turbidity(NTU)	

Date	Time	Water Level	Water Elevation	Notes
4/15/2025		14.93	1094.67	WL ONLY

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		0
Appendix I	Metals	150	150		0
Appendix I	VOC	240	240		0
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1109.6	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	45.50	Before purging	4/15/2025		14.93	1094.67			
		After purging				1109.60			
		Top of Screen 1990				1069.10			
						25.57	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1064.10			
		Bottom of Well	4/15/2025			1109.60			
						45.50	feet sedimentation		
		Before Sampling				1109.60			
		Recovery				1109.60			
		Recovery				1109.60			
		Recovery				1109.60			
		Recovery				1109.60			

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Monitoring Well: MW-9 (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1119.77
Well Depth	18.00
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1119.77
Well Depth	17.45
Top Screen	1106.77
Bottom Screen	1101.77
Bottom Well	1101.77
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	11.00
Top sample	1108.77
Bottom sample	1104.77
Turbidity(NTU)	9.21

Date	Time	Water Level	Water Elevation	Notes
4/15/2025	12:50	8.51	1111.26	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		9.21
Appendix I	Metals	150	150		9.21
Appendix I	VOC	240	240		9.21
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1119.77	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	18.00	Before purging	4/15/2025	12:50	8.51	1111.26		0.0	
		After purging				1119.77			
		Top of Screen 1990				1106.77			
						4.49	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1101.77			
		Bottom of Well	4/15/2025		17.50	1102.27			
						0.50	feet sedimentation		
		Before Sampling				1119.77	Appendix I Metals		
		Recovery				1119.77	Appendix II		
		Recovery				1119.77			
		Recovery				1119.77			
		Recovery				1119.77			

IDNR Form 542-1322

Monitoring Well: MW-211 (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1139.26
Well Depth	27.53
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1139.26
Well Depth	27.80
Top Screen	1121.73
Bottom Screen	1111.73
Bottom Well	1111.73
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	21.00
Top sample	1118.26
Bottom sample	1114.26
Turbidity(NTU)	57.70

Date	Time	Water Level	Water Elevation	Notes
4/15/2025	13:07	12.91	1126.35	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		57.70
Appendix I	Metals	150	150		57.70
Appendix I	VOC	240	240		57.70
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1139.26	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	27.53	Before purging	4/15/2025	13:07	12.91	1126.35		0.0	
		After purging				1139.26			
		Top of Screen 1990				1121.73			
						4.62	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1111.73			
		Bottom of Well	4/15/2025		27.80	1111.46			
						-0.27	feet sedimentation		
		Before Sampling				1139.26			
		Recovery				1139.26			
		Recovery				1139.26			
		Recovery				1139.26			
		Recovery				1139.26			

IDNR Form 542-1322

Monitoring Well: MW-13R (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1147.71
Well Depth	21.99
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1147.71
Well Depth	22.10
Top Screen	1135.72
Bottom Screen	1125.72
Bottom Well	1125.72
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	16.00
Top sample	1131.71
Bottom sample	1127.71
Turbidity(NTU)	34.80

Date	Time	Water Level	Water Elevation	Notes
4/15/2025	14:40	10.1	1137.61	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		34.80
Appendix I	Metals	150	150		34.80
Appendix I	VOC	240	240		34.80
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental	(3+4)-methyl phenol				
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1147.71	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	21.99	Before purging	4/15/2025	14:40	10.10	1137.61		0.0	
		After purging				1147.71			
		Top of Screen 1990				1135.72			
						1.89	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1125.72			
		Bottom of Well	4/15/2025		22.10	1125.61			
						-0.11	feet sedimentation		
		Before Sampling				1147.71			
		Recovery				1147.71			
		Recovery				1147.71			
		Recovery				1147.71			
		Recovery				1147.71			

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Monitoring Well: MW-14 (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1155.28
Well Depth	15.00
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1155.28
Well Depth	15.00
Top Screen	1145.28
Bottom Screen	1140.28
Bottom Well	1140.28
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	10.00
Top sample	1145.28
Bottom sample	1141.28
Turbidity(NTU)	272.00

Date	Time	Water Level	Water Elevation	Notes
4/15/2025	14:55	9.4	1145.88	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		272.00
Appendix I	Metals	150	150		272.00
Appendix I	VOC	240	240		272.00
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1155.28	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	15.00	Before purging	4/15/2025	14:55	9.40	1145.88		0.0	
		After purging				1155.28			
		Top of Screen 1990				1145.28			
						0.60	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1140.28			
		Bottom of Well	4/15/2025		15.00	1140.28			
						0.00	feet sedimentation		
		Before Sampling				1155.28			
		Recovery				1155.28			
		Recovery				1155.28			
		Recovery				1155.28			
		Recovery				1155.28			

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Monitoring Well: MW-29 (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1136.65
Well Depth	19.23
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1136.65
Well Depth	19.15
Top Screen	1127.42
Bottom Screen	1117.42
Bottom Well	1117.42
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	13.00
Top sample	1123.65
Bottom sample	1119.65
Turbidity(NTU)	1.99

Date	Time	Water Level	Water Elevation	Notes
4/15/2025	15:40	7.56	1129.09	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10			1.99
Appendix I	Metals	150			1.99
Appendix I	VOC	240			1.99
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			0	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1136.65	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	19.23	Before purging	4/15/2025	15:40	7.56	1129.09		0.0	
		After purging				1136.65			
		Top of Screen 1990				1127.42			
						1.67	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1117.42			
		Bottom of Well	4/15/2025		19.50	1117.15			
						-0.27	feet sedimentation		
		Before Sampling				1136.65			
		Recovery				1136.65			
		Recovery				1136.65			
		Recovery				1136.65			
		Recovery				1136.65			

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Monitoring Well: MW-33 (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1115.86
Well Depth	22.58
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1115.86
Well Depth	21.75
Top Screen	1103.28
Bottom Screen	1093.28
Bottom Well	1093.28
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	15.00
Top sample	1100.86
Bottom sample	1096.86
Turbidity(NTU)	1.19

Date	Time	Water Level	Water Elevation	Notes
4/15/2025	12:19	13.05	1102.81	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.19
Appendix I	Metals	150	150		1.19
Appendix I	VOC	240	240		1.19
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1115.86	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	22.58	Before purging	4/15/2025	12:19	13.05	1102.81		0.0	
		After purging				1115.86			
		Top of Screen 1990				1103.28			
						-0.47	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1093.28			
		Bottom of Well	4/15/2025		21.80	1094.06			
						0.78	feet sedimentation		
		Before Sampling				1115.86			
		Recovery				1115.86			
		Recovery				1115.86			
		Recovery				1115.86			
		Recovery				1115.86			

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Monitoring Well: MW-35R (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1123.59
Well Depth	15.05
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1123.59
Well Depth	15.05
Top Screen	1113.57
Bottom Screen	1108.54
Bottom Well	1108.54
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	9.00
Top sample	1114.59
Bottom sample	1110.59
Turbidity(NTU)	9.95

Date	Time	Water Level	Water Elevation	Notes
4/15/2025	15:25	6.52	1117.07	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		9.95
Appendix I	Metals	150	150		9.95
Appendix I	VOC	240	240		9.95
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946	946		
Supplemental					
Total			1346	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1123.59	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	15.05	Before purging	4/15/2025	15:25	6.52	1117.07		0.0	
		After purging				1123.59			
		Top of Screen 1990				1113.57			
						3.50	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1108.54			
		Bottom of Well	4/15/2025		15.00	1108.59			
						0.05	feet sedimentation		
		Before Sampling				1123.59			
		Recovery				1123.59			
		Recovery				1123.59			
		Recovery				1123.59			
		Recovery				1123.59			

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Monitoring Well: MW-36 (ug)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1151.02
Well Depth	72.00
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1151.02
Well Depth	71.18
Top Screen	1089.84
Bottom Screen	1079.84
Bottom Well	1079.02
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	65.00
Top sample	1086.02
Bottom sample	1082.02
Turbidity(NTU)	33.00

Date	Time	Water Level	Water Elevation	Notes
4/15/2025	9:46	31.55	1119.47	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		33.00
Appendix I	Metals	150	150		33.00
Appendix I	VOC	240	240		33.00
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1151.02	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	72.00	Before purging	4/15/2025	9:46	31.55	1119.47		0.0	
		After purging				1151.02			
		Top of Screen 1990				1089.84			
						29.63	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1079.84			
		Bottom of Well	4/15/2025		71.40	1079.62			
						-0.22	feet sedimentation		
		Before Sampling				1151.02			
		Recovery				1151.02			
		Recovery				1151.02			
		Recovery				1151.02			
		Recovery				1151.02			

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Monitoring Well: MW-37 (ug)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1151.28
Well Depth	29.50
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1151.28
Well Depth	29.35
Top Screen	1141.78
Bottom Screen	1121.78
Bottom Well	1121.78
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	23.00
Top sample	1128.28
Bottom sample	1124.28
Turbidity(NTU)	9.22

Date	Time	Water Level	Water Elevation	Notes
4/15/2025	9:59	12.21	1139.07	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		9.22
Appendix I	Metals	150	150		9.22
Appendix I	VOC	240	240		9.22
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1151.28	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	29.50	Before purging	4/15/2025	9:59	12.21	1139.07		0.0	
		After purging				1151.28			
		Top of Screen 1990				1141.78			
						-2.71	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1121.78			
		Bottom of Well	4/15/2025		29.30	1121.98			
						0.20	feet sedimentation		
		Before Sampling				1151.28			
		Recovery				1151.28			
		Recovery				1151.28			
		Recovery				1151.28			
		Recovery				1151.28			

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Monitoring Well: MW-39 (ug)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1153.09
Well Depth	38.60
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1153.09
Well Depth	38.60
Top Screen	1126.79
Bottom Screen	1116.79
Bottom Well	1116.79
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	30.00
Top sample	1123.09
Bottom sample	1119.09
Turbidity(NTU)	0.96

Date	Time	Water Level	Water Elevation	Notes
4/15/2025	9:25	17.45	1135.64	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		0.96
Appendix I	Metals	150	150		0.96
Appendix I	VOC	240	240		0.96
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1153.09	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	38.60	Before purging	4/15/2025	9:25	17.45	1135.64		0.0	
		After purging				1153.09			
		Top of Screen 1990				1126.79			
						8.85	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1114.49			
		Bottom of Well	4/15/2025		38.60	1114.49			
						0.00	feet sedimentation		
		Before Sampling				1153.09			
		Recovery				1153.09			
		Recovery				1153.09			
		Recovery				1153.09			
		Recovery				1153.09			

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Monitoring Well: MW-40 (ug)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1137.89
Well Depth	38.00
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1137.89
Well Depth	37.55
Top Screen	1119.89
Bottom Screen	1099.89
Bottom Well	1099.89
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	31.00
Top sample	1106.89
Bottom sample	1102.89
Turbidity(NTU)	7.62

Date	Time	Water Level	Water Elevation	Notes
4/15/2025	10:18	24.05	1113.84	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		7.62
Appendix I	Metals	150	150		7.62
Appendix I	VOC	240	240		7.62
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1137.89	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	38.00	Before purging	4/15/2025	10:18	24.05	1113.84		0.0	
		After purging				1137.89			
		Top of Screen 1990				1119.89			
						-6.05	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1099.89			
		Bottom of Well	4/15/2025		37.30	1100.59			
						0.70	feet sedimentation		
		Before Sampling				1137.89			
		Recovery				1137.89			
		Recovery				1137.89			
		Recovery				1137.89			
		Recovery				1137.89			

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Monitoring Well: MW-47 (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1099.82
Well Depth	19.50
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1099.82
Well Depth	18.75
Top Screen	1090.32
Bottom Screen	1080.32
Bottom Well	1080.32
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	12.00
Top sample	1087.82
Bottom sample	1083.82
Turbidity(NTU)	131.00

orange

Date	Time	Water Level	Water Elevation	Notes
4/15/2025	10:49	11.28	1088.54	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		131
Appendix I	Metals	150	150		131
Appendix I	VOC	240	240		131
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1099.82	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	19.50	Before purging	4/15/2025	10:49	11.28	1088.54		0.0	
		After purging				1099.82			
		Top of Screen 1990				1090.32			
						-1.78	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1080.32			
		Bottom of Well	4/15/2025		18.70	1081.12			
						0.80	feet sedimentation		
		Before Sampling				1099.82			
		Recovery				1099.82			
		Recovery				1099.82			
		Recovery				1099.82			
		Recovery				1099.82			

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Monitoring Well: MW-48A (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1101.03
Well Depth	20.50
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1101.03
Well Depth	20.10
Top Screen	1090.53
Bottom Screen	1080.53
Bottom Well	1080.53
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	14.00
Top sample	1087.03
Bottom sample	1083.03
Turbidity(NTU)	9.22

Date	Time	Water Level	Water Elevation	Notes
4/15/2025	13:52	11.57	1089.46	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		9.22
Appendix I	Metals	150	150		9.22
Appendix I	VOC	240	240		9.22
Full Appendix II	10 more containers	5620			
TSS	TSS	1000		5620	
Supplemental	BEHP	946			
Supplemental					
Total			400	5620	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1101.03	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	20.50	Before purging	4/15/2025	13:52	11.57	1089.46		0.0	
		After purging				1101.03			
		Top of Screen 1990				1090.53			
						-1.07	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1080.53			
		Bottom of Well	4/15/2025		20.10	1080.93			
						0.40	feet sedimentation		
		Before Sampling				1101.03			
		Recovery				1101.03			
		Recovery				1101.03			
		Recovery				1101.03			
		Recovery				1101.03			

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Monitoring Well: MW-49A (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1132.5
Well Depth	25.50
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1132.5
Well Depth	24.55
Top Screen	1117.00
Bottom Screen	1107.00
Bottom Well	1007.00
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	18.00
Top sample	1114.50
Bottom sample	1110.50
Turbidity(NTU)	9.84

Date	Time	Water Level	Water Elevation	Notes
4/15/2025	14:18	13.60	1118.9	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		9.84
Appendix I	Metals	150	150		9.84
Appendix I	VOC	240	240		9.84
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1132.5	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	25.50	Before purging	4/15/2025	14:18	13.60	1118.90		0.0	
		After purging				1132.50			
		Top of Screen 1990				1117.00			
						1.90	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1107.00			
		Bottom of Well	4/15/2025		24.60	1107.90			
						0.90	feet sedimentation		
		Before Sampling				1132.50			
		Recovery				1132.50			
		Recovery				1132.50			
		Recovery				1132.50			
		Recovery				1132.50			

IDNR Form 542-1322

Monitoring Well: MW-50 (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1100.39
Well Depth	22.45
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1100.39
Well Depth	22.60
Top Screen	1082.94
Bottom Screen	1078.11
Bottom Well	1078.11
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	16.00
Top sample	1084.39
Bottom sample	1080.39
Turbidity(NTU)	2.13

Date	Time	Water Level	Water Elevation	Notes
4/15/2025	11:16	11.67	1088.72	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		2.13
Appendix I	Metals	150	150		2.13
Appendix I	VOC	240	240		2.13
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1100.39	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	22.45	Before purging	4/15/2025	11:16	11.67	1088.72		0.0	
		After purging				1100.39			
		Top of Screen 1990				1082.94			
						5.78	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1078.11			
		Bottom of Well	4/15/2025		22.60	1077.79			
						-0.32	feet sedimentation		
		Before Sampling				1100.39			
		Recovery				1100.39			
		Recovery				1100.39			
		Recovery				1100.39			
		Recovery				1100.39			

IDNR Form 542-1322

Monitoring Well: MW-51 (ug)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1116.53
Well Depth	32.02
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1116.53
Well Depth	32.20
Top Screen	1094.51
Bottom Screen	1084.70
Bottom Well	1084.70
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	26.00
Top sample	1090.53
Bottom sample	1086.53
Turbidity(NTU)	65.40

Date	Time	Water Level	Water Elevation	Notes
4/15/2025	11:34	9.32	1107.21	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		65.40
Appendix I	Metals	150	150		65.40
Appendix I	VOC	240	240		65.40
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1116.53	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	32.02	Before purging	4/15/2025	11:34	9.32	1107.21		0.0	
		After purging				1116.53			
		Top of Screen 1990				1094.51			
						12.70	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1084.70			
		Bottom of Well	4/15/2025		32.20	1084.33			
						-0.37	feet sedimentation		
		Before Sampling				1116.53			
		Recovery				1116.53			
		Recovery				1116.53			
		Recovery				1116.53			
		Recovery				1116.53			

IDNR Form 542-1322

Monitoring Well: MW-31R (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1161.26
Well Depth	32.02
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1161.26
Well Depth	32.00
Top Screen	1139.22
Bottom Screen	1128.91
Bottom Well	1128.91
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	26.00
Top sample	1135.26
Bottom sample	1131.26
Turbidity(NTU)	8.92

Date	Time	Water Level	Water Elevation	Notes
4/15/2025	13:21	22.21	1139.05	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		8.92
Appendix I	Metals	150	150		8.92
Appendix I	VOC	240	240		8.92
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1161.26	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	32.02	Before purging	4/15/2025	13:21	22.21	1139.05		0.0	
		After purging				1161.26			
		Top of Screen 1990				1139.22			
						-0.17	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1128.91			
		Bottom of Well	4/15/2025		32.00	1129.26			
						0.35	feet sedimentation		
		Before Sampling				1161.26			
		Recovery				1161.26			
		Recovery				1161.26			
		Recovery				1161.26			
		Recovery				1161.26			

RURAL IOWA SANITARY LANDFILL
PERMIT # 42-SDP-1-72P

4/15/2025

Sampled by: Glenn Hunter

Weather conditions: : sunny, wind, 43-60 degrees

IDNR Form 542-1324

GU-1	Date	Time	Type	Flowing	Quantity	Discolored	Odor	Litter
			groundwater diversion t	no	submerged	No	No	no
								Turbidity (NTU)

IDNR Form 542-1324

GU-2	Date	Time	Type	Flowing	Quantity	Discolored	Odor	Litter
			groundwater diversion t	no	buried	No	No	no
								Turbidity (NTU)

IDNR Form 542-1324

GU-3	Date	Time	Type	Flowing	Quantity	Discolored	Odor	Litter
	4/15/2025	11:01	groundwater diversion t	yes	200ml/30 sec	No	No	no
								Turbidity (NTU)
								1.88

IDNR Form 542-1324

PECS-1	Date	Time	Type	Flowing	Quantity	Discolored	Odor	Litter
	4/15/2025		detention outfall	dry		No	No	no
								Turbidity (NTU)

IDNR Form 542-1324

ACM Tile-1	Date	Time	Type	Flowing	Quantity	Discolored	Odor	Litter
	4/15/2025	15:09	groundwater tile	dry	100ml/30 sec	No	No	no
								Turbidity (NTU)
								34.80

RURAL IOWA SANITARY LANDFILL
PERMIT # 42-SDP-1-72P

10/16/2025

Sampled by: Todd Whipple

Weather conditions: : Rain AM, Sunny PM, breezy, 62-78 degrees

IDNR Form 542-1322

Monitoring Well: MW-7 (dg)

Primary Sampling Method:
Secondary Sampling Method:

No-Purge for Appendix I
Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1109.64
Well Depth	25.00
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1109.64
Well Depth	25.30
Top Screen	1089.64
Bottom Screen	1084.64
Bottom Well	1084.64
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	20.00
Top sample	1089.64
Bottom sample	1085.64
Turbidity(NTU)	14.43

Date	Time	Water Level	Water Elevation	Notes
10/16/2025	10:15	18.45	1091.19	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		14.43
Appendix I	Metals	150	150		14.43
Appendix I	VOC	240	240		14.43
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1109.64	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	25.00	Before purging	10/16/2025	10:15	18.45	1091.19		0.0	
		After purging				1109.64			
		Top of Screen 1990				1089.64			
						1.55	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1084.64			
		Bottom of Well	10/16/2025		25.30	1084.34			
						-0.30	feet sedimentation		
		Before Sampling				1109.64			
		Recovery				1109.64			
		Recovery				1109.64			
		Recovery				1109.64			
		Recovery				1109.64			

IDNR Form 542-1322

Monitoring Well: MW-7A (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1105.29
Well Depth	22.90
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1105.29
Well Depth	22.90
Top Screen	1092.39
Bottom Screen	1082.64
Bottom Well	1082.64
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	17.00
Top sample	1088.29
Bottom sample	1084.29
Turbidity(NTU)	2.12

Date	Time	Water Level	Water Elevation	Notes
10/16/2025	10:37	14.19	1091.1	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		2.12
Appendix I	Metals	150	150		2.12
Appendix I	VOC	240	240		2.12
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1105.29	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	22.90	Before purging	10/16/2025	10:37	14.19	1091.10		0.0	
		After purging				1105.29			
		Top of Screen 1990				1092.39			
						-1.29	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1082.39			
		Bottom of Well	10/16/2025		22.80	1082.49			
						0.10	feet sedimentation		
		Before Sampling				1105.29			
		Recovery				1105.29			
		Recovery				1105.29			
		Recovery				1105.29			
		Recovery				1105.29			

IDNR Form 542-1322

Monitoring Well: MW-7B (dg) N

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1105.23
Well Depth	22.90
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1105.23
Well Depth	22.65
Top Screen	1092.33
Bottom Screen	1082.33
Bottom Well	1082.33
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	17.00
Top sample	1088.23
Bottom sample	1084.23
Turbidity(NTU)	295.80

red

Date	Time	Water Level	Water Elevation	Notes
10/16/2025	10:30	14.35	1090.88	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		295.80
Appendix I	Metals	150	150		295.80
Appendix I	VOC	240	240		295.80
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1105.23	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	22.90	Before purging	10/16/2025	10:30	14.35	1090.88		0.0	
		After purging				1105.23			
		Top of Screen 1990				1092.33			
						-1.45	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1082.33			
		Bottom of Well	10/16/2025		22.65	1082.58			
						0.25	feet sedimentation		
		Before Sampling				1105.23			
		Recovery				1105.23			
		Recovery				1105.23			
		Recovery				1105.23			
		Recovery				1105.23			

IDNR Form 542-1322

Monitoring Well: MW-9 (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1119.77
Well Depth	18.00
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1119.77
Well Depth	17.45
Top Screen	1106.77
Bottom Screen	1101.77
Bottom Well	1101.77
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	12.00
Top sample	1107.77
Bottom sample	1103.77
Turbidity(NTU)	1.31

Date	Time	Water Level	Water Elevation	Notes
10/16/2025	11:06	11.78	1107.99	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.31
Appendix I	Metals	150	150		1.31
Appendix I	VOC	240	240		1.31
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1119.77	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	18.00	Before purging	10/16/2025	11:06	11.78	1107.99		0.0	
		After purging				1119.77			
		Top of Screen 1990				1106.77			
						1.22	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1101.77			
		Bottom of Well	10/16/2025		17.50	1102.27			
						0.50	feet sedimentation		
		Before Sampling				1119.77	Appendix I Metals		
		Recovery				1119.77	Appendix II		
		Recovery				1119.77			
		Recovery				1119.77			
		Recovery				1119.77			

IDNR Form 542-1322

Monitoring Well: MW-13R (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1147.71
Well Depth	21.99
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1147.71
Well Depth	22.10
Top Screen	1135.72
Bottom Screen	1125.72
Bottom Well	1125.72
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	17.00
Top sample	1130.71
Bottom sample	1126.71
Turbidity(NTU)	2.15

Date	Time	Water Level	Water Elevation	Notes
10/16/2025	14:56	10.65	1137.06	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		2.15
Appendix I	Metals	150	150		2.15
Appendix I	VOC	240	240		2.15
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental	(3+4)-methyl phenol				
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1147.71	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	21.99	Before purging	10/16/2025	14:56	10.65	1137.06		0.0	
		After purging				1147.71			
		Top of Screen 1990				1135.72			
						1.34	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1125.72			
		Bottom of Well	10/16/2025		22.10	1125.61			
						-0.11	feet sedimentation		
		Before Sampling				1147.71			
		Recovery				1147.71			
		Recovery				1147.71			
		Recovery				1147.71			
		Recovery				1147.71			

IDNR Form 542-1322

Monitoring Well: MW-14 (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1155.28
Well Depth	15.00
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1155.28
Well Depth	15.00
Top Screen	1145.28
Bottom Screen	1140.28
Bottom Well	1140.28
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	10.00
Top sample	1145.28
Bottom sample	1141.28
Turbidity(NTU)	26.43

Date	Time	Water Level	Water Elevation	Notes
10/16/2025	15:23	9.81	1145.47	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		26.43
Appendix I	Metals	150	150		26.43
Appendix I	VOC	240	240		26.43
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1155.28	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	15.00	Before purging	10/16/2025	15:23	9.81	1145.47		0.0	
		After purging				1155.28			
		Top of Screen 1990				1145.28			
						0.19	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1140.28			
		Bottom of Well	10/16/2025		15.00	1140.28			
						0.00	feet sedimentation		
		Before Sampling				1155.28			
		Recovery				1155.28			
		Recovery				1155.28			
		Recovery				1155.28			
		Recovery				1155.28			

IDNR Form 542-1322

Monitoring Well: MW-29 (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1136.65
Well Depth	19.23
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1136.65
Well Depth	19.15
Top Screen	1127.42
Bottom Screen	1117.42
Bottom Well	1117.42
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	14.00
Top sample	1122.65
Bottom sample	1118.65
Turbidity(NTU)	2.35

Date	Time	Water Level	Water Elevation	Notes
10/16/2025	8:17	11.47	1125.18	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10			2.35
Appendix I	Metals	150			2.35
Appendix I	VOC	240			2.35
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			0	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1136.65	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	19.23	Before purging	10/16/2025	8:17	11.47	1125.18		0.0	
		After purging				1136.65			
		Top of Screen 1990				1127.42			
						-2.24	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1117.42			
		Bottom of Well	10/16/2025		19.50	1117.15			
						-0.27	feet sedimentation		
		Before Sampling				1136.65			
		Recovery				1136.65			
		Recovery				1136.65			
		Recovery				1136.65			
		Recovery				1136.65			

IDNR Form 542-1322

Monitoring Well: MW-33 (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1115.86
Well Depth	22.58
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1115.86
Well Depth	21.75
Top Screen	1103.28
Bottom Screen	1093.28
Bottom Well	1093.28
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	17.00
Top sample	1098.86
Bottom sample	1094.86
Turbidity(NTU)	9.23

Date	Time	Water Level	Water Elevation	Notes
10/16/2025	10:52	16.67	1099.19	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		9.23
Appendix I	Metals	150	150		9.23
Appendix I	VOC	240	240		9.23
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1115.86	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	22.58	Before purging	10/16/2025	10:52	16.67	1099.19		0.0	
		After purging				1115.86			
		Top of Screen 1990				1103.28			
						-4.09	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1093.28			
		Bottom of Well	10/16/2025		21.80	1094.06			
						0.78	feet sedimentation		
		Before Sampling				1115.86			
		Recovery				1115.86			
		Recovery				1115.86			
		Recovery				1115.86			
		Recovery				1115.86			

IDNR Form 542-1322

Monitoring Well: MW-35R (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1123.59
Well Depth	15.05
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1123.59
Well Depth	15.05
Top Screen	1113.57
Bottom Screen	1108.54
Bottom Well	1108.54
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	10.00
Top sample	1113.59
Bottom sample	1109.59
Turbidity(NTU)	6.77

Date	Time	Water Level	Water Elevation	Notes
10/16/2025	8:35	9.55	1114.04	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		6.77
Appendix I	Metals	150	150		6.77
Appendix I	VOC	240	240		6.77
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946	946		
Supplemental					
Total			1346	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1123.59	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	15.05	Before purging	10/16/2025	8:35	9.55	1114.04		0.0	
		After purging				1123.59			
		Top of Screen 1990				1113.57			
						0.47	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1108.54			
		Bottom of Well	10/16/2025		15.00	1108.59			
						0.05	feet sedimentation		
		Before Sampling				1123.59			
		Recovery				1123.59			
		Recovery				1123.59			
		Recovery				1123.59			
		Recovery				1123.59			

IDNR Form 542-1322

Monitoring Well: MW-36 (ug)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1151.02
Well Depth	72.00
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1151.02
Well Depth	71.18
Top Screen	1089.84
Bottom Screen	1079.84
Bottom Well	1079.02
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	65.00
Top sample	1086.02
Bottom sample	1082.02
Turbidity(NTU)	1.44

Date	Time	Water Level	Water Elevation	Notes
10/16/2025	14:17	31.68	1119.34	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.44
Appendix I	Metals	150	150		1.44
Appendix I	VOC	240	240		1.44
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1151.02	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	72.00	Before purging	10/16/2025	14:17	31.68	1119.34		0.0	
		After purging				1151.02			
		Top of Screen 1990				1089.84			
						29.50	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1079.84			
		Bottom of Well	10/16/2025		71.40	1079.62			
						-0.22	feet sedimentation		
		Before Sampling				1151.02			
		Recovery				1151.02			
		Recovery				1151.02			
		Recovery				1151.02			
		Recovery				1151.02			

IDNR Form 542-1322

Monitoring Well: MW-37 (ug)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1151.28
Well Depth	29.50
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1151.28
Well Depth	29.35
Top Screen	1141.78
Bottom Screen	1121.78
Bottom Well	1121.78
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	24.00
Top sample	1127.28
Bottom sample	1123.28
Turbidity(NTU)	2.08

Date	Time	Water Level	Water Elevation	Notes
10/16/2025	14:26	15.29	1135.99	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		2.08
Appendix I	Metals	150	150		2.08
Appendix I	VOC	240	240		2.08
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1151.28	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	29.50	Before purging	10/16/2025	14:26	15.29	1135.99		0.0	
		After purging				1151.28			
		Top of Screen 1990				1141.78			
						-5.79	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1121.78			
		Bottom of Well	10/16/2025		29.30	1121.98			
						0.20	feet sedimentation		
		Before Sampling				1151.28			
		Recovery				1151.28			
		Recovery				1151.28			
		Recovery				1151.28			
		Recovery				1151.28			

IDNR Form 542-1322

Monitoring Well: MW-39 (ug)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1153.09
Well Depth	38.60
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1153.09
Well Depth	38.60
Top Screen	1126.79
Bottom Screen	1116.79
Bottom Well	1116.79
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	33.00
Top sample	1120.09
Bottom sample	1116.09
Turbidity(NTU)	1.68

Date	Time	Water Level	Water Elevation	Notes
10/16/2025	14:40	17.55	1135.54	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.68
Appendix I	Metals	150	150		1.68
Appendix I	VOC	240	240		1.68
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1153.09	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	38.60	Before purging	10/16/2025	14:40	17.55	1135.54		0.0	
		After purging				1153.09			
		Top of Screen 1990				1126.79			
						8.75	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1114.49			
		Bottom of Well	10/16/2025		38.60	1114.49			
						0.00	feet sedimentation		
		Before Sampling				1153.09			
		Recovery				1153.09			
		Recovery				1153.09			
		Recovery				1153.09			
		Recovery				1153.09			

IDNR Form 542-1322

Monitoring Well: MW-40 (ug)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1137.89
Well Depth	38.00
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1137.89
Well Depth	37.55
Top Screen	1119.89
Bottom Screen	1099.89
Bottom Well	1099.89
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	32.00
Top sample	1105.89
Bottom sample	1101.89
Turbidity(NTU)	4.43

Date	Time	Water Level	Water Elevation	Notes
10/16/2025	13:55	22.47	1115.42	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		4.43
Appendix I	Metals	150	150		4.43
Appendix I	VOC	240	240		4.43
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1137.89	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	38.00	Before purging	10/16/2025	13:55	22.47	1115.42		0.0	
		After purging				1137.89			
		Top of Screen 1990				1119.89			
						-4.47	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1099.89			
		Bottom of Well	10/16/2025		37.30	1100.59			
						0.70	feet sedimentation		
		Before Sampling				1137.89			
		Recovery				1137.89			
		Recovery				1137.89			
		Recovery				1137.89			
		Recovery				1137.89			

IDNR Form 542-1322

Monitoring Well: MW-47 (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1099.82
Well Depth	19.50
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1099.82
Well Depth	18.75
Top Screen	1090.32
Bottom Screen	1080.32
Bottom Well	1080.32
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	13.00
Top sample	1086.82
Bottom sample	1082.82
Turbidity(NTU)	39.75

Date	Time	Water Level	Water Elevation	Notes
10/16/2025	12:24	11.25	1088.57	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		39.75
Appendix I	Metals	150	150		39.75
Appendix I	VOC	240	240		39.75
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1099.82	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	19.50	Before purging	10/16/2025	12:24	11.25	1088.57		0.0	
		After purging				1099.82			
		Top of Screen 1990				1090.32			
						-1.75	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1080.32			
		Bottom of Well	10/16/2025		18.70	1081.12			
						0.80	feet sedimentation		
		Before Sampling				1099.82			
		Recovery				1099.82			
		Recovery				1099.82			
		Recovery				1099.82			
		Recovery				1099.82			

IDNR Form 542-1322

Monitoring Well: MW-48A (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1101.03
Well Depth	20.50
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1101.03
Well Depth	20.10
Top Screen	1090.53
Bottom Screen	1080.53
Bottom Well	1080.53
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	14.50
Top sample	1086.53
Bottom sample	1082.53
Turbidity(NTU)	26.83

Date	Time	Water Level	Water Elevation	Notes
10/16/2025	12:08	11.3	1089.73	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		26.83
Appendix I	Metals	150	150		26.83
Appendix I	VOC	240	240		26.83
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1101.03	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	20.50	Before purging	10/16/2025	12:08	11.30	1089.73		0.0	
		After purging				1101.03			
		Top of Screen 1990				1090.53			
						-0.80	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1080.53			
		Bottom of Well	10/16/2025		20.10	1080.93			
						0.40	feet sedimentation		
		Before Sampling				1101.03			
		Recovery				1101.03			
		Recovery				1101.03			
		Recovery				1101.03			
		Recovery				1101.03			

IDNR Form 542-1322

Monitoring Well: MW-49A (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1132.5
Well Depth	25.50
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1132.5
Well Depth	24.55
Top Screen	1117.00
Bottom Screen	1107.00
Bottom Well	1007.00
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	19.00
Top sample	1113.50
Bottom sample	1109.50
Turbidity(NTU)	1.76

Date	Time	Water Level	Water Elevation	Notes
10/16/2025	11:35	15.20	1117.3	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.76
Appendix I	Metals	150	150		1.76
Appendix I	VOC	240	240		1.76
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1132.5	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	25.50	Before purging	10/16/2025	11:35	15.20	1117.30		0.0	
		After purging				1132.50			
		Top of Screen 1990				1117.00			
						0.30	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1107.00			
		Bottom of Well	10/16/2025		24.60	1107.90			
						0.90	feet sedimentation		
		Before Sampling				1132.50			
		Recovery				1132.50			
		Recovery				1132.50			
		Recovery				1132.50			
		Recovery				1132.50			

IDNR Form 542-1322

Monitoring Well: MW-50 (dg)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1100.39
Well Depth	22.45
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1100.39
Well Depth	22.60
Top Screen	1082.94
Bottom Screen	1078.11
Bottom Well	1078.11
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	17.00
Top sample	1083.39
Bottom sample	1079.39
Turbidity(NTU)	1.99

Date	Time	Water Level	Water Elevation	Notes
10/16/2025	12:45	12.02	1088.37	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.99
Appendix I	Metals	150	150		1.99
Appendix I	VOC	240	240		1.99
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1100.39	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	22.45	Before purging	10/16/2025	12:45	12.02	1088.37		0.0	
		After purging				1100.39			
		Top of Screen 1990				1082.94			
						5.43	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1078.11			
		Bottom of Well	10/16/2025		22.60	1077.79			
						-0.32	feet sedimentation		
		Before Sampling				1100.39			
		Recovery				1100.39			
		Recovery				1100.39			
		Recovery				1100.39			
		Recovery				1100.39			

IDNR Form 542-1322

Monitoring Well: MW-51 (ug)

Primary Sampling Method: No-Purge for Appendix I
Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1116.53
Well Depth	32.02
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	1116.53
Well Depth	32.20
Top Screen	1094.51
Bottom Screen	1084.70
Bottom Well	1084.70
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	27.00
Top sample	1089.53
Bottom sample	1085.53
Turbidity(NTU)	37.96

Date	Time	Water Level	Water Elevation	Notes
10/16/2025	11:50	11.14	1105.39	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		37.96
Appendix I	Metals	150	150		37.96
Appendix I	VOC	240	240		37.96
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	946			
Supplemental					
Total			400	0	

PURGE & SAMPLE METHOD - Purge by Waterra Inertial Lift Pump, then well rest, then sample collection

TOC	1116.53	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	32.02	Before purging	10/16/2025	11:50	11.14	1105.39		0.0	
		After purging				1116.53			
		Top of Screen 1990				1094.51			
						10.88	feet above (+) or below (-) top screen		
		Bottom of Well 1990				1084.70			
		Bottom of Well	10/16/2025		32.20	1084.33			
						-0.37	feet sedimentation		
		Before Sampling				1116.53			
		Recovery				1116.53			
		Recovery				1116.53			
		Recovery				1116.53			
		Recovery				1116.53			

RURAL IOWA SANITARY LANDFILL
PERMIT # 42-SDP-1-72P

10/16/2025 Sampled by: Todd Whipple Weather conditions: : Rain AM, Sunny PM, breezy, 62-78 degrees

IDNR Form 542-1324

GU-1	Date	Time	Type	Flowing	Quantity	Discolored	Odor	Litter
			groundwater diversion t	no	submerged	No	No	no
								Turbidity (NTU)

IDNR Form 542-1324

GU-2	Date	Time	Type	Flowing	Quantity	Discolored	Odor	Litter
			groundwater diversion t	no	buried	No	No	no
								Turbidity (NTU)

IDNR Form 542-1324

GU-3	Date	Time	Type	Flowing	Quantity	Discolored	Odor	Litter
	10/16/2025	12:35	groundwater diversion t	yes	250ml/18 sec	No	No	no
								Turbidity (NTU)
								15.72

IDNR Form 542-1324

PECS-1	Date	Time	Type	Flowing	Quantity	Discolored	Odor	Litter
	10/16/2025		detention outfall		dry	No	No	no
								Turbidity (NTU)

IDNR Form 542-1324

ACM Tile-1	Date	Time	Type	Flowing	Quantity	Discolored	Odor	Litter
	10/16/2025	15:09	groundwater tile	pooled	trace	No	No	no
								Turbidity (NTU)
								109.50

Appendix B

Statistical Reports

APPENDIX B.1 –Spring Statistical Evaluation

GROUND WATER STATISTICS
FOR THE
RURAL IOWA SANITARY LANDFILL

First Semi-Annual Monitoring Event in 2025

Prepared for:
Rural Iowa Waste Management Association
20488 M Avenue
Eldora, Hardin County, IA

Prepared by:
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Otter Creek Environmental Services, LLC
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July 2025

INTRODUCTION

This report summarizes the results of the statistical analysis used to evaluate the ground water quality data obtained during the first semi-annual monitoring event in 2025 at the Rural Iowa Sanitary Landfill near Eldora in Hardin County, Iowa. The statistical plan was designed to detect a release from the facility at the earliest indication so that it is protective of human health and the environment. The interwell methodology is described and then applied to the Rural Iowa Sanitary Landfill data. The statistical plan conforms with IAC 567, Chapter 113.10 and the USEPA Unified Guidance document (“*Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities*”, March 2009).

Ground Water Monitoring Program

The groundwater monitoring network for the Rural Iowa Sanitary Landfill includes sample points MW-36 (upgradient), MW-37 (upgradient), MW-39 (upgradient), MW-40 (upgradient), MW-47 (upgradient), GWD-1, GWD-2, MW-48A, MW-49A, MW-50, and MW-51. Each of the groundwater monitoring wells is to be sampled at least semiannually and analyzed for the detection monitoring parameters listed in 113.10(5), which includes 15 inorganic constituents and 47 organic compounds, summarized in Table 1 below.

Table 1: Detection monitoring constituents listed in Appendix I of IAC 567, Chapter 113.

Organic Compounds:

Acetone	<i>trans</i> -1,4-Dichloro-2-butene	Iodomethane
Acrylonitrile	1,1-Dichloroethane	4-Methyl-2-pentanone
Benzene	1,2-Dichloroethane	Styrene
Bromochloromethane	1,1-Dichloroethene	1,1,1,2-Tetrachloroethane
Bromodichloromethane	<i>cis</i> -1,2-Dichloroethene	1,1,2,2-Tetrachloroethane
Bromoform	<i>trans</i> -1,2-Dichloroethene	Tetrachloroethene
Carbon disulfide	1,2-Dichloropropane	Toluene
Carbon tetrachloride	<i>cis</i> -1,3-Dichloropropene	1,1,1-Trichloroethane
Chlorobenzene	<i>trans</i> -1,3-Dichloropropene	1,1,2-Trichloroethane
Chloroethane	Ethylbenzene	Trichloroethene
Chloroform	2-Hexanone	Trichlorofluoromethane
Dibromochloromethane	Bromomethane	1,2,3-Trichloropropane
1,2-Dibromo-3-chloropropane	Chloromethane	Vinyl acetate
1,2-Dibromoethane	Dibromomethane	Vinyl chloride
1,2-Dichlorobenzene	Methylene chloride	Xylenes (Total)
1,4-Dichlorobenzene	2-Butanone	

Inorganic constituents:

Antimony, Total	Chromium, Total	Selenium, Total
Arsenic, Total	Cobalt, Total	Silver, Total
Barium, Total	Copper, Total	Thallium, Total
Beryllium, Total	Lead, Total	Vanadium, Total
Cadmium, Total	Nickel, Total	Zinc, Total

Sample points MW-36, MW-37, MW-39, MW-40, MW-47, MW-48A, MW-49A, MW-50, and MW-51 were sampled on April 15, 2025 and analyzed for the constituents required by permit. The ground water data obtained during the first semi-annual monitoring event in 2025 are summarized in Attachment A.

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

IAC 567, Chapter 113.10(4) provides several options for statistically evaluating the ground water data at those wells that monitor the open cells or contiguous MSWLF units. The preferred methods for comparing ground water data are using either prediction limits or using control charts. The interwell method was applied to the Rural Iowa Sanitary Landfill data using the DUMPStat® statistical program. Ground water statistics are to be done on the inorganic constituents listed. The organic constituents are compared to maximum contaminant levels (MCLs) or practical quantitation limits (PQLs), in lieu of statistical comparisons to historical concentrations.

Interwell Statistics: Upgradient versus Downgradient Comparisons

Interwell statistics are appropriate when the upgradient and downgradient wells monitor the same ground water formation and there is similar variability in the upgradient and downgradient zones. Site prediction limits are determined by pooling the historical ground water data from hydraulically upgradient wells. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances. The type of prediction limit utilized (e.g., parametric or nonparametric) is based on the detection frequency and the data distribution of each parameter in the background data. The distribution of the background data is tested for normality using the Shapiro-Wilk test (Gibbons, 1994 and USEPA 1992). If the constituent is normally distributed, a normal prediction limit is used. If normality is rejected by the Shapiro-Wilk test, the background data is transformed by taking the natural logarithm. The Shapiro-Wilk test is then reapplied on the transformed data. If it is not rejected, lognormal prediction limits are used. If after transforming the data, normality is still rejected, nonparametric prediction limits are used for that analyte. The nonparametric prediction limit is the largest determination in the background measurements. For constituents where the background detection frequency is greater than 0% but less than 50%, nonparametric prediction limits will be used. If the detection frequency is 0% after thirteen samples have been collected, the practical quantitation limit (PQL) becomes the nonparametric prediction limit.

Results of the Interwell Statistics

The background data used in this statistical analysis includes the ground water data collected from ground water wells MW-36, MW-37, MW-39, MW-40, and MW-47 during the period from October 2014 through the current data. A summary of the background data from monitoring wells MW-36, MW-37, MW-39, MW-40, and MW-47, used to determine the site prediction limits, is listed in Attachment B, Table 1 “Upgradient Data”. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances.

Table 2 “Most Current Downgradient Monitoring Data”, summarizes the current data from downgradient wells MW-48A, MW-49A, MW-50, and MW-51 compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks. For the data obtained during the first semi-annual monitoring event in 2025, the site prediction limit exceedances detected are summarized in the table below.

Trace Metal Prediction Limit Exceedances During the First Semi-Annual Monitoring Event in 2025

Well	Trace Metal Detected	Result, µg/L	Prediction Limit, µg/L	Prediction Limit Type	Verified/ Awaiting Verification
MW-49A	Cobalt	13.2	12.4000	Nonparametric	Awaiting Verification
	Nickel	41.1	31.6000	Nonparametric	Verified

The detection frequencies of the parameters in the up and down gradient monitoring wells are summarized in Table 3. Only barium was detected at a frequency greater than or equal to 50% in the upgradient wells so only this metal will be tested for normality. The remainder of the metals are rarely detected (less than 50%) in the upgradient wells so nonparametric prediction limits were used in those cases.

Table 4 summarizes the results of the Shapiro-Wilk test. Table 5 is a summary of the statistics and prediction limits determined for the metals. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

A statistical power curve indicates the expected false assessments for the site as a whole. The false positive rate for interwell analyses is the percentage of failures when the upgradient versus downgradient true mean difference equals zero. False negative rate indicates the chance of missing contamination at a single well for a single constituent. The statistical power is a function of the number of wells included, the number of constituents compared, the detection frequencies, and the data distributions involved. For interwell analysis, the site-wide false positive rate is 1% and the test becomes sensitive to 3 standard deviation unit increases over background.

The past verified trace metal exceedance was evaluated against the ground water protection standards (GWPS) using confidence limits calculated in accordance with the Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, USEPA, April 1989 (Attachment C). The analysis was conducted to evaluate whether verified concentrations are significantly above the water quality standard. The 95% lower confidence limit (LCL) for the mean of the historical data was used to evaluate whether the regulated unit is in compliance with the ground-water protection standards under 40 CFR 264 (e.g. whether the verified constituent is detected at a significant level above the GWPS). An exceedance is verified if the LCL is above the Regulatory GWPS.

The 95% LCL for arsenic at MW-48A (12.408 µg/L) exceeds the GWPS of 10 µg/L.

The 95% LCL for arsenic at MW-49A (29.451 µg/L) exceeds the GWPS of 10 µg/L.

The 95% LCL for cobalt at MW-49A (9.993 µg/L) exceeds the GWPS of 2.1 µg/L.

The 95% LCLs for the remainder of the metals exceedances are below the respective GWPS.

Volatile Organic Compounds

Volatile Organic Compounds (VOCs) are generally man-made compounds not present in ambient ground water. If VOCs are detected above their statistical limit (i.e., the laboratory PQL or reporting limit), a verification resample will be conducted at the next scheduled sampling event. A statistical exceedance will be indicated if the VOC detection is confirmed by the subsequent monitoring. The VOCs detected in the

ground water at Rural Iowa Sanitary Landfill during the first semi-annual monitoring event in 2025 are summarized below.

Organic compounds detected during the first semi-annual monitoring event in 2025

Well	VOC Detected	Result, µg/L	Reporting Limit, µg/L	Verified/ Awaiting Verification	Groundwater Standard, µg/L
MW-49A	Benzene	4.6	1	Verified	5 ^a
	Chloroethane	3.8	1	Verified	2800 ^b
	<i>cis</i> -1,2-Dichloroethene	5.2	1	Verified	70 ^a
	Vinyl chloride	4.5	1	Verified	2 ^a

a - USEPA MCL

b – Iowa Statewide Standard

Historical VOC detections are summarized in Attachment D. The verified VOC detections were evaluated against the ground water protection standards (GWPS) using confidence limits. The 95% lower confidence limit (LCL) for the mean of the historical data was used to evaluate whether the regulated unit is in compliance with the ground-water protection standards under 40 CFR 264. An exceedance is verified if the LCL is above the Regulatory GWPS.

The 95% LCLs for the verified VOCs at MW-49A are below the respective GWPS.

CONCLUSIONS

This report summarizes the statistical analyses used to evaluate the ground water data obtained during the first semi-annual monitoring event in 2025 at Rural Iowa Sanitary Landfill. Sample points MW-36, MW-37, MW-39, MW-40, MW-47, MW-48A, MW-49A, MW-50, and MW-51 were sampled on April 15, 2025 and analyzed for the parameters required by permit. The ground water data was compared to background using prediction limits (interwell). There is a verified site prediction limit exceedance detected nickel at MW-49A. There are verified detections of benzene, chloroethane, *cis*-1,2-dichloroethene, and vinyl chloride at MW-49A. The VOCs detected did not exceed ground water quality standards.

Attachment A

Summary of the Data obtained during the First Semi-Annual Monitoring event in 2025

Table 1

Analytical Data Summary for 4/15/2025

Constituents	Units	MW-36	MW-37	MW-39	MW-40	MW-47	MW-48A	MW-49A	MW-50	MW-51
(3,4)-methylphenol	ug/L						<8	<8		
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L						<1	<1		
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L						<8	<8		
1,2,4-trichlorobenzene	ug/L						<1	<1		
1,2-dibromo-3-chloropropane	ug/L	<5	<5	<5	<5	<5	<1	<1	<5	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L						<8	<8		
1,3,5-trinitrobenzene	ug/L						<8	<8		
1,3-dichlorobenzene	ug/L						<1	<1		
1,3-dichloropropane	ug/L						<1	<1		
1,3-dinitrobenzene	ug/L						<8	<8		
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone	ug/L						<8	<8		
1,4-phenylenediamine	ug/L						<8	<8		
1-naphthylamine	ug/L						<8	<8		
2,2-dichloropropane	ug/L						<1	<1		
2,3,4,6-tetrachlorophenol	ug/L						<8	<8		
2,4,5-t	ug/L						<.5	<.5		
2,4,5-tp (silvex)	ug/L						<.5	<.5		
2,4,5-trichlorophenol	ug/L						<8	<8		
2,4,6-trichlorophenol	ug/L						<8	<8		
2,4-d	ug/L						<2	<2		
2,4-dichlorophenol	ug/L						<8	<8		
2,4-dimethylphenol	ug/L						<8	<8		
2,4-dinitrophenol	ug/L						<8	<8		
2,4-dinitrotoluene	ug/L						<8	<8		
2,6-dichlorophenol	ug/L						<8	<8		
2,6-dinitrotoluene	ug/L						<8	<8		
2-acetylaminofluorene	ug/L						<8	<8		
2-butanone (mek)	ug/L	<10	<10	<10	<10	<10	<5	<5	<10	<10
2-chloronaphthalene	ug/L						<8	<8		
2-chlorophenol	ug/L						<8	<8		
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L						<8	<8		
2-methylphenol	ug/L						<8	<8		
2-naphthylamine	ug/L						<8	<8		
2-nitroaniline	ug/L						<8	<8		
2-nitrophenol	ug/L						<8	<8		
3,3'-dichlorobenzidine	ug/L						<8	<8		
3,3'-dimethylbenzidine	ug/L						<8	<8		
3-methylcholanthrene	ug/L						<8	<8		
3-nitroaniline	ug/L						<8	<8		
4,4'-ddd	ug/L						<.05	<.05		
4,4'-dde	ug/L						<.05	<.05		
4,4'-ddt	ug/L						<.05	<.05		
4,6-dinitro-2-methylphenol	ug/L						<8	<8		
4-aminobiphenyl	ug/L						<8	<8		
4-bromophenyl phenyl ether	ug/L						<8	<8		
4-chloro-3-methylphenol	ug/L						<8	<8		
4-chloroaniline	ug/L						<8	<8		
4-chlorophenyl phenyl ether	ug/L						<8	<8		
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L						<8	<8		
4-nitrophenol	ug/L						<8	<8		
5-nitro-o-toluidine	ug/L						<8	<8		
7,12-dimethylbenz(a)anthracene	ug/L						<8	<8		
Acenaphthene	ug/L						<8	<8		
Acenaphthylene	ug/L						<8	<8		
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	ug/L						<10	<10		
Acetophenone	ug/L						<8	<8		
Acrolein	ug/L						<10	<10		
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L						<.05	<.05		
Allyl chloride	ug/L						<1	<1		
Alpha-bhc	ug/L						<.05	<.05		
Anthracene	ug/L						<8	<8		

* - The displayed value is the arithmetic mean of multiple database matches.

Table 1

Analytical Data Summary for 4/15/2025

Constituents	Units	MW-36	MW-37	MW-39	MW-40	MW-47	MW-48A	MW-49A	MW-50	MW-51
Antimony, total	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Arochlor 1016	ug/L						<2	<2		
Arochlor 1221	ug/L						<2	<2		
Arochlor 1232	ug/L						<2	<2		
Arochlor 1242	ug/L						<2	<2		
Arochlor 1248	ug/L						<2	<2		
Arochlor 1254	ug/L						<2	<2		
Arochlor 1260	ug/L						<2	<2		
Arsenic, total	ug/L	<2.0	<2.0	<2.0	<2.0	311.0	13.3	36.2	<2.0	<2.0
Azobenzene	ug/L						<8	<8		
Barium, total	ug/L	331.0	43.9	287.0	46.7	985.0	231.0	722.0	624.0	484.0
Benzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	4.6	<1.0	<1.0
Benzo(a)anthracene	ug/L						<8	<8		
Benzo(a)pyrene	ug/L						<8	<8		
Benzo(b)fluoranthene	ug/L						<8	<8		
Benzo(g,h,i)perylene	ug/L						<8	<8		
Benzo(k)fluoranthene	ug/L						<8	<8		
Benzyl alcohol	ug/L						<8	<8		
Beryllium, total	ug/L	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Beta-bhc	ug/L						<.05	<.05		
Bis (2-chloroethoxy) methane	ug/L						<8	<8		
Bis(2-chloroethyl) ether	ug/L						<8	<8		
Bis(2-chloroisopropyl) ether	ug/L						<8	<8		
Bis(2-ethylhexyl) phthalate	ug/L						<6	<6		
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L						<8	<8		
Cadmium, total	ug/L	.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L						<.1	<.1		
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L						<8	<8		
Chloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.8	<1.0	<1.0
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L						<1	<1		
Chromium, total	ug/L	1.4	2.1	1.2	1.2	1.3	1.7	1.2	1.0	1.3
Chrysene	ug/L						<8	<8		
Cis-1,2-dichloroethylene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5.2	<1.0	<1.0
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	2.0	<.5	<.5	3.2	2.4	.7	13.2	<.5	<.5
Copper, total	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	9.3	<5.0	<5.0
Cyanide, total	mg/L						<.01	<.01		
Delta-bhc	ug/L						<.05	<.05		
Diallate	ug/L						<8	<8		
Dibenzo(a,h)anthracene	ug/L						<8	<8		
Dibenzofuran	ug/L						<8	<8		
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L						<1	<1		
Dieldrin	ug/L						<.05	<.05		
Diethyl phthalate	ug/L						<8	<8		
Dimethoate	ug/L						<.4	<.4		
Dimethylphthalate	ug/L						<8	<8		
Di-n-butyl phthalate	ug/L						<8	<8		
Di-n-octyl phthalate	ug/L						<8	<8		
Dinoseb	ug/L						<.5	<.5		
Diphenylamine	ug/L						<8	<8		
Disulfoton	ug/L						<.4	<.4		
Endosulfan i	ug/L						<.05	<.05		
Endosulfan ii	ug/L						<.05	<.05		
Endosulfan sulfate	ug/L						<.05	<.05		
Endrin	ug/L						<.05	<.05		
Endrin aldehyde	ug/L						<.05	<.05		
Ethyl methacrylate	ug/L						<10	<10		
Ethyl methanesulfonate	ug/L						<8	<8		
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L						<.4	<.4		
Fluoranthene	ug/L						<8	<8		
Fluorene	ug/L						<8	<8		
Gamma-bhc (lindane)	ug/L						<.05	<.05		
Heptachlor	ug/L						<.05	<.05		
Heptachlor epoxide	ug/L						<.05	<.05		
Hexachlorobenzene	ug/L						<.05	<.05		

* - The displayed value is the arithmetic mean of multiple database matches.

Table 1

Analytical Data Summary for 4/15/2025

Constituents	Units	MW-36	MW-37	MW-39	MW-40	MW-47	MW-48A	MW-49A	MW-50	MW-51
Hexachlorobutadiene	ug/L						<8	<8		
Hexachlorocyclopentadiene	ug/L						<8	<8		
Hexachloroethane	ug/L						<8	<8		
Hexachloropropene	ug/L						<8	<8		
Indeno(1,2,3-cd)pyrene	ug/L						<8	<8		
Isobutanol	ug/L						<1000	<1000		
Isodrin	ug/L						<8	<8		
Isophorone	ug/L						<8	<8		
Isosafrole	ug/L						<8	<8		
Kepone	ug/L						<8	<8		
Lead, total	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Mercury, total	ug/L						<.5	<.5		
Methacrylonitrile	ug/L						<1	<1		
Methapyrilene	ug/L						<8	<8		
Methoxychlor	ug/L						<.05	<.05		
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<2	<2	<1	<1
Methyl methacrylate	ug/L						<1	<1		
Methyl methanesulfonate	ug/L						<8	<8		
Methyl parathion	ug/L						<.4	<.4		
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L						<8	<8		
Nickel, total	ug/L	<5.0	<5.0	<5.0	16.3	<5.0	<5.0	41.1	<5.0	<5.0
Nitrobenzene	ug/L						<8	<8		
N-nitrosodiethylamine	ug/L						<8	<8		
N-nitrosodimethylamine	ug/L						<8	<8		
N-nitrosodi-n-butylamine	ug/L						<8	<8		
N-nitroso-di-n-propylamine	ug/L						<8	<8		
N-nitrosodiphenylamine	ug/L						<8	<8		
N-nitrosomethylethylamine	ug/L						<8	<8		
N-nitrosopiperidine	ug/L						<8	<8		
N-nitrosopyrrolidine	ug/L						<8	<8		
O,o,o-triethyl phosphorothioate	ug/L						<.4	<.4		
O-toluidine	ug/L						<8	<8		
Parathion	ug/L						<.4	<.4		
P-dimethylaminoazobenzene	ug/L						<8	<8		
Pentachlorobenzene	ug/L						<8	<8		
Pentachloronitrobenzene (pcnb)	ug/L						<8	<8		
Pentachlorophenol	ug/L						<8	<8		
Phenacetin	ug/L						<8	<8		
Phenanthrene	ug/L						<8	<8		
Phenol	ug/L						<8	<8		
Phorate	ug/L						<.4	<.4		
Pronamide	ug/L						<8	<8		
Propionitrile	ug/L						<10	<10		
Pyrene	ug/L						<8	<8		
Safrole	ug/L						<8	<8		
Selenium, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Silver, total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L						.12	<.10		
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Thionazin	ug/L						<.4	<.4		
Tin, total	ug/L						<5	<5		
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L						<.2	<.2		
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	2.1	<2.0	<2.0	<2.0	<2.0	2.2	<2.0	<2.0	<2.0
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	4.5	<1.0	<1.0
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	5.4	<5.0	<5.0	7.0	<5.0	<5.0	5.1	<5.0	<5.0

* - The displayed value is the arithmetic mean of multiple database matches.

Attachment B

Summary Tables and Graphs for the Interwell Comparisons

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-36	07/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-36	04/21/2016	ND	2.0000		
Antimony, total	ug/L	MW-36	10/17/2016	ND	2.0000		
Antimony, total	ug/L	MW-36	04/21/2017	ND	2.0000		
Antimony, total	ug/L	MW-36	10/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-36	04/24/2018	ND	2.0000		
Antimony, total	ug/L	MW-36	10/25/2018	ND	2.0000		
Antimony, total	ug/L	MW-36	04/15/2019	ND	2.0000		
Antimony, total	ug/L	MW-36	10/07/2019	ND	2.0000		
Antimony, total	ug/L	MW-36	04/22/2020	ND	2.0000		
Antimony, total	ug/L	MW-36	10/02/2020	ND	2.0000		
Antimony, total	ug/L	MW-36	04/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-36	10/29/2021	ND	2.0000		
Antimony, total	ug/L	MW-36	04/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-36	10/17/2022	ND	2.0000		
Antimony, total	ug/L	MW-36	04/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-36	10/27/2023	ND	2.0000		
Antimony, total	ug/L	MW-36	04/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-36	10/10/2024	ND	2.0000		
Antimony, total	ug/L	MW-36	04/15/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-36	07/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/21/2017	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/16/2017	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/24/2018	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/22/2020	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/25/2022	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/10/2024	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/15/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-36	07/08/2015		366.0000		
Barium, total	ug/L	MW-36	04/21/2016		184.0000		
Barium, total	ug/L	MW-36	10/17/2016		162.0000		
Barium, total	ug/L	MW-36	04/21/2017		158.0000		
Barium, total	ug/L	MW-36	10/16/2017		233.0000		
Barium, total	ug/L	MW-36	04/24/2018		230.0000		
Barium, total	ug/L	MW-36	10/25/2018		184.0000		
Barium, total	ug/L	MW-36	04/15/2019		174.0000		
Barium, total	ug/L	MW-36	10/07/2019		235.0000		
Barium, total	ug/L	MW-36	04/22/2020		348.0000		
Barium, total	ug/L	MW-36	10/02/2020		176.0000		
Barium, total	ug/L	MW-36	04/08/2021		173.0000		
Barium, total	ug/L	MW-36	10/29/2021		203.0000		
Barium, total	ug/L	MW-36	04/25/2022		267.0000		
Barium, total	ug/L	MW-36	10/17/2022		219.0000		
Barium, total	ug/L	MW-36	04/10/2023		260.0000		
Barium, total	ug/L	MW-36	10/27/2023		258.0000		
Barium, total	ug/L	MW-36	04/02/2024		200.0000		
Barium, total	ug/L	MW-36	10/10/2024		329.0000		
Barium, total	ug/L	MW-36	04/15/2025		331.0000		
Beryllium, total	ug/L	MW-36	07/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/21/2017	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/24/2018	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/22/2020	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/25/2022	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/10/2024	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/15/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-36	07/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/21/2016	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/17/2016	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/21/2017	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/16/2017	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/24/2018	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/25/2018	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/15/2019	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/07/2019	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/22/2020	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/02/2020	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/29/2021	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/17/2022	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/27/2023	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/10/2024	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/15/2025		0.2000		*
Chromium, total	ug/L	MW-36	07/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-36	04/21/2016	ND	8.0000		
Chromium, total	ug/L	MW-36	10/17/2016	ND	8.0000		
Chromium, total	ug/L	MW-36	04/21/2017	ND	8.0000		
Chromium, total	ug/L	MW-36	10/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-36	04/24/2018	ND	8.0000		
Chromium, total	ug/L	MW-36	10/25/2018	ND	8.0000		
Chromium, total	ug/L	MW-36	04/15/2019	ND	8.0000		
Chromium, total	ug/L	MW-36	10/07/2019	ND	8.0000		
Chromium, total	ug/L	MW-36	04/22/2020		8.0000		
Chromium, total	ug/L	MW-36	10/02/2020	ND	8.0000		
Chromium, total	ug/L	MW-36	04/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-36	10/29/2021	ND	8.0000		
Chromium, total	ug/L	MW-36	04/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-36	10/17/2022	ND	8.0000		
Chromium, total	ug/L	MW-36	04/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-36	10/27/2023	ND	8.0000		
Chromium, total	ug/L	MW-36	04/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-36	10/10/2024		13.6000		
Chromium, total	ug/L	MW-36	04/15/2025		1.4000		*
Cobalt, total	ug/L	MW-36	07/08/2015		34.1000		*
Cobalt, total	ug/L	MW-36	04/21/2016		2.4000		
Cobalt, total	ug/L	MW-36	10/17/2016		0.8000		
Cobalt, total	ug/L	MW-36	04/21/2017		2.1000		
Cobalt, total	ug/L	MW-36	10/16/2017		2.0000		
Cobalt, total	ug/L	MW-36	04/24/2018		3.9000		
Cobalt, total	ug/L	MW-36	10/25/2018		0.8000		
Cobalt, total	ug/L	MW-36	04/15/2019	ND	0.8000		
Cobalt, total	ug/L	MW-36	10/07/2019		1.3000		
Cobalt, total	ug/L	MW-36	04/22/2020		7.8000		
Cobalt, total	ug/L	MW-36	10/02/2020		0.4000		
Cobalt, total	ug/L	MW-36	04/08/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-36	10/29/2021		0.7000		
Cobalt, total	ug/L	MW-36	04/25/2022		4.7000		
Cobalt, total	ug/L	MW-36	10/17/2022		2.4000		
Cobalt, total	ug/L	MW-36	04/10/2023		1.4000		
Cobalt, total	ug/L	MW-36	10/27/2023		1.3000		
Cobalt, total	ug/L	MW-36	04/02/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-36	10/10/2024		7.6000		
Cobalt, total	ug/L	MW-36	04/15/2025		2.0000		
Copper, total	ug/L	MW-36	07/08/2015		6.7000		
Copper, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Copper, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Copper, total	ug/L	MW-36	04/21/2017	ND	4.0000		
Copper, total	ug/L	MW-36	10/16/2017	ND	4.0000		
Copper, total	ug/L	MW-36	04/24/2018		4.4000		
Copper, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Copper, total	ug/L	MW-36	04/15/2019	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Copper, total	ug/L	MW-36	04/22/2020		11.3000		
Copper, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Copper, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Copper, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Copper, total	ug/L	MW-36	04/25/2022		6.8000		
Copper, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Copper, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Copper, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Copper, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Copper, total	ug/L	MW-36	10/10/2024		19.2000		*
Copper, total	ug/L	MW-36	04/15/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-36	07/08/2015	ND	4.0000		
Lead, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Lead, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Lead, total	ug/L	MW-36	04/21/2017	ND	4.0000		
Lead, total	ug/L	MW-36	10/16/2017	ND	4.0000		
Lead, total	ug/L	MW-36	04/24/2018		4.2000		
Lead, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Lead, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Lead, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Lead, total	ug/L	MW-36	04/22/2020		4.3000		
Lead, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Lead, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Lead, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Lead, total	ug/L	MW-36	04/25/2022	ND	4.0000		
Lead, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Lead, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Lead, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Lead, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Lead, total	ug/L	MW-36	10/10/2024		4.4000		
Lead, total	ug/L	MW-36	04/15/2025	ND	1.0000		*
Nickel, total	ug/L	MW-36	07/08/2015		15.8000		
Nickel, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Nickel, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Nickel, total	ug/L	MW-36	04/21/2017		5.0000		
Nickel, total	ug/L	MW-36	10/16/2017		4.0000		
Nickel, total	ug/L	MW-36	04/24/2018		9.1000		
Nickel, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Nickel, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Nickel, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Nickel, total	ug/L	MW-36	04/22/2020		19.6000		
Nickel, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Nickel, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Nickel, total	ug/L	MW-36	04/25/2022		11.1000		
Nickel, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Nickel, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Nickel, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Nickel, total	ug/L	MW-36	10/10/2024		21.5000		
Nickel, total	ug/L	MW-36	04/15/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-36	07/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Selenium, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Selenium, total	ug/L	MW-36	04/21/2017	ND	4.0000		
Selenium, total	ug/L	MW-36	10/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-36	04/24/2018	ND	4.0000		
Selenium, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Selenium, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Selenium, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Selenium, total	ug/L	MW-36	04/22/2020	ND	4.0000		
Selenium, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Selenium, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Selenium, total	ug/L	MW-36	04/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Selenium, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Selenium, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-36	10/10/2024	ND	4.0000		
Selenium, total	ug/L	MW-36	04/15/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-36	07/08/2015	ND	4.0000		
Silver, total	ug/L	MW-36	04/21/2016	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Silver, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Silver, total	ug/L	MW-36	04/21/2017	ND	4.0000		
Silver, total	ug/L	MW-36	10/16/2017	ND	4.0000		
Silver, total	ug/L	MW-36	04/24/2018	ND	4.0000		
Silver, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Silver, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Silver, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Silver, total	ug/L	MW-36	04/22/2020	ND	4.0000		
Silver, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Silver, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Silver, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Silver, total	ug/L	MW-36	04/25/2022	ND	4.0000		
Silver, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Silver, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Silver, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Silver, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Silver, total	ug/L	MW-36	10/10/2024	ND	4.0000		
Silver, total	ug/L	MW-36	04/15/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-36	07/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	04/21/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	10/17/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	04/21/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	10/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	04/24/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	10/25/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	04/15/2019	ND	2.0000		
Thallium, total	ug/L	MW-36	10/07/2019	ND	2.0000		
Thallium, total	ug/L	MW-36	04/22/2020	ND	2.0000		
Thallium, total	ug/L	MW-36	10/02/2020	ND	2.0000		
Thallium, total	ug/L	MW-36	04/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-36	10/29/2021	ND	2.0000		
Thallium, total	ug/L	MW-36	04/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-36	10/17/2022	ND	2.0000		
Thallium, total	ug/L	MW-36	04/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-36	10/27/2023	ND	2.0000		
Thallium, total	ug/L	MW-36	04/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-36	10/10/2024	ND	2.0000		
Thallium, total	ug/L	MW-36	04/15/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-36	07/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/21/2016	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/17/2016	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/21/2017	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/24/2018	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/25/2018	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/15/2019	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/07/2019	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/22/2020	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/02/2020	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/29/2021	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/17/2022	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/27/2023	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/10/2024		22.4000		
Vanadium, total	ug/L	MW-36	04/15/2025		2.1000		*
Zinc, total	ug/L	MW-36	07/08/2015		13.1000		
Zinc, total	ug/L	MW-36	04/21/2016	ND	20.0000		
Zinc, total	ug/L	MW-36	10/17/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-36	04/21/2017		9.0000		
Zinc, total	ug/L	MW-36	10/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-36	04/24/2018		10.8000		
Zinc, total	ug/L	MW-36	10/25/2018	ND	20.0000		
Zinc, total	ug/L	MW-36	04/15/2019	ND	20.0000		
Zinc, total	ug/L	MW-36	10/07/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-36	04/22/2020		26.8000		
Zinc, total	ug/L	MW-36	10/02/2020	ND	20.0000		
Zinc, total	ug/L	MW-36	04/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-36	10/29/2021	ND	20.0000		
Zinc, total	ug/L	MW-36	04/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-36	10/17/2022	ND	20.0000		
Zinc, total	ug/L	MW-36	04/10/2023	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	MW-36	10/27/2023	ND	20.0000		
Zinc, total	ug/L	MW-36	04/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-36	10/10/2024		38.0000		
Zinc, total	ug/L	MW-36	04/15/2025		5.4000		
Antimony, total	ug/L	MW-37	10/23/2014	ND	2.0000		
Antimony, total	ug/L	MW-37	01/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-37	04/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-37	07/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-37	11/05/2015	ND	2.0000		
Antimony, total	ug/L	MW-37	04/21/2016	ND	2.0000		
Antimony, total	ug/L	MW-37	10/17/2016	ND	2.0000		
Antimony, total	ug/L	MW-37	04/21/2017	ND	2.0000		
Antimony, total	ug/L	MW-37	10/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-37	04/24/2018	ND	2.0000		
Antimony, total	ug/L	MW-37	10/25/2018	ND	2.0000		
Antimony, total	ug/L	MW-37	04/15/2019	ND	2.0000		
Antimony, total	ug/L	MW-37	10/07/2019	ND	2.0000		
Antimony, total	ug/L	MW-37	04/22/2020	ND	2.0000		
Antimony, total	ug/L	MW-37	10/02/2020	ND	2.0000		
Antimony, total	ug/L	MW-37	04/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-37	10/29/2021	ND	2.0000		
Antimony, total	ug/L	MW-37	04/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-37	10/17/2022	ND	2.0000		
Antimony, total	ug/L	MW-37	04/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-37	10/27/2023	ND	2.0000		
Antimony, total	ug/L	MW-37	04/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-37	10/10/2024	ND	2.0000		
Antimony, total	ug/L	MW-37	04/15/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-37	10/23/2014	ND	4.0000		
Arsenic, total	ug/L	MW-37	01/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/21/2017	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/24/2018	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/25/2018	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/27/2023		11.6000		
Arsenic, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/10/2024	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/15/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-37	10/23/2014		216.0000		
Barium, total	ug/L	MW-37	01/08/2015		169.0000		
Barium, total	ug/L	MW-37	04/01/2015		185.0000		
Barium, total	ug/L	MW-37	07/08/2015		141.0000		
Barium, total	ug/L	MW-37	11/05/2015		175.0000		
Barium, total	ug/L	MW-37	04/21/2016		143.0000		
Barium, total	ug/L	MW-37	10/17/2016		154.0000		
Barium, total	ug/L	MW-37	04/21/2017		163.0000		
Barium, total	ug/L	MW-37	10/16/2017		178.0000		
Barium, total	ug/L	MW-37	04/24/2018		142.0000		
Barium, total	ug/L	MW-37	10/25/2018		91.5000		
Barium, total	ug/L	MW-37	04/15/2019		82.0000		
Barium, total	ug/L	MW-37	10/07/2019		102.0000		
Barium, total	ug/L	MW-37	04/22/2020		78.1000		
Barium, total	ug/L	MW-37	10/02/2020		87.9000		
Barium, total	ug/L	MW-37	04/08/2021		51.5000		
Barium, total	ug/L	MW-37	10/29/2021		71.0000		
Barium, total	ug/L	MW-37	04/25/2022		57.0000		
Barium, total	ug/L	MW-37	10/17/2022		75.8000		
Barium, total	ug/L	MW-37	04/10/2023		31.4000		
Barium, total	ug/L	MW-37	10/27/2023		107.0000		
Barium, total	ug/L	MW-37	04/02/2024		51.9000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Barium, total	ug/L	MW-37	10/10/2024		67.6000		
Barium, total	ug/L	MW-37	04/15/2025		43.9000		
Beryllium, total	ug/L	MW-37	10/23/2014	ND	4.0000		
Beryllium, total	ug/L	MW-37	01/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/21/2017	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/24/2018	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/25/2018	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/27/2023	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/10/2024	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/15/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-37	10/23/2014	ND	0.8000		
Cadmium, total	ug/L	MW-37	01/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-37	07/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-37	11/05/2015	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/21/2016	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/17/2016	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/21/2017	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/16/2017	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/24/2018	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/25/2018	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/15/2019	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/07/2019	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/22/2020	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/02/2020	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/29/2021	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/17/2022	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/27/2023	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/10/2024	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/15/2025	ND	0.2000		*
Chromium, total	ug/L	MW-37	10/23/2014	ND	8.0000		
Chromium, total	ug/L	MW-37	01/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-37	04/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-37	07/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-37	11/05/2015	ND	8.0000		
Chromium, total	ug/L	MW-37	04/21/2016	ND	8.0000		
Chromium, total	ug/L	MW-37	10/17/2016	ND	8.0000		
Chromium, total	ug/L	MW-37	04/21/2017		20.3000		
Chromium, total	ug/L	MW-37	10/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-37	04/24/2018	ND	8.0000		
Chromium, total	ug/L	MW-37	10/25/2018	ND	8.0000		
Chromium, total	ug/L	MW-37	04/15/2019	ND	8.0000		
Chromium, total	ug/L	MW-37	10/07/2019	ND	8.0000		
Chromium, total	ug/L	MW-37	04/22/2020	ND	8.0000		
Chromium, total	ug/L	MW-37	10/02/2020	ND	8.0000		
Chromium, total	ug/L	MW-37	04/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-37	10/29/2021	ND	8.0000		
Chromium, total	ug/L	MW-37	04/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-37	10/17/2022	ND	8.0000		
Chromium, total	ug/L	MW-37	04/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-37	10/27/2023	ND	8.0000		
Chromium, total	ug/L	MW-37	04/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-37	10/10/2024	ND	8.0000		
Chromium, total	ug/L	MW-37	04/15/2025		2.1000		*

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, total	ug/L	MW-37	10/23/2014	ND	0.8000		
Cobalt, total	ug/L	MW-37	01/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-37	04/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-37	07/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-37	11/05/2015	ND	0.8000		
Cobalt, total	ug/L	MW-37	04/21/2016	ND	0.8000		
Cobalt, total	ug/L	MW-37	10/17/2016	ND	0.8000		
Cobalt, total	ug/L	MW-37	04/21/2017	ND	0.8000		
Cobalt, total	ug/L	MW-37	10/16/2017	ND	0.8000		
Cobalt, total	ug/L	MW-37	04/24/2018	ND	0.8000		
Cobalt, total	ug/L	MW-37	10/25/2018	ND	0.8000		
Cobalt, total	ug/L	MW-37	04/15/2019	ND	0.8000		
Cobalt, total	ug/L	MW-37	10/07/2019	ND	0.8000		
Cobalt, total	ug/L	MW-37	04/22/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-37	10/02/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-37	04/08/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-37	10/29/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-37	04/25/2022		0.4000		
Cobalt, total	ug/L	MW-37	10/17/2022		2.2000		
Cobalt, total	ug/L	MW-37	04/10/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-37	10/27/2023		9.6000		*
Cobalt, total	ug/L	MW-37	04/02/2024		0.6000		
Cobalt, total	ug/L	MW-37	10/10/2024		4.4000		*
Cobalt, total	ug/L	MW-37	04/15/2025	ND	0.5000	0.8000	**
Copper, total	ug/L	MW-37	10/23/2014		4.1000		
Copper, total	ug/L	MW-37	01/08/2015	ND	4.0000		
Copper, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Copper, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Copper, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Copper, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Copper, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Copper, total	ug/L	MW-37	04/21/2017	ND	4.0000		
Copper, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Copper, total	ug/L	MW-37	04/24/2018	ND	4.0000		
Copper, total	ug/L	MW-37	10/25/2018		13.7000		*
Copper, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Copper, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Copper, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Copper, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Copper, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Copper, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Copper, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Copper, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Copper, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Copper, total	ug/L	MW-37	10/27/2023	ND	4.0000		
Copper, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Copper, total	ug/L	MW-37	10/10/2024	ND	4.0000		
Copper, total	ug/L	MW-37	04/15/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-37	10/23/2014	ND	4.0000		
Lead, total	ug/L	MW-37	01/08/2015	ND	4.0000		
Lead, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Lead, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Lead, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Lead, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Lead, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Lead, total	ug/L	MW-37	04/21/2017		22.7000		*
Lead, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Lead, total	ug/L	MW-37	04/24/2018	ND	4.0000		
Lead, total	ug/L	MW-37	10/25/2018	ND	4.0000		
Lead, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Lead, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Lead, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Lead, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Lead, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Lead, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Lead, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Lead, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Lead, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Lead, total	ug/L	MW-37	10/27/2023	ND	4.0000		
Lead, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Lead, total	ug/L	MW-37	10/10/2024	ND	4.0000		
Lead, total	ug/L	MW-37	04/15/2025	ND	1.0000		*
Nickel, total	ug/L	MW-37	10/23/2014	ND	4.0000		
Nickel, total	ug/L	MW-37	01/08/2015	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Nickel, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Nickel, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Nickel, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Nickel, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Nickel, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Nickel, total	ug/L	MW-37	04/21/2017	ND	4.0000		
Nickel, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Nickel, total	ug/L	MW-37	04/24/2018	ND	4.0000		
Nickel, total	ug/L	MW-37	10/25/2018	ND	4.0000		
Nickel, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Nickel, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Nickel, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Nickel, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Nickel, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Nickel, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Nickel, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Nickel, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-37	10/27/2023		13.9000		*
Nickel, total	ug/L	MW-37	04/02/2024	ND	4.0000		*
Nickel, total	ug/L	MW-37	10/10/2024		18.7000		*
Nickel, total	ug/L	MW-37	04/15/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-37	10/23/2014	ND	4.0000		
Selenium, total	ug/L	MW-37	01/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Selenium, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Selenium, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Selenium, total	ug/L	MW-37	04/21/2017	ND	4.0000		
Selenium, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-37	04/24/2018		8.9000		*
Selenium, total	ug/L	MW-37	10/25/2018	ND	4.0000		
Selenium, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Selenium, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Selenium, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Selenium, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Selenium, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Selenium, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Selenium, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-37	10/27/2023	ND	4.0000		
Selenium, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-37	10/10/2024	ND	4.0000		
Selenium, total	ug/L	MW-37	04/15/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-37	10/23/2014	ND	4.0000		
Silver, total	ug/L	MW-37	01/08/2015	ND	4.0000		
Silver, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Silver, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Silver, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Silver, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Silver, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Silver, total	ug/L	MW-37	04/21/2017	ND	4.0000		
Silver, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Silver, total	ug/L	MW-37	04/24/2018	ND	4.0000		
Silver, total	ug/L	MW-37	10/25/2018	ND	4.0000		
Silver, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Silver, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Silver, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Silver, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Silver, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Silver, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Silver, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Silver, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Silver, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Silver, total	ug/L	MW-37	10/27/2023	ND	4.0000		
Silver, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Silver, total	ug/L	MW-37	10/10/2024	ND	4.0000		
Silver, total	ug/L	MW-37	04/15/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-37	10/23/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	01/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	04/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	07/08/2015	ND	4.0000	2.0000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium, total	ug/L	MW-37	11/05/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	04/21/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	10/17/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	04/21/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	10/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	04/24/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	10/25/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	04/15/2019	ND	2.0000		
Thallium, total	ug/L	MW-37	10/07/2019	ND	2.0000		
Thallium, total	ug/L	MW-37	04/22/2020	ND	2.0000		
Thallium, total	ug/L	MW-37	10/02/2020	ND	2.0000		
Thallium, total	ug/L	MW-37	04/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-37	10/29/2021	ND	2.0000		
Thallium, total	ug/L	MW-37	04/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-37	10/17/2022	ND	2.0000		
Thallium, total	ug/L	MW-37	04/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-37	10/27/2023	ND	2.0000		
Thallium, total	ug/L	MW-37	04/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-37	10/10/2024	ND	2.0000		
Thallium, total	ug/L	MW-37	04/15/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-37	10/23/2014	ND	20.0000		
Vanadium, total	ug/L	MW-37	01/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-37	07/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-37	11/05/2015	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/21/2016	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/17/2016	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/21/2017	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/24/2018	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/25/2018	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/15/2019	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/07/2019	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/22/2020	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/02/2020	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/29/2021	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/17/2022	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/27/2023	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/10/2024	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/15/2025	ND	2.0000		*
Zinc, total	ug/L	MW-37	10/23/2014	ND	20.0000		
Zinc, total	ug/L	MW-37	01/08/2015		14.5000		
Zinc, total	ug/L	MW-37	04/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	07/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	11/05/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	04/21/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	10/17/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	04/21/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	10/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	04/24/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	10/25/2018	ND	20.0000		
Zinc, total	ug/L	MW-37	04/15/2019	ND	20.0000		
Zinc, total	ug/L	MW-37	10/07/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	04/22/2020	ND	20.0000		
Zinc, total	ug/L	MW-37	10/02/2020	ND	20.0000		
Zinc, total	ug/L	MW-37	04/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-37	10/29/2021	ND	20.0000		
Zinc, total	ug/L	MW-37	04/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-37	10/17/2022	ND	20.0000		
Zinc, total	ug/L	MW-37	04/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-37	10/27/2023		22.2000		
Zinc, total	ug/L	MW-37	04/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-37	10/10/2024	ND	20.0000		
Zinc, total	ug/L	MW-37	04/15/2025	ND	5.0000	20.0000	**
Antimony, total	ug/L	MW-39	10/23/2014	ND	2.0000		
Antimony, total	ug/L	MW-39	01/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	04/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	07/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	11/05/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	04/21/2016	ND	2.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-39	10/17/2016	ND	2.0000		
Antimony, total	ug/L	MW-39	04/21/2017	ND	2.0000		
Antimony, total	ug/L	MW-39	10/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-39	04/24/2018	ND	2.0000		
Antimony, total	ug/L	MW-39	10/25/2018	ND	2.0000		
Antimony, total	ug/L	MW-39	04/15/2019	ND	2.0000		
Antimony, total	ug/L	MW-39	10/07/2019	ND	2.0000		
Antimony, total	ug/L	MW-39	04/22/2020	ND	2.0000		
Antimony, total	ug/L	MW-39	10/02/2020	ND	2.0000		
Antimony, total	ug/L	MW-39	04/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-39	10/29/2021	ND	2.0000		
Antimony, total	ug/L	MW-39	04/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-39	10/17/2022	ND	2.0000		
Antimony, total	ug/L	MW-39	04/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-39	10/27/2023	ND	2.0000		
Antimony, total	ug/L	MW-39	04/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-39	10/10/2024	ND	2.0000		
Antimony, total	ug/L	MW-39	04/15/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Arsenic, total	ug/L	MW-39	01/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	11/05/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/02/2024	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/15/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-39	10/23/2014		287.0000		
Barium, total	ug/L	MW-39	01/08/2015		309.0000		
Barium, total	ug/L	MW-39	04/01/2015		272.0000		
Barium, total	ug/L	MW-39	07/08/2015		249.0000		
Barium, total	ug/L	MW-39	11/05/2015		383.0000		
Barium, total	ug/L	MW-39	04/21/2016		266.0000		
Barium, total	ug/L	MW-39	10/17/2016		257.0000		
Barium, total	ug/L	MW-39	04/21/2017		253.0000		
Barium, total	ug/L	MW-39	10/16/2017		268.0000		
Barium, total	ug/L	MW-39	04/24/2018		273.0000		
Barium, total	ug/L	MW-39	10/25/2018		248.0000		
Barium, total	ug/L	MW-39	04/15/2019		251.0000		
Barium, total	ug/L	MW-39	10/07/2019		264.0000		
Barium, total	ug/L	MW-39	04/22/2020		323.0000		
Barium, total	ug/L	MW-39	10/02/2020		222.0000		
Barium, total	ug/L	MW-39	04/08/2021		230.0000		
Barium, total	ug/L	MW-39	10/29/2021		255.0000		
Barium, total	ug/L	MW-39	04/25/2022		232.0000		
Barium, total	ug/L	MW-39	10/17/2022		239.0000		
Barium, total	ug/L	MW-39	04/10/2023		238.0000		
Barium, total	ug/L	MW-39	10/27/2023		225.0000		
Barium, total	ug/L	MW-39	04/02/2024		254.0000		
Barium, total	ug/L	MW-39	10/10/2024		253.0000		
Barium, total	ug/L	MW-39	04/15/2025		287.0000		
Beryllium, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Beryllium, total	ug/L	MW-39	01/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	11/05/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/21/2017	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/15/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-39	10/23/2014	ND	0.8000		
Cadmium, total	ug/L	MW-39	01/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	07/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	11/05/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/21/2016	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/17/2016	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/21/2017	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/16/2017	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/24/2018	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/25/2018	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/15/2019	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/07/2019	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/22/2020	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/02/2020	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/29/2021	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/17/2022	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/27/2023	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/10/2024	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/15/2025	ND	0.2000		*
Chromium, total	ug/L	MW-39	10/23/2014	ND	8.0000		
Chromium, total	ug/L	MW-39	01/08/2015		29.6000		*
Chromium, total	ug/L	MW-39	04/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-39	07/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-39	11/05/2015	ND	8.0000		
Chromium, total	ug/L	MW-39	04/21/2016	ND	8.0000		
Chromium, total	ug/L	MW-39	10/17/2016	ND	8.0000		
Chromium, total	ug/L	MW-39	04/21/2017	ND	8.0000		
Chromium, total	ug/L	MW-39	10/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-39	04/24/2018	ND	8.0000		
Chromium, total	ug/L	MW-39	10/25/2018	ND	8.0000		
Chromium, total	ug/L	MW-39	04/15/2019	ND	8.0000		
Chromium, total	ug/L	MW-39	10/07/2019	ND	8.0000		
Chromium, total	ug/L	MW-39	04/22/2020	ND	8.0000		
Chromium, total	ug/L	MW-39	10/02/2020	ND	8.0000		
Chromium, total	ug/L	MW-39	04/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-39	10/29/2021	ND	8.0000		
Chromium, total	ug/L	MW-39	04/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-39	10/17/2022	ND	8.0000		
Chromium, total	ug/L	MW-39	04/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-39	10/27/2023	ND	8.0000		
Chromium, total	ug/L	MW-39	04/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-39	10/10/2024	ND	8.0000		
Chromium, total	ug/L	MW-39	04/15/2025		1.2000		*
Cobalt, total	ug/L	MW-39	10/23/2014	ND	0.8000		
Cobalt, total	ug/L	MW-39	01/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-39	04/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-39	07/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-39	11/05/2015		3.3000		*
Cobalt, total	ug/L	MW-39	04/21/2016	ND	0.8000		
Cobalt, total	ug/L	MW-39	10/17/2016	ND	0.8000		
Cobalt, total	ug/L	MW-39	04/21/2017	ND	0.8000		
Cobalt, total	ug/L	MW-39	10/16/2017	ND	0.8000		
Cobalt, total	ug/L	MW-39	04/24/2018	ND	0.8000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, total	ug/L	MW-39	10/25/2018	ND	0.8000		
Cobalt, total	ug/L	MW-39	04/15/2019	ND	0.8000		
Cobalt, total	ug/L	MW-39	10/07/2019	ND	0.8000		
Cobalt, total	ug/L	MW-39	04/22/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	10/02/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	04/08/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	10/29/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	04/25/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	10/17/2022		1.5000		
Cobalt, total	ug/L	MW-39	04/10/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	10/27/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	04/02/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	10/10/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	04/15/2025	ND	0.5000	0.8000	**
Copper, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Copper, total	ug/L	MW-39	01/08/2015	ND	4.0000		
Copper, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Copper, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Copper, total	ug/L	MW-39	11/05/2015	ND	4.0000		
Copper, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Copper, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Copper, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Copper, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Copper, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Copper, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Copper, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Copper, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Copper, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Copper, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Copper, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Copper, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Copper, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Copper, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Copper, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Copper, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Copper, total	ug/L	MW-39	04/02/2024		126.0000		*
Copper, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Copper, total	ug/L	MW-39	04/15/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Lead, total	ug/L	MW-39	01/08/2015	ND	4.0000		
Lead, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Lead, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Lead, total	ug/L	MW-39	11/05/2015	ND	4.0000		
Lead, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Lead, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Lead, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Lead, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Lead, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Lead, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Lead, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Lead, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Lead, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Lead, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Lead, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Lead, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Lead, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Lead, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Lead, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Lead, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Lead, total	ug/L	MW-39	04/02/2024	ND	4.0000		
Lead, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Lead, total	ug/L	MW-39	04/15/2025	ND	1.0000		*
Nickel, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Nickel, total	ug/L	MW-39	01/08/2015		20.5000		*
Nickel, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Nickel, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Nickel, total	ug/L	MW-39	11/05/2015		7.0000		
Nickel, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Nickel, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Nickel, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Nickel, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Nickel, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Nickel, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Nickel, total	ug/L	MW-39	04/15/2019	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Nickel, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Nickel, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Nickel, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Nickel, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Nickel, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Nickel, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Nickel, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Nickel, total	ug/L	MW-39	04/02/2024	ND	4.0000		
Nickel, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Nickel, total	ug/L	MW-39	04/15/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Selenium, total	ug/L	MW-39	01/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	11/05/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Selenium, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Selenium, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Selenium, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Selenium, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Selenium, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Selenium, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Selenium, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Selenium, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Selenium, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Selenium, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Selenium, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Selenium, total	ug/L	MW-39	04/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Selenium, total	ug/L	MW-39	04/15/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Silver, total	ug/L	MW-39	01/08/2015	ND	4.0000		
Silver, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Silver, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Silver, total	ug/L	MW-39	11/05/2015	ND	4.0000		
Silver, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Silver, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Silver, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Silver, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Silver, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Silver, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Silver, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Silver, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Silver, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Silver, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Silver, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Silver, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Silver, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Silver, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Silver, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Silver, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Silver, total	ug/L	MW-39	04/02/2024	ND	4.0000		
Silver, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Silver, total	ug/L	MW-39	04/15/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-39	10/23/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	01/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	04/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	07/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	11/05/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	04/21/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	10/17/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	04/21/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	10/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	04/24/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	10/25/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	04/15/2019	ND	2.0000		
Thallium, total	ug/L	MW-39	10/07/2019	ND	2.0000		
Thallium, total	ug/L	MW-39	04/22/2020	ND	2.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium, total	ug/L	MW-39	10/02/2020	ND	2.0000		
Thallium, total	ug/L	MW-39	04/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-39	10/29/2021	ND	2.0000		
Thallium, total	ug/L	MW-39	04/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-39	10/17/2022	ND	2.0000		
Thallium, total	ug/L	MW-39	04/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-39	10/27/2023	ND	2.0000		
Thallium, total	ug/L	MW-39	04/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-39	10/10/2024	ND	2.0000		
Thallium, total	ug/L	MW-39	04/15/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-39	10/23/2014	ND	20.0000		
Vanadium, total	ug/L	MW-39	01/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	07/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	11/05/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/21/2016	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/17/2016	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/21/2017	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/24/2018	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/25/2018	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/15/2019	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/07/2019	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/22/2020	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/02/2020	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/29/2021	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/17/2022	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/27/2023	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/10/2024	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/15/2025	ND	2.0000		*
Zinc, total	ug/L	MW-39	10/23/2014	ND	20.0000		
Zinc, total	ug/L	MW-39	01/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	04/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	07/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	11/05/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	04/21/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	10/17/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	04/21/2017		25.8000		
Zinc, total	ug/L	MW-39	10/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	04/24/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	10/25/2018	ND	20.0000		
Zinc, total	ug/L	MW-39	04/15/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	10/07/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	04/22/2020	ND	20.0000		
Zinc, total	ug/L	MW-39	10/02/2020	ND	20.0000		
Zinc, total	ug/L	MW-39	04/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-39	10/29/2021	ND	20.0000		
Zinc, total	ug/L	MW-39	04/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-39	10/17/2022	ND	20.0000		
Zinc, total	ug/L	MW-39	04/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-39	10/27/2023	ND	20.0000		
Zinc, total	ug/L	MW-39	04/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-39	10/10/2024	ND	20.0000		
Zinc, total	ug/L	MW-39	04/15/2025	ND	5.0000	20.0000	**
Antimony, total	ug/L	MW-40	10/23/2014	ND	2.0000		
Antimony, total	ug/L	MW-40	01/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-40	03/31/2015	ND	2.0000		
Antimony, total	ug/L	MW-40	07/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-40	11/05/2015	ND	2.0000		
Antimony, total	ug/L	MW-40	04/21/2016	ND	2.0000		
Antimony, total	ug/L	MW-40	10/17/2016	ND	2.0000		
Antimony, total	ug/L	MW-40	04/21/2017	ND	2.0000		
Antimony, total	ug/L	MW-40	10/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-40	04/24/2018	ND	2.0000		
Antimony, total	ug/L	MW-40	10/25/2018	ND	2.0000		
Antimony, total	ug/L	MW-40	04/15/2019	ND	2.0000		
Antimony, total	ug/L	MW-40	10/07/2019	ND	2.0000		
Antimony, total	ug/L	MW-40	04/22/2020	ND	2.0000		
Antimony, total	ug/L	MW-40	10/02/2020	ND	2.0000		
Antimony, total	ug/L	MW-40	04/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-40	10/29/2021	ND	2.0000		
Antimony, total	ug/L	MW-40	04/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-40	10/17/2022	ND	2.0000		
Antimony, total	ug/L	MW-40	04/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-40	10/27/2023	ND	2.0000		
Antimony, total	ug/L	MW-40	04/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-40	10/10/2024	ND	2.0000		
Antimony, total	ug/L	MW-40	04/08/2021	ND	2.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-40	10/29/2021	ND	2.0000		
Antimony, total	ug/L	MW-40	04/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-40	10/17/2022	ND	2.0000		
Antimony, total	ug/L	MW-40	04/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-40	10/27/2023	ND	2.0000		
Antimony, total	ug/L	MW-40	04/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-40	10/10/2024	ND	2.0000		
Antimony, total	ug/L	MW-40	04/15/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-40	10/23/2014	ND	4.0000		
Arsenic, total	ug/L	MW-40	01/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-40	03/31/2015	ND	4.0000		
Arsenic, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Arsenic, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Arsenic, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Arsenic, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Arsenic, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Arsenic, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Arsenic, total	ug/L	MW-40	04/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/29/2021		4.3000		
Arsenic, total	ug/L	MW-40	04/25/2022	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/17/2022		8.1000		
Arsenic, total	ug/L	MW-40	04/10/2023		5.9000		
Arsenic, total	ug/L	MW-40	10/27/2023		5.3000		
Arsenic, total	ug/L	MW-40	04/02/2024	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/10/2024		4.3000		
Arsenic, total	ug/L	MW-40	04/15/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-40	10/23/2014		65.4000		
Barium, total	ug/L	MW-40	01/08/2015		85.3000		
Barium, total	ug/L	MW-40	03/31/2015		96.6000		
Barium, total	ug/L	MW-40	07/08/2015		71.0000		
Barium, total	ug/L	MW-40	11/05/2015		89.1000		
Barium, total	ug/L	MW-40	04/21/2016		74.0000		
Barium, total	ug/L	MW-40	10/17/2016		83.2000		
Barium, total	ug/L	MW-40	04/21/2017		82.9000		
Barium, total	ug/L	MW-40	10/16/2017		45.4000		
Barium, total	ug/L	MW-40	04/24/2018		39.7000		
Barium, total	ug/L	MW-40	10/25/2018		56.3000		
Barium, total	ug/L	MW-40	04/15/2019		35.7000		
Barium, total	ug/L	MW-40	10/07/2019		50.7000		
Barium, total	ug/L	MW-40	04/22/2020		47.5000		
Barium, total	ug/L	MW-40	10/02/2020		47.8000		
Barium, total	ug/L	MW-40	04/08/2021		83.4000		
Barium, total	ug/L	MW-40	10/29/2021		72.2000		
Barium, total	ug/L	MW-40	04/25/2022		27.9000		
Barium, total	ug/L	MW-40	10/17/2022		103.0000		
Barium, total	ug/L	MW-40	04/10/2023		42.8000		
Barium, total	ug/L	MW-40	10/27/2023		46.9000		
Barium, total	ug/L	MW-40	04/02/2024		36.4000		
Barium, total	ug/L	MW-40	10/10/2024		34.2000		
Barium, total	ug/L	MW-40	04/15/2025		46.7000		
Beryllium, total	ug/L	MW-40	10/23/2014	ND	4.0000		
Beryllium, total	ug/L	MW-40	01/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-40	03/31/2015	ND	4.0000		
Beryllium, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/29/2021	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/25/2022	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-40	10/17/2022	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/27/2023	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/10/2024	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/15/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-40	10/23/2014	ND	0.8000		
Cadmium, total	ug/L	MW-40	01/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-40	03/31/2015	ND	0.8000		
Cadmium, total	ug/L	MW-40	07/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-40	11/05/2015	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/21/2016	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/17/2016	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/21/2017	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/16/2017	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/24/2018	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/25/2018	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/15/2019	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/07/2019	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/22/2020	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/02/2020	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/29/2021		0.9000		
Cadmium, total	ug/L	MW-40	04/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/17/2022	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/27/2023	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/10/2024	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/15/2025	ND	0.2000		*
Chromium, total	ug/L	MW-40	10/23/2014	ND	8.0000		
Chromium, total	ug/L	MW-40	01/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-40	03/31/2015	ND	8.0000		
Chromium, total	ug/L	MW-40	07/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-40	11/05/2015	ND	8.0000		
Chromium, total	ug/L	MW-40	04/21/2016	ND	8.0000		
Chromium, total	ug/L	MW-40	10/17/2016	ND	8.0000		
Chromium, total	ug/L	MW-40	04/21/2017	ND	8.0000		
Chromium, total	ug/L	MW-40	10/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-40	04/24/2018	ND	8.0000		
Chromium, total	ug/L	MW-40	10/25/2018	ND	8.0000		
Chromium, total	ug/L	MW-40	04/15/2019	ND	8.0000		
Chromium, total	ug/L	MW-40	10/07/2019	ND	8.0000		
Chromium, total	ug/L	MW-40	04/22/2020	ND	8.0000		
Chromium, total	ug/L	MW-40	10/02/2020	ND	8.0000		
Chromium, total	ug/L	MW-40	04/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-40	10/29/2021	ND	8.0000		
Chromium, total	ug/L	MW-40	04/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-40	10/17/2022	ND	8.0000		
Chromium, total	ug/L	MW-40	04/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-40	10/27/2023	ND	8.0000		
Chromium, total	ug/L	MW-40	04/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-40	10/10/2024	ND	8.0000		
Chromium, total	ug/L	MW-40	04/15/2025		1.2000		*
Cobalt, total	ug/L	MW-40	10/23/2014	ND	0.8000		
Cobalt, total	ug/L	MW-40	01/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-40	03/31/2015	ND	0.8000		
Cobalt, total	ug/L	MW-40	07/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-40	11/05/2015	ND	0.8000		
Cobalt, total	ug/L	MW-40	04/21/2016	ND	0.8000		
Cobalt, total	ug/L	MW-40	10/17/2016	ND	0.8000		
Cobalt, total	ug/L	MW-40	04/21/2017	ND	0.8000		
Cobalt, total	ug/L	MW-40	10/16/2017	ND	0.8000		
Cobalt, total	ug/L	MW-40	04/24/2018	ND	0.8000		
Cobalt, total	ug/L	MW-40	10/25/2018	ND	0.8000		
Cobalt, total	ug/L	MW-40	04/15/2019	ND	0.8000		
Cobalt, total	ug/L	MW-40	10/07/2019	ND	0.8000		
Cobalt, total	ug/L	MW-40	04/22/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-40	10/02/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-40	04/08/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-40	10/29/2021		4.5000		
Cobalt, total	ug/L	MW-40	04/25/2022		5.6000		
Cobalt, total	ug/L	MW-40	10/17/2022		8.3000		
Cobalt, total	ug/L	MW-40	04/10/2023		10.2000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, total	ug/L	MW-40	10/27/2023		4.7000		
Cobalt, total	ug/L	MW-40	04/02/2024		0.5000		
Cobalt, total	ug/L	MW-40	10/10/2024		5.8000		
Cobalt, total	ug/L	MW-40	04/15/2025		3.2000		
Copper, total	ug/L	MW-40	10/23/2014	ND	4.0000		
Copper, total	ug/L	MW-40	01/08/2015	ND	4.0000		
Copper, total	ug/L	MW-40	03/31/2015	ND	4.0000		
Copper, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Copper, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Copper, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Copper, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Copper, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Copper, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Copper, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Copper, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Copper, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Copper, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Copper, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Copper, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Copper, total	ug/L	MW-40	04/08/2021	ND	4.0000		
Copper, total	ug/L	MW-40	10/29/2021		5.1000		
Copper, total	ug/L	MW-40	04/25/2022	ND	4.0000		
Copper, total	ug/L	MW-40	10/17/2022	ND	4.0000		
Copper, total	ug/L	MW-40	04/10/2023	ND	4.0000		
Copper, total	ug/L	MW-40	10/27/2023	ND	4.0000		
Copper, total	ug/L	MW-40	04/02/2024		8.5000		
Copper, total	ug/L	MW-40	10/10/2024	ND	4.0000		
Copper, total	ug/L	MW-40	04/15/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-40	10/23/2014	ND	4.0000		
Lead, total	ug/L	MW-40	01/08/2015	ND	4.0000		
Lead, total	ug/L	MW-40	03/31/2015	ND	4.0000		
Lead, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Lead, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Lead, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Lead, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Lead, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Lead, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Lead, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Lead, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Lead, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Lead, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Lead, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Lead, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Lead, total	ug/L	MW-40	04/08/2021	ND	4.0000		
Lead, total	ug/L	MW-40	10/29/2021	ND	4.0000		
Lead, total	ug/L	MW-40	04/25/2022	ND	4.0000		
Lead, total	ug/L	MW-40	10/17/2022	ND	4.0000		
Lead, total	ug/L	MW-40	04/10/2023	ND	4.0000		
Lead, total	ug/L	MW-40	10/27/2023	ND	4.0000		
Lead, total	ug/L	MW-40	04/02/2024	ND	4.0000		
Lead, total	ug/L	MW-40	10/10/2024	ND	4.0000		
Lead, total	ug/L	MW-40	04/15/2025	ND	1.0000		*
Nickel, total	ug/L	MW-40	10/23/2014	ND	4.0000		
Nickel, total	ug/L	MW-40	01/08/2015	ND	4.0000		
Nickel, total	ug/L	MW-40	03/31/2015	ND	4.0000		
Nickel, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Nickel, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Nickel, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Nickel, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Nickel, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Nickel, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Nickel, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Nickel, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Nickel, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Nickel, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Nickel, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Nickel, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Nickel, total	ug/L	MW-40	04/08/2021		5.0000		
Nickel, total	ug/L	MW-40	10/29/2021		31.9000		
Nickel, total	ug/L	MW-40	04/25/2022		18.3000		
Nickel, total	ug/L	MW-40	10/17/2022		22.1000		
Nickel, total	ug/L	MW-40	04/10/2023		16.7000		
Nickel, total	ug/L	MW-40	10/27/2023		17.0000		
Nickel, total	ug/L	MW-40	04/02/2024		16.8000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Nickel, total	ug/L	MW-40	10/10/2024		15.4000		
Nickel, total	ug/L	MW-40	04/15/2025		16.3000		
Selenium, total	ug/L	MW-40	10/23/2014		4.6000		
Selenium, total	ug/L	MW-40	01/08/2015		4.8000		
Selenium, total	ug/L	MW-40	03/31/2015		4.9000		
Selenium, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Selenium, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Selenium, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Selenium, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Selenium, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Selenium, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Selenium, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Selenium, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Selenium, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Selenium, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Selenium, total	ug/L	MW-40	04/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-40	10/29/2021	ND	4.0000		
Selenium, total	ug/L	MW-40	04/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-40	10/17/2022	ND	4.0000		
Selenium, total	ug/L	MW-40	04/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-40	10/27/2023	ND	4.0000		
Selenium, total	ug/L	MW-40	04/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-40	10/10/2024	ND	4.0000		
Selenium, total	ug/L	MW-40	04/15/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-40	10/23/2014	ND	4.0000		
Silver, total	ug/L	MW-40	01/08/2015	ND	4.0000		
Silver, total	ug/L	MW-40	03/31/2015	ND	4.0000		
Silver, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Silver, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Silver, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Silver, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Silver, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Silver, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Silver, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Silver, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Silver, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Silver, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Silver, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Silver, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Silver, total	ug/L	MW-40	04/08/2021	ND	4.0000		
Silver, total	ug/L	MW-40	10/29/2021	ND	4.0000		
Silver, total	ug/L	MW-40	04/25/2022	ND	4.0000		
Silver, total	ug/L	MW-40	10/17/2022	ND	4.0000		
Silver, total	ug/L	MW-40	04/10/2023	ND	4.0000		
Silver, total	ug/L	MW-40	10/27/2023	ND	4.0000		
Silver, total	ug/L	MW-40	04/02/2024	ND	4.0000		
Silver, total	ug/L	MW-40	10/10/2024	ND	4.0000		
Silver, total	ug/L	MW-40	04/15/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-40	10/23/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	01/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	03/31/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	07/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	11/05/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	04/21/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	10/17/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	04/21/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	10/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	04/24/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	10/25/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	04/15/2019	ND	2.0000		
Thallium, total	ug/L	MW-40	10/07/2019	ND	2.0000		
Thallium, total	ug/L	MW-40	04/22/2020	ND	2.0000		
Thallium, total	ug/L	MW-40	10/02/2020	ND	2.0000		
Thallium, total	ug/L	MW-40	04/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-40	10/29/2021	ND	2.0000		
Thallium, total	ug/L	MW-40	04/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-40	10/17/2022	ND	2.0000		
Thallium, total	ug/L	MW-40	04/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-40	10/27/2023	ND	2.0000		
Thallium, total	ug/L	MW-40	04/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-40	10/10/2024	ND	2.0000		
Thallium, total	ug/L	MW-40	04/15/2025	ND	0.5000		*

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Vanadium, total	ug/L	MW-40	10/23/2014	ND	20.0000		
Vanadium, total	ug/L	MW-40	01/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-40	03/31/2015	ND	20.0000		
Vanadium, total	ug/L	MW-40	07/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-40	11/05/2015	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/21/2016	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/17/2016	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/21/2017	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/24/2018	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/25/2018	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/15/2019	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/07/2019	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/22/2020	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/02/2020	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/29/2021	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/17/2022	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/27/2023	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/10/2024	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/15/2025	ND	2.0000		*
Zinc, total	ug/L	MW-40	10/23/2014	ND	20.0000		
Zinc, total	ug/L	MW-40	01/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	03/31/2015		12.8000		
Zinc, total	ug/L	MW-40	07/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	11/05/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	04/21/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	10/17/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	04/21/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	10/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	04/24/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	10/25/2018	ND	20.0000		
Zinc, total	ug/L	MW-40	04/15/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	10/07/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	04/22/2020	ND	20.0000		
Zinc, total	ug/L	MW-40	10/02/2020	ND	20.0000		
Zinc, total	ug/L	MW-40	04/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-40	10/29/2021	ND	20.0000		
Zinc, total	ug/L	MW-40	04/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-40	10/17/2022	ND	20.0000		
Zinc, total	ug/L	MW-40	04/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-40	10/27/2023	ND	20.0000		
Zinc, total	ug/L	MW-40	04/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-40	10/10/2024	ND	20.0000		
Zinc, total	ug/L	MW-40	04/15/2025		7.0000		
Antimony, total	ug/L	MW-47	10/23/2014	ND	2.0000		
Antimony, total	ug/L	MW-47	03/31/2015	ND	2.0000		
Antimony, total	ug/L	MW-47	07/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-47	11/05/2015	ND	2.0000		
Antimony, total	ug/L	MW-47	04/21/2016	ND	2.0000		
Antimony, total	ug/L	MW-47	10/17/2016	ND	2.0000		
Antimony, total	ug/L	MW-47	04/21/2017	ND	2.0000		
Antimony, total	ug/L	MW-47	10/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-47	04/24/2018	ND	2.0000		
Antimony, total	ug/L	MW-47	10/25/2018	ND	2.0000		
Antimony, total	ug/L	MW-47	04/15/2019	ND	2.0000		
Antimony, total	ug/L	MW-47	10/07/2019	ND	2.0000		
Antimony, total	ug/L	MW-47	04/22/2020	ND	2.0000		
Antimony, total	ug/L	MW-47	10/01/2020	ND	2.0000		
Antimony, total	ug/L	MW-47	04/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-47	10/29/2021	ND	2.0000		
Antimony, total	ug/L	MW-47	04/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-47	10/17/2022	ND	2.0000		
Antimony, total	ug/L	MW-47	04/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-47	10/27/2023	ND	2.0000		
Antimony, total	ug/L	MW-47	04/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-47	10/10/2024	ND	2.0000		
Antimony, total	ug/L	MW-47	04/15/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-47	10/23/2014		40.0000		
Arsenic, total	ug/L	MW-47	03/31/2015		153.0000		*
Arsenic, total	ug/L	MW-47	07/08/2015		165.0000		*

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic, total	ug/L	MW-47	11/05/2015		89.3000		
Arsenic, total	ug/L	MW-47	04/21/2016		1730.0000		*
Arsenic, total	ug/L	MW-47	10/17/2016		18.5000		
Arsenic, total	ug/L	MW-47	04/21/2017		860.0000		*
Arsenic, total	ug/L	MW-47	10/16/2017		720.0000		*
Arsenic, total	ug/L	MW-47	04/24/2018		700.0000		*
Arsenic, total	ug/L	MW-47	10/25/2018		84.0000		
Arsenic, total	ug/L	MW-47	04/15/2019		277.0000		*
Arsenic, total	ug/L	MW-47	10/07/2019		41.0000		
Arsenic, total	ug/L	MW-47	04/22/2020		844.0000		*
Arsenic, total	ug/L	MW-47	10/01/2020		79.7000		
Arsenic, total	ug/L	MW-47	04/08/2021		236.0000		*
Arsenic, total	ug/L	MW-47	10/29/2021		50.4000		
Arsenic, total	ug/L	MW-47	04/25/2022		246.0000		*
Arsenic, total	ug/L	MW-47	10/17/2022		291.0000		*
Arsenic, total	ug/L	MW-47	04/10/2023		271.0000		*
Arsenic, total	ug/L	MW-47	10/27/2023		50.2000		
Arsenic, total	ug/L	MW-47	04/02/2024		182.0000		*
Arsenic, total	ug/L	MW-47	10/10/2024		88.3000		
Arsenic, total	ug/L	MW-47	04/15/2025		311.0000		*
Barium, total	ug/L	MW-47	10/23/2014		392.0000		
Barium, total	ug/L	MW-47	03/31/2015		678.0000		
Barium, total	ug/L	MW-47	07/08/2015		630.0000		
Barium, total	ug/L	MW-47	11/05/2015		525.0000		
Barium, total	ug/L	MW-47	04/21/2016		3520.0000		*
Barium, total	ug/L	MW-47	10/17/2016		443.0000		
Barium, total	ug/L	MW-47	04/21/2017		1690.0000		
Barium, total	ug/L	MW-47	10/16/2017		1550.0000		
Barium, total	ug/L	MW-47	04/24/2018		1750.0000		
Barium, total	ug/L	MW-47	10/25/2018		310.0000		
Barium, total	ug/L	MW-47	04/15/2019		743.0000		
Barium, total	ug/L	MW-47	10/07/2019		497.0000		
Barium, total	ug/L	MW-47	04/22/2020		1880.0000		
Barium, total	ug/L	MW-47	10/01/2020		435.0000		
Barium, total	ug/L	MW-47	04/08/2021		876.0000		
Barium, total	ug/L	MW-47	10/29/2021		407.0000		
Barium, total	ug/L	MW-47	04/25/2022		565.0000		
Barium, total	ug/L	MW-47	10/17/2022		852.0000		
Barium, total	ug/L	MW-47	04/10/2023		713.0000		
Barium, total	ug/L	MW-47	10/27/2023		486.0000		
Barium, total	ug/L	MW-47	04/02/2024		570.0000		
Barium, total	ug/L	MW-47	10/10/2024		426.0000		
Barium, total	ug/L	MW-47	04/15/2025		985.0000		
Beryllium, total	ug/L	MW-47	10/23/2014	ND	4.0000		
Beryllium, total	ug/L	MW-47	03/31/2015	ND	4.0000		
Beryllium, total	ug/L	MW-47	07/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-47	11/05/2015	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/21/2016	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/17/2016	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/21/2017	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/24/2018	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/25/2018	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/15/2019	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/07/2019	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/22/2020	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/01/2020	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/29/2021	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/25/2022	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/17/2022	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/27/2023	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/10/2024	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/15/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-47	10/23/2014	ND	0.8000		
Cadmium, total	ug/L	MW-47	03/31/2015	ND	0.8000		
Cadmium, total	ug/L	MW-47	07/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-47	11/05/2015	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/21/2016	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/17/2016	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/21/2017	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/16/2017	ND	0.8000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, total	ug/L	MW-47	04/24/2018	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/25/2018	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/15/2019	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/07/2019	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/22/2020	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/01/2020	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/29/2021	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/17/2022	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/27/2023	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/10/2024	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/15/2025	ND	0.2000		*
Chromium, total	ug/L	MW-47	10/23/2014	ND	8.0000		
Chromium, total	ug/L	MW-47	03/31/2015	ND	8.0000		
Chromium, total	ug/L	MW-47	07/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-47	11/05/2015	ND	8.0000		
Chromium, total	ug/L	MW-47	04/21/2016	ND	8.0000		
Chromium, total	ug/L	MW-47	10/17/2016	ND	8.0000		
Chromium, total	ug/L	MW-47	04/21/2017	ND	8.0000		
Chromium, total	ug/L	MW-47	10/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-47	04/24/2018	ND	8.0000		
Chromium, total	ug/L	MW-47	10/25/2018	ND	8.0000		
Chromium, total	ug/L	MW-47	04/15/2019	ND	8.0000		
Chromium, total	ug/L	MW-47	10/07/2019	ND	8.0000		
Chromium, total	ug/L	MW-47	04/22/2020	ND	8.0000		
Chromium, total	ug/L	MW-47	10/01/2020	ND	8.0000		
Chromium, total	ug/L	MW-47	04/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-47	10/29/2021	ND	8.0000		
Chromium, total	ug/L	MW-47	04/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-47	10/17/2022	ND	8.0000		
Chromium, total	ug/L	MW-47	04/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-47	10/27/2023	ND	8.0000		
Chromium, total	ug/L	MW-47	04/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-47	10/10/2024	ND	8.0000		
Chromium, total	ug/L	MW-47	04/15/2025		1.3000		*
Cobalt, total	ug/L	MW-47	10/23/2014		0.8000		
Cobalt, total	ug/L	MW-47	03/31/2015		1.0000		
Cobalt, total	ug/L	MW-47	07/08/2015		1.5000		
Cobalt, total	ug/L	MW-47	11/05/2015		1.2000		
Cobalt, total	ug/L	MW-47	04/21/2016		4.2000		
Cobalt, total	ug/L	MW-47	10/17/2016		12.4000		
Cobalt, total	ug/L	MW-47	04/21/2017		1.9000		
Cobalt, total	ug/L	MW-47	10/16/2017		1.5000		
Cobalt, total	ug/L	MW-47	04/24/2018		1.5000		
Cobalt, total	ug/L	MW-47	10/25/2018	ND	0.8000		
Cobalt, total	ug/L	MW-47	04/15/2019		0.9000		
Cobalt, total	ug/L	MW-47	10/07/2019	ND	0.8000		
Cobalt, total	ug/L	MW-47	04/22/2020		1.9000		
Cobalt, total	ug/L	MW-47	10/01/2020		0.9000		
Cobalt, total	ug/L	MW-47	04/08/2021		1.2000		
Cobalt, total	ug/L	MW-47	10/29/2021		0.7000		
Cobalt, total	ug/L	MW-47	04/25/2022		0.7000		
Cobalt, total	ug/L	MW-47	10/17/2022		3.8000		
Cobalt, total	ug/L	MW-47	04/10/2023		1.8000		
Cobalt, total	ug/L	MW-47	10/27/2023		2.3000		
Cobalt, total	ug/L	MW-47	04/02/2024		1.8000		
Cobalt, total	ug/L	MW-47	10/10/2024		0.8000		
Cobalt, total	ug/L	MW-47	04/15/2025		2.4000		
Copper, total	ug/L	MW-47	10/23/2014	ND	4.0000		
Copper, total	ug/L	MW-47	03/31/2015	ND	4.0000		
Copper, total	ug/L	MW-47	07/08/2015	ND	4.0000		
Copper, total	ug/L	MW-47	11/05/2015	ND	4.0000		
Copper, total	ug/L	MW-47	04/21/2016		4.6000		
Copper, total	ug/L	MW-47	10/17/2016	ND	4.0000		
Copper, total	ug/L	MW-47	04/21/2017	ND	4.0000		
Copper, total	ug/L	MW-47	10/16/2017		4.9000		
Copper, total	ug/L	MW-47	04/24/2018	ND	4.0000		
Copper, total	ug/L	MW-47	10/25/2018	ND	4.0000		
Copper, total	ug/L	MW-47	04/15/2019	ND	4.0000		
Copper, total	ug/L	MW-47	10/07/2019	ND	4.0000		
Copper, total	ug/L	MW-47	04/22/2020	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-47	10/01/2020	ND	4.0000		
Copper, total	ug/L	MW-47	04/08/2021	ND	4.0000		
Copper, total	ug/L	MW-47	10/29/2021	ND	4.0000		
Copper, total	ug/L	MW-47	04/25/2022	ND	4.0000		
Copper, total	ug/L	MW-47	10/17/2022	ND	4.0000		
Copper, total	ug/L	MW-47	04/10/2023	ND	4.0000		
Copper, total	ug/L	MW-47	10/27/2023	ND	4.0000		
Copper, total	ug/L	MW-47	04/02/2024		4.4000		
Copper, total	ug/L	MW-47	10/10/2024	ND	4.0000		
Copper, total	ug/L	MW-47	04/15/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-47	10/23/2014	ND	4.0000		
Lead, total	ug/L	MW-47	03/31/2015	ND	4.0000		
Lead, total	ug/L	MW-47	07/08/2015	ND	4.0000		
Lead, total	ug/L	MW-47	11/05/2015	ND	4.0000		
Lead, total	ug/L	MW-47	04/21/2016	ND	4.0000		
Lead, total	ug/L	MW-47	10/17/2016	ND	4.0000		
Lead, total	ug/L	MW-47	04/21/2017	ND	4.0000		
Lead, total	ug/L	MW-47	10/16/2017	ND	4.0000		
Lead, total	ug/L	MW-47	04/24/2018	ND	4.0000		
Lead, total	ug/L	MW-47	10/25/2018	ND	4.0000		
Lead, total	ug/L	MW-47	04/15/2019	ND	4.0000		
Lead, total	ug/L	MW-47	10/07/2019	ND	4.0000		
Lead, total	ug/L	MW-47	04/22/2020	ND	4.0000		
Lead, total	ug/L	MW-47	10/01/2020	ND	4.0000		
Lead, total	ug/L	MW-47	04/08/2021	ND	4.0000		
Lead, total	ug/L	MW-47	10/29/2021	ND	4.0000		
Lead, total	ug/L	MW-47	04/25/2022	ND	4.0000		
Lead, total	ug/L	MW-47	10/17/2022	ND	4.0000		
Lead, total	ug/L	MW-47	04/10/2023	ND	4.0000		
Lead, total	ug/L	MW-47	10/27/2023	ND	4.0000		
Lead, total	ug/L	MW-47	04/02/2024	ND	4.0000		
Lead, total	ug/L	MW-47	10/10/2024	ND	4.0000		
Lead, total	ug/L	MW-47	04/15/2025	ND	1.0000		*
Nickel, total	ug/L	MW-47	10/23/2014	ND	4.0000		
Nickel, total	ug/L	MW-47	03/31/2015	ND	4.0000		
Nickel, total	ug/L	MW-47	07/08/2015	ND	4.0000		
Nickel, total	ug/L	MW-47	11/05/2015	ND	4.0000		
Nickel, total	ug/L	MW-47	04/21/2016		9.2000		
Nickel, total	ug/L	MW-47	10/17/2016		31.6000		
Nickel, total	ug/L	MW-47	04/21/2017		4.0000		
Nickel, total	ug/L	MW-47	10/16/2017		5.9000		
Nickel, total	ug/L	MW-47	04/24/2018		15.8000		
Nickel, total	ug/L	MW-47	10/25/2018	ND	4.0000		
Nickel, total	ug/L	MW-47	04/15/2019	ND	4.0000		
Nickel, total	ug/L	MW-47	10/07/2019	ND	4.0000		
Nickel, total	ug/L	MW-47	04/22/2020		4.7000		
Nickel, total	ug/L	MW-47	10/01/2020	ND	4.0000		
Nickel, total	ug/L	MW-47	04/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-47	10/29/2021	ND	4.0000		
Nickel, total	ug/L	MW-47	04/25/2022	ND	4.0000		
Nickel, total	ug/L	MW-47	10/17/2022	ND	4.0000		
Nickel, total	ug/L	MW-47	04/10/2023		4.0000		
Nickel, total	ug/L	MW-47	10/27/2023		11.7000		
Nickel, total	ug/L	MW-47	04/02/2024		8.0000		
Nickel, total	ug/L	MW-47	10/10/2024	ND	4.0000		
Nickel, total	ug/L	MW-47	04/15/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-47	10/23/2014	ND	4.0000		
Selenium, total	ug/L	MW-47	03/31/2015	ND	4.0000		
Selenium, total	ug/L	MW-47	07/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-47	11/05/2015	ND	4.0000		
Selenium, total	ug/L	MW-47	04/21/2016	ND	4.0000		
Selenium, total	ug/L	MW-47	10/17/2016	ND	4.0000		
Selenium, total	ug/L	MW-47	04/21/2017	ND	4.0000		
Selenium, total	ug/L	MW-47	10/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-47	04/24/2018	ND	4.0000		
Selenium, total	ug/L	MW-47	10/25/2018	ND	4.0000		
Selenium, total	ug/L	MW-47	04/15/2019	ND	4.0000		
Selenium, total	ug/L	MW-47	10/07/2019	ND	4.0000		
Selenium, total	ug/L	MW-47	04/22/2020	ND	4.0000		
Selenium, total	ug/L	MW-47	10/01/2020	ND	4.0000		
Selenium, total	ug/L	MW-47	04/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-47	10/29/2021	ND	4.0000		
Selenium, total	ug/L	MW-47	04/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-47	10/17/2022	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, total	ug/L	MW-47	04/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-47	10/27/2023	ND	4.0000		
Selenium, total	ug/L	MW-47	04/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-47	10/10/2024	ND	4.0000		
Selenium, total	ug/L	MW-47	04/15/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-47	10/23/2014	ND	4.0000		
Silver, total	ug/L	MW-47	03/31/2015	ND	4.0000		
Silver, total	ug/L	MW-47	07/08/2015	ND	4.0000		
Silver, total	ug/L	MW-47	11/05/2015	ND	4.0000		
Silver, total	ug/L	MW-47	04/21/2016	ND	4.0000		
Silver, total	ug/L	MW-47	10/17/2016	ND	4.0000		
Silver, total	ug/L	MW-47	04/21/2017	ND	4.0000		
Silver, total	ug/L	MW-47	10/16/2017	ND	4.0000		
Silver, total	ug/L	MW-47	04/24/2018	ND	4.0000		
Silver, total	ug/L	MW-47	10/25/2018	ND	4.0000		
Silver, total	ug/L	MW-47	04/15/2019	ND	4.0000		
Silver, total	ug/L	MW-47	10/07/2019	ND	4.0000		
Silver, total	ug/L	MW-47	04/22/2020	ND	4.0000		
Silver, total	ug/L	MW-47	10/01/2020	ND	4.0000		
Silver, total	ug/L	MW-47	04/08/2021	ND	4.0000		
Silver, total	ug/L	MW-47	10/29/2021	ND	4.0000		
Silver, total	ug/L	MW-47	04/25/2022	ND	4.0000		
Silver, total	ug/L	MW-47	10/17/2022	ND	4.0000		
Silver, total	ug/L	MW-47	04/10/2023	ND	4.0000		
Silver, total	ug/L	MW-47	10/27/2023	ND	4.0000		
Silver, total	ug/L	MW-47	04/02/2024	ND	4.0000		
Silver, total	ug/L	MW-47	10/10/2024	ND	4.0000		
Silver, total	ug/L	MW-47	04/15/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-47	10/23/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	03/31/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	07/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	11/05/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	04/21/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	10/17/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	04/21/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	10/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	04/24/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	10/25/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	04/15/2019	ND	2.0000		
Thallium, total	ug/L	MW-47	10/07/2019	ND	2.0000		
Thallium, total	ug/L	MW-47	04/22/2020	ND	2.0000		
Thallium, total	ug/L	MW-47	10/01/2020	ND	2.0000		
Thallium, total	ug/L	MW-47	04/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-47	10/29/2021	ND	2.0000		
Thallium, total	ug/L	MW-47	04/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-47	10/17/2022	ND	2.0000		
Thallium, total	ug/L	MW-47	04/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-47	10/27/2023	ND	2.0000		
Thallium, total	ug/L	MW-47	04/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-47	10/10/2024	ND	2.0000		
Thallium, total	ug/L	MW-47	04/15/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-47	10/23/2014	ND	20.0000		
Vanadium, total	ug/L	MW-47	03/31/2015	ND	20.0000		
Vanadium, total	ug/L	MW-47	07/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-47	11/05/2015	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/21/2016	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/17/2016	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/21/2017	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/24/2018	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/25/2018	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/15/2019	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/07/2019	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/22/2020	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/01/2020	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/29/2021	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/17/2022	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/27/2023	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/10/2024	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/15/2025	ND	2.0000		*

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	MW-47	10/23/2014	ND	20.0000		
Zinc, total	ug/L	MW-47	03/31/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	07/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	11/05/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	04/21/2016		12.0000		
Zinc, total	ug/L	MW-47	10/17/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	04/21/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	10/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	04/24/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	10/25/2018	ND	20.0000		
Zinc, total	ug/L	MW-47	04/15/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	10/07/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	04/22/2020	ND	20.0000		
Zinc, total	ug/L	MW-47	10/01/2020	ND	20.0000		
Zinc, total	ug/L	MW-47	04/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-47	10/29/2021	ND	20.0000		
Zinc, total	ug/L	MW-47	04/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-47	10/17/2022	ND	20.0000		
Zinc, total	ug/L	MW-47	04/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-47	10/27/2023		25.9000		
Zinc, total	ug/L	MW-47	04/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-47	10/10/2024	ND	20.0000		
Zinc, total	ug/L	MW-47	04/15/2025	ND	5.0000	20.0000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, total	ug/L	MW-48A	04/15/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-48A	04/15/2025		13.3000		89.3000
Barium, total	ug/L	MW-48A	04/15/2025		231.0000		1880.0000
Beryllium, total	ug/L	MW-48A	04/15/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-48A	04/15/2025	ND	0.2000		0.9000
Chromium, total	ug/L	MW-48A	04/15/2025		1.7000		20.3000
Cobalt, total	ug/L	MW-48A	04/15/2025		0.7000		12.4000
Copper, total	ug/L	MW-48A	04/15/2025	ND	5.0000		11.3000
Lead, total	ug/L	MW-48A	04/15/2025	ND	1.0000		4.4000
Nickel, total	ug/L	MW-48A	04/15/2025	ND	5.0000		31.6000
Selenium, total	ug/L	MW-48A	04/15/2025	ND	2.0000		4.9000
Silver, total	ug/L	MW-48A	04/15/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-48A	04/15/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-48A	04/15/2025		2.2000		22.4000
Zinc, total	ug/L	MW-48A	04/15/2025	ND	5.0000		38.0000
Antimony, total	ug/L	MW-49A	04/15/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-49A	04/15/2025		36.2000		89.3000
Barium, total	ug/L	MW-49A	04/15/2025		722.0000		1880.0000
Beryllium, total	ug/L	MW-49A	04/15/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-49A	04/15/2025	ND	0.2000		0.9000
Chromium, total	ug/L	MW-49A	04/15/2025		1.2000		20.3000
Cobalt, total	ug/L	MW-49A	04/15/2025		13.2000	*	12.4000
Copper, total	ug/L	MW-49A	04/15/2025		9.3000		11.3000
Lead, total	ug/L	MW-49A	04/15/2025	ND	1.0000		4.4000
Nickel, total	ug/L	MW-49A	04/15/2025		41.1000	***	31.6000
Selenium, total	ug/L	MW-49A	04/15/2025	ND	2.0000		4.9000
Silver, total	ug/L	MW-49A	04/15/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-49A	04/15/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-49A	04/15/2025	ND	2.0000		22.4000
Zinc, total	ug/L	MW-49A	04/15/2025		5.1000		38.0000
Antimony, total	ug/L	MW-50	04/15/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-50	04/15/2025	ND	2.0000		89.3000
Barium, total	ug/L	MW-50	04/15/2025		624.0000		1880.0000
Beryllium, total	ug/L	MW-50	04/15/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-50	04/15/2025	ND	0.2000		0.9000
Chromium, total	ug/L	MW-50	04/15/2025		1.0000		20.3000
Cobalt, total	ug/L	MW-50	04/15/2025	ND	0.5000		12.4000
Copper, total	ug/L	MW-50	04/15/2025	ND	5.0000		11.3000
Lead, total	ug/L	MW-50	04/15/2025	ND	1.0000		4.4000
Nickel, total	ug/L	MW-50	04/15/2025	ND	5.0000		31.6000
Selenium, total	ug/L	MW-50	04/15/2025	ND	2.0000		4.9000
Silver, total	ug/L	MW-50	04/15/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-50	04/15/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-50	04/15/2025	ND	2.0000		22.4000
Zinc, total	ug/L	MW-50	04/15/2025	ND	5.0000		38.0000
Antimony, total	ug/L	MW-51	04/15/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-51	04/15/2025	ND	2.0000		89.3000
Barium, total	ug/L	MW-51	04/15/2025		484.0000		1880.0000
Beryllium, total	ug/L	MW-51	04/15/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-51	04/15/2025	ND	0.2000		0.9000
Chromium, total	ug/L	MW-51	04/15/2025		1.3000		20.3000
Cobalt, total	ug/L	MW-51	04/15/2025	ND	0.5000		12.4000
Copper, total	ug/L	MW-51	04/15/2025	ND	5.0000		11.3000
Lead, total	ug/L	MW-51	04/15/2025	ND	1.0000		4.4000
Nickel, total	ug/L	MW-51	04/15/2025	ND	5.0000		31.6000
Selenium, total	ug/L	MW-51	04/15/2025	ND	2.0000		4.9000
Silver, total	ug/L	MW-51	04/15/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-51	04/15/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-51	04/15/2025	ND	2.0000		22.4000
Zinc, total	ug/L	MW-51	04/15/2025	ND	5.0000		38.0000

* - Current value failed - awaiting verification.

** - Current value passed - previous exceedance not verified.

*** - Current value failed - exceedance verified.

**** - Current value passed - awaiting one more verification.

***** - Insufficient background data to compute prediction limit.

ND = Not Detected, Result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Antimony, total	0	115	0.000	1	142	0.007
Arsenic, total	16	101	0.158	70	141	0.496
Barium, total	114	114	1.000	145	145	1.000
Beryllium, total	0	110	0.000	1	140	0.007
Cadmium, total	1	110	0.009	4	140	0.029
Chromium, total	3	109	0.028	12	140	0.086
Cobalt, total	49	111	0.441	75	140	0.536
Copper, total	10	112	0.089	51	141	0.362
Lead, total	3	109	0.028	14	140	0.100
Nickel, total	24	111	0.216	84	141	0.596
Selenium, total	3	114	0.026	1	142	0.007
Silver, total	0	115	0.000	0	142	0.000
Thallium, total	0	110	0.000	2	141	0.014
Vanadium, total	1	110	0.009	8	140	0.057
Zinc, total	13	115	0.113	47	141	0.333

N = Total number of measurements in all wells.

Detect = Total number of detections in all wells.

Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub	Crit Value	Dist Form	Model Type
Antimony, total	0	115	0.000									nonpar
Arsenic, total	16	101	0.158	1.096	1.061					2.326	normal	nonpar
Barium, total	114	114	1.000	4.791	2.634					2.326	non-norm	nonpar
Beryllium, total	0	110	0.000									nonpar
Cadmium, total	1	110	0.009									nonpar
Chromium, total	3	109	0.028									nonpar
Cobalt, total	49	111	0.441	4.254	1.707					2.326	lognor	nonpar
Copper, total	10	112	0.089	0.449	0.934					2.326	normal	nonpar
Lead, total	3	109	0.028	2.393	2.163					2.326	lognor	nonpar
Nickel, total	24	111	0.216	2.236	1.575					2.326	normal	nonpar
Selenium, total	3	114	0.026	0.346	0.307					2.326	normal	nonpar
Silver, total	0	115	0.000									nonpar
Thallium, total	0	110	0.000									nonpar
Vanadium, total	1	110	0.009									nonpar
Zinc, total	13	115	0.113	0.803	0.915					2.326	normal	nonpar

* - Distribution override for that constituent.

Fit to distribution is confirmed if $G \leq$ critical value.

Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Antimony, total	ug/L	0	115					2.0000	nonpar	***	0.99
Arsenic, total	ug/L	16	101					89.3000	nonpar		0.99
Barium, total	ug/L	114	114					1880.0000	nonpar		0.99
Beryllium, total	ug/L	0	110					4.0000	nonpar	***	0.99
Cadmium, total	ug/L	1	110					0.9000	nonpar		0.99
Chromium, total	ug/L	3	109					20.3000	nonpar		0.99
Cobalt, total	ug/L	49	111					12.4000	nonpar		0.99
Copper, total	ug/L	10	112					11.3000	nonpar		0.99
Lead, total	ug/L	3	109					4.4000	nonpar		0.99
Nickel, total	ug/L	24	111					31.6000	nonpar		0.99
Selenium, total	ug/L	3	114					4.9000	nonpar		0.99
Silver, total	ug/L	0	115					4.0000	nonpar	***	0.99
Thallium, total	ug/L	0	110					2.0000	nonpar	***	0.99
Vanadium, total	ug/L	1	110					22.4000	nonpar		0.99
Zinc, total	ug/L	13	115					38.0000	nonpar		0.99

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).

* - Insufficient Data.

** - Calculated limit raised to Manual Reporting Limit.

*** - Nonparametric limit based on ND value.

For transformed data, mean and SD in transformed units and prediction limit in original units.

All sample sizes and statistics are based on outlier free data.

For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

**Dixon's Test Outliers
1% Significance Level**

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Beryllium, total	ug/L	MW-36	04/15/2025	0.5000	< 0.5000	07/08/2015-04/15/2025	20	0.5381
Cadmium, total	ug/L	MW-36	04/15/2025	0.2000		07/08/2015-04/15/2025	20	0.5381
Chromium, total	ug/L	MW-36	04/15/2025	1.4000		07/08/2015-04/15/2025	20	0.5381
Copper, total	ug/L	MW-36	10/10/2024	19.2000		07/08/2015-04/15/2025	20	0.5381
Lead, total	ug/L	MW-36	04/15/2025	1.0000	< 1.0000	07/08/2015-04/15/2025	20	0.5381
Thallium, total	ug/L	MW-36	04/15/2025	0.5000	< 0.5000	07/08/2015-04/15/2025	20	0.5381
Vanadium, total	ug/L	MW-36	04/15/2025	2.1000		07/08/2015-04/15/2025	20	0.5381
Beryllium, total	ug/L	MW-37	04/15/2025	0.5000	< 0.5000	10/23/2014-04/15/2025	24	0.4969
Cadmium, total	ug/L	MW-37	04/15/2025	0.2000	< 0.2000	10/23/2014-04/15/2025	24	0.4969
Chromium, total	ug/L	MW-37	04/15/2025	2.1000		10/23/2014-04/15/2025	24	0.4969
Cobalt, total	ug/L	MW-37	10/27/2023	9.6000		10/23/2014-04/15/2025	24	0.5065
Cobalt, total	ug/L	MW-37	10/10/2024	4.4000		10/23/2014-04/15/2025	24	0.5065
Copper, total	ug/L	MW-37	10/25/2018	13.7000		10/23/2014-04/15/2025	24	0.4969
Lead, total	ug/L	MW-37	04/15/2025	1.0000	< 1.0000	10/23/2014-04/15/2025	23	0.5065
Nickel, total	ug/L	MW-37	10/27/2023	13.9000		10/23/2014-04/15/2025	24	0.5065
Nickel, total	ug/L	MW-37	10/10/2024	18.7000		10/23/2014-04/15/2025	24	0.5065
Thallium, total	ug/L	MW-37	04/15/2025	0.5000	< 0.5000	10/23/2014-04/15/2025	24	0.4969
Vanadium, total	ug/L	MW-37	04/15/2025	2.0000	< 2.0000	10/23/2014-04/15/2025	24	0.4969
Beryllium, total	ug/L	MW-39	04/15/2025	0.5000	< 0.5000	10/23/2014-04/15/2025	24	0.4969
Cadmium, total	ug/L	MW-39	04/15/2025	0.2000	< 0.2000	10/23/2014-04/15/2025	24	0.4969
Chromium, total	ug/L	MW-39	01/08/2015	29.6000		10/23/2014-04/15/2025	24	0.4969
Chromium, total	ug/L	MW-39	04/15/2025	1.2000		10/23/2014-04/15/2025	24	0.4969
Cobalt, total	ug/L	MW-39	11/05/2015	3.3000		10/23/2014-04/15/2025	24	0.4969
Copper, total	ug/L	MW-39	04/02/2024	126.0000		10/23/2014-04/15/2025	24	0.4969
Lead, total	ug/L	MW-39	04/15/2025	1.0000	< 1.0000	10/23/2014-04/15/2025	24	0.4969
Nickel, total	ug/L	MW-39	01/08/2015	20.5000		10/23/2014-04/15/2025	24	0.4969
Thallium, total	ug/L	MW-39	04/15/2025	0.5000	< 0.5000	10/23/2014-04/15/2025	24	0.4969
Vanadium, total	ug/L	MW-39	04/15/2025	2.0000	< 2.0000	10/23/2014-04/15/2025	24	0.4969
Beryllium, total	ug/L	MW-40	04/15/2025	0.5000	< 0.5000	10/23/2014-04/15/2025	24	0.4969
Cadmium, total	ug/L	MW-40	04/15/2025	0.2000	< 0.2000	10/23/2014-04/15/2025	24	0.4969
Chromium, total	ug/L	MW-40	04/15/2025	1.2000		10/23/2014-04/15/2025	24	0.4969
Lead, total	ug/L	MW-40	04/15/2025	1.0000	< 1.0000	10/23/2014-04/15/2025	24	0.4969
Thallium, total	ug/L	MW-40	04/15/2025	0.5000	< 0.5000	10/23/2014-04/15/2025	24	0.4969
Vanadium, total	ug/L	MW-40	04/15/2025	2.0000	< 2.0000	10/23/2014-04/15/2025	24	0.4969
Beryllium, total	ug/L	MW-47	04/15/2025	0.5000	< 0.5000	10/23/2014-04/15/2025	23	0.5065
Cadmium, total	ug/L	MW-47	04/15/2025	0.2000	< 0.2000	10/23/2014-04/15/2025	23	0.5065
Chromium, total	ug/L	MW-47	04/15/2025	1.3000		10/23/2014-04/15/2025	23	0.5065
Lead, total	ug/L	MW-47	04/15/2025	1.0000	< 1.0000	10/23/2014-04/15/2025	23	0.5065
Thallium, total	ug/L	MW-47	04/15/2025	0.5000	< 0.5000	10/23/2014-04/15/2025	23	0.5065
Vanadium, total	ug/L	MW-47	04/15/2025	2.0000	< 2.0000	10/23/2014-04/15/2025	23	0.5065

N = Total number of independent measurements in background at each well.

Date Range = Dates of the first and last measurements included in background at each well.

Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Cobalt, total	ug/L	MW-49A	06/13/2008	ND	12.0000	12.4000
Cobalt, total	ug/L	MW-49A	08/22/2008		10.0000	12.4000
Cobalt, total	ug/L	MW-49A	10/01/2008		6.0000	12.4000
Cobalt, total	ug/L	MW-49A	12/23/2008		4.2000	12.4000
Cobalt, total	ug/L	MW-49A	04/03/2009		11.2000	12.4000
Cobalt, total	ug/L	MW-49A	06/19/2009		8.4000	12.4000
Cobalt, total	ug/L	MW-49A	10/09/2009		8.3000	12.4000
Cobalt, total	ug/L	MW-49A	02/23/2010		8.8000	12.4000
Cobalt, total	ug/L	MW-49A	04/13/2010		21.8000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/14/2010		10.9000	12.4000
Cobalt, total	ug/L	MW-49A	04/08/2011		11.0000	12.4000
Cobalt, total	ug/L	MW-49A	10/18/2011		12.0000	12.4000
Cobalt, total	ug/L	MW-49A	04/18/2012		15.5000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/17/2012		9.2000	12.4000
Cobalt, total	ug/L	MW-49A	04/03/2013		25.7000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/09/2013		14.0000 *	12.4000
Cobalt, total	ug/L	MW-49A	04/16/2014		20.3000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/23/2014		12.0000	12.4000
Cobalt, total	ug/L	MW-49A	03/31/2015		13.3000 *	12.4000
Cobalt, total	ug/L	MW-49A	11/05/2015		15.2000 *	12.4000
Cobalt, total	ug/L	MW-49A	04/21/2016		14.5000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/17/2016		1.1000	12.4000
Cobalt, total	ug/L	MW-49A	04/21/2017		14.9000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/16/2017		5.9000	12.4000
Cobalt, total	ug/L	MW-49A	04/24/2018		24.5000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/25/2018		7.3000	12.4000
Cobalt, total	ug/L	MW-49A	04/15/2019		18.0000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/07/2019		2.7000	12.4000
Cobalt, total	ug/L	MW-49A	04/23/2020		19.1000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/01/2020		16.8000 *	12.4000
Cobalt, total	ug/L	MW-49A	04/08/2021		21.0000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/29/2021		2.6000	12.4000
Cobalt, total	ug/L	MW-49A	04/25/2022		16.5000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/17/2022		20.3000 *	12.4000
Cobalt, total	ug/L	MW-49A	04/10/2023		20.6000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/27/2023		20.5000 *	12.4000
Cobalt, total	ug/L	MW-49A	04/02/2024		19.9000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/10/2024		10.2000	12.4000
Cobalt, total	ug/L	MW-49A	04/15/2025		13.2000 *	12.4000
Nickel, total	ug/L	MW-49A	06/13/2008	ND	35.0000 *	31.6000
Nickel, total	ug/L	MW-49A	08/22/2008		48.0000 *	31.6000
Nickel, total	ug/L	MW-49A	10/01/2008		40.6000 *	31.6000
Nickel, total	ug/L	MW-49A	12/23/2008		33.7000 *	31.6000
Nickel, total	ug/L	MW-49A	04/03/2009		43.3000 *	31.6000
Nickel, total	ug/L	MW-49A	06/19/2009		38.9000 *	31.6000
Nickel, total	ug/L	MW-49A	10/09/2009		39.6000 *	31.6000
Nickel, total	ug/L	MW-49A	02/23/2010		39.6000 *	31.6000
Nickel, total	ug/L	MW-49A	04/13/2010		64.9000 *	31.6000
Nickel, total	ug/L	MW-49A	10/14/2010		37.7000 *	31.6000
Nickel, total	ug/L	MW-49A	04/08/2011		47.9000 *	31.6000
Nickel, total	ug/L	MW-49A	10/18/2011		43.2000 *	31.6000
Nickel, total	ug/L	MW-49A	04/18/2012		57.3000 *	31.6000
Nickel, total	ug/L	MW-49A	10/17/2012		36.9000 *	31.6000
Nickel, total	ug/L	MW-49A	04/03/2013		83.2000 *	31.6000
Nickel, total	ug/L	MW-49A	10/09/2013		33.9000 *	31.6000
Nickel, total	ug/L	MW-49A	04/16/2014		62.9000 *	31.6000
Nickel, total	ug/L	MW-49A	10/23/2014		32.2000 *	31.6000
Nickel, total	ug/L	MW-49A	03/31/2015		32.8000 *	31.6000
Nickel, total	ug/L	MW-49A	11/05/2015		35.1000 *	31.6000
Nickel, total	ug/L	MW-49A	04/21/2016		38.5000 *	31.6000
Nickel, total	ug/L	MW-49A	10/17/2016		4.0000	31.6000
Nickel, total	ug/L	MW-49A	04/21/2017		37.6000 *	31.6000
Nickel, total	ug/L	MW-49A	10/16/2017		13.3000	31.6000
Nickel, total	ug/L	MW-49A	04/24/2018		61.9000 *	31.6000
Nickel, total	ug/L	MW-49A	10/25/2018		9.3000	31.6000
Nickel, total	ug/L	MW-49A	04/15/2019		41.9000 *	31.6000
Nickel, total	ug/L	MW-49A	10/07/2019		7.4000	31.6000
Nickel, total	ug/L	MW-49A	04/23/2020		49.6000 *	31.6000
Nickel, total	ug/L	MW-49A	10/01/2020		46.9000 *	31.6000
Nickel, total	ug/L	MW-49A	04/08/2021		48.9000 *	31.6000
Nickel, total	ug/L	MW-49A	10/29/2021		7.3000	31.6000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result		Pred. Limit
Nickel, total	ug/L	MW-49A	04/25/2022		50.7000	*	31.6000
Nickel, total	ug/L	MW-49A	10/17/2022		54.3000	*	31.6000
Nickel, total	ug/L	MW-49A	04/10/2023		55.4000	*	31.6000
Nickel, total	ug/L	MW-49A	10/27/2023		50.5000	*	31.6000
Nickel, total	ug/L	MW-49A	04/02/2024		49.4000	*	31.6000
Nickel, total	ug/L	MW-49A	10/10/2024		45.6000	*	31.6000
Nickel, total	ug/L	MW-49A	04/15/2025		41.1000	*	31.6000

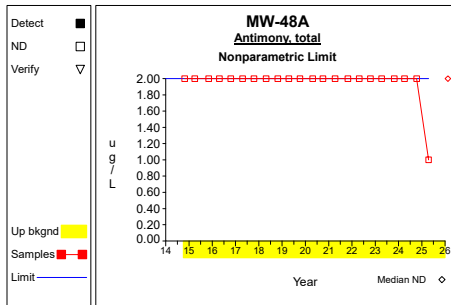
* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

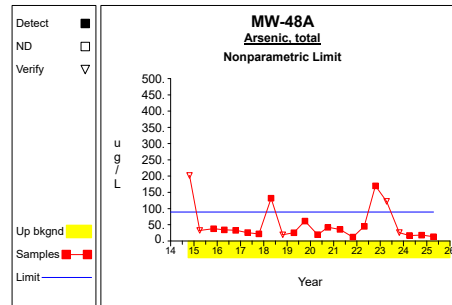
*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

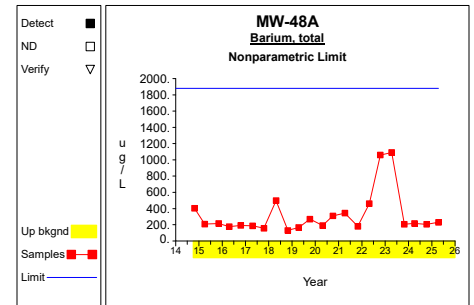
Up vs. Down Prediction Limits



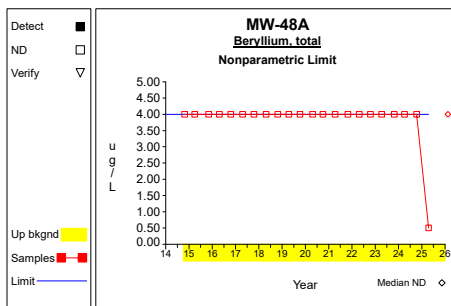
Graph 1



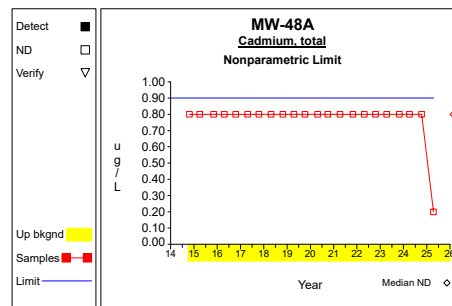
Graph 2



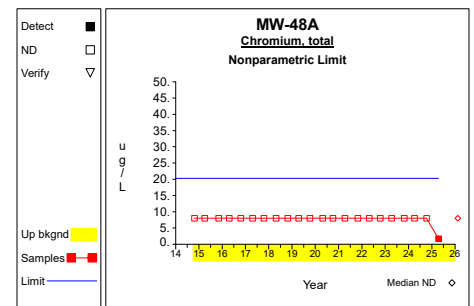
Graph 3



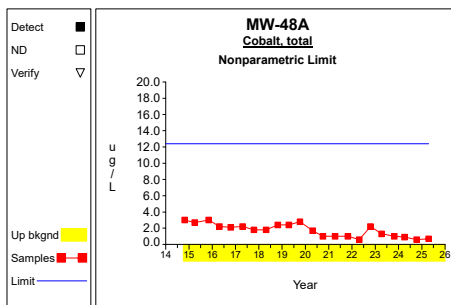
Graph 4



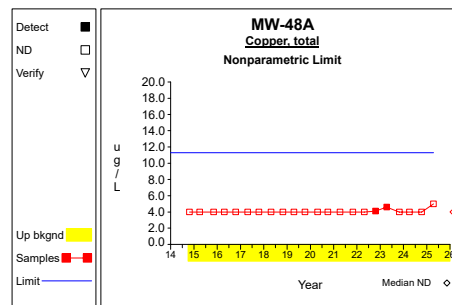
Graph 5



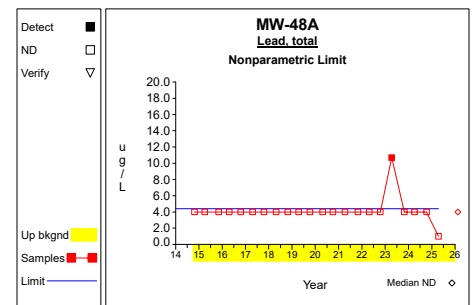
Graph 6



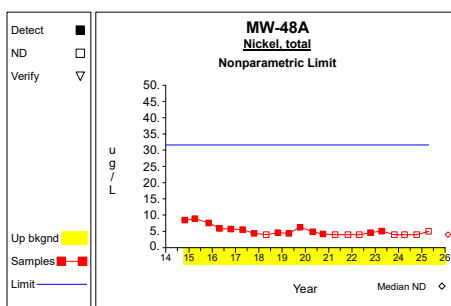
Graph 7



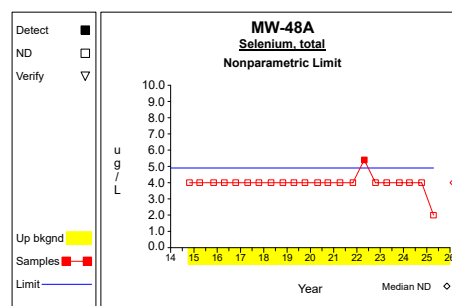
Graph 8



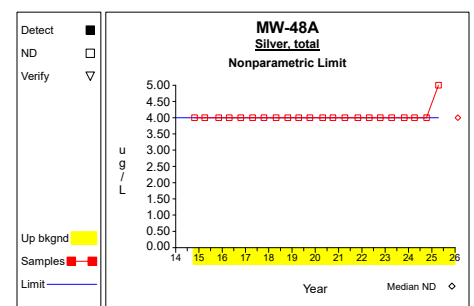
Graph 9



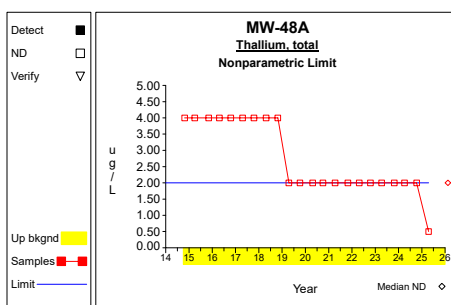
Graph 10



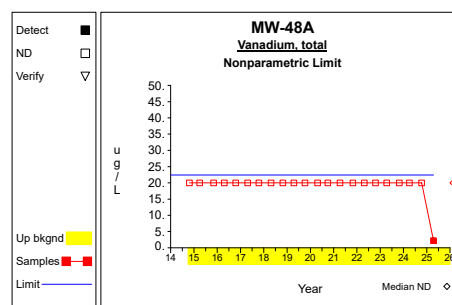
Graph 11



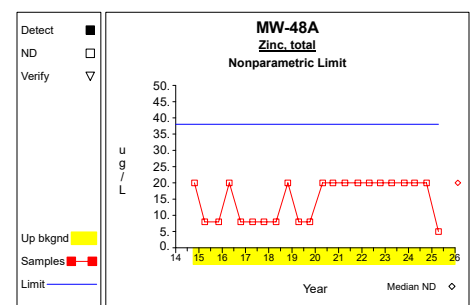
Graph 12



Graph 13

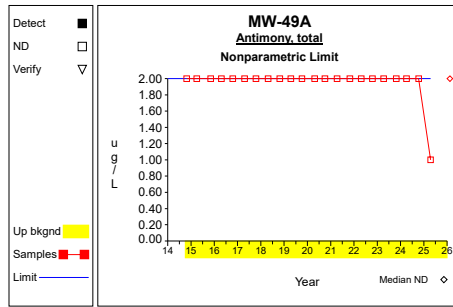


Graph 14

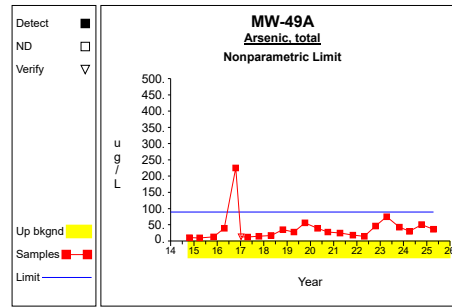


Graph 15

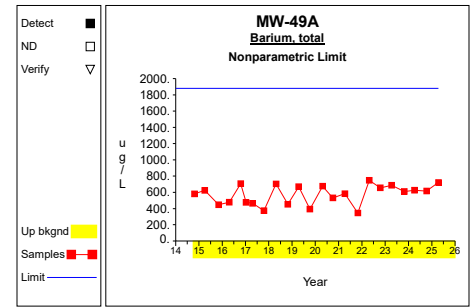
Up vs. Down Prediction Limits



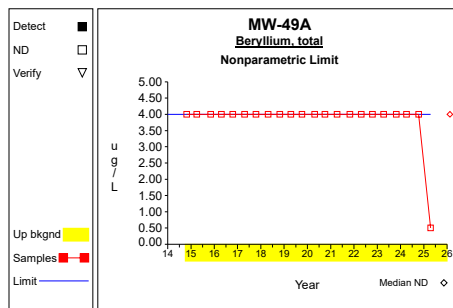
Graph 16



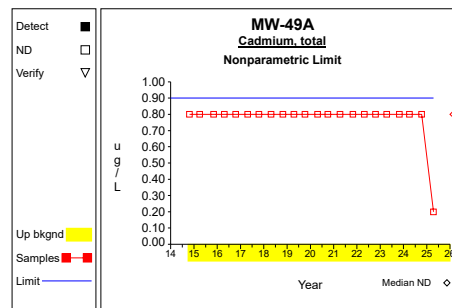
Graph 17



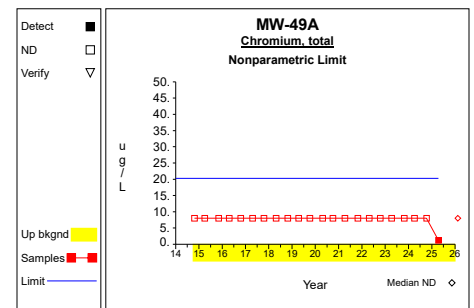
Graph 18



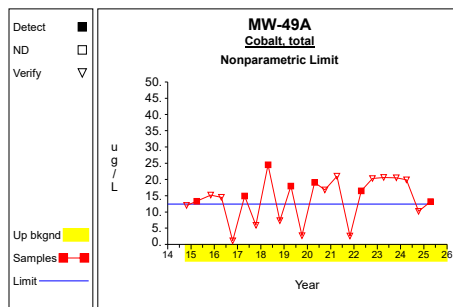
Graph 19



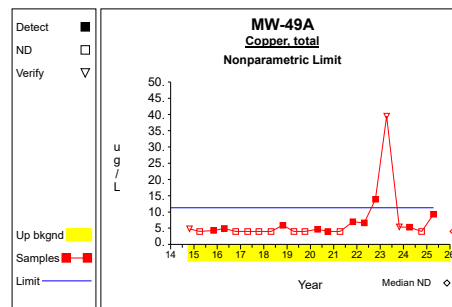
Graph 20



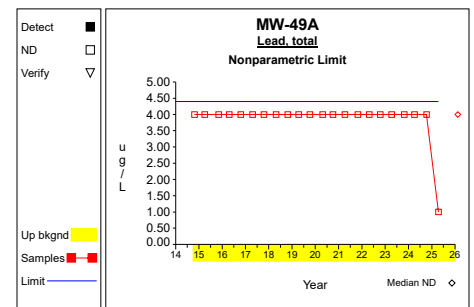
Graph 21



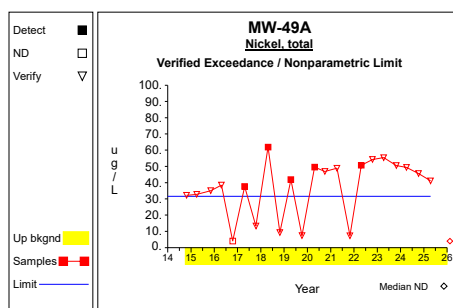
Graph 22



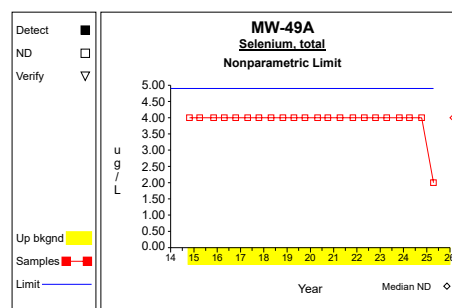
Graph 23



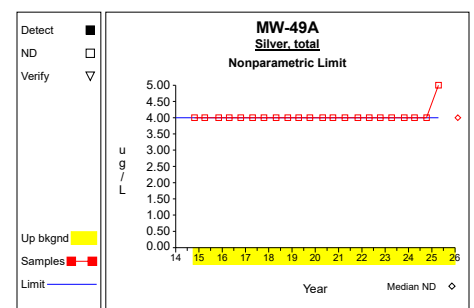
Graph 24



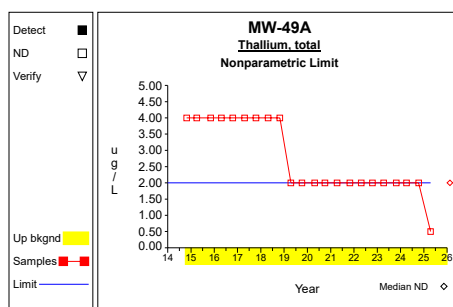
Graph 25



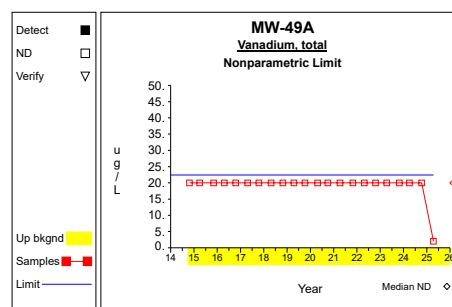
Graph 26



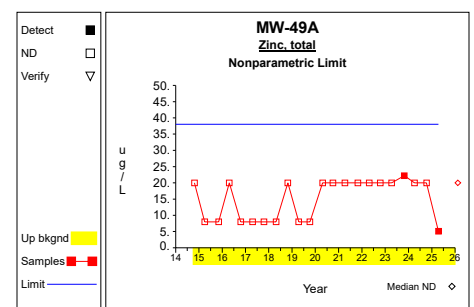
Graph 27



Graph 28

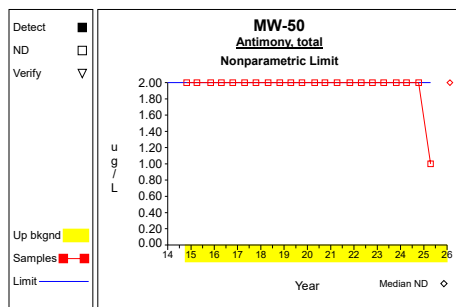


Graph 29

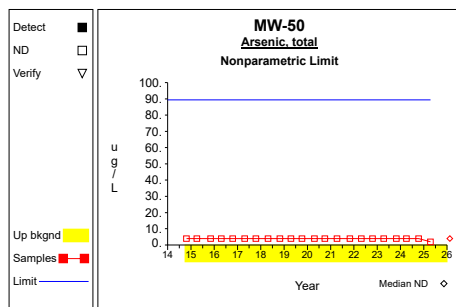


Graph 30

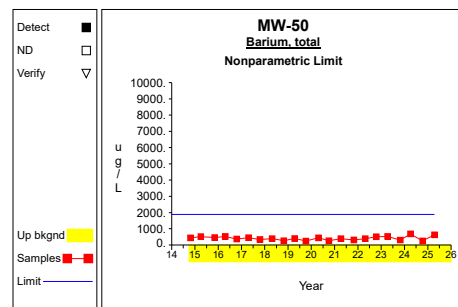
Up vs. Down Prediction Limits



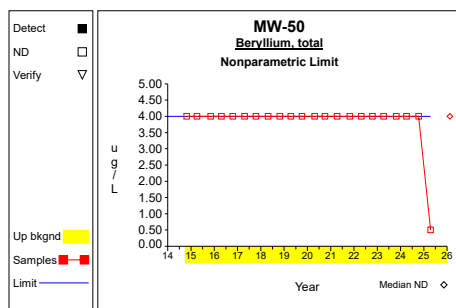
Graph 31



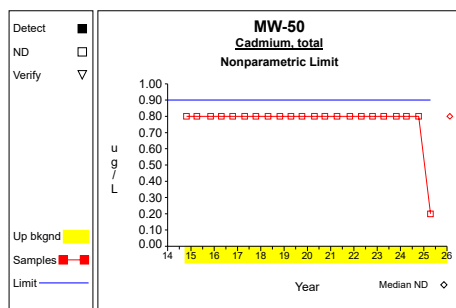
Graph 32



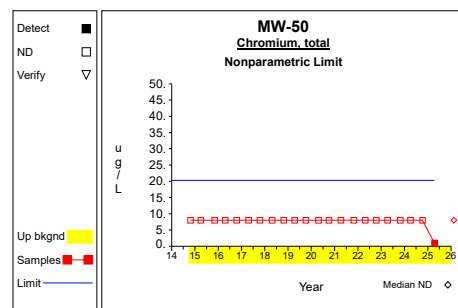
Graph 33



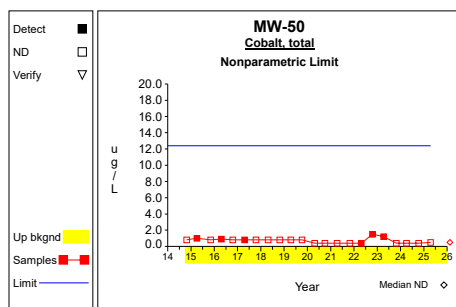
Graph 34



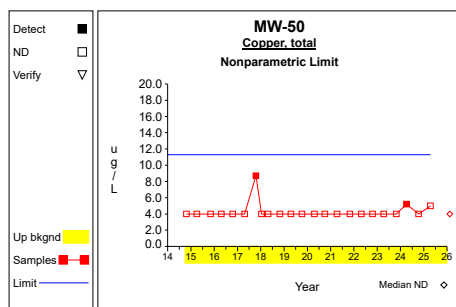
Graph 35



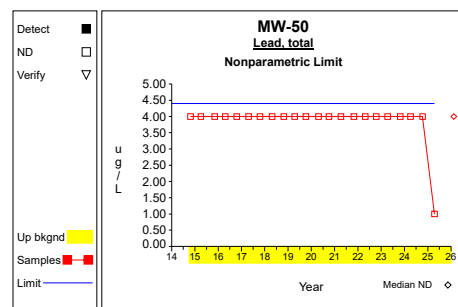
Graph 36



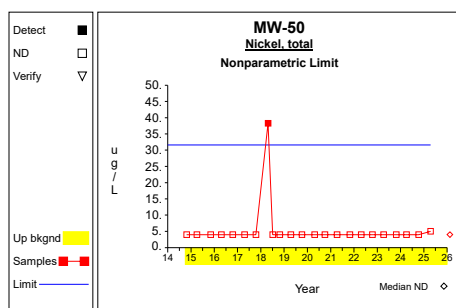
Graph 37



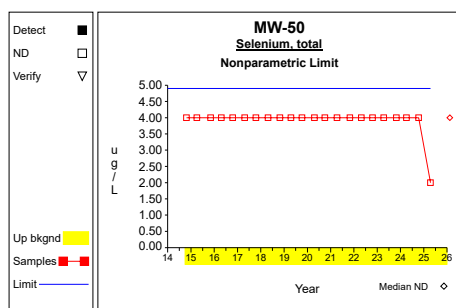
Graph 38



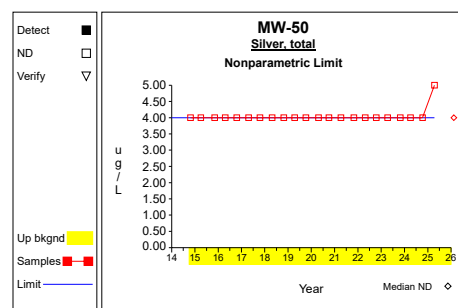
Graph 39



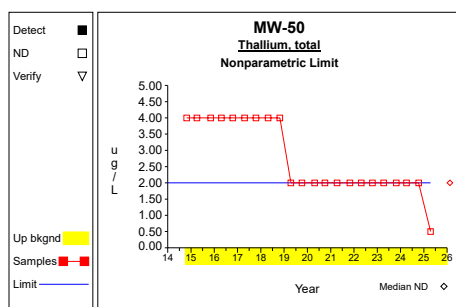
Graph 40



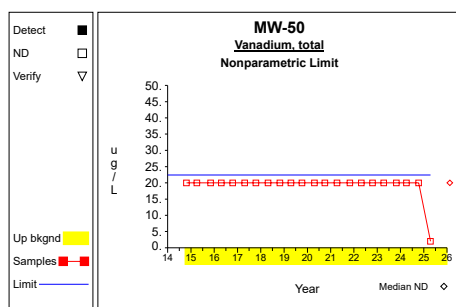
Graph 41



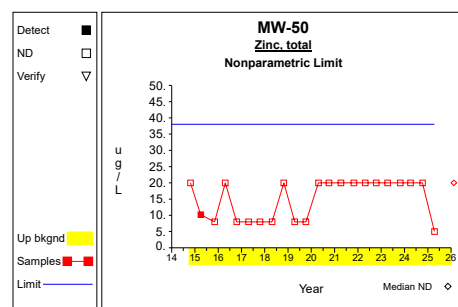
Graph 42



Graph 43

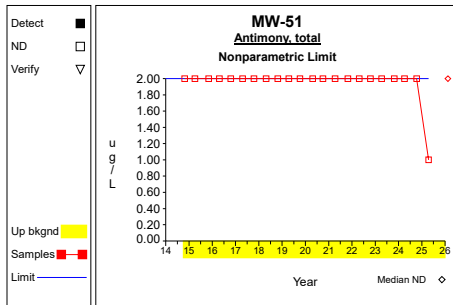


Graph 44

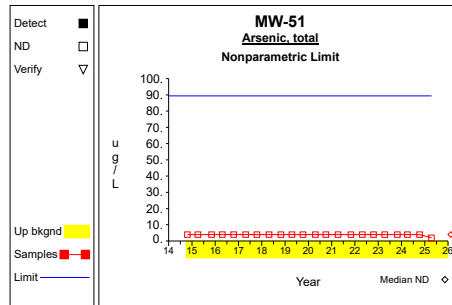


Graph 45

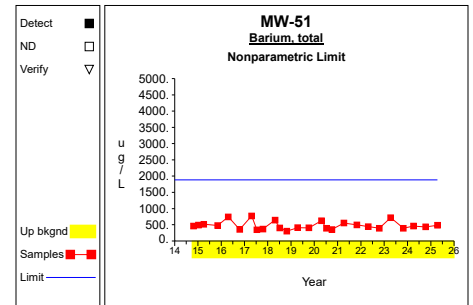
Up vs. Down Prediction Limits



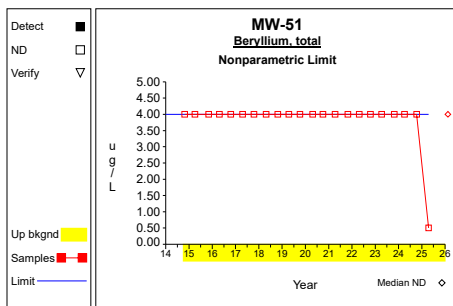
Graph 46



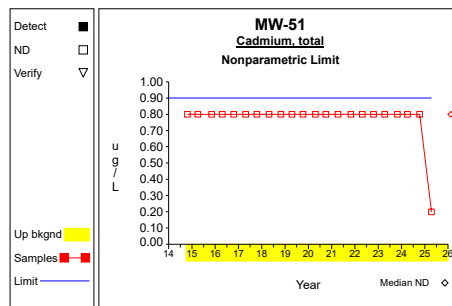
Graph 47



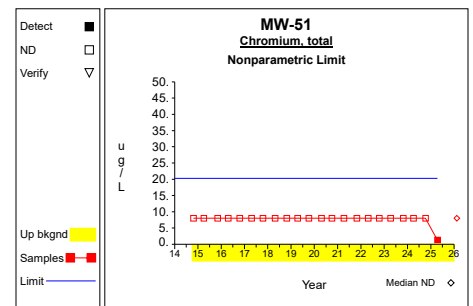
Graph 48



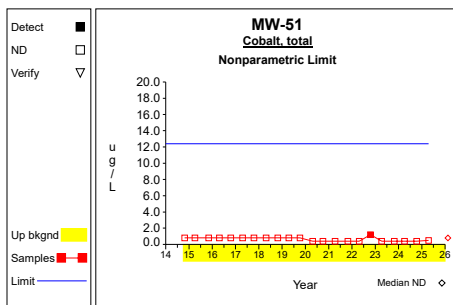
Graph 49



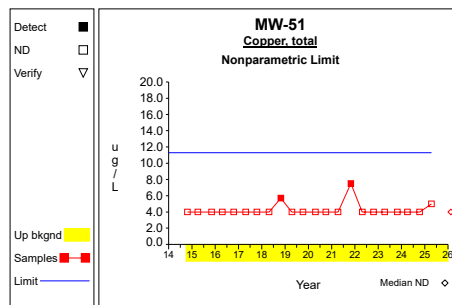
Graph 50



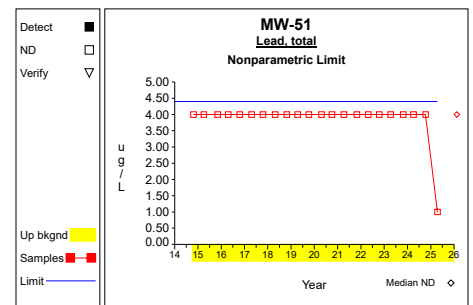
Graph 51



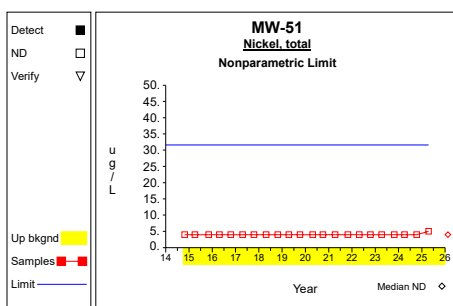
Graph 52



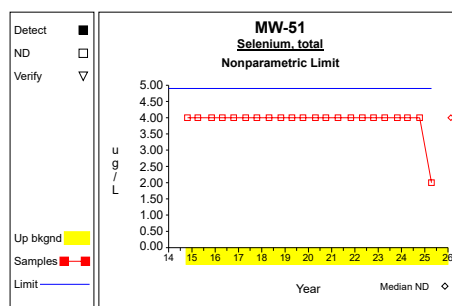
Graph 53



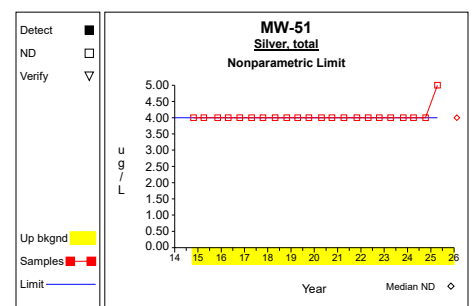
Graph 54



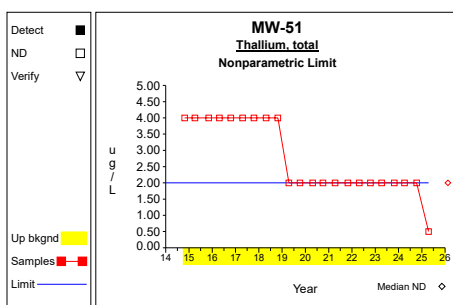
Graph 55



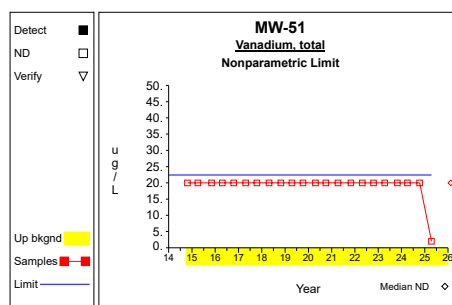
Graph 56



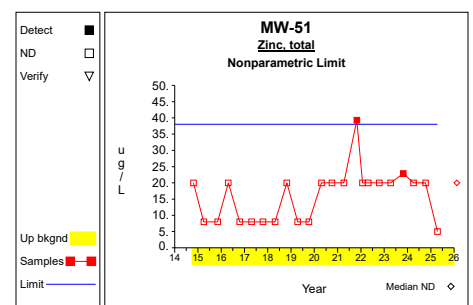
Graph 57



Graph 58

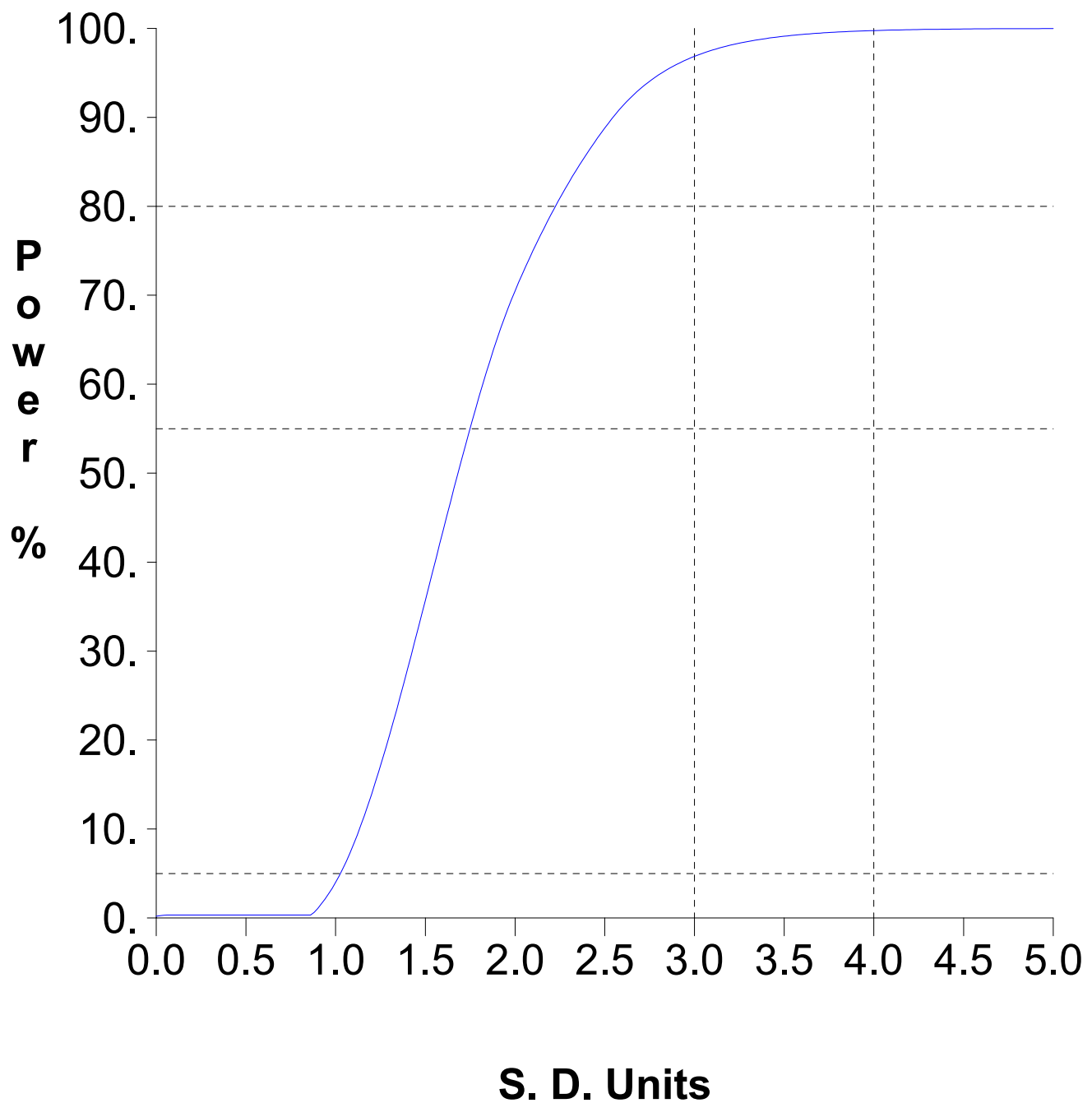


Graph 59



Graph 60

False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program



Attachment C

Assessment Statistics for Trace Metal Exceedances

Table 1

**Confidence Intervals for Comparing the Mean of the Last
4 Measurements to an Assessment Monitoring Standard**

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Arsenic, total	ug/L	MW-48A	4	18.675	5.328	1.176	12.408	24.942	10.000		**
Cobalt, total	ug/L	MW-48A	4	0.800	0.183	1.176	0.585	1.015	2.100	dec	
Nickel, total	ug/L	MW-48A	4	2.000	0.000	1.176	2.000	2.000	100.000	dec	
Arsenic, total	ug/L	MW-49A	4	39.850	8.840	1.176	29.451	50.249	10.000	inc	**
Cobalt, total	ug/L	MW-49A	4	15.950	5.064	1.176	9.993	21.907	2.100		**
Nickel, total	ug/L	MW-49A	4	46.650	4.254	1.176	41.646	51.654	100.000		

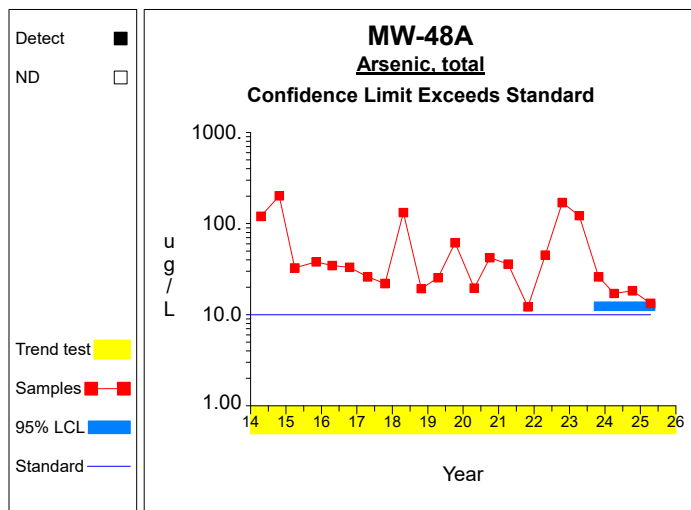
* - Insufficient Data

** - Significant Exceedance

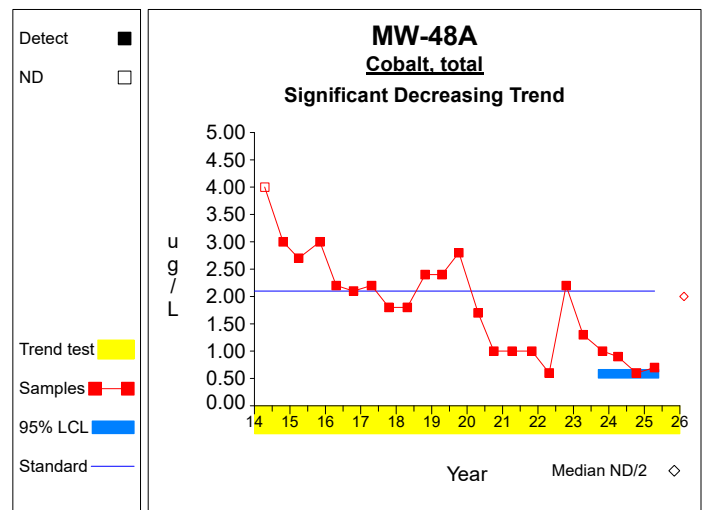
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

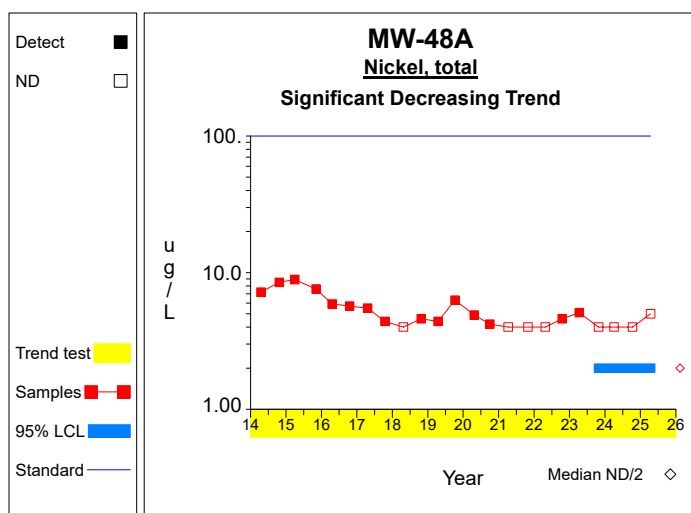
Confidence Limits (Assessment)



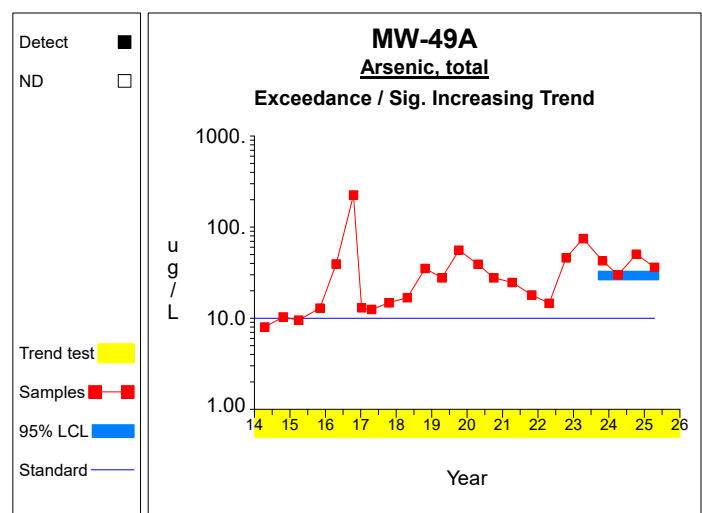
Graph 1



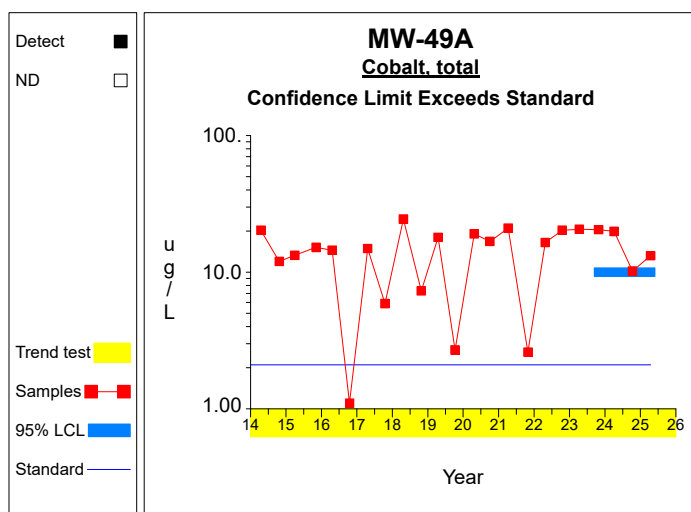
Graph 2



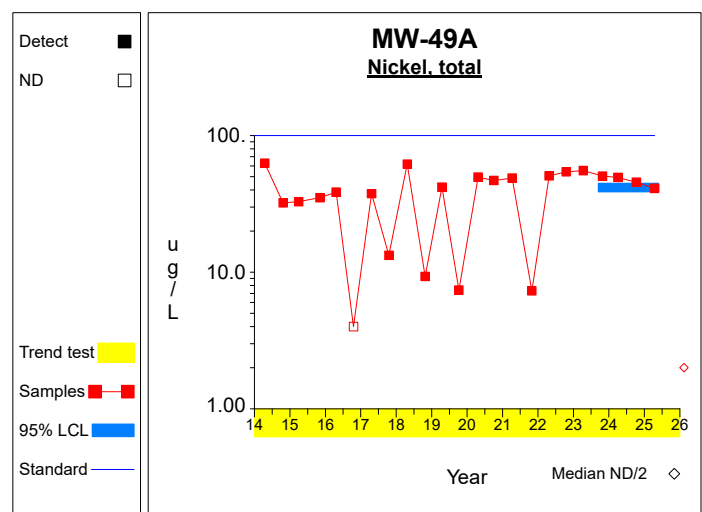
Graph 3



Graph 4



Graph 5



Graph 6

Attachment D

Summary Table of Historical VOC Detections

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chloroethane	GWD-1	10/18/2011		1.2	1.0	ug/L
Acetone	MW-37	10/16/2017		18.6	10.0	ug/L
Acetone	MW-39	10/16/2017		11	10	ug/L
Acetone	MW-48A	10/16/2017		16.3	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-48A	3/31/2015		17	8	ug/L
Acetone	MW-49A	4/16/2014		43.2	10.0	ug/L
Acetone	MW-49A	10/29/2021		281.0	10.0	ug/L
Acetone	MW-49A	4/25/2022		23.8	10.0	ug/L
Benzene	MW-49A	7/12/2005		1.0	1.0	ug/L
Benzene	MW-49A	4/11/2006		1.3	1.0	ug/L
Benzene	MW-49A	10/12/2006		1.3	1.0	ug/L
Benzene	MW-49A	4/20/2007		1.6	1.0	ug/L
Benzene	MW-49A	10/03/2007		2.0	1.0	ug/L
Benzene	MW-49A	6/13/2008		1.2	1.0	ug/L
Benzene	MW-49A	8/22/2008		2.0	1.0	ug/L
Benzene	MW-49A	12/23/2008		1.4	1.0	ug/L
Benzene	MW-49A	4/03/2009		1.9	1.0	ug/L
Benzene	MW-49A	6/19/2009		1.3	1.0	ug/L
Benzene	MW-49A	10/09/2009		1.9	1.0	ug/L
Benzene	MW-49A	2/23/2010		1.2	1.0	ug/L
Benzene	MW-49A	4/13/2010		1.6	1.0	ug/L
Benzene	MW-49A	10/18/2011		1.4	1.0	ug/L
Benzene	MW-49A	4/18/2012		1.9	1.0	ug/L
Benzene	MW-49A	10/09/2013		2.3	1.0	ug/L
Benzene	MW-49A	4/16/2014		1.8	1.0	ug/L
Benzene	MW-49A	10/23/2014		2.9	1.0	ug/L
Benzene	MW-49A	3/31/2015		3.5	1.0	ug/L
Benzene	MW-49A	11/05/2015		5.7	1.0	ug/L
Benzene	MW-49A	4/21/2016		3.4	1.0	ug/L
Benzene	MW-49A	10/17/2016		2.7	1.0	ug/L
Benzene	MW-49A	4/21/2017		1.6	1.0	ug/L
Benzene	MW-49A	10/16/2017		4.0	1.0	ug/L
Benzene	MW-49A	4/24/2018		3.4	1.0	ug/L
Benzene	MW-49A	10/25/2018		4.0	1.0	ug/L
Benzene	MW-49A	4/15/2019		3.2	1.0	ug/L
Benzene	MW-49A	10/07/2019		1.6	1.0	ug/L
Benzene	MW-49A	4/23/2020		2.4	1.0	ug/L
Benzene	MW-49A	10/01/2020		2.9	1.0	ug/L
Benzene	MW-49A	4/08/2021		3.4	1.0	ug/L
Benzene	MW-49A	10/29/2021		7.0	1.0	ug/L
Benzene	MW-49A	4/25/2022		5.9	1.0	ug/L
Benzene	MW-49A	10/17/2022		5.8	1.0	ug/L
Benzene	MW-49A	4/10/2023		4.2	1.0	ug/L
Benzene	MW-49A	10/27/2023		3.4	1.0	ug/L
Benzene	MW-49A	4/02/2024		2.8	1.0	ug/L
Benzene	MW-49A	10/10/2024		2.4	1.0	ug/L
Benzene	MW-49A	4/15/2025		4.6	1.0	ug/L
Chloroethane	MW-49A	8/22/2008		2.0	1.0	ug/L
Chloroethane	MW-49A	4/03/2009		1.7	1.0	ug/L
Chloroethane	MW-49A	6/19/2009		1.8	1.0	ug/L
Chloroethane	MW-49A	10/09/2009		2.2	1.0	ug/L
Chloroethane	MW-49A	2/23/2010		1.5	1.0	ug/L
Chloroethane	MW-49A	4/13/2010		2.2	1.0	ug/L
Chloroethane	MW-49A	10/14/2010		2.8	1.0	ug/L
Chloroethane	MW-49A	4/08/2011		1.5	1.0	ug/L
Chloroethane	MW-49A	10/18/2011		2.2	1.0	ug/L
Chloroethane	MW-49A	4/18/2012		2.3	1.0	ug/L
Chloroethane	MW-49A	10/17/2012		1.8	1.0	ug/L
Chloroethane	MW-49A	4/03/2013		2.1	1.0	ug/L
Chloroethane	MW-49A	10/09/2013		3.6	1.0	ug/L
Chloroethane	MW-49A	4/16/2014		4.9	1.0	ug/L
Chloroethane	MW-49A	10/23/2014		2.9	1.0	ug/L
Chloroethane	MW-49A	3/31/2015		10.5	1.0	ug/L
Chloroethane	MW-49A	11/05/2015		1.9	1.0	ug/L
Chloroethane	MW-49A	4/21/2016		1.7	1.0	ug/L
Chloroethane	MW-49A	10/17/2016		1.8	1.0	ug/L
Chloroethane	MW-49A	4/21/2017		2.0	1.0	ug/L
Chloroethane	MW-49A	10/16/2017		3.0	1.0	ug/L
Chloroethane	MW-49A	4/24/2018		3.3	1.0	ug/L
Chloroethane	MW-49A	10/25/2018		1.1	1.0	ug/L
Chloroethane	MW-49A	4/15/2019		1.9	1.0	ug/L
Chloroethane	MW-49A	4/23/2020		2.0	1.0	ug/L
Chloroethane	MW-49A	10/01/2020		2.7	1.0	ug/L
Chloroethane	MW-49A	4/08/2021		5.7	1.0	ug/L
Chloroethane	MW-49A	10/29/2021		6.3	1.0	ug/L
Chloroethane	MW-49A	4/25/2022		5.4	1.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chloroethane	MW-49A	10/17/2022		4.9	1.0	ug/L
Chloroethane	MW-49A	4/10/2023		3.5	1.0	ug/L
Chloroethane	MW-49A	10/27/2023		3.0	1.0	ug/L
Chloroethane	MW-49A	4/02/2024		3.5	1.0	ug/L
Chloroethane	MW-49A	10/10/2024		2.4	1.0	ug/L
Chloroethane	MW-49A	4/15/2025		3.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	4/13/2010		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	10/14/2010		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	10/18/2011		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	11/05/2015		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	10/01/2020		1.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	4/08/2021		3.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	10/29/2021		8.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	4/25/2022		6.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	10/17/2022		3.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	4/10/2023		1.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	10/27/2023		2.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	4/02/2024		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	10/10/2024		1.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	4/15/2025		5.2	1.0	ug/L
Dichlorodifluoromethane	MW-49A	3/31/2015		1.1	1.0	ug/L
Vinyl chloride	MW-49A	10/09/2013		1.6	1.0	ug/L
Vinyl chloride	MW-49A	4/16/2014		1.9	1.0	ug/L
Vinyl chloride	MW-49A	10/23/2014		1.6	1.0	ug/L
Vinyl chloride	MW-49A	3/31/2015		1.5	1.0	ug/L
Vinyl chloride	MW-49A	10/16/2017		1.3	1.0	ug/L
Vinyl chloride	MW-49A	4/24/2018		1.1	1.0	ug/L
Vinyl chloride	MW-49A	4/08/2021		3.2	1.0	ug/L
Vinyl chloride	MW-49A	10/29/2021		5.0	1.0	ug/L
Vinyl chloride	MW-49A	4/25/2022		3.9	1.0	ug/L
Vinyl chloride	MW-49A	10/17/2022		2.7	1.0	ug/L
Vinyl chloride	MW-49A	4/10/2023		1.6	1.0	ug/L
Vinyl chloride	MW-49A	10/27/2023		1.4	1.0	ug/L
Vinyl chloride	MW-49A	4/02/2024		2.9	1.0	ug/L
Vinyl chloride	MW-49A	10/10/2024		1.8	1.0	ug/L
Vinyl chloride	MW-49A	4/15/2025		4.5	1.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

**Confidence Intervals for Comparing the Mean of the Last
4 Measurements to an Assessment Monitoring Standard**

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Benzene	ug/L	MW-49A	4	3.300	0.959	1.176	2.172	4.428	5.000	inc
Chloroethane	ug/L	MW-49A	4	3.175	0.613	1.176	2.454	3.896	2800.000	inc
Cis-1,2-dichloroethylene	ug/L	MW-49A	4	3.325	1.450	1.176	1.619	5.031	70.000	
Vinyl chloride	ug/L	MW-49A	4	2.650	1.387	1.176	1.019	4.281	2.000	

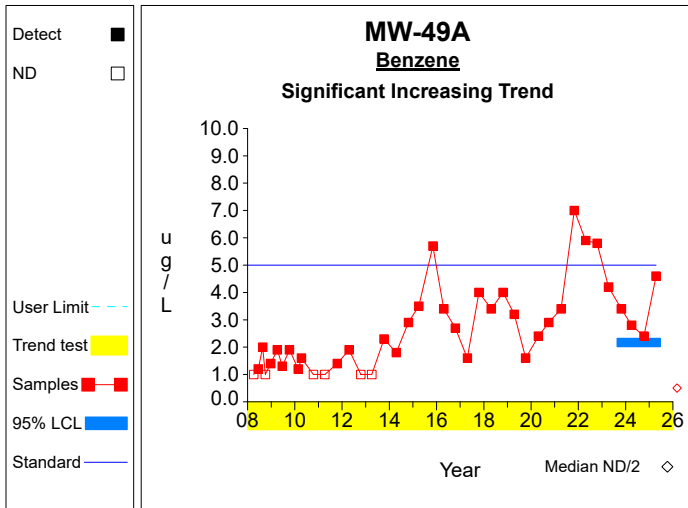
* - Insufficient Data

** - Significant Exceedance

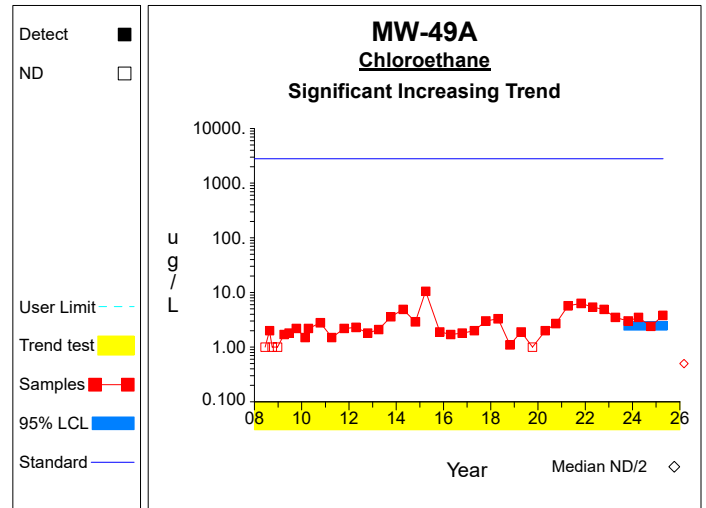
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

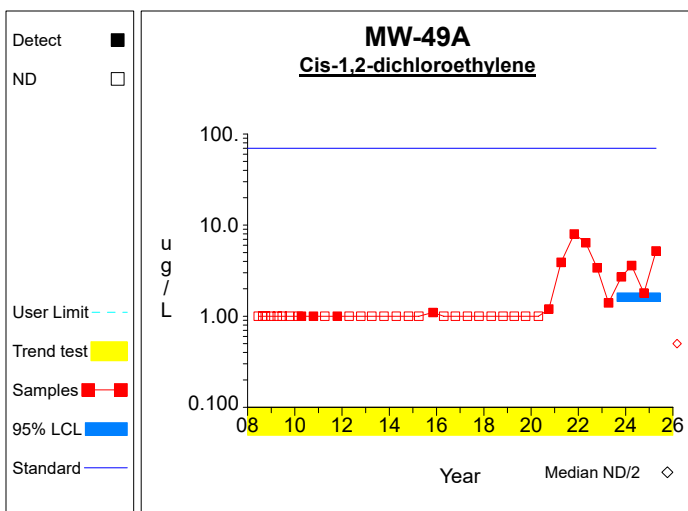
Confidence Limits (Assessment)



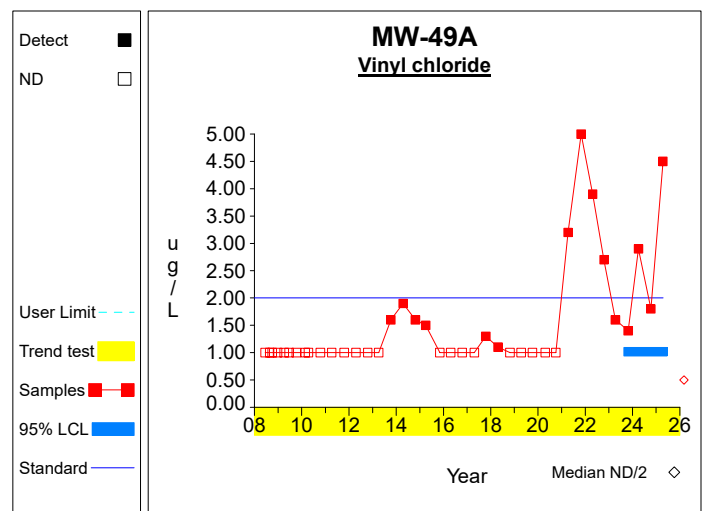
Graph 1



Graph 2



Graph 3



Graph 4

GROUND WATER STATISTICS
FOR THE
RURAL IOWA SANITARY LANDFILL – CLOSED AREA

First Semi-Annual Monitoring Event in 2025

Prepared for:
Rural Iowa Waste Management Association
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July 2025

INTRODUCTION

This report summarizes the results of the statistical analysis used to evaluate the ground water quality data obtained during the first semi-annual monitoring event in 2025 at the Rural Iowa Sanitary Landfill near Eldora in Hardin County, Iowa. The statistical plan was designed to detect a release from the facility at the earliest indication so that it is protective of human health and the environment. The interwell methodology is described and then applied to the Rural Iowa Sanitary Landfill data. The statistical plan conforms with IAC 567, Chapter 113.10 and the USEPA Unified Guidance document (“*Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities*”, March 2009).

Ground Water Monitoring Program

The groundwater monitoring network for the closed area of the Rural Iowa Sanitary Landfill includes sample points MW-36 (upgradient), MW-37 (upgradient), MW-39 (upgradient), MW-40 (upgradient), MW-47 (upgradient), GU-3, MW-13R, MW-14, MW-211, MW-29, MW-31R, MW-33, MW-35(R), MW-7, and MW-9. Each of the groundwater monitoring wells is to be sampled at least semiannually and analyzed for the detection monitoring parameters listed in 113.10(5), which includes 15 inorganic constituents and 47 organic compounds, summarized in Table 1 below.

Table 1: Detection monitoring constituents listed in Appendix I of IAC 567, Chapter 113.

Organic Compounds:

Acetone	<i>trans</i> -1,4-Dichloro-2-butene	Iodomethane
Acrylonitrile	1,1-Dichloroethane	4-Methyl-2-pentanone
Benzene	1,2-Dichloroethane	Styrene
Bromochloromethane	1,1-Dichloroethene	1,1,1,2-Tetrachloroethane
Bromodichloromethane	<i>cis</i> -1,2-Dichloroethene	1,1,2,2-Tetrachloroethane
Bromoform	<i>trans</i> -1,2-Dichloroethene	Tetrachloroethene
Carbon disulfide	1,2-Dichloropropane	Toluene
Carbon tetrachloride	<i>cis</i> -1,3-Dichloropropene	1,1,1-Trichloroethane
Chlorobenzene	<i>trans</i> -1,3-Dichloropropene	1,1,2-Trichloroethane
Chloroethane	Ethylbenzene	Trichloroethene
Chloroform	2-Hexanone	Trichlorofluoromethane
Dibromochloromethane	Bromomethane	1,2,3-Trichloropropane
1,2-Dibromo-3-chloropropane	Chloromethane	Vinyl acetate
1,2-Dibromoethane	Dibromomethane	Vinyl chloride
1,2-Dichlorobenzene	Methylene chloride	Xylenes (Total)
1,4-Dichlorobenzene	2-Butanone	

Inorganic constituents:

Antimony, Total	Chromium, Total	Selenium, Total
Arsenic, Total	Cobalt, Total	Silver, Total
Barium, Total	Copper, Total	Thallium, Total
Beryllium, Total	Lead, Total	Vanadium, Total
Cadmium, Total	Nickel, Total	Zinc, Total

Monitoring wells GU-3, MW-13R, MW-14, MW-211, MW-29, MW-31R, MW-33, MW-7, MW-9, MW-36, MW-37, MW-39, MW-40, and MW-47 were sampled on April 15, 2025 and analyzed for the constituents required by permit. The ground water data obtained during the first semi-annual monitoring event in 2025 are summarized in Attachment A.

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

IAC 567, Chapter 113.10(4) provides several options for statistically evaluating the ground water data at those wells that monitor the open cells or contiguous MSWLF units. The preferred methods for comparing ground water data are using either prediction limits or using control charts. The interwell method was applied to the Rural Iowa Sanitary Landfill data using the DUMPStat® statistical program. Ground water statistics are to be done on the inorganic constituents listed. The organic constituents are compared to maximum contaminant levels (MCLs) or practical quantitation limits (PQLs), in lieu of statistical comparisons to historical concentrations.

Interwell Statistics: Upgradient versus Downgradient Comparisons

Interwell statistics are appropriate when the upgradient and downgradient wells monitor the same ground water formation and there is similar variability in the upgradient and downgradient zones. Site prediction limits are determined by pooling the historical ground water data from hydraulically upgradient wells. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances. The type of prediction limit utilized (e.g., parametric or nonparametric) is based on the detection frequency and the data distribution of each parameter in the background data. The distribution of the background data is tested for normality using the Shapiro-Wilk test (Gibbons, 1994 and USEPA 1992). If the constituent is normally distributed, a normal prediction limit is used. If normality is rejected by the Shapiro-Wilk test, the background data is transformed by taking the natural logarithm. The Shapiro-Wilk test is then reapplied on the transformed data. If it is not rejected, lognormal prediction limits are used. If after transforming the data, normality is still rejected, nonparametric prediction limits are used for that analyte. The nonparametric prediction limit is the largest determination in the background measurements. For constituents where the background detection frequency is greater than 0% but less than 50%, nonparametric prediction limits will be used. If the detection frequency is 0% after thirteen samples have been collected, the practical quantitation limit (PQL) becomes the nonparametric prediction limit

Results of the Interwell Statistics

The background data used in this statistical analysis includes the ground water data collected from ground water wells MW-36, MW-37, MW-39, MW-40, and MW-47 during the period from October 2014 through the current data. A summary of the background data from monitoring wells MW-36, MW-37, MW-39, MW-40, and MW-47, used to determine the site prediction limits, is listed in Attachment B, Table 1 “Upgradient Data”. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances.

Table 2 “Most Current Downgradient Monitoring Data”, summarizes the current data from downgradient wells GU-3, MW-13R, MW-14, MW-211, MW-29, MW-31R, MW-33, MW-35R, MW-7, and MW-9, compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks. For the data obtained during the first semi-annual monitoring event in 2025, the site prediction limit exceedances detected are summarized in the table below.

Trace Metal Prediction Limit Exceedances During the First Semi-Annual Monitoring Event in 2025

Well	Trace Metal Detected	Result, µg/L	Prediction Limit, µg/L	Prediction Limit Type	Verified/ Awaiting Verification
MW-13R	Arsenic	183	89.3000	Nonparametric	Verified
MW-14	Cobalt	14.3	12.4000	Nonparametric	Awaiting Verification
MW-211	Cobalt	15.1	12.4000	Nonparametric	Verified
	Nickel	33.0	31.6000	Nonparametric	Verified
MW-31R	Cobalt	16.8	12.4000	Nonparametric	Verified
MW-7	Arsenic	608	89.3000	Nonparametric	Verified

The detection frequencies of the parameters in the up and down gradient monitoring wells are summarized in Table 3. Barium was detected at a frequency greater than 50% in the upgradient wells so barium was tested for normality. The remainder of the metals are rarely detected (less than 50%) in the upgradient wells so nonparametric limits were used in those cases.

Table 4 summarizes the results of the Shapiro-Wilk test. Table 5 is a summary of the statistics and prediction limits determined for the metals. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

A statistical power curve indicates the expected false assessments for the site as a whole. The false positive rate for interwell analyses is the percentage of failures when the upgradient versus downgradient true mean difference equals zero. False negative rate indicates the chance of missing contamination at a single well for a single constituent. The statistical power is a function of the number of wells included, the number of constituents compared, the detection frequencies, and the data distributions involved. For interwell analysis, the site-wide false positive rate is 1% and the test becomes sensitive to 3 standard deviation unit increases over background.

The past and current verified metals exceedances were evaluated against the ground water protection standards (GWPS) using confidence limits calculated in accordance with the Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, USEPA, March 2009 (Attachment C). The analysis was conducted to evaluate whether verified concentrations are significantly above the water quality standard. The 95% lower confidence limit (LCL) for the mean of the historical data was used to evaluate whether the regulated unit is in compliance with the ground-water protection standards under 40 CFR 264 (e.g. whether the verified constituent is detected at a significant level above the GWPS). An exceedance is verified if the LCL is above the Regulatory GWPS.

The 95% LCL for arsenic at MW-13R (67.270 µg/L) exceeds the GWPS of 10 µg/L.

The 95% LCL for arsenic at MW-14 (44.002 µg/L) exceeds the GWPS of 10 µg/L.

The 95% LCL for cobalt at MW-14 (10.019 µg/L) exceeds the Iowa Statewide Standard of 2.1 µg/L.

The 95% LCL for arsenic at MW-211 (25.767 µg/L) exceeds the GWPS of 10 µg/L.

The 95% LCL for cobalt at MW-211 (10.674 µg/L) exceeds the Iowa Statewide Standard of 2.1 µg/L.

The 95% LCL for arsenic at MW-31R (24.261 µg/L) exceeds the GWPS of 10 µg/L.

The 95% LCL for cobalt at MW-31R (14.481 µg/L) exceeds the Iowa Statewide Standard of 2.1 µg/L.

The 95% LCL for arsenic at MW-7 (81.634 µg/L) exceeds the GWPS of 10 µg/L.

The remainder of the calculated 95% LCLs are below the respective GWPS.

Volatile Organic Compounds

Volatile Organic Compounds (VOCs) are generally man-made compounds not present in ambient ground water. If VOCs are detected above their statistical limit (i.e., the laboratory PQL or reporting limit), a verification resample will be conducted at the next scheduled sampling event. A statistical exceedance will be indicated if the VOC detection is confirmed by the subsequent monitoring. The VOCs detected in the ground water at Rural Iowa Sanitary Landfill during the first semi-annual monitoring event in 2025 are summarized below. Historical VOC detections are summarized in Attachment D.

VOCs detected during the first semi-annual monitoring period in 2025

Well	VOC Detected	Result, µg/L	Reporting Limit, µg/L	Verified/ Awaiting verification	Water Quality Standard
MW-13R	1,4-Dichlorobenzene	1.2	1	Verified	75 ^a
	Benzene	3.1	1	Verified	5 ^a
	Chlorobenzene	34.0	1	Verified	100 ^a
MW-14	Chloroethane	1.2	1	Awaiting verification	2800 ^b
MW-211	Benzene	1.6	1	Verified	5 ^a
	Chlorobenzene	4.3	1	Verified	100 ^a
	Chloroethane	1.1	1	Awaiting verification	2800 ^b
MW-31R	1,1-Dichloroethane	2.7	1	Verified	140 ^b
	1,4-Dichlorobenzene	16.7	1	Verified	75 ^a
	Benzene	1.3	1	Verified	5 ^a
	Chlorobenzene	22.3	1	Verified	100 ^a
	Chloroethane	3.6	1	Verified	2800 ^b
	<i>cis</i> -1,2-Dichloroethene	14.0	1	Verified	70 ^a
	<i>trans</i> -1,2-Dichloroethene	1.7	1	Verified	100 ^a
MW-35R	Chloroethane	3.2	1	Awaiting verification	2800 ^b
MW-7	Benzene	1.2	1	Awaiting verification	5 ^a
	Chloroethane	4.5	1	Verified	2800 ^b

a - USEPA MCL

b- Iowa Statewide Standard for a protected groundwater source

The verified VOC detections were evaluated against the ground water protection standards (GWPS) using confidence limits calculated in accordance with the Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, USEPA, March 2009.

The calculated 95% LCLs for the verified VOCs are below the respective GWPS (Attachment E).

CONCLUSIONS

This report summarizes the statistical analyses used to evaluate the ground water data obtained during the first semi-annual monitoring event in 2025 at Rural Iowa Sanitary Landfill. The groundwater monitoring network for Rural Iowa Sanitary Landfill includes wells MW-36 (upgradient), MW-37 (upgradient), MW-39 (upgradient), MW-40 (upgradient), MW-47 (upgradient), GU-3, MW-13R, MW-14, MW-211, MW-29, MW-31R, MW-33, MW-35R, MW-7, and MW-9. These monitoring wells were sampled on April 15, 2025 and analyzed for the parameters required by permit.

The ground water data was compared to background using prediction limits (interwell). There are verified site prediction limit exceedances detected for arsenic at MW-13R, cobalt at MW-211, nickel at MW-211, cobalt at MW-31R, and arsenic at MW-7. The VOCs were compared to MCLs or PQLs, in lieu of statistical comparisons to historical concentrations. There are verified VOC detections at MW-13R, MW-211, MW-31R, and MW-7. The calculated 95% LCLs for the verified VOCs are below the respective GWPS.

Attachment A

Summary of the Data obtained during the First Semi-Annual Monitoring event in 2025

Table 1

Analytical Data Summary for 4/15/2025

Constituents	Units	GU-3	MW-13R	MW-14	MW-211	MW-29	MW-31R	MW-33	MW-35R	MW-36	MW-37	MW-39
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	2.7	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1.0	1.2	<1.0	<1.0	<1.0	16.7	<1.0	<1.0	<1.0	<1.0	<1.0
2-butanone (mek)	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Arsenic, total	ug/L	8.1	183.0	58.6	67.4	<2.0	43.6	<2.0	6.5	<2.0	<2.0	<2.0
Barium, total	ug/L	208.0	853.0	742.0	506.0	86.1	1610.0	167.0	1520.0	331.0	43.9	287.0
Benzene	ug/L	<1.0	3.1	<1.0	1.6	<1.0	1.3	<1.0	<1.0	<1.0	<1.0	<1.0
Beryllium, total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<2	<2	<2	<2	<2	<2	<2	.2	.2	<2	<2
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1.0	34.0	<1.0	4.3	<1.0	22.3	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	ug/L	<1.0	<1.0	1.2	1.1	<1.0	3.6	<1.0	3.2	<1.0	<1.0	<1.0
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	1.0	1.1	1.8	1.2	1.2	1.1	1.1	1.7	1.4	2.1	1.2
Cis-1,2-dichloroethylene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	14.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	1.1	3.3	14.3	15.1	<5	16.8	<5	5.6	2.0	<5	<5
Copper, total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	<1.0
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<5.0	5.0	17.9	33.0	<5.0	28.9	<5.0	23.6	<5.0	<5.0	<5.0
Selenium, total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	3.6	<2.0	<2.0	<2.0
Silver, total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<1.0	<1.0	<1.0	<1.0
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<2.0	<2.0	2.7	<2.0	<2.0	<2.0	<2.0	<2.0	2.1	<2.0	<2.0
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	6.7	<5.0	<5.0	5.4	<5.0	<5.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 1

Analytical Data Summary for 4/15/2025

Constituents	MW-40	MW-47	MW-7	MW-9	PECS-1	TILE ACM-1
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	3.4
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	1.6
2-butanone (mek)	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5
Antimony, total	<1	<1	<1	<1		<1
Arsenic, total	<2.0		608.0	4.1		358.0
Barium, total	46.7	985.0	643.0	195.0		1230.0
Benzene	<1.0	<1.0	1.2	<1.0	<1.0	1.6
Beryllium, total	<.5	<.5	<.5	<.5		<.5
Bromochloromethane	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1
Cadmium, total	<.2	<.2	<.2	<.2		<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	11.5
Chloroethane	<1.0	<1.0	4.5	<1.0	<1.0	5.5
Chloroform	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1
Chromium, total	1.2	1.3	1.1	1.1		2.9
Cis-1,2-dichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	2.1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Cobalt, total	3.2	2.4	9.5	<.5		11.0
Copper, total	<5	<5	<5	<5		<5
Dibromochloromethane	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1
Lead, total	<1.0	<1.0	<1.0	<1.0		1.1
Methyl iodide	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5
Nickel, total	16.3	<5.0	18.8	6.7		29.1
Selenium, total	<2.0	<2.0	<2.0	<2.0		<2.0
Silver, total	<5	<5	<5	<5		<5
Styrene	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1
Thallium, total	<.5	<.5	<.5	<.5		<.5
Toluene	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1
Vanadium, total	<2.0	<2.0	3.1	<2.0		6.5
Vinyl acetate	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1.0	<1.0	<1.0	<1.0	<1.0	1.2
Xylenes, total	<2	<2	<2	<2	<2	<2
Zinc, total	7.0	<5.0	<5.0	<5.0		357.0

* - The displayed value is the arithmetic mean of multiple database matches.

Attachment B

Summary Tables and Graphs for the Interwell Comparisons

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-36	07/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-36	04/21/2016	ND	2.0000		
Antimony, total	ug/L	MW-36	10/17/2016	ND	2.0000		
Antimony, total	ug/L	MW-36	04/21/2017	ND	2.0000		
Antimony, total	ug/L	MW-36	10/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-36	04/24/2018	ND	2.0000		
Antimony, total	ug/L	MW-36	10/25/2018	ND	2.0000		
Antimony, total	ug/L	MW-36	04/15/2019	ND	2.0000		
Antimony, total	ug/L	MW-36	10/07/2019	ND	2.0000		
Antimony, total	ug/L	MW-36	04/22/2020	ND	2.0000		
Antimony, total	ug/L	MW-36	10/02/2020	ND	2.0000		
Antimony, total	ug/L	MW-36	04/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-36	10/29/2021	ND	2.0000		
Antimony, total	ug/L	MW-36	04/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-36	10/17/2022	ND	2.0000		
Antimony, total	ug/L	MW-36	04/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-36	10/27/2023	ND	2.0000		
Antimony, total	ug/L	MW-36	04/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-36	10/10/2024	ND	2.0000		
Antimony, total	ug/L	MW-36	04/15/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-36	07/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/21/2017	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/16/2017	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/24/2018	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/22/2020	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/25/2022	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/10/2024	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/15/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-36	07/08/2015		366.0000		
Barium, total	ug/L	MW-36	04/21/2016		184.0000		
Barium, total	ug/L	MW-36	10/17/2016		162.0000		
Barium, total	ug/L	MW-36	04/21/2017		158.0000		
Barium, total	ug/L	MW-36	10/16/2017		233.0000		
Barium, total	ug/L	MW-36	04/24/2018		230.0000		
Barium, total	ug/L	MW-36	10/25/2018		184.0000		
Barium, total	ug/L	MW-36	04/15/2019		174.0000		
Barium, total	ug/L	MW-36	10/07/2019		235.0000		
Barium, total	ug/L	MW-36	04/22/2020		348.0000		
Barium, total	ug/L	MW-36	10/02/2020		176.0000		
Barium, total	ug/L	MW-36	04/08/2021		173.0000		
Barium, total	ug/L	MW-36	10/29/2021		203.0000		
Barium, total	ug/L	MW-36	04/25/2022		267.0000		
Barium, total	ug/L	MW-36	10/17/2022		219.0000		
Barium, total	ug/L	MW-36	04/10/2023		260.0000		
Barium, total	ug/L	MW-36	10/27/2023		258.0000		
Barium, total	ug/L	MW-36	04/02/2024		200.0000		
Barium, total	ug/L	MW-36	10/10/2024		329.0000		
Barium, total	ug/L	MW-36	04/15/2025		331.0000		
Beryllium, total	ug/L	MW-36	07/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/21/2017	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/24/2018	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/22/2020	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/25/2022	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/10/2024	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/15/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-36	07/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/21/2016	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/17/2016	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/21/2017	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/16/2017	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/24/2018	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/25/2018	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/15/2019	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/07/2019	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/22/2020	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/02/2020	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/29/2021	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/17/2022	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/27/2023	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/10/2024	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/15/2025		0.2000		*
Chromium, total	ug/L	MW-36	07/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-36	04/21/2016	ND	8.0000		
Chromium, total	ug/L	MW-36	10/17/2016	ND	8.0000		
Chromium, total	ug/L	MW-36	04/21/2017	ND	8.0000		
Chromium, total	ug/L	MW-36	10/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-36	04/24/2018	ND	8.0000		
Chromium, total	ug/L	MW-36	10/25/2018	ND	8.0000		
Chromium, total	ug/L	MW-36	04/15/2019	ND	8.0000		
Chromium, total	ug/L	MW-36	10/07/2019	ND	8.0000		
Chromium, total	ug/L	MW-36	04/22/2020		8.0000		
Chromium, total	ug/L	MW-36	10/02/2020	ND	8.0000		
Chromium, total	ug/L	MW-36	04/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-36	10/29/2021	ND	8.0000		
Chromium, total	ug/L	MW-36	04/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-36	10/17/2022	ND	8.0000		
Chromium, total	ug/L	MW-36	04/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-36	10/27/2023	ND	8.0000		
Chromium, total	ug/L	MW-36	04/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-36	10/10/2024		13.6000		
Chromium, total	ug/L	MW-36	04/15/2025		1.4000		*
Cobalt, total	ug/L	MW-36	07/08/2015		34.1000		*
Cobalt, total	ug/L	MW-36	04/21/2016		2.4000		
Cobalt, total	ug/L	MW-36	10/17/2016		0.8000		
Cobalt, total	ug/L	MW-36	04/21/2017		2.1000		
Cobalt, total	ug/L	MW-36	10/16/2017		2.0000		
Cobalt, total	ug/L	MW-36	04/24/2018		3.9000		
Cobalt, total	ug/L	MW-36	10/25/2018		0.8000		
Cobalt, total	ug/L	MW-36	04/15/2019	ND	0.8000		
Cobalt, total	ug/L	MW-36	10/07/2019		1.3000		
Cobalt, total	ug/L	MW-36	04/22/2020		7.8000		
Cobalt, total	ug/L	MW-36	10/02/2020		0.4000		
Cobalt, total	ug/L	MW-36	04/08/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-36	10/29/2021		0.7000		
Cobalt, total	ug/L	MW-36	04/25/2022		4.7000		
Cobalt, total	ug/L	MW-36	10/17/2022		2.4000		
Cobalt, total	ug/L	MW-36	04/10/2023		1.4000		
Cobalt, total	ug/L	MW-36	10/27/2023		1.3000		
Cobalt, total	ug/L	MW-36	04/02/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-36	10/10/2024		7.6000		
Cobalt, total	ug/L	MW-36	04/15/2025		2.0000		
Copper, total	ug/L	MW-36	07/08/2015		6.7000		
Copper, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Copper, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Copper, total	ug/L	MW-36	04/21/2017	ND	4.0000		
Copper, total	ug/L	MW-36	10/16/2017	ND	4.0000		
Copper, total	ug/L	MW-36	04/24/2018		4.4000		
Copper, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Copper, total	ug/L	MW-36	04/15/2019	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Copper, total	ug/L	MW-36	04/22/2020		11.3000		
Copper, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Copper, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Copper, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Copper, total	ug/L	MW-36	04/25/2022		6.8000		
Copper, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Copper, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Copper, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Copper, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Copper, total	ug/L	MW-36	10/10/2024		19.2000		*
Copper, total	ug/L	MW-36	04/15/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-36	07/08/2015	ND	4.0000		
Lead, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Lead, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Lead, total	ug/L	MW-36	04/21/2017	ND	4.0000		
Lead, total	ug/L	MW-36	10/16/2017	ND	4.0000		
Lead, total	ug/L	MW-36	04/24/2018		4.2000		
Lead, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Lead, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Lead, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Lead, total	ug/L	MW-36	04/22/2020		4.3000		
Lead, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Lead, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Lead, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Lead, total	ug/L	MW-36	04/25/2022	ND	4.0000		
Lead, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Lead, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Lead, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Lead, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Lead, total	ug/L	MW-36	10/10/2024		4.4000		
Lead, total	ug/L	MW-36	04/15/2025	ND	1.0000		*
Nickel, total	ug/L	MW-36	07/08/2015		15.8000		
Nickel, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Nickel, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Nickel, total	ug/L	MW-36	04/21/2017		5.0000		
Nickel, total	ug/L	MW-36	10/16/2017		4.0000		
Nickel, total	ug/L	MW-36	04/24/2018		9.1000		
Nickel, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Nickel, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Nickel, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Nickel, total	ug/L	MW-36	04/22/2020		19.6000		
Nickel, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Nickel, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Nickel, total	ug/L	MW-36	04/25/2022		11.1000		
Nickel, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Nickel, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Nickel, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Nickel, total	ug/L	MW-36	10/10/2024		21.5000		
Nickel, total	ug/L	MW-36	04/15/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-36	07/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Selenium, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Selenium, total	ug/L	MW-36	04/21/2017	ND	4.0000		
Selenium, total	ug/L	MW-36	10/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-36	04/24/2018	ND	4.0000		
Selenium, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Selenium, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Selenium, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Selenium, total	ug/L	MW-36	04/22/2020	ND	4.0000		
Selenium, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Selenium, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Selenium, total	ug/L	MW-36	04/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Selenium, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Selenium, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-36	10/10/2024	ND	4.0000		
Selenium, total	ug/L	MW-36	04/15/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-36	07/08/2015	ND	4.0000		
Silver, total	ug/L	MW-36	04/21/2016	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Silver, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Silver, total	ug/L	MW-36	04/21/2017	ND	4.0000		
Silver, total	ug/L	MW-36	10/16/2017	ND	4.0000		
Silver, total	ug/L	MW-36	04/24/2018	ND	4.0000		
Silver, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Silver, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Silver, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Silver, total	ug/L	MW-36	04/22/2020	ND	4.0000		
Silver, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Silver, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Silver, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Silver, total	ug/L	MW-36	04/25/2022	ND	4.0000		
Silver, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Silver, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Silver, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Silver, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Silver, total	ug/L	MW-36	10/10/2024	ND	4.0000		
Silver, total	ug/L	MW-36	04/15/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-36	07/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	04/21/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	10/17/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	04/21/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	10/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	04/24/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	10/25/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	04/15/2019	ND	2.0000		
Thallium, total	ug/L	MW-36	10/07/2019	ND	2.0000		
Thallium, total	ug/L	MW-36	04/22/2020	ND	2.0000		
Thallium, total	ug/L	MW-36	10/02/2020	ND	2.0000		
Thallium, total	ug/L	MW-36	04/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-36	10/29/2021	ND	2.0000		
Thallium, total	ug/L	MW-36	04/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-36	10/17/2022	ND	2.0000		
Thallium, total	ug/L	MW-36	04/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-36	10/27/2023	ND	2.0000		
Thallium, total	ug/L	MW-36	04/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-36	10/10/2024	ND	2.0000		
Thallium, total	ug/L	MW-36	04/15/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-36	07/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/21/2016	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/17/2016	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/21/2017	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/24/2018	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/25/2018	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/15/2019	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/07/2019	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/22/2020	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/02/2020	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/29/2021	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/17/2022	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/27/2023	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/10/2024		22.4000		
Vanadium, total	ug/L	MW-36	04/15/2025		2.1000		*
Zinc, total	ug/L	MW-36	07/08/2015		13.1000		
Zinc, total	ug/L	MW-36	04/21/2016	ND	20.0000		
Zinc, total	ug/L	MW-36	10/17/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-36	04/21/2017		9.0000		
Zinc, total	ug/L	MW-36	10/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-36	04/24/2018		10.8000		
Zinc, total	ug/L	MW-36	10/25/2018	ND	20.0000		
Zinc, total	ug/L	MW-36	04/15/2019	ND	20.0000		
Zinc, total	ug/L	MW-36	10/07/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-36	04/22/2020		26.8000		
Zinc, total	ug/L	MW-36	10/02/2020	ND	20.0000		
Zinc, total	ug/L	MW-36	04/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-36	10/29/2021	ND	20.0000		
Zinc, total	ug/L	MW-36	04/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-36	10/17/2022	ND	20.0000		
Zinc, total	ug/L	MW-36	04/10/2023	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	MW-36	10/27/2023	ND	20.0000		
Zinc, total	ug/L	MW-36	04/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-36	10/10/2024		38.0000		
Zinc, total	ug/L	MW-36	04/15/2025		5.4000		
Antimony, total	ug/L	MW-37	10/23/2014	ND	2.0000		
Antimony, total	ug/L	MW-37	01/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-37	04/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-37	07/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-37	11/05/2015	ND	2.0000		
Antimony, total	ug/L	MW-37	04/21/2016	ND	2.0000		
Antimony, total	ug/L	MW-37	10/17/2016	ND	2.0000		
Antimony, total	ug/L	MW-37	04/21/2017	ND	2.0000		
Antimony, total	ug/L	MW-37	10/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-37	04/24/2018	ND	2.0000		
Antimony, total	ug/L	MW-37	10/25/2018	ND	2.0000		
Antimony, total	ug/L	MW-37	04/15/2019	ND	2.0000		
Antimony, total	ug/L	MW-37	10/07/2019	ND	2.0000		
Antimony, total	ug/L	MW-37	04/22/2020	ND	2.0000		
Antimony, total	ug/L	MW-37	10/02/2020	ND	2.0000		
Antimony, total	ug/L	MW-37	04/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-37	10/29/2021	ND	2.0000		
Antimony, total	ug/L	MW-37	04/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-37	10/17/2022	ND	2.0000		
Antimony, total	ug/L	MW-37	04/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-37	10/27/2023	ND	2.0000		
Antimony, total	ug/L	MW-37	04/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-37	10/10/2024	ND	2.0000		
Antimony, total	ug/L	MW-37	04/15/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-37	10/23/2014	ND	4.0000		
Arsenic, total	ug/L	MW-37	01/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/21/2017	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/24/2018	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/25/2018	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/27/2023		11.6000		
Arsenic, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/10/2024	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/15/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-37	10/23/2014		216.0000		
Barium, total	ug/L	MW-37	01/08/2015		169.0000		
Barium, total	ug/L	MW-37	04/01/2015		185.0000		
Barium, total	ug/L	MW-37	07/08/2015		141.0000		
Barium, total	ug/L	MW-37	11/05/2015		175.0000		
Barium, total	ug/L	MW-37	04/21/2016		143.0000		
Barium, total	ug/L	MW-37	10/17/2016		154.0000		
Barium, total	ug/L	MW-37	04/21/2017		163.0000		
Barium, total	ug/L	MW-37	10/16/2017		178.0000		
Barium, total	ug/L	MW-37	04/24/2018		142.0000		
Barium, total	ug/L	MW-37	10/25/2018		91.5000		
Barium, total	ug/L	MW-37	04/15/2019		82.0000		
Barium, total	ug/L	MW-37	10/07/2019		102.0000		
Barium, total	ug/L	MW-37	04/22/2020		78.1000		
Barium, total	ug/L	MW-37	10/02/2020		87.9000		
Barium, total	ug/L	MW-37	04/08/2021		51.5000		
Barium, total	ug/L	MW-37	10/29/2021		71.0000		
Barium, total	ug/L	MW-37	04/25/2022		57.0000		
Barium, total	ug/L	MW-37	10/17/2022		75.8000		
Barium, total	ug/L	MW-37	04/10/2023		31.4000		
Barium, total	ug/L	MW-37	10/27/2023		107.0000		
Barium, total	ug/L	MW-37	04/02/2024		51.9000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Barium, total	ug/L	MW-37	10/10/2024		67.6000		
Barium, total	ug/L	MW-37	04/15/2025		43.9000		
Beryllium, total	ug/L	MW-37	10/23/2014	ND	4.0000		
Beryllium, total	ug/L	MW-37	01/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/21/2017	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/24/2018	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/25/2018	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/27/2023	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/10/2024	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/15/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-37	10/23/2014	ND	0.8000		
Cadmium, total	ug/L	MW-37	01/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-37	07/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-37	11/05/2015	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/21/2016	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/17/2016	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/21/2017	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/16/2017	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/24/2018	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/25/2018	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/15/2019	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/07/2019	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/22/2020	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/02/2020	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/29/2021	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/17/2022	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/27/2023	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/10/2024	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/15/2025	ND	0.2000		*
Chromium, total	ug/L	MW-37	10/23/2014	ND	8.0000		
Chromium, total	ug/L	MW-37	01/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-37	04/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-37	07/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-37	11/05/2015	ND	8.0000		
Chromium, total	ug/L	MW-37	04/21/2016	ND	8.0000		
Chromium, total	ug/L	MW-37	10/17/2016	ND	8.0000		
Chromium, total	ug/L	MW-37	04/21/2017		20.3000		
Chromium, total	ug/L	MW-37	10/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-37	04/24/2018	ND	8.0000		
Chromium, total	ug/L	MW-37	10/25/2018	ND	8.0000		
Chromium, total	ug/L	MW-37	04/15/2019	ND	8.0000		
Chromium, total	ug/L	MW-37	10/07/2019	ND	8.0000		
Chromium, total	ug/L	MW-37	04/22/2020	ND	8.0000		
Chromium, total	ug/L	MW-37	10/02/2020	ND	8.0000		
Chromium, total	ug/L	MW-37	04/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-37	10/29/2021	ND	8.0000		
Chromium, total	ug/L	MW-37	04/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-37	10/17/2022	ND	8.0000		
Chromium, total	ug/L	MW-37	04/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-37	10/27/2023	ND	8.0000		
Chromium, total	ug/L	MW-37	04/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-37	10/10/2024	ND	8.0000		
Chromium, total	ug/L	MW-37	04/15/2025		2.1000		*

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, total	ug/L	MW-37	10/23/2014	ND	0.8000		
Cobalt, total	ug/L	MW-37	01/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-37	04/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-37	07/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-37	11/05/2015	ND	0.8000		
Cobalt, total	ug/L	MW-37	04/21/2016	ND	0.8000		
Cobalt, total	ug/L	MW-37	10/17/2016	ND	0.8000		
Cobalt, total	ug/L	MW-37	04/21/2017	ND	0.8000		
Cobalt, total	ug/L	MW-37	10/16/2017	ND	0.8000		
Cobalt, total	ug/L	MW-37	04/24/2018	ND	0.8000		
Cobalt, total	ug/L	MW-37	10/25/2018	ND	0.8000		
Cobalt, total	ug/L	MW-37	04/15/2019	ND	0.8000		
Cobalt, total	ug/L	MW-37	10/07/2019	ND	0.8000		
Cobalt, total	ug/L	MW-37	04/22/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-37	10/02/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-37	04/08/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-37	10/29/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-37	04/25/2022		0.4000		
Cobalt, total	ug/L	MW-37	10/17/2022		2.2000		
Cobalt, total	ug/L	MW-37	04/10/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-37	10/27/2023		9.6000		*
Cobalt, total	ug/L	MW-37	04/02/2024		0.6000		
Cobalt, total	ug/L	MW-37	10/10/2024		4.4000		*
Cobalt, total	ug/L	MW-37	04/15/2025	ND	0.5000	0.8000	**
Copper, total	ug/L	MW-37	10/23/2014		4.1000		
Copper, total	ug/L	MW-37	01/08/2015	ND	4.0000		
Copper, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Copper, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Copper, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Copper, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Copper, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Copper, total	ug/L	MW-37	04/21/2017	ND	4.0000		
Copper, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Copper, total	ug/L	MW-37	04/24/2018	ND	4.0000		
Copper, total	ug/L	MW-37	10/25/2018		13.7000		*
Copper, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Copper, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Copper, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Copper, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Copper, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Copper, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Copper, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Copper, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Copper, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Copper, total	ug/L	MW-37	10/27/2023	ND	4.0000		
Copper, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Copper, total	ug/L	MW-37	10/10/2024	ND	4.0000		
Copper, total	ug/L	MW-37	04/15/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-37	10/23/2014	ND	4.0000		
Lead, total	ug/L	MW-37	01/08/2015	ND	4.0000		
Lead, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Lead, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Lead, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Lead, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Lead, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Lead, total	ug/L	MW-37	04/21/2017		22.7000		*
Lead, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Lead, total	ug/L	MW-37	04/24/2018	ND	4.0000		
Lead, total	ug/L	MW-37	10/25/2018	ND	4.0000		
Lead, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Lead, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Lead, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Lead, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Lead, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Lead, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Lead, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Lead, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Lead, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Lead, total	ug/L	MW-37	10/27/2023	ND	4.0000		
Lead, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Lead, total	ug/L	MW-37	10/10/2024	ND	4.0000		
Lead, total	ug/L	MW-37	04/15/2025	ND	1.0000		*
Nickel, total	ug/L	MW-37	10/23/2014	ND	4.0000		
Nickel, total	ug/L	MW-37	01/08/2015	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Nickel, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Nickel, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Nickel, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Nickel, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Nickel, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Nickel, total	ug/L	MW-37	04/21/2017	ND	4.0000		
Nickel, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Nickel, total	ug/L	MW-37	04/24/2018	ND	4.0000		
Nickel, total	ug/L	MW-37	10/25/2018	ND	4.0000		
Nickel, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Nickel, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Nickel, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Nickel, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Nickel, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Nickel, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Nickel, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Nickel, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-37	10/27/2023		13.9000		*
Nickel, total	ug/L	MW-37	04/02/2024	ND	4.0000		*
Nickel, total	ug/L	MW-37	10/10/2024		18.7000		*
Nickel, total	ug/L	MW-37	04/15/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-37	10/23/2014	ND	4.0000		
Selenium, total	ug/L	MW-37	01/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Selenium, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Selenium, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Selenium, total	ug/L	MW-37	04/21/2017	ND	4.0000		
Selenium, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-37	04/24/2018		8.9000		*
Selenium, total	ug/L	MW-37	10/25/2018	ND	4.0000		
Selenium, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Selenium, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Selenium, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Selenium, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Selenium, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Selenium, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Selenium, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-37	10/27/2023	ND	4.0000		
Selenium, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-37	10/10/2024	ND	4.0000		
Selenium, total	ug/L	MW-37	04/15/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-37	10/23/2014	ND	4.0000		
Silver, total	ug/L	MW-37	01/08/2015	ND	4.0000		
Silver, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Silver, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Silver, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Silver, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Silver, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Silver, total	ug/L	MW-37	04/21/2017	ND	4.0000		
Silver, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Silver, total	ug/L	MW-37	04/24/2018	ND	4.0000		
Silver, total	ug/L	MW-37	10/25/2018	ND	4.0000		
Silver, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Silver, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Silver, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Silver, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Silver, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Silver, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Silver, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Silver, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Silver, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Silver, total	ug/L	MW-37	10/27/2023	ND	4.0000		
Silver, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Silver, total	ug/L	MW-37	10/10/2024	ND	4.0000		
Silver, total	ug/L	MW-37	04/15/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-37	10/23/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	01/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	04/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	07/08/2015	ND	4.0000	2.0000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium, total	ug/L	MW-37	11/05/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	04/21/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	10/17/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	04/21/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	10/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	04/24/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	10/25/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	04/15/2019	ND	2.0000		
Thallium, total	ug/L	MW-37	10/07/2019	ND	2.0000		
Thallium, total	ug/L	MW-37	04/22/2020	ND	2.0000		
Thallium, total	ug/L	MW-37	10/02/2020	ND	2.0000		
Thallium, total	ug/L	MW-37	04/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-37	10/29/2021	ND	2.0000		
Thallium, total	ug/L	MW-37	04/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-37	10/17/2022	ND	2.0000		
Thallium, total	ug/L	MW-37	04/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-37	10/27/2023	ND	2.0000		
Thallium, total	ug/L	MW-37	04/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-37	10/10/2024	ND	2.0000		
Thallium, total	ug/L	MW-37	04/15/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-37	10/23/2014	ND	20.0000		
Vanadium, total	ug/L	MW-37	01/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-37	07/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-37	11/05/2015	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/21/2016	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/17/2016	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/21/2017	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/24/2018	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/25/2018	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/15/2019	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/07/2019	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/22/2020	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/02/2020	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/29/2021	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/17/2022	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/27/2023	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/10/2024	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/15/2025	ND	2.0000		*
Zinc, total	ug/L	MW-37	10/23/2014	ND	20.0000		
Zinc, total	ug/L	MW-37	01/08/2015		14.5000		
Zinc, total	ug/L	MW-37	04/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	07/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	11/05/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	04/21/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	10/17/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	04/21/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	10/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	04/24/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	10/25/2018	ND	20.0000		
Zinc, total	ug/L	MW-37	04/15/2019	ND	20.0000		
Zinc, total	ug/L	MW-37	10/07/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	04/22/2020	ND	20.0000		
Zinc, total	ug/L	MW-37	10/02/2020	ND	20.0000		
Zinc, total	ug/L	MW-37	04/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-37	10/29/2021	ND	20.0000		
Zinc, total	ug/L	MW-37	04/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-37	10/17/2022	ND	20.0000		
Zinc, total	ug/L	MW-37	04/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-37	10/27/2023		22.2000		
Zinc, total	ug/L	MW-37	04/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-37	10/10/2024	ND	20.0000		
Zinc, total	ug/L	MW-37	04/15/2025	ND	5.0000	20.0000	**
Antimony, total	ug/L	MW-39	10/23/2014	ND	2.0000		
Antimony, total	ug/L	MW-39	01/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	04/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	07/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	11/05/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	04/21/2016	ND	2.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-39	10/17/2016	ND	2.0000		
Antimony, total	ug/L	MW-39	04/21/2017	ND	2.0000		
Antimony, total	ug/L	MW-39	10/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-39	04/24/2018	ND	2.0000		
Antimony, total	ug/L	MW-39	10/25/2018	ND	2.0000		
Antimony, total	ug/L	MW-39	04/15/2019	ND	2.0000		
Antimony, total	ug/L	MW-39	10/07/2019	ND	2.0000		
Antimony, total	ug/L	MW-39	04/22/2020	ND	2.0000		
Antimony, total	ug/L	MW-39	10/02/2020	ND	2.0000		
Antimony, total	ug/L	MW-39	04/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-39	10/29/2021	ND	2.0000		
Antimony, total	ug/L	MW-39	04/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-39	10/17/2022	ND	2.0000		
Antimony, total	ug/L	MW-39	04/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-39	10/27/2023	ND	2.0000		
Antimony, total	ug/L	MW-39	04/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-39	10/10/2024	ND	2.0000		
Antimony, total	ug/L	MW-39	04/15/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Arsenic, total	ug/L	MW-39	01/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	11/05/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/02/2024	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/15/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-39	10/23/2014		287.0000		
Barium, total	ug/L	MW-39	01/08/2015		309.0000		
Barium, total	ug/L	MW-39	04/01/2015		272.0000		
Barium, total	ug/L	MW-39	07/08/2015		249.0000		
Barium, total	ug/L	MW-39	11/05/2015		383.0000		
Barium, total	ug/L	MW-39	04/21/2016		266.0000		
Barium, total	ug/L	MW-39	10/17/2016		257.0000		
Barium, total	ug/L	MW-39	04/21/2017		253.0000		
Barium, total	ug/L	MW-39	10/16/2017		268.0000		
Barium, total	ug/L	MW-39	04/24/2018		273.0000		
Barium, total	ug/L	MW-39	10/25/2018		248.0000		
Barium, total	ug/L	MW-39	04/15/2019		251.0000		
Barium, total	ug/L	MW-39	10/07/2019		264.0000		
Barium, total	ug/L	MW-39	04/22/2020		323.0000		
Barium, total	ug/L	MW-39	10/02/2020		222.0000		
Barium, total	ug/L	MW-39	04/08/2021		230.0000		
Barium, total	ug/L	MW-39	10/29/2021		255.0000		
Barium, total	ug/L	MW-39	04/25/2022		232.0000		
Barium, total	ug/L	MW-39	10/17/2022		239.0000		
Barium, total	ug/L	MW-39	04/10/2023		238.0000		
Barium, total	ug/L	MW-39	10/27/2023		225.0000		
Barium, total	ug/L	MW-39	04/02/2024		254.0000		
Barium, total	ug/L	MW-39	10/10/2024		253.0000		
Barium, total	ug/L	MW-39	04/15/2025		287.0000		
Beryllium, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Beryllium, total	ug/L	MW-39	01/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	11/05/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/21/2017	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/15/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-39	10/23/2014	ND	0.8000		
Cadmium, total	ug/L	MW-39	01/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	07/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	11/05/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/21/2016	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/17/2016	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/21/2017	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/16/2017	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/24/2018	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/25/2018	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/15/2019	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/07/2019	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/22/2020	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/02/2020	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/29/2021	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/17/2022	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/27/2023	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/10/2024	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/15/2025	ND	0.2000		*
Chromium, total	ug/L	MW-39	10/23/2014	ND	8.0000		
Chromium, total	ug/L	MW-39	01/08/2015		29.6000		*
Chromium, total	ug/L	MW-39	04/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-39	07/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-39	11/05/2015	ND	8.0000		
Chromium, total	ug/L	MW-39	04/21/2016	ND	8.0000		
Chromium, total	ug/L	MW-39	10/17/2016	ND	8.0000		
Chromium, total	ug/L	MW-39	04/21/2017	ND	8.0000		
Chromium, total	ug/L	MW-39	10/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-39	04/24/2018	ND	8.0000		
Chromium, total	ug/L	MW-39	10/25/2018	ND	8.0000		
Chromium, total	ug/L	MW-39	04/15/2019	ND	8.0000		
Chromium, total	ug/L	MW-39	10/07/2019	ND	8.0000		
Chromium, total	ug/L	MW-39	04/22/2020	ND	8.0000		
Chromium, total	ug/L	MW-39	10/02/2020	ND	8.0000		
Chromium, total	ug/L	MW-39	04/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-39	10/29/2021	ND	8.0000		
Chromium, total	ug/L	MW-39	04/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-39	10/17/2022	ND	8.0000		
Chromium, total	ug/L	MW-39	04/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-39	10/27/2023	ND	8.0000		
Chromium, total	ug/L	MW-39	04/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-39	10/10/2024	ND	8.0000		
Chromium, total	ug/L	MW-39	04/15/2025		1.2000		*
Cobalt, total	ug/L	MW-39	10/23/2014	ND	0.8000		
Cobalt, total	ug/L	MW-39	01/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-39	04/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-39	07/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-39	11/05/2015		3.3000		*
Cobalt, total	ug/L	MW-39	04/21/2016	ND	0.8000		
Cobalt, total	ug/L	MW-39	10/17/2016	ND	0.8000		
Cobalt, total	ug/L	MW-39	04/21/2017	ND	0.8000		
Cobalt, total	ug/L	MW-39	10/16/2017	ND	0.8000		
Cobalt, total	ug/L	MW-39	04/24/2018	ND	0.8000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, total	ug/L	MW-39	10/25/2018	ND	0.8000		
Cobalt, total	ug/L	MW-39	04/15/2019	ND	0.8000		
Cobalt, total	ug/L	MW-39	10/07/2019	ND	0.8000		
Cobalt, total	ug/L	MW-39	04/22/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	10/02/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	04/08/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	10/29/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	04/25/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	10/17/2022		1.5000		
Cobalt, total	ug/L	MW-39	04/10/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	10/27/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	04/02/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	10/10/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	04/15/2025	ND	0.5000	0.8000	**
Copper, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Copper, total	ug/L	MW-39	01/08/2015	ND	4.0000		
Copper, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Copper, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Copper, total	ug/L	MW-39	11/05/2015	ND	4.0000		
Copper, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Copper, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Copper, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Copper, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Copper, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Copper, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Copper, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Copper, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Copper, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Copper, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Copper, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Copper, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Copper, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Copper, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Copper, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Copper, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Copper, total	ug/L	MW-39	04/02/2024		126.0000		*
Copper, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Copper, total	ug/L	MW-39	04/15/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Lead, total	ug/L	MW-39	01/08/2015	ND	4.0000		
Lead, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Lead, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Lead, total	ug/L	MW-39	11/05/2015	ND	4.0000		
Lead, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Lead, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Lead, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Lead, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Lead, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Lead, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Lead, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Lead, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Lead, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Lead, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Lead, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Lead, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Lead, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Lead, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Lead, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Lead, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Lead, total	ug/L	MW-39	04/02/2024	ND	4.0000		
Lead, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Lead, total	ug/L	MW-39	04/15/2025	ND	1.0000		*
Nickel, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Nickel, total	ug/L	MW-39	01/08/2015		20.5000		*
Nickel, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Nickel, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Nickel, total	ug/L	MW-39	11/05/2015		7.0000		
Nickel, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Nickel, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Nickel, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Nickel, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Nickel, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Nickel, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Nickel, total	ug/L	MW-39	04/15/2019	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Nickel, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Nickel, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Nickel, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Nickel, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Nickel, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Nickel, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Nickel, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Nickel, total	ug/L	MW-39	04/02/2024	ND	4.0000		
Nickel, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Nickel, total	ug/L	MW-39	04/15/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Selenium, total	ug/L	MW-39	01/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	11/05/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Selenium, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Selenium, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Selenium, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Selenium, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Selenium, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Selenium, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Selenium, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Selenium, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Selenium, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Selenium, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Selenium, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Selenium, total	ug/L	MW-39	04/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Selenium, total	ug/L	MW-39	04/15/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Silver, total	ug/L	MW-39	01/08/2015	ND	4.0000		
Silver, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Silver, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Silver, total	ug/L	MW-39	11/05/2015	ND	4.0000		
Silver, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Silver, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Silver, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Silver, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Silver, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Silver, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Silver, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Silver, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Silver, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Silver, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Silver, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Silver, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Silver, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Silver, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Silver, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Silver, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Silver, total	ug/L	MW-39	04/02/2024	ND	4.0000		
Silver, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Silver, total	ug/L	MW-39	04/15/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-39	10/23/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	01/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	04/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	07/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	11/05/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	04/21/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	10/17/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	04/21/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	10/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	04/24/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	10/25/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	04/15/2019	ND	2.0000		
Thallium, total	ug/L	MW-39	10/07/2019	ND	2.0000		
Thallium, total	ug/L	MW-39	04/22/2020	ND	2.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium, total	ug/L	MW-39	10/02/2020	ND	2.0000		
Thallium, total	ug/L	MW-39	04/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-39	10/29/2021	ND	2.0000		
Thallium, total	ug/L	MW-39	04/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-39	10/17/2022	ND	2.0000		
Thallium, total	ug/L	MW-39	04/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-39	10/27/2023	ND	2.0000		
Thallium, total	ug/L	MW-39	04/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-39	10/10/2024	ND	2.0000		
Thallium, total	ug/L	MW-39	04/15/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-39	10/23/2014	ND	20.0000		
Vanadium, total	ug/L	MW-39	01/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	07/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	11/05/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/21/2016	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/17/2016	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/21/2017	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/24/2018	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/25/2018	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/15/2019	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/07/2019	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/22/2020	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/02/2020	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/29/2021	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/17/2022	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/27/2023	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/10/2024	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/15/2025	ND	2.0000		*
Zinc, total	ug/L	MW-39	10/23/2014	ND	20.0000		
Zinc, total	ug/L	MW-39	01/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	04/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	07/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	11/05/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	04/21/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	10/17/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	04/21/2017		25.8000		
Zinc, total	ug/L	MW-39	10/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	04/24/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	10/25/2018	ND	20.0000		
Zinc, total	ug/L	MW-39	04/15/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	10/07/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	04/22/2020	ND	20.0000		
Zinc, total	ug/L	MW-39	10/02/2020	ND	20.0000		
Zinc, total	ug/L	MW-39	04/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-39	10/29/2021	ND	20.0000		
Zinc, total	ug/L	MW-39	04/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-39	10/17/2022	ND	20.0000		
Zinc, total	ug/L	MW-39	04/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-39	10/27/2023	ND	20.0000		
Zinc, total	ug/L	MW-39	04/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-39	10/10/2024	ND	20.0000		
Zinc, total	ug/L	MW-39	04/15/2025	ND	5.0000	20.0000	**
Antimony, total	ug/L	MW-40	10/23/2014	ND	2.0000		
Antimony, total	ug/L	MW-40	01/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-40	03/31/2015	ND	2.0000		
Antimony, total	ug/L	MW-40	07/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-40	11/05/2015	ND	2.0000		
Antimony, total	ug/L	MW-40	04/21/2016	ND	2.0000		
Antimony, total	ug/L	MW-40	10/17/2016	ND	2.0000		
Antimony, total	ug/L	MW-40	04/21/2017	ND	2.0000		
Antimony, total	ug/L	MW-40	10/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-40	04/24/2018	ND	2.0000		
Antimony, total	ug/L	MW-40	10/25/2018	ND	2.0000		
Antimony, total	ug/L	MW-40	04/15/2019	ND	2.0000		
Antimony, total	ug/L	MW-40	10/07/2019	ND	2.0000		
Antimony, total	ug/L	MW-40	04/22/2020	ND	2.0000		
Antimony, total	ug/L	MW-40	10/02/2020	ND	2.0000		
Antimony, total	ug/L	MW-40	04/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-40	10/29/2021	ND	2.0000		
Antimony, total	ug/L	MW-40	04/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-40	10/17/2022	ND	2.0000		
Antimony, total	ug/L	MW-40	04/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-40	10/27/2023	ND	2.0000		
Antimony, total	ug/L	MW-40	04/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-40	10/10/2024	ND	2.0000		
Antimony, total	ug/L	MW-40	04/08/2021	ND	2.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-40	10/29/2021	ND	2.0000		
Antimony, total	ug/L	MW-40	04/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-40	10/17/2022	ND	2.0000		
Antimony, total	ug/L	MW-40	04/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-40	10/27/2023	ND	2.0000		
Antimony, total	ug/L	MW-40	04/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-40	10/10/2024	ND	2.0000		
Antimony, total	ug/L	MW-40	04/15/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-40	10/23/2014	ND	4.0000		
Arsenic, total	ug/L	MW-40	01/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-40	03/31/2015	ND	4.0000		
Arsenic, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Arsenic, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Arsenic, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Arsenic, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Arsenic, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Arsenic, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Arsenic, total	ug/L	MW-40	04/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/29/2021		4.3000		
Arsenic, total	ug/L	MW-40	04/25/2022	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/17/2022		8.1000		
Arsenic, total	ug/L	MW-40	04/10/2023		5.9000		
Arsenic, total	ug/L	MW-40	10/27/2023		5.3000		
Arsenic, total	ug/L	MW-40	04/02/2024	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/10/2024		4.3000		
Arsenic, total	ug/L	MW-40	04/15/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-40	10/23/2014		65.4000		
Barium, total	ug/L	MW-40	01/08/2015		85.3000		
Barium, total	ug/L	MW-40	03/31/2015		96.6000		
Barium, total	ug/L	MW-40	07/08/2015		71.0000		
Barium, total	ug/L	MW-40	11/05/2015		89.1000		
Barium, total	ug/L	MW-40	04/21/2016		74.0000		
Barium, total	ug/L	MW-40	10/17/2016		83.2000		
Barium, total	ug/L	MW-40	04/21/2017		82.9000		
Barium, total	ug/L	MW-40	10/16/2017		45.4000		
Barium, total	ug/L	MW-40	04/24/2018		39.7000		
Barium, total	ug/L	MW-40	10/25/2018		56.3000		
Barium, total	ug/L	MW-40	04/15/2019		35.7000		
Barium, total	ug/L	MW-40	10/07/2019		50.7000		
Barium, total	ug/L	MW-40	04/22/2020		47.5000		
Barium, total	ug/L	MW-40	10/02/2020		47.8000		
Barium, total	ug/L	MW-40	04/08/2021		83.4000		
Barium, total	ug/L	MW-40	10/29/2021		72.2000		
Barium, total	ug/L	MW-40	04/25/2022		27.9000		
Barium, total	ug/L	MW-40	10/17/2022		103.0000		
Barium, total	ug/L	MW-40	04/10/2023		42.8000		
Barium, total	ug/L	MW-40	10/27/2023		46.9000		
Barium, total	ug/L	MW-40	04/02/2024		36.4000		
Barium, total	ug/L	MW-40	10/10/2024		34.2000		
Barium, total	ug/L	MW-40	04/15/2025		46.7000		
Beryllium, total	ug/L	MW-40	10/23/2014	ND	4.0000		
Beryllium, total	ug/L	MW-40	01/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-40	03/31/2015	ND	4.0000		
Beryllium, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/29/2021	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/25/2022	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-40	10/17/2022	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/27/2023	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/10/2024	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/15/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-40	10/23/2014	ND	0.8000		
Cadmium, total	ug/L	MW-40	01/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-40	03/31/2015	ND	0.8000		
Cadmium, total	ug/L	MW-40	07/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-40	11/05/2015	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/21/2016	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/17/2016	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/21/2017	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/16/2017	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/24/2018	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/25/2018	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/15/2019	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/07/2019	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/22/2020	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/02/2020	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/29/2021		0.9000		
Cadmium, total	ug/L	MW-40	04/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/17/2022	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/27/2023	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/10/2024	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/15/2025	ND	0.2000		*
Chromium, total	ug/L	MW-40	10/23/2014	ND	8.0000		
Chromium, total	ug/L	MW-40	01/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-40	03/31/2015	ND	8.0000		
Chromium, total	ug/L	MW-40	07/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-40	11/05/2015	ND	8.0000		
Chromium, total	ug/L	MW-40	04/21/2016	ND	8.0000		
Chromium, total	ug/L	MW-40	10/17/2016	ND	8.0000		
Chromium, total	ug/L	MW-40	04/21/2017	ND	8.0000		
Chromium, total	ug/L	MW-40	10/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-40	04/24/2018	ND	8.0000		
Chromium, total	ug/L	MW-40	10/25/2018	ND	8.0000		
Chromium, total	ug/L	MW-40	04/15/2019	ND	8.0000		
Chromium, total	ug/L	MW-40	10/07/2019	ND	8.0000		
Chromium, total	ug/L	MW-40	04/22/2020	ND	8.0000		
Chromium, total	ug/L	MW-40	10/02/2020	ND	8.0000		
Chromium, total	ug/L	MW-40	04/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-40	10/29/2021	ND	8.0000		
Chromium, total	ug/L	MW-40	04/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-40	10/17/2022	ND	8.0000		
Chromium, total	ug/L	MW-40	04/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-40	10/27/2023	ND	8.0000		
Chromium, total	ug/L	MW-40	04/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-40	10/10/2024	ND	8.0000		
Chromium, total	ug/L	MW-40	04/15/2025		1.2000		*
Cobalt, total	ug/L	MW-40	10/23/2014	ND	0.8000		
Cobalt, total	ug/L	MW-40	01/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-40	03/31/2015	ND	0.8000		
Cobalt, total	ug/L	MW-40	07/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-40	11/05/2015	ND	0.8000		
Cobalt, total	ug/L	MW-40	04/21/2016	ND	0.8000		
Cobalt, total	ug/L	MW-40	10/17/2016	ND	0.8000		
Cobalt, total	ug/L	MW-40	04/21/2017	ND	0.8000		
Cobalt, total	ug/L	MW-40	10/16/2017	ND	0.8000		
Cobalt, total	ug/L	MW-40	04/24/2018	ND	0.8000		
Cobalt, total	ug/L	MW-40	10/25/2018	ND	0.8000		
Cobalt, total	ug/L	MW-40	04/15/2019	ND	0.8000		
Cobalt, total	ug/L	MW-40	10/07/2019	ND	0.8000		
Cobalt, total	ug/L	MW-40	04/22/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-40	10/02/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-40	04/08/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-40	10/29/2021		4.5000		
Cobalt, total	ug/L	MW-40	04/25/2022		5.6000		
Cobalt, total	ug/L	MW-40	10/17/2022		8.3000		
Cobalt, total	ug/L	MW-40	04/10/2023		10.2000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, total	ug/L	MW-40	10/27/2023		4.7000		
Cobalt, total	ug/L	MW-40	04/02/2024		0.5000		
Cobalt, total	ug/L	MW-40	10/10/2024		5.8000		
Cobalt, total	ug/L	MW-40	04/15/2025		3.2000		
Copper, total	ug/L	MW-40	10/23/2014	ND	4.0000		
Copper, total	ug/L	MW-40	01/08/2015	ND	4.0000		
Copper, total	ug/L	MW-40	03/31/2015	ND	4.0000		
Copper, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Copper, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Copper, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Copper, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Copper, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Copper, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Copper, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Copper, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Copper, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Copper, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Copper, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Copper, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Copper, total	ug/L	MW-40	04/08/2021	ND	4.0000		
Copper, total	ug/L	MW-40	10/29/2021		5.1000		
Copper, total	ug/L	MW-40	04/25/2022	ND	4.0000		
Copper, total	ug/L	MW-40	10/17/2022	ND	4.0000		
Copper, total	ug/L	MW-40	04/10/2023	ND	4.0000		
Copper, total	ug/L	MW-40	10/27/2023	ND	4.0000		
Copper, total	ug/L	MW-40	04/02/2024		8.5000		
Copper, total	ug/L	MW-40	10/10/2024	ND	4.0000		
Copper, total	ug/L	MW-40	04/15/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-40	10/23/2014	ND	4.0000		
Lead, total	ug/L	MW-40	01/08/2015	ND	4.0000		
Lead, total	ug/L	MW-40	03/31/2015	ND	4.0000		
Lead, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Lead, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Lead, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Lead, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Lead, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Lead, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Lead, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Lead, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Lead, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Lead, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Lead, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Lead, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Lead, total	ug/L	MW-40	04/08/2021	ND	4.0000		
Lead, total	ug/L	MW-40	10/29/2021	ND	4.0000		
Lead, total	ug/L	MW-40	04/25/2022	ND	4.0000		
Lead, total	ug/L	MW-40	10/17/2022	ND	4.0000		
Lead, total	ug/L	MW-40	04/10/2023	ND	4.0000		
Lead, total	ug/L	MW-40	10/27/2023	ND	4.0000		
Lead, total	ug/L	MW-40	04/02/2024	ND	4.0000		
Lead, total	ug/L	MW-40	10/10/2024	ND	4.0000		
Lead, total	ug/L	MW-40	04/15/2025	ND	1.0000		*
Nickel, total	ug/L	MW-40	10/23/2014	ND	4.0000		
Nickel, total	ug/L	MW-40	01/08/2015	ND	4.0000		
Nickel, total	ug/L	MW-40	03/31/2015	ND	4.0000		
Nickel, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Nickel, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Nickel, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Nickel, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Nickel, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Nickel, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Nickel, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Nickel, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Nickel, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Nickel, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Nickel, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Nickel, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Nickel, total	ug/L	MW-40	04/08/2021		5.0000		
Nickel, total	ug/L	MW-40	10/29/2021		31.9000		
Nickel, total	ug/L	MW-40	04/25/2022		18.3000		
Nickel, total	ug/L	MW-40	10/17/2022		22.1000		
Nickel, total	ug/L	MW-40	04/10/2023		16.7000		
Nickel, total	ug/L	MW-40	10/27/2023		17.0000		
Nickel, total	ug/L	MW-40	04/02/2024		16.8000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Nickel, total	ug/L	MW-40	10/10/2024		15.4000		
Nickel, total	ug/L	MW-40	04/15/2025		16.3000		
Selenium, total	ug/L	MW-40	10/23/2014		4.6000		
Selenium, total	ug/L	MW-40	01/08/2015		4.8000		
Selenium, total	ug/L	MW-40	03/31/2015		4.9000		
Selenium, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Selenium, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Selenium, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Selenium, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Selenium, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Selenium, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Selenium, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Selenium, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Selenium, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Selenium, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Selenium, total	ug/L	MW-40	04/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-40	10/29/2021	ND	4.0000		
Selenium, total	ug/L	MW-40	04/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-40	10/17/2022	ND	4.0000		
Selenium, total	ug/L	MW-40	04/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-40	10/27/2023	ND	4.0000		
Selenium, total	ug/L	MW-40	04/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-40	10/10/2024	ND	4.0000		
Selenium, total	ug/L	MW-40	04/15/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-40	10/23/2014	ND	4.0000		
Silver, total	ug/L	MW-40	01/08/2015	ND	4.0000		
Silver, total	ug/L	MW-40	03/31/2015	ND	4.0000		
Silver, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Silver, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Silver, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Silver, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Silver, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Silver, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Silver, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Silver, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Silver, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Silver, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Silver, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Silver, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Silver, total	ug/L	MW-40	04/08/2021	ND	4.0000		
Silver, total	ug/L	MW-40	10/29/2021	ND	4.0000		
Silver, total	ug/L	MW-40	04/25/2022	ND	4.0000		
Silver, total	ug/L	MW-40	10/17/2022	ND	4.0000		
Silver, total	ug/L	MW-40	04/10/2023	ND	4.0000		
Silver, total	ug/L	MW-40	10/27/2023	ND	4.0000		
Silver, total	ug/L	MW-40	04/02/2024	ND	4.0000		
Silver, total	ug/L	MW-40	10/10/2024	ND	4.0000		
Silver, total	ug/L	MW-40	04/15/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-40	10/23/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	01/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	03/31/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	07/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	11/05/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	04/21/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	10/17/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	04/21/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	10/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	04/24/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	10/25/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	04/15/2019	ND	2.0000		
Thallium, total	ug/L	MW-40	10/07/2019	ND	2.0000		
Thallium, total	ug/L	MW-40	04/22/2020	ND	2.0000		
Thallium, total	ug/L	MW-40	10/02/2020	ND	2.0000		
Thallium, total	ug/L	MW-40	04/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-40	10/29/2021	ND	2.0000		
Thallium, total	ug/L	MW-40	04/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-40	10/17/2022	ND	2.0000		
Thallium, total	ug/L	MW-40	04/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-40	10/27/2023	ND	2.0000		
Thallium, total	ug/L	MW-40	04/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-40	10/10/2024	ND	2.0000		
Thallium, total	ug/L	MW-40	04/15/2025	ND	0.5000		*

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Vanadium, total	ug/L	MW-40	10/23/2014	ND	20.0000		
Vanadium, total	ug/L	MW-40	01/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-40	03/31/2015	ND	20.0000		
Vanadium, total	ug/L	MW-40	07/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-40	11/05/2015	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/21/2016	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/17/2016	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/21/2017	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/24/2018	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/25/2018	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/15/2019	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/07/2019	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/22/2020	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/02/2020	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/29/2021	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/17/2022	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/27/2023	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/10/2024	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/15/2025	ND	2.0000		*
Zinc, total	ug/L	MW-40	10/23/2014	ND	20.0000		
Zinc, total	ug/L	MW-40	01/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	03/31/2015		12.8000		
Zinc, total	ug/L	MW-40	07/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	11/05/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	04/21/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	10/17/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	04/21/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	10/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	04/24/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	10/25/2018	ND	20.0000		
Zinc, total	ug/L	MW-40	04/15/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	10/07/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	04/22/2020	ND	20.0000		
Zinc, total	ug/L	MW-40	10/02/2020	ND	20.0000		
Zinc, total	ug/L	MW-40	04/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-40	10/29/2021	ND	20.0000		
Zinc, total	ug/L	MW-40	04/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-40	10/17/2022	ND	20.0000		
Zinc, total	ug/L	MW-40	04/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-40	10/27/2023	ND	20.0000		
Zinc, total	ug/L	MW-40	04/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-40	10/10/2024	ND	20.0000		
Zinc, total	ug/L	MW-40	04/15/2025		7.0000		
Antimony, total	ug/L	MW-47	10/23/2014	ND	2.0000		
Antimony, total	ug/L	MW-47	03/31/2015	ND	2.0000		
Antimony, total	ug/L	MW-47	07/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-47	11/05/2015	ND	2.0000		
Antimony, total	ug/L	MW-47	04/21/2016	ND	2.0000		
Antimony, total	ug/L	MW-47	10/17/2016	ND	2.0000		
Antimony, total	ug/L	MW-47	04/21/2017	ND	2.0000		
Antimony, total	ug/L	MW-47	10/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-47	04/24/2018	ND	2.0000		
Antimony, total	ug/L	MW-47	10/25/2018	ND	2.0000		
Antimony, total	ug/L	MW-47	04/15/2019	ND	2.0000		
Antimony, total	ug/L	MW-47	10/07/2019	ND	2.0000		
Antimony, total	ug/L	MW-47	04/22/2020	ND	2.0000		
Antimony, total	ug/L	MW-47	10/01/2020	ND	2.0000		
Antimony, total	ug/L	MW-47	04/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-47	10/29/2021	ND	2.0000		
Antimony, total	ug/L	MW-47	04/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-47	10/17/2022	ND	2.0000		
Antimony, total	ug/L	MW-47	04/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-47	10/27/2023	ND	2.0000		
Antimony, total	ug/L	MW-47	04/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-47	10/10/2024	ND	2.0000		
Antimony, total	ug/L	MW-47	04/15/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-47	10/23/2014		40.0000		
Arsenic, total	ug/L	MW-47	03/31/2015		153.0000		*
Arsenic, total	ug/L	MW-47	07/08/2015		165.0000		*

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic, total	ug/L	MW-47	11/05/2015		89.3000		
Arsenic, total	ug/L	MW-47	04/21/2016		1730.0000		*
Arsenic, total	ug/L	MW-47	10/17/2016		18.5000		
Arsenic, total	ug/L	MW-47	04/21/2017		860.0000		*
Arsenic, total	ug/L	MW-47	10/16/2017		720.0000		*
Arsenic, total	ug/L	MW-47	04/24/2018		700.0000		*
Arsenic, total	ug/L	MW-47	10/25/2018		84.0000		
Arsenic, total	ug/L	MW-47	04/15/2019		277.0000		*
Arsenic, total	ug/L	MW-47	10/07/2019		41.0000		
Arsenic, total	ug/L	MW-47	04/22/2020		844.0000		*
Arsenic, total	ug/L	MW-47	10/01/2020		79.7000		
Arsenic, total	ug/L	MW-47	04/08/2021		236.0000		*
Arsenic, total	ug/L	MW-47	10/29/2021		50.4000		
Arsenic, total	ug/L	MW-47	04/25/2022		246.0000		*
Arsenic, total	ug/L	MW-47	10/17/2022		291.0000		*
Arsenic, total	ug/L	MW-47	04/10/2023		271.0000		*
Arsenic, total	ug/L	MW-47	10/27/2023		50.2000		
Arsenic, total	ug/L	MW-47	04/02/2024		182.0000		*
Arsenic, total	ug/L	MW-47	10/10/2024		88.3000		
Arsenic, total	ug/L	MW-47	04/15/2025		311.0000		*
Barium, total	ug/L	MW-47	10/23/2014		392.0000		
Barium, total	ug/L	MW-47	03/31/2015		678.0000		
Barium, total	ug/L	MW-47	07/08/2015		630.0000		
Barium, total	ug/L	MW-47	11/05/2015		525.0000		
Barium, total	ug/L	MW-47	04/21/2016		3520.0000		*
Barium, total	ug/L	MW-47	10/17/2016		443.0000		
Barium, total	ug/L	MW-47	04/21/2017		1690.0000		
Barium, total	ug/L	MW-47	10/16/2017		1550.0000		
Barium, total	ug/L	MW-47	04/24/2018		1750.0000		
Barium, total	ug/L	MW-47	10/25/2018		310.0000		
Barium, total	ug/L	MW-47	04/15/2019		743.0000		
Barium, total	ug/L	MW-47	10/07/2019		497.0000		
Barium, total	ug/L	MW-47	04/22/2020		1880.0000		
Barium, total	ug/L	MW-47	10/01/2020		435.0000		
Barium, total	ug/L	MW-47	04/08/2021		876.0000		
Barium, total	ug/L	MW-47	10/29/2021		407.0000		
Barium, total	ug/L	MW-47	04/25/2022		565.0000		
Barium, total	ug/L	MW-47	10/17/2022		852.0000		
Barium, total	ug/L	MW-47	04/10/2023		713.0000		
Barium, total	ug/L	MW-47	10/27/2023		486.0000		
Barium, total	ug/L	MW-47	04/02/2024		570.0000		
Barium, total	ug/L	MW-47	10/10/2024		426.0000		
Barium, total	ug/L	MW-47	04/15/2025		985.0000		
Beryllium, total	ug/L	MW-47	10/23/2014	ND	4.0000		
Beryllium, total	ug/L	MW-47	03/31/2015	ND	4.0000		
Beryllium, total	ug/L	MW-47	07/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-47	11/05/2015	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/21/2016	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/17/2016	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/21/2017	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/24/2018	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/25/2018	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/15/2019	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/07/2019	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/22/2020	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/01/2020	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/29/2021	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/25/2022	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/17/2022	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/27/2023	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/10/2024	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/15/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-47	10/23/2014	ND	0.8000		
Cadmium, total	ug/L	MW-47	03/31/2015	ND	0.8000		
Cadmium, total	ug/L	MW-47	07/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-47	11/05/2015	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/21/2016	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/17/2016	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/21/2017	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/16/2017	ND	0.8000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, total	ug/L	MW-47	04/24/2018	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/25/2018	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/15/2019	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/07/2019	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/22/2020	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/01/2020	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/29/2021	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/17/2022	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/27/2023	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/10/2024	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/15/2025	ND	0.2000		*
Chromium, total	ug/L	MW-47	10/23/2014	ND	8.0000		
Chromium, total	ug/L	MW-47	03/31/2015	ND	8.0000		
Chromium, total	ug/L	MW-47	07/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-47	11/05/2015	ND	8.0000		
Chromium, total	ug/L	MW-47	04/21/2016	ND	8.0000		
Chromium, total	ug/L	MW-47	10/17/2016	ND	8.0000		
Chromium, total	ug/L	MW-47	04/21/2017	ND	8.0000		
Chromium, total	ug/L	MW-47	10/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-47	04/24/2018	ND	8.0000		
Chromium, total	ug/L	MW-47	10/25/2018	ND	8.0000		
Chromium, total	ug/L	MW-47	04/15/2019	ND	8.0000		
Chromium, total	ug/L	MW-47	10/07/2019	ND	8.0000		
Chromium, total	ug/L	MW-47	04/22/2020	ND	8.0000		
Chromium, total	ug/L	MW-47	10/01/2020	ND	8.0000		
Chromium, total	ug/L	MW-47	04/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-47	10/29/2021	ND	8.0000		
Chromium, total	ug/L	MW-47	04/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-47	10/17/2022	ND	8.0000		
Chromium, total	ug/L	MW-47	04/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-47	10/27/2023	ND	8.0000		
Chromium, total	ug/L	MW-47	04/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-47	10/10/2024	ND	8.0000		
Chromium, total	ug/L	MW-47	04/15/2025		1.3000		*
Cobalt, total	ug/L	MW-47	10/23/2014		0.8000		
Cobalt, total	ug/L	MW-47	03/31/2015		1.0000		
Cobalt, total	ug/L	MW-47	07/08/2015		1.5000		
Cobalt, total	ug/L	MW-47	11/05/2015		1.2000		
Cobalt, total	ug/L	MW-47	04/21/2016		4.2000		
Cobalt, total	ug/L	MW-47	10/17/2016		12.4000		
Cobalt, total	ug/L	MW-47	04/21/2017		1.9000		
Cobalt, total	ug/L	MW-47	10/16/2017		1.5000		
Cobalt, total	ug/L	MW-47	04/24/2018		1.5000		
Cobalt, total	ug/L	MW-47	10/25/2018	ND	0.8000		
Cobalt, total	ug/L	MW-47	04/15/2019		0.9000		
Cobalt, total	ug/L	MW-47	10/07/2019	ND	0.8000		
Cobalt, total	ug/L	MW-47	04/22/2020		1.9000		
Cobalt, total	ug/L	MW-47	10/01/2020		0.9000		
Cobalt, total	ug/L	MW-47	04/08/2021		1.2000		
Cobalt, total	ug/L	MW-47	10/29/2021		0.7000		
Cobalt, total	ug/L	MW-47	04/25/2022		0.7000		
Cobalt, total	ug/L	MW-47	10/17/2022		3.8000		
Cobalt, total	ug/L	MW-47	04/10/2023		1.8000		
Cobalt, total	ug/L	MW-47	10/27/2023		2.3000		
Cobalt, total	ug/L	MW-47	04/02/2024		1.8000		
Cobalt, total	ug/L	MW-47	10/10/2024		0.8000		
Cobalt, total	ug/L	MW-47	04/15/2025		2.4000		
Copper, total	ug/L	MW-47	10/23/2014	ND	4.0000		
Copper, total	ug/L	MW-47	03/31/2015	ND	4.0000		
Copper, total	ug/L	MW-47	07/08/2015	ND	4.0000		
Copper, total	ug/L	MW-47	11/05/2015	ND	4.0000		
Copper, total	ug/L	MW-47	04/21/2016		4.6000		
Copper, total	ug/L	MW-47	10/17/2016	ND	4.0000		
Copper, total	ug/L	MW-47	04/21/2017	ND	4.0000		
Copper, total	ug/L	MW-47	10/16/2017		4.9000		
Copper, total	ug/L	MW-47	04/24/2018	ND	4.0000		
Copper, total	ug/L	MW-47	10/25/2018	ND	4.0000		
Copper, total	ug/L	MW-47	04/15/2019	ND	4.0000		
Copper, total	ug/L	MW-47	10/07/2019	ND	4.0000		
Copper, total	ug/L	MW-47	04/22/2020	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-47	10/01/2020	ND	4.0000		
Copper, total	ug/L	MW-47	04/08/2021	ND	4.0000		
Copper, total	ug/L	MW-47	10/29/2021	ND	4.0000		
Copper, total	ug/L	MW-47	04/25/2022	ND	4.0000		
Copper, total	ug/L	MW-47	10/17/2022	ND	4.0000		
Copper, total	ug/L	MW-47	04/10/2023	ND	4.0000		
Copper, total	ug/L	MW-47	10/27/2023	ND	4.0000		
Copper, total	ug/L	MW-47	04/02/2024		4.4000		
Copper, total	ug/L	MW-47	10/10/2024	ND	4.0000		
Copper, total	ug/L	MW-47	04/15/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-47	10/23/2014	ND	4.0000		
Lead, total	ug/L	MW-47	03/31/2015	ND	4.0000		
Lead, total	ug/L	MW-47	07/08/2015	ND	4.0000		
Lead, total	ug/L	MW-47	11/05/2015	ND	4.0000		
Lead, total	ug/L	MW-47	04/21/2016	ND	4.0000		
Lead, total	ug/L	MW-47	10/17/2016	ND	4.0000		
Lead, total	ug/L	MW-47	04/21/2017	ND	4.0000		
Lead, total	ug/L	MW-47	10/16/2017	ND	4.0000		
Lead, total	ug/L	MW-47	04/24/2018	ND	4.0000		
Lead, total	ug/L	MW-47	10/25/2018	ND	4.0000		
Lead, total	ug/L	MW-47	04/15/2019	ND	4.0000		
Lead, total	ug/L	MW-47	10/07/2019	ND	4.0000		
Lead, total	ug/L	MW-47	04/22/2020	ND	4.0000		
Lead, total	ug/L	MW-47	10/01/2020	ND	4.0000		
Lead, total	ug/L	MW-47	04/08/2021	ND	4.0000		
Lead, total	ug/L	MW-47	10/29/2021	ND	4.0000		
Lead, total	ug/L	MW-47	04/25/2022	ND	4.0000		
Lead, total	ug/L	MW-47	10/17/2022	ND	4.0000		
Lead, total	ug/L	MW-47	04/10/2023	ND	4.0000		
Lead, total	ug/L	MW-47	10/27/2023	ND	4.0000		
Lead, total	ug/L	MW-47	04/02/2024	ND	4.0000		
Lead, total	ug/L	MW-47	10/10/2024	ND	4.0000		
Lead, total	ug/L	MW-47	04/15/2025	ND	1.0000		*
Nickel, total	ug/L	MW-47	10/23/2014	ND	4.0000		
Nickel, total	ug/L	MW-47	03/31/2015	ND	4.0000		
Nickel, total	ug/L	MW-47	07/08/2015	ND	4.0000		
Nickel, total	ug/L	MW-47	11/05/2015	ND	4.0000		
Nickel, total	ug/L	MW-47	04/21/2016		9.2000		
Nickel, total	ug/L	MW-47	10/17/2016		31.6000		
Nickel, total	ug/L	MW-47	04/21/2017		4.0000		
Nickel, total	ug/L	MW-47	10/16/2017		5.9000		
Nickel, total	ug/L	MW-47	04/24/2018		15.8000		
Nickel, total	ug/L	MW-47	10/25/2018	ND	4.0000		
Nickel, total	ug/L	MW-47	04/15/2019	ND	4.0000		
Nickel, total	ug/L	MW-47	10/07/2019	ND	4.0000		
Nickel, total	ug/L	MW-47	04/22/2020		4.7000		
Nickel, total	ug/L	MW-47	10/01/2020	ND	4.0000		
Nickel, total	ug/L	MW-47	04/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-47	10/29/2021	ND	4.0000		
Nickel, total	ug/L	MW-47	04/25/2022	ND	4.0000		
Nickel, total	ug/L	MW-47	10/17/2022	ND	4.0000		
Nickel, total	ug/L	MW-47	04/10/2023		4.0000		
Nickel, total	ug/L	MW-47	10/27/2023		11.7000		
Nickel, total	ug/L	MW-47	04/02/2024		8.0000		
Nickel, total	ug/L	MW-47	10/10/2024	ND	4.0000		
Nickel, total	ug/L	MW-47	04/15/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-47	10/23/2014	ND	4.0000		
Selenium, total	ug/L	MW-47	03/31/2015	ND	4.0000		
Selenium, total	ug/L	MW-47	07/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-47	11/05/2015	ND	4.0000		
Selenium, total	ug/L	MW-47	04/21/2016	ND	4.0000		
Selenium, total	ug/L	MW-47	10/17/2016	ND	4.0000		
Selenium, total	ug/L	MW-47	04/21/2017	ND	4.0000		
Selenium, total	ug/L	MW-47	10/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-47	04/24/2018	ND	4.0000		
Selenium, total	ug/L	MW-47	10/25/2018	ND	4.0000		
Selenium, total	ug/L	MW-47	04/15/2019	ND	4.0000		
Selenium, total	ug/L	MW-47	10/07/2019	ND	4.0000		
Selenium, total	ug/L	MW-47	04/22/2020	ND	4.0000		
Selenium, total	ug/L	MW-47	10/01/2020	ND	4.0000		
Selenium, total	ug/L	MW-47	04/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-47	10/29/2021	ND	4.0000		
Selenium, total	ug/L	MW-47	04/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-47	10/17/2022	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, total	ug/L	MW-47	04/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-47	10/27/2023	ND	4.0000		
Selenium, total	ug/L	MW-47	04/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-47	10/10/2024	ND	4.0000		
Selenium, total	ug/L	MW-47	04/15/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-47	10/23/2014	ND	4.0000		
Silver, total	ug/L	MW-47	03/31/2015	ND	4.0000		
Silver, total	ug/L	MW-47	07/08/2015	ND	4.0000		
Silver, total	ug/L	MW-47	11/05/2015	ND	4.0000		
Silver, total	ug/L	MW-47	04/21/2016	ND	4.0000		
Silver, total	ug/L	MW-47	10/17/2016	ND	4.0000		
Silver, total	ug/L	MW-47	04/21/2017	ND	4.0000		
Silver, total	ug/L	MW-47	10/16/2017	ND	4.0000		
Silver, total	ug/L	MW-47	04/24/2018	ND	4.0000		
Silver, total	ug/L	MW-47	10/25/2018	ND	4.0000		
Silver, total	ug/L	MW-47	04/15/2019	ND	4.0000		
Silver, total	ug/L	MW-47	10/07/2019	ND	4.0000		
Silver, total	ug/L	MW-47	04/22/2020	ND	4.0000		
Silver, total	ug/L	MW-47	10/01/2020	ND	4.0000		
Silver, total	ug/L	MW-47	04/08/2021	ND	4.0000		
Silver, total	ug/L	MW-47	10/29/2021	ND	4.0000		
Silver, total	ug/L	MW-47	04/25/2022	ND	4.0000		
Silver, total	ug/L	MW-47	10/17/2022	ND	4.0000		
Silver, total	ug/L	MW-47	04/10/2023	ND	4.0000		
Silver, total	ug/L	MW-47	10/27/2023	ND	4.0000		
Silver, total	ug/L	MW-47	04/02/2024	ND	4.0000		
Silver, total	ug/L	MW-47	10/10/2024	ND	4.0000		
Silver, total	ug/L	MW-47	04/15/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-47	10/23/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	03/31/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	07/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	11/05/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	04/21/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	10/17/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	04/21/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	10/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	04/24/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	10/25/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	04/15/2019	ND	2.0000		
Thallium, total	ug/L	MW-47	10/07/2019	ND	2.0000		
Thallium, total	ug/L	MW-47	04/22/2020	ND	2.0000		
Thallium, total	ug/L	MW-47	10/01/2020	ND	2.0000		
Thallium, total	ug/L	MW-47	04/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-47	10/29/2021	ND	2.0000		
Thallium, total	ug/L	MW-47	04/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-47	10/17/2022	ND	2.0000		
Thallium, total	ug/L	MW-47	04/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-47	10/27/2023	ND	2.0000		
Thallium, total	ug/L	MW-47	04/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-47	10/10/2024	ND	2.0000		
Thallium, total	ug/L	MW-47	04/15/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-47	10/23/2014	ND	20.0000		
Vanadium, total	ug/L	MW-47	03/31/2015	ND	20.0000		
Vanadium, total	ug/L	MW-47	07/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-47	11/05/2015	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/21/2016	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/17/2016	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/21/2017	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/24/2018	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/25/2018	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/15/2019	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/07/2019	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/22/2020	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/01/2020	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/29/2021	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/17/2022	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/27/2023	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/10/2024	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/15/2025	ND	2.0000		*

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	MW-47	10/23/2014	ND	20.0000		
Zinc, total	ug/L	MW-47	03/31/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	07/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	11/05/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	04/21/2016		12.0000		
Zinc, total	ug/L	MW-47	10/17/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	04/21/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	10/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	04/24/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	10/25/2018	ND	20.0000		
Zinc, total	ug/L	MW-47	04/15/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	10/07/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	04/22/2020	ND	20.0000		
Zinc, total	ug/L	MW-47	10/01/2020	ND	20.0000		
Zinc, total	ug/L	MW-47	04/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-47	10/29/2021	ND	20.0000		
Zinc, total	ug/L	MW-47	04/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-47	10/17/2022	ND	20.0000		
Zinc, total	ug/L	MW-47	04/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-47	10/27/2023		25.9000		
Zinc, total	ug/L	MW-47	04/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-47	10/10/2024	ND	20.0000		
Zinc, total	ug/L	MW-47	04/15/2025	ND	5.0000	20.0000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, total	ug/L	GU-3	04/15/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	GU-3	04/15/2025		8.1000		89.3000
Barium, total	ug/L	GU-3	04/15/2025		208.0000		1880.0000
Beryllium, total	ug/L	GU-3	04/15/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	GU-3	04/15/2025	ND	0.2000		0.9000
Chromium, total	ug/L	GU-3	04/15/2025		1.0000		20.3000
Cobalt, total	ug/L	GU-3	04/15/2025		1.1000		12.4000
Copper, total	ug/L	GU-3	04/15/2025	ND	5.0000		11.3000
Lead, total	ug/L	GU-3	04/15/2025	ND	1.0000		4.4000
Nickel, total	ug/L	GU-3	04/15/2025	ND	5.0000		31.6000
Selenium, total	ug/L	GU-3	04/15/2025	ND	2.0000		4.9000
Silver, total	ug/L	GU-3	04/15/2025	ND	5.0000		4.0000
Thallium, total	ug/L	GU-3	04/15/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	GU-3	04/15/2025	ND	2.0000		22.4000
Zinc, total	ug/L	GU-3	04/15/2025	ND	5.0000		38.0000
Antimony, total	ug/L	MW-13R	04/15/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-13R	04/15/2025		183.0000	***	89.3000
Barium, total	ug/L	MW-13R	04/15/2025		853.0000		1880.0000
Beryllium, total	ug/L	MW-13R	04/15/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-13R	04/15/2025	ND	0.2000		0.9000
Chromium, total	ug/L	MW-13R	04/15/2025		1.1000		20.3000
Cobalt, total	ug/L	MW-13R	04/15/2025		3.3000		12.4000
Copper, total	ug/L	MW-13R	04/15/2025	ND	5.0000		11.3000
Lead, total	ug/L	MW-13R	04/15/2025	ND	1.0000		4.4000
Nickel, total	ug/L	MW-13R	04/15/2025		5.0000		31.6000
Selenium, total	ug/L	MW-13R	04/15/2025	ND	2.0000		4.9000
Silver, total	ug/L	MW-13R	04/15/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-13R	04/15/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-13R	04/15/2025	ND	2.0000		22.4000
Zinc, total	ug/L	MW-13R	04/15/2025	ND	5.0000		38.0000
Antimony, total	ug/L	MW-14	04/15/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-14	04/15/2025		58.6000	**	89.3000
Barium, total	ug/L	MW-14	04/15/2025		742.0000		1880.0000
Beryllium, total	ug/L	MW-14	04/15/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-14	04/15/2025	ND	0.2000		0.9000
Chromium, total	ug/L	MW-14	04/15/2025		1.8000		20.3000
Cobalt, total	ug/L	MW-14	04/15/2025		14.3000	*	12.4000
Copper, total	ug/L	MW-14	04/15/2025	ND	5.0000		11.3000
Lead, total	ug/L	MW-14	04/15/2025	ND	1.0000		4.4000
Nickel, total	ug/L	MW-14	04/15/2025		17.9000		31.6000
Selenium, total	ug/L	MW-14	04/15/2025	ND	2.0000		4.9000
Silver, total	ug/L	MW-14	04/15/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-14	04/15/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-14	04/15/2025		2.7000		22.4000
Zinc, total	ug/L	MW-14	04/15/2025	ND	5.0000		38.0000
Antimony, total	ug/L	MW-211	04/15/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-211	04/15/2025		67.4000		89.3000
Barium, total	ug/L	MW-211	04/15/2025		506.0000		1880.0000
Beryllium, total	ug/L	MW-211	04/15/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-211	04/15/2025	ND	0.2000		0.9000
Chromium, total	ug/L	MW-211	04/15/2025		1.2000		20.3000
Cobalt, total	ug/L	MW-211	04/15/2025		15.1000	***	12.4000
Copper, total	ug/L	MW-211	04/15/2025	ND	5.0000		11.3000
Lead, total	ug/L	MW-211	04/15/2025	ND	1.0000		4.4000
Nickel, total	ug/L	MW-211	04/15/2025		33.0000	***	31.6000
Selenium, total	ug/L	MW-211	04/15/2025	ND	2.0000		4.9000
Silver, total	ug/L	MW-211	04/15/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-211	04/15/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-211	04/15/2025	ND	2.0000		22.4000
Zinc, total	ug/L	MW-211	04/15/2025	ND	5.0000		38.0000
Antimony, total	ug/L	MW-29	04/15/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-29	04/15/2025	ND	2.0000		89.3000
Barium, total	ug/L	MW-29	04/15/2025		86.1000		1880.0000
Beryllium, total	ug/L	MW-29	04/15/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-29	04/15/2025	ND	0.2000		0.9000
Chromium, total	ug/L	MW-29	04/15/2025		1.2000		20.3000
Cobalt, total	ug/L	MW-29	04/15/2025	ND	0.5000		12.4000
Copper, total	ug/L	MW-29	04/15/2025	ND	5.0000		11.3000
Lead, total	ug/L	MW-29	04/15/2025	ND	1.0000		4.4000
Nickel, total	ug/L	MW-29	04/15/2025	ND	5.0000		31.6000
Selenium, total	ug/L	MW-29	04/15/2025	ND	2.0000		4.9000
Silver, total	ug/L	MW-29	04/15/2025	ND	5.0000		4.0000

* - Current value failed - awaiting verification.

** - Current value passed - previous exceedance not verified.

*** - Current value failed - exceedance verified.

**** - Current value passed - awaiting one more verification.

***** - Insufficient background data to compute prediction limit.

ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Thallium, total	ug/L	MW-29	04/15/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-29	04/15/2025	ND	2.0000		22.4000
Zinc, total	ug/L	MW-29	04/15/2025	ND	5.0000		38.0000
Antimony, total	ug/L	MW-31R	04/15/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-31R	04/15/2025		43.6000		89.3000
Barium, total	ug/L	MW-31R	04/15/2025		1610.0000		1880.0000
Beryllium, total	ug/L	MW-31R	04/15/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-31R	04/15/2025	ND	0.2000		0.9000
Chromium, total	ug/L	MW-31R	04/15/2025		1.1000		20.3000
Cobalt, total	ug/L	MW-31R	04/15/2025		16.8000	***	12.4000
Copper, total	ug/L	MW-31R	04/15/2025	ND	5.0000		11.3000
Lead, total	ug/L	MW-31R	04/15/2025	ND	1.0000		4.4000
Nickel, total	ug/L	MW-31R	04/15/2025		28.9000		31.6000
Selenium, total	ug/L	MW-31R	04/15/2025	ND	2.0000		4.9000
Silver, total	ug/L	MW-31R	04/15/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-31R	04/15/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-31R	04/15/2025	ND	2.0000		22.4000
Zinc, total	ug/L	MW-31R	04/15/2025		6.7000		38.0000
Antimony, total	ug/L	MW-33	04/15/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-33	04/15/2025	ND	2.0000		89.3000
Barium, total	ug/L	MW-33	04/15/2025		167.0000		1880.0000
Beryllium, total	ug/L	MW-33	04/15/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-33	04/15/2025	ND	0.2000		0.9000
Chromium, total	ug/L	MW-33	04/15/2025		1.1000		20.3000
Cobalt, total	ug/L	MW-33	04/15/2025	ND	0.5000		12.4000
Copper, total	ug/L	MW-33	04/15/2025	ND	5.0000		11.3000
Lead, total	ug/L	MW-33	04/15/2025	ND	1.0000		4.4000
Nickel, total	ug/L	MW-33	04/15/2025	ND	5.0000		31.6000
Selenium, total	ug/L	MW-33	04/15/2025	ND	2.0000		4.9000
Silver, total	ug/L	MW-33	04/15/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-33	04/15/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-33	04/15/2025	ND	2.0000		22.4000
Zinc, total	ug/L	MW-33	04/15/2025	ND	5.0000		38.0000
Antimony, total	ug/L	MW-35R	04/15/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-35R	04/15/2025		6.5000		89.3000
Barium, total	ug/L	MW-35R	04/15/2025		1520.0000		1880.0000
Beryllium, total	ug/L	MW-35R	04/15/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-35R	04/15/2025		0.2000		0.9000
Chromium, total	ug/L	MW-35R	04/15/2025		1.7000		20.3000
Cobalt, total	ug/L	MW-35R	04/15/2025		5.6000		12.4000
Copper, total	ug/L	MW-35R	04/15/2025	ND	5.0000		11.3000
Lead, total	ug/L	MW-35R	04/15/2025		1.4000		4.4000
Nickel, total	ug/L	MW-35R	04/15/2025		23.6000		31.6000
Selenium, total	ug/L	MW-35R	04/15/2025		3.6000		4.9000
Silver, total	ug/L	MW-35R	04/15/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-35R	04/15/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-35R	04/15/2025	ND	2.0000		22.4000
Zinc, total	ug/L	MW-35R	04/15/2025	ND	5.0000		38.0000
Antimony, total	ug/L	MW-7	04/15/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-7	04/15/2025		608.0000	***	89.3000
Barium, total	ug/L	MW-7	04/15/2025		643.0000		1880.0000
Beryllium, total	ug/L	MW-7	04/15/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-7	04/15/2025	ND	0.2000		0.9000
Chromium, total	ug/L	MW-7	04/15/2025		1.1000		20.3000
Cobalt, total	ug/L	MW-7	04/15/2025		9.5000		12.4000
Copper, total	ug/L	MW-7	04/15/2025	ND	5.0000		11.3000
Lead, total	ug/L	MW-7	04/15/2025	ND	1.0000		4.4000
Nickel, total	ug/L	MW-7	04/15/2025		18.8000		31.6000
Selenium, total	ug/L	MW-7	04/15/2025	ND	2.0000		4.9000
Silver, total	ug/L	MW-7	04/15/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-7	04/15/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-7	04/15/2025		3.1000		22.4000
Zinc, total	ug/L	MW-7	04/15/2025	ND	5.0000		38.0000
Antimony, total	ug/L	MW-9	04/15/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-9	04/15/2025		4.1000		89.3000
Barium, total	ug/L	MW-9	04/15/2025		195.0000		1880.0000
Beryllium, total	ug/L	MW-9	04/15/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-9	04/15/2025	ND	0.2000		0.9000
Chromium, total	ug/L	MW-9	04/15/2025		1.1000		20.3000
Cobalt, total	ug/L	MW-9	04/15/2025	ND	0.5000		12.4000
Copper, total	ug/L	MW-9	04/15/2025	ND	5.0000		11.3000
Lead, total	ug/L	MW-9	04/15/2025	ND	1.0000		4.4000

* - Current value failed - awaiting verification.

** - Current value passed - previous exceedance not verified.

*** - Current value failed - exceedance verified.

**** - Current value passed - awaiting one more verification.

***** - Insufficient background data to compute prediction limit.

ND = Not Detected, Result = detection limit.

Table 2**Most Current Downgradient Monitoring Data**

Constituent	Units	Well	Date		Result		Pred. Limit
Nickel, total	ug/L	MW-9	04/15/2025		6.7000		31.6000
Selenium, total	ug/L	MW-9	04/15/2025	ND	2.0000		4.9000
Silver, total	ug/L	MW-9	04/15/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-9	04/15/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-9	04/15/2025	ND	2.0000		22.4000
Zinc, total	ug/L	MW-9	04/15/2025	ND	5.0000		38.0000

* - Current value failed - awaiting verification.

** - Current value passed - previous exceedance not verified.

*** - Current value failed - exceedance verified.

**** - Current value passed - awaiting one more verification.

***** - Insufficient background data to compute prediction limit.

ND = Not Detected, Result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Antimony, total	0	115	0.000	0	263	0.000
Arsenic, total	16	101	0.158	162	264	0.614
Barium, total	114	114	1.000	264	264	1.000
Beryllium, total	0	110	0.000	0	264	0.000
Cadmium, total	1	110	0.009	6	264	0.023
Chromium, total	3	109	0.028	17	263	0.065
Cobalt, total	49	111	0.441	188	266	0.707
Copper, total	10	112	0.089	38	265	0.143
Lead, total	3	109	0.028	11	264	0.042
Nickel, total	24	111	0.216	194	265	0.732
Selenium, total	3	114	0.026	4	264	0.015
Silver, total	0	115	0.000	0	263	0.000
Thallium, total	0	110	0.000	0	263	0.000
Vanadium, total	1	110	0.009	10	264	0.038
Zinc, total	13	115	0.113	50	266	0.188

N = Total number of measurements in all wells.

Detect = Total number of detections in all wells.

Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub	Crit Value	Dist Form	Model Type
Antimony, total	0	115	0.000									nonpar
Arsenic, total	16	101	0.158	1.096	1.061					2.326	normal	nonpar
Barium, total	114	114	1.000	4.791	2.634					2.326	non-norm	nonpar
Beryllium, total	0	110	0.000									nonpar
Cadmium, total	1	110	0.009									nonpar
Chromium, total	3	109	0.028									nonpar
Cobalt, total	49	111	0.441	4.254	1.707					2.326	lognor	nonpar
Copper, total	10	112	0.089	0.449	0.934					2.326	normal	nonpar
Lead, total	3	109	0.028	2.393	2.163					2.326	lognor	nonpar
Nickel, total	24	111	0.216	2.236	1.575					2.326	normal	nonpar
Selenium, total	3	114	0.026	0.346	0.307					2.326	normal	nonpar
Silver, total	0	115	0.000									nonpar
Thallium, total	0	110	0.000									nonpar
Vanadium, total	1	110	0.009									nonpar
Zinc, total	13	115	0.113	0.803	0.915					2.326	normal	nonpar

* - Distribution override for that constituent.

Fit to distribution is confirmed if $G \leq$ critical value.

Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Antimony, total	ug/L	0	115					2.0000	nonpar	***	0.99
Arsenic, total	ug/L	16	101					89.3000	nonpar		0.99
Barium, total	ug/L	114	114					1880.0000	nonpar		0.99
Beryllium, total	ug/L	0	110					4.0000	nonpar	***	0.99
Cadmium, total	ug/L	1	110					0.9000	nonpar		0.99
Chromium, total	ug/L	3	109					20.3000	nonpar		0.99
Cobalt, total	ug/L	49	111					12.4000	nonpar		0.99
Copper, total	ug/L	10	112					11.3000	nonpar		0.99
Lead, total	ug/L	3	109					4.4000	nonpar		0.99
Nickel, total	ug/L	24	111					31.6000	nonpar		0.99
Selenium, total	ug/L	3	114					4.9000	nonpar		0.99
Silver, total	ug/L	0	115					4.0000	nonpar	***	0.99
Thallium, total	ug/L	0	110					2.0000	nonpar	***	0.99
Vanadium, total	ug/L	1	110					22.4000	nonpar		0.99
Zinc, total	ug/L	13	115					38.0000	nonpar		0.99

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).

* - Insufficient Data.

** - Calculated limit raised to Manual Reporting Limit.

*** - Nonparametric limit based on ND value.

For transformed data, mean and SD in transformed units and prediction limit in original units.

All sample sizes and statistics are based on outlier free data.

For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

**Dixon's Test Outliers
1% Significance Level**

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Beryllium, total	ug/L	MW-36	04/15/2025	0.5000	< 0.5000	07/08/2015-04/15/2025	20	0.5381
Cadmium, total	ug/L	MW-36	04/15/2025	0.2000		07/08/2015-04/15/2025	20	0.5381
Chromium, total	ug/L	MW-36	04/15/2025	1.4000		07/08/2015-04/15/2025	20	0.5381
Copper, total	ug/L	MW-36	10/10/2024	19.2000		07/08/2015-04/15/2025	20	0.5381
Lead, total	ug/L	MW-36	04/15/2025	1.0000	< 1.0000	07/08/2015-04/15/2025	20	0.5381
Thallium, total	ug/L	MW-36	04/15/2025	0.5000	< 0.5000	07/08/2015-04/15/2025	20	0.5381
Vanadium, total	ug/L	MW-36	04/15/2025	2.1000		07/08/2015-04/15/2025	20	0.5381
Beryllium, total	ug/L	MW-37	04/15/2025	0.5000	< 0.5000	10/23/2014-04/15/2025	24	0.4969
Cadmium, total	ug/L	MW-37	04/15/2025	0.2000	< 0.2000	10/23/2014-04/15/2025	24	0.4969
Chromium, total	ug/L	MW-37	04/15/2025	2.1000		10/23/2014-04/15/2025	24	0.4969
Cobalt, total	ug/L	MW-37	10/27/2023	9.6000		10/23/2014-04/15/2025	24	0.5065
Cobalt, total	ug/L	MW-37	10/10/2024	4.4000		10/23/2014-04/15/2025	24	0.5065
Copper, total	ug/L	MW-37	10/25/2018	13.7000		10/23/2014-04/15/2025	24	0.4969
Lead, total	ug/L	MW-37	04/15/2025	1.0000	< 1.0000	10/23/2014-04/15/2025	23	0.5065
Nickel, total	ug/L	MW-37	10/27/2023	13.9000		10/23/2014-04/15/2025	24	0.5065
Nickel, total	ug/L	MW-37	10/10/2024	18.7000		10/23/2014-04/15/2025	24	0.5065
Thallium, total	ug/L	MW-37	04/15/2025	0.5000	< 0.5000	10/23/2014-04/15/2025	24	0.4969
Vanadium, total	ug/L	MW-37	04/15/2025	2.0000	< 2.0000	10/23/2014-04/15/2025	24	0.4969
Beryllium, total	ug/L	MW-39	04/15/2025	0.5000	< 0.5000	10/23/2014-04/15/2025	24	0.4969
Cadmium, total	ug/L	MW-39	04/15/2025	0.2000	< 0.2000	10/23/2014-04/15/2025	24	0.4969
Chromium, total	ug/L	MW-39	01/08/2015	29.6000		10/23/2014-04/15/2025	24	0.4969
Chromium, total	ug/L	MW-39	04/15/2025	1.2000		10/23/2014-04/15/2025	24	0.4969
Cobalt, total	ug/L	MW-39	11/05/2015	3.3000		10/23/2014-04/15/2025	24	0.4969
Copper, total	ug/L	MW-39	04/02/2024	126.0000		10/23/2014-04/15/2025	24	0.4969
Lead, total	ug/L	MW-39	04/15/2025	1.0000	< 1.0000	10/23/2014-04/15/2025	24	0.4969
Nickel, total	ug/L	MW-39	01/08/2015	20.5000		10/23/2014-04/15/2025	24	0.4969
Thallium, total	ug/L	MW-39	04/15/2025	0.5000	< 0.5000	10/23/2014-04/15/2025	24	0.4969
Vanadium, total	ug/L	MW-39	04/15/2025	2.0000	< 2.0000	10/23/2014-04/15/2025	24	0.4969
Beryllium, total	ug/L	MW-40	04/15/2025	0.5000	< 0.5000	10/23/2014-04/15/2025	24	0.4969
Cadmium, total	ug/L	MW-40	04/15/2025	0.2000	< 0.2000	10/23/2014-04/15/2025	24	0.4969
Chromium, total	ug/L	MW-40	04/15/2025	1.2000		10/23/2014-04/15/2025	24	0.4969
Lead, total	ug/L	MW-40	04/15/2025	1.0000	< 1.0000	10/23/2014-04/15/2025	24	0.4969
Thallium, total	ug/L	MW-40	04/15/2025	0.5000	< 0.5000	10/23/2014-04/15/2025	24	0.4969
Vanadium, total	ug/L	MW-40	04/15/2025	2.0000	< 2.0000	10/23/2014-04/15/2025	24	0.4969
Beryllium, total	ug/L	MW-47	04/15/2025	0.5000	< 0.5000	10/23/2014-04/15/2025	23	0.5065
Cadmium, total	ug/L	MW-47	04/15/2025	0.2000	< 0.2000	10/23/2014-04/15/2025	23	0.5065
Chromium, total	ug/L	MW-47	04/15/2025	1.3000		10/23/2014-04/15/2025	23	0.5065
Lead, total	ug/L	MW-47	04/15/2025	1.0000	< 1.0000	10/23/2014-04/15/2025	23	0.5065
Thallium, total	ug/L	MW-47	04/15/2025	0.5000	< 0.5000	10/23/2014-04/15/2025	23	0.5065
Vanadium, total	ug/L	MW-47	04/15/2025	2.0000	< 2.0000	10/23/2014-04/15/2025	23	0.5065

N = Total number of independent measurements in background at each well.

Date Range = Dates of the first and last measurements included in background at each well.

Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Arsenic, total	ug/L	MW-13R	01/13/2011		49.8000	89.3000
Arsenic, total	ug/L	MW-13R	04/08/2011		26.0000	89.3000
Arsenic, total	ug/L	MW-13R	10/18/2011		12.9000	89.3000
Arsenic, total	ug/L	MW-13R	04/18/2012		131.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	10/16/2012		16.7000	89.3000
Arsenic, total	ug/L	MW-13R	04/03/2013		27.2000	89.3000
Arsenic, total	ug/L	MW-13R	10/09/2013		67.9000	89.3000
Arsenic, total	ug/L	MW-13R	04/16/2014		114.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	10/23/2014		86.0000	89.3000
Arsenic, total	ug/L	MW-13R	04/01/2015		104.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	11/05/2015		63.7000	89.3000
Arsenic, total	ug/L	MW-13R	04/21/2016		299.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	10/17/2016		143.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	04/21/2017		156.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	10/16/2017		179.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	04/24/2018		105.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	10/25/2018		75.3000	89.3000
Arsenic, total	ug/L	MW-13R	04/15/2019		145.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	10/07/2019		72.2000	89.3000
Arsenic, total	ug/L	MW-13R	04/22/2020		506.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	10/02/2020		140.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	04/08/2021		118.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	10/29/2021		161.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	04/25/2022		252.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	10/17/2022		124.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	04/10/2023		193.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	10/27/2023		82.7000	89.3000
Arsenic, total	ug/L	MW-13R	04/02/2024		88.7000	89.3000
Arsenic, total	ug/L	MW-13R	10/10/2024		192.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	04/15/2025		183.0000 *	89.3000
Arsenic, total	ug/L	MW-14	10/14/2010	ND	4.0000	89.3000
Arsenic, total	ug/L	MW-14	04/08/2011	ND	4.0000	89.3000
Arsenic, total	ug/L	MW-14	10/18/2011	ND	4.0000	89.3000
Arsenic, total	ug/L	MW-14	04/18/2012	ND	4.0000	89.3000
Arsenic, total	ug/L	MW-14	10/17/2012	ND	4.0000	89.3000
Arsenic, total	ug/L	MW-14	04/03/2013	ND	4.0000	89.3000
Arsenic, total	ug/L	MW-14	10/09/2013	ND	4.0000	89.3000
Arsenic, total	ug/L	MW-14	04/16/2014	ND	4.0000	89.3000
Arsenic, total	ug/L	MW-14	10/23/2014		8.0000	89.3000
Arsenic, total	ug/L	MW-14	04/01/2015	ND	4.0000	89.3000
Arsenic, total	ug/L	MW-14	11/05/2015		14.7000	89.3000
Arsenic, total	ug/L	MW-14	04/21/2016	ND	4.0000	89.3000
Arsenic, total	ug/L	MW-14	10/17/2016	ND	4.0000	89.3000
Arsenic, total	ug/L	MW-14	04/21/2017	ND	4.0000	89.3000
Arsenic, total	ug/L	MW-14	10/16/2017		14.8000	89.3000
Arsenic, total	ug/L	MW-14	04/24/2018	ND	4.0000	89.3000
Arsenic, total	ug/L	MW-14	10/25/2018	ND	4.0000	89.3000
Arsenic, total	ug/L	MW-14	04/15/2019	ND	4.0000	89.3000
Arsenic, total	ug/L	MW-14	10/07/2019	ND	4.0000	89.3000
Arsenic, total	ug/L	MW-14	04/22/2020	ND	4.0000	89.3000
Arsenic, total	ug/L	MW-14	10/02/2020		6.7000	89.3000
Arsenic, total	ug/L	MW-14	04/08/2021		8.0000	89.3000
Arsenic, total	ug/L	MW-14	10/29/2021		44.3000	89.3000
Arsenic, total	ug/L	MW-14	04/25/2022		4.3000	89.3000
Arsenic, total	ug/L	MW-14	10/17/2022		65.4000	89.3000
Arsenic, total	ug/L	MW-14	04/10/2023		66.8000	89.3000
Arsenic, total	ug/L	MW-14	10/27/2023		71.4000	89.3000
Arsenic, total	ug/L	MW-14	04/02/2024		46.1000	89.3000
Arsenic, total	ug/L	MW-14	10/10/2024		91.9000 *	89.3000
Arsenic, total	ug/L	MW-14	04/15/2025		58.6000	89.3000
Cobalt, total	ug/L	MW-14	10/14/2010		13.3000 *	12.4000
Cobalt, total	ug/L	MW-14	04/08/2011		15.4000 *	12.4000
Cobalt, total	ug/L	MW-14	10/18/2011		18.0000 *	12.4000
Cobalt, total	ug/L	MW-14	04/18/2012		21.9000 *	12.4000
Cobalt, total	ug/L	MW-14	10/17/2012		18.9000 *	12.4000
Cobalt, total	ug/L	MW-14	04/03/2013		26.7000 *	12.4000
Cobalt, total	ug/L	MW-14	10/09/2013		33.6000 *	12.4000
Cobalt, total	ug/L	MW-14	04/16/2014		40.8000 *	12.4000
Cobalt, total	ug/L	MW-14	10/23/2014		25.7000 *	12.4000
Cobalt, total	ug/L	MW-14	04/01/2015		51.2000 *	12.4000
Cobalt, total	ug/L	MW-14	11/05/2015		18.7000 *	12.4000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Cobalt, total	ug/L	MW-14	04/21/2016		1.4000	12.4000
Cobalt, total	ug/L	MW-14	10/17/2016		16.3000 *	12.4000
Cobalt, total	ug/L	MW-14	01/09/2017		4.0000	12.4000
Cobalt, total	ug/L	MW-14	04/21/2017		7.7000	12.4000
Cobalt, total	ug/L	MW-14	10/16/2017		16.0000 *	12.4000
Cobalt, total	ug/L	MW-14	01/12/2018		11.2000	12.4000
Cobalt, total	ug/L	MW-14	04/24/2018		16.9000 *	12.4000
Cobalt, total	ug/L	MW-14	10/25/2018		4.2000	12.4000
Cobalt, total	ug/L	MW-14	04/15/2019		27.3000 *	12.4000
Cobalt, total	ug/L	MW-14	10/07/2019		10.0000	12.4000
Cobalt, total	ug/L	MW-14	04/22/2020		6.9000	12.4000
Cobalt, total	ug/L	MW-14	10/02/2020		11.5000	12.4000
Cobalt, total	ug/L	MW-14	04/08/2021		21.2000 *	12.4000
Cobalt, total	ug/L	MW-14	10/29/2021		14.4000 *	12.4000
Cobalt, total	ug/L	MW-14	04/25/2022		13.1000 *	12.4000
Cobalt, total	ug/L	MW-14	10/17/2022		13.1000 *	12.4000
Cobalt, total	ug/L	MW-14	04/10/2023		14.8000 *	12.4000
Cobalt, total	ug/L	MW-14	10/27/2023		16.4000 *	12.4000
Cobalt, total	ug/L	MW-14	04/02/2024		20.8000 *	12.4000
Cobalt, total	ug/L	MW-14	10/10/2024		9.9000	12.4000
Cobalt, total	ug/L	MW-14	04/15/2025		14.3000 *	12.4000
Cobalt, total	ug/L	MW-211	10/14/2010		8.0000	12.4000
Cobalt, total	ug/L	MW-211	04/08/2011		6.1000	12.4000
Cobalt, total	ug/L	MW-211	10/18/2011	ND	4.0000	12.4000
Cobalt, total	ug/L	MW-211	04/18/2012		4.7000	12.4000
Cobalt, total	ug/L	MW-211	10/17/2012		4.6000	12.4000
Cobalt, total	ug/L	MW-211	04/03/2013	ND	4.0000	12.4000
Cobalt, total	ug/L	MW-211	10/09/2013		9.2000	12.4000
Cobalt, total	ug/L	MW-211	04/16/2014		7.3000	12.4000
Cobalt, total	ug/L	MW-211	10/23/2014		18.6000 *	12.4000
Cobalt, total	ug/L	MW-211	04/01/2015		13.1000 *	12.4000
Cobalt, total	ug/L	MW-211	11/05/2015		20.6000 *	12.4000
Cobalt, total	ug/L	MW-211	04/21/2016		10.8000	12.4000
Cobalt, total	ug/L	MW-211	10/17/2016		12.9000 *	12.4000
Cobalt, total	ug/L	MW-211	04/21/2017		10.3000	12.4000
Cobalt, total	ug/L	MW-211	10/16/2017		16.4000 *	12.4000
Cobalt, total	ug/L	MW-211	04/24/2018		13.3000 *	12.4000
Cobalt, total	ug/L	MW-211	10/25/2018		10.3000	12.4000
Cobalt, total	ug/L	MW-211	04/15/2019		17.0000 *	12.4000
Cobalt, total	ug/L	MW-211	10/07/2019		14.9000 *	12.4000
Cobalt, total	ug/L	MW-211	04/22/2020		13.3000 *	12.4000
Cobalt, total	ug/L	MW-211	10/02/2020		10.3000	12.4000
Cobalt, total	ug/L	MW-211	04/08/2021		11.5000	12.4000
Cobalt, total	ug/L	MW-211	10/29/2021		13.6000 *	12.4000
Cobalt, total	ug/L	MW-211	04/25/2022		12.8000 *	12.4000
Cobalt, total	ug/L	MW-211	10/17/2022		13.3000 *	12.4000
Cobalt, total	ug/L	MW-211	04/10/2023		11.3000	12.4000
Cobalt, total	ug/L	MW-211	10/27/2023		10.7000	12.4000
Cobalt, total	ug/L	MW-211	04/02/2024		12.5000 *	12.4000
Cobalt, total	ug/L	MW-211	10/10/2024		12.9000 *	12.4000
Cobalt, total	ug/L	MW-211	04/15/2025		15.1000 *	12.4000
Nickel, total	ug/L	MW-211	10/14/2010		45.4000 *	31.6000
Nickel, total	ug/L	MW-211	04/08/2011		42.8000 *	31.6000
Nickel, total	ug/L	MW-211	10/18/2011		11.2000	31.6000
Nickel, total	ug/L	MW-211	04/18/2012		33.1000 *	31.6000
Nickel, total	ug/L	MW-211	10/17/2012		33.9000 *	31.6000
Nickel, total	ug/L	MW-211	04/03/2013		31.3000	31.6000
Nickel, total	ug/L	MW-211	10/09/2013		30.0000	31.6000
Nickel, total	ug/L	MW-211	04/16/2014		35.9000 *	31.6000
Nickel, total	ug/L	MW-211	10/23/2014		35.1000 *	31.6000
Nickel, total	ug/L	MW-211	04/01/2015		41.3000 *	31.6000
Nickel, total	ug/L	MW-211	11/05/2015		34.7000 *	31.6000
Nickel, total	ug/L	MW-211	04/21/2016		39.7000 *	31.6000
Nickel, total	ug/L	MW-211	10/17/2016		37.5000 *	31.6000
Nickel, total	ug/L	MW-211	04/21/2017		34.9000 *	31.6000
Nickel, total	ug/L	MW-211	10/16/2017		35.3000 *	31.6000
Nickel, total	ug/L	MW-211	04/24/2018		35.8000 *	31.6000
Nickel, total	ug/L	MW-211	10/25/2018		33.8000 *	31.6000
Nickel, total	ug/L	MW-211	04/15/2019		43.6000 *	31.6000
Nickel, total	ug/L	MW-211	10/07/2019		26.9000	31.6000
Nickel, total	ug/L	MW-211	04/22/2020		38.3000 *	31.6000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result		Pred. Limit
Nickel, total	ug/L	MW-211	10/02/2020		30.5000		31.6000
Nickel, total	ug/L	MW-211	04/08/2021		28.7000		31.6000
Nickel, total	ug/L	MW-211	10/29/2021		44.3000	*	31.6000
Nickel, total	ug/L	MW-211	04/25/2022		28.1000		31.6000
Nickel, total	ug/L	MW-211	10/17/2022		28.5000		31.6000
Nickel, total	ug/L	MW-211	04/10/2023		27.2000		31.6000
Nickel, total	ug/L	MW-211	10/27/2023		30.5000		31.6000
Nickel, total	ug/L	MW-211	04/02/2024		30.0000		31.6000
Nickel, total	ug/L	MW-211	10/10/2024		33.0000	*	31.6000
Nickel, total	ug/L	MW-211	04/15/2025		33.0000	*	31.6000
Cobalt, total	ug/L	MW-31R	04/18/2012		13.3000	*	12.4000
Cobalt, total	ug/L	MW-31R	10/17/2012		6.7000		12.4000
Cobalt, total	ug/L	MW-31R	04/03/2013		7.8000		12.4000
Cobalt, total	ug/L	MW-31R	10/09/2013		9.6000		12.4000
Cobalt, total	ug/L	MW-31R	04/16/2014		10.9000		12.4000
Cobalt, total	ug/L	MW-31R	10/23/2014		8.7000		12.4000
Cobalt, total	ug/L	MW-31R	04/01/2015		11.1000		12.4000
Cobalt, total	ug/L	MW-31R	11/05/2015		11.7000		12.4000
Cobalt, total	ug/L	MW-31R	04/21/2016		12.2000		12.4000
Cobalt, total	ug/L	MW-31R	10/17/2016		12.6000	*	12.4000
Cobalt, total	ug/L	MW-31R	04/21/2017		12.5000	*	12.4000
Cobalt, total	ug/L	MW-31R	10/16/2017		11.5000		12.4000
Cobalt, total	ug/L	MW-31R	04/24/2018		15.8000	*	12.4000
Cobalt, total	ug/L	MW-31R	10/25/2018		13.3000	*	12.4000
Cobalt, total	ug/L	MW-31R	04/15/2019		17.7000	*	12.4000
Cobalt, total	ug/L	MW-31R	10/07/2019		15.0000	*	12.4000
Cobalt, total	ug/L	MW-31R	04/22/2020		19.7000	*	12.4000
Cobalt, total	ug/L	MW-31R	10/02/2020		17.5000	*	12.4000
Cobalt, total	ug/L	MW-31R	04/08/2021		25.9000	*	12.4000
Cobalt, total	ug/L	MW-31R	10/29/2021		15.0000	*	12.4000
Cobalt, total	ug/L	MW-31R	04/25/2022		17.0000	*	12.4000
Cobalt, total	ug/L	MW-31R	10/17/2022		16.2000	*	12.4000
Cobalt, total	ug/L	MW-31R	04/10/2023		18.3000	*	12.4000
Cobalt, total	ug/L	MW-31R	10/27/2023		17.6000	*	12.4000
Cobalt, total	ug/L	MW-31R	04/02/2024		20.6000	*	12.4000
Cobalt, total	ug/L	MW-31R	10/10/2024		14.6000	*	12.4000
Cobalt, total	ug/L	MW-31R	04/15/2025		16.8000	*	12.4000
Arsenic, total	ug/L	MW-7	10/14/2010		219.0000	*	89.3000
Arsenic, total	ug/L	MW-7	04/08/2011		251.0000	*	89.3000
Arsenic, total	ug/L	MW-7	10/18/2011		131.0000	*	89.3000
Arsenic, total	ug/L	MW-7	04/18/2012		188.0000	*	89.3000
Arsenic, total	ug/L	MW-7	10/16/2012		139.0000	*	89.3000
Arsenic, total	ug/L	MW-7	04/03/2013		136.0000	*	89.3000
Arsenic, total	ug/L	MW-7	10/09/2013		91.1000	*	89.3000
Arsenic, total	ug/L	MW-7	04/16/2014		107.0000	*	89.3000
Arsenic, total	ug/L	MW-7	10/23/2014		297.0000	*	89.3000
Arsenic, total	ug/L	MW-7	04/01/2015		112.0000	*	89.3000
Arsenic, total	ug/L	MW-7	11/05/2015		215.0000	*	89.3000
Arsenic, total	ug/L	MW-7	04/21/2016		146.0000	*	89.3000
Arsenic, total	ug/L	MW-7	10/17/2016		165.0000	*	89.3000
Arsenic, total	ug/L	MW-7	04/21/2017		197.0000	*	89.3000
Arsenic, total	ug/L	MW-7	10/16/2017		115.0000	*	89.3000
Arsenic, total	ug/L	MW-7	04/24/2018	ND	4.0000		89.3000
Arsenic, total	ug/L	MW-7	10/25/2018		36.6000		89.3000
Arsenic, total	ug/L	MW-7	04/15/2019		457.0000	*	89.3000
Arsenic, total	ug/L	MW-7	10/07/2019		33.5000		89.3000
Arsenic, total	ug/L	MW-7	04/22/2020		88.8000		89.3000
Arsenic, total	ug/L	MW-7	10/01/2020		306.0000	*	89.3000
Arsenic, total	ug/L	MW-7	04/08/2021		181.0000	*	89.3000
Arsenic, total	ug/L	MW-7	10/29/2021		117.0000	*	89.3000
Arsenic, total	ug/L	MW-7	04/25/2022		104.0000	*	89.3000
Arsenic, total	ug/L	MW-7	10/17/2022		255.0000	*	89.3000
Arsenic, total	ug/L	MW-7	04/10/2023		158.0000	*	89.3000
Arsenic, total	ug/L	MW-7	10/27/2023		275.0000	*	89.3000
Arsenic, total	ug/L	MW-7	04/02/2024		167.0000	*	89.3000
Arsenic, total	ug/L	MW-7	10/10/2024		215.0000	*	89.3000
Arsenic, total	ug/L	MW-7	04/15/2025		608.0000	*	89.3000

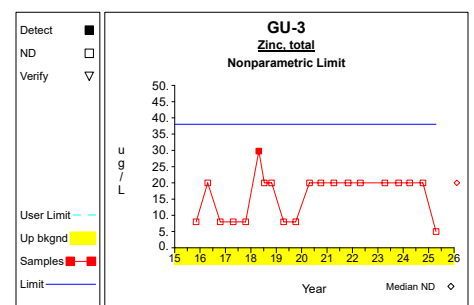
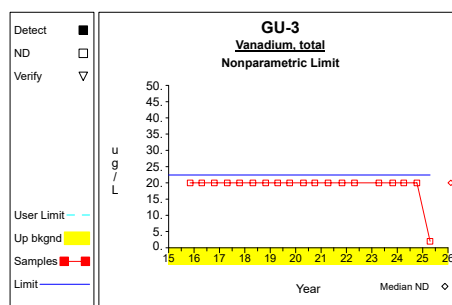
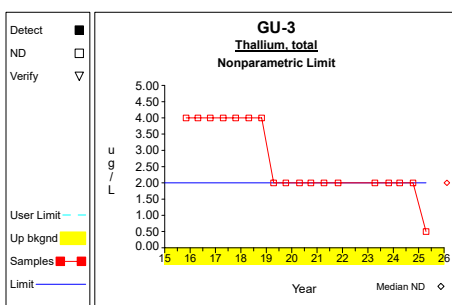
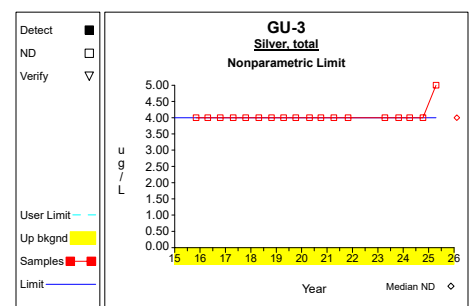
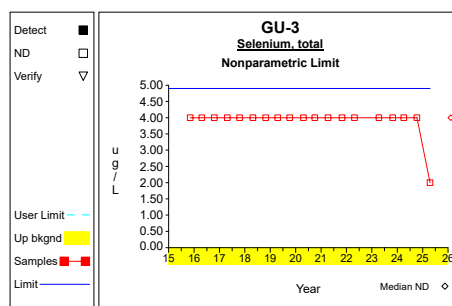
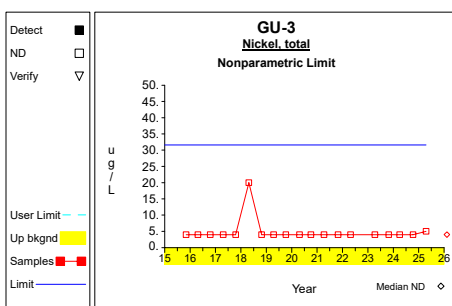
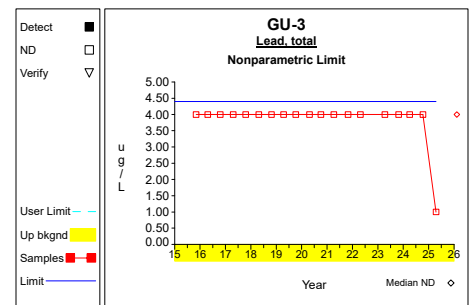
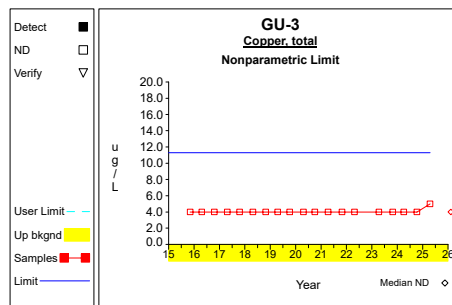
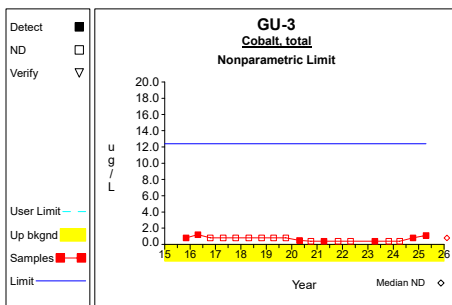
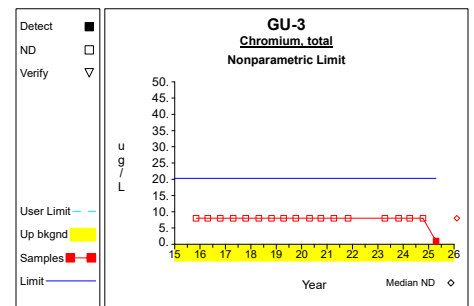
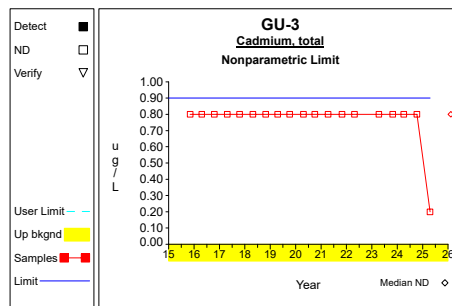
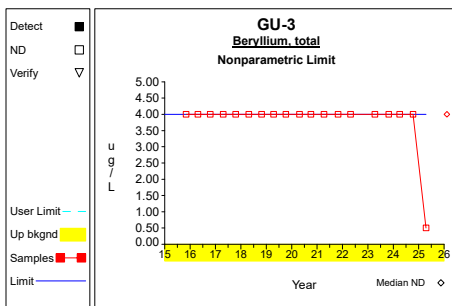
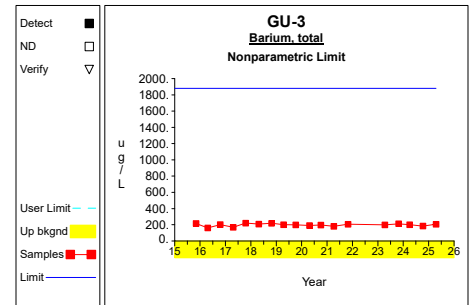
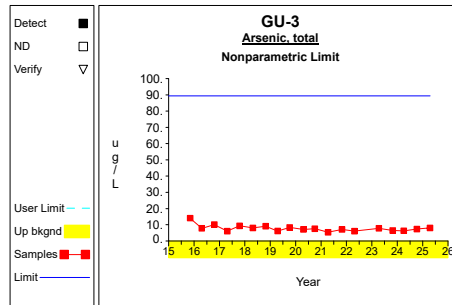
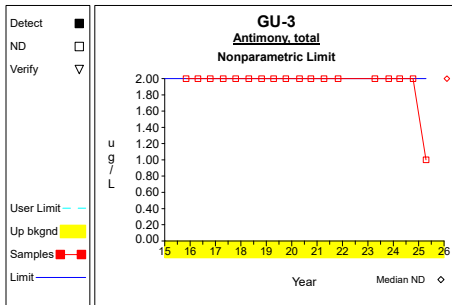
* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

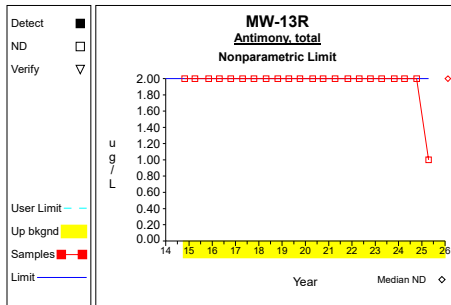
*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

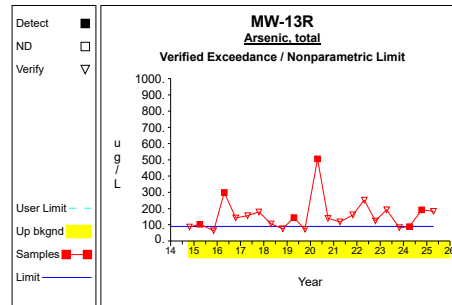
Up vs. Down Prediction Limits



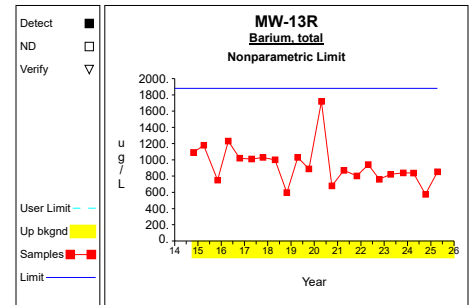
Up vs. Down Prediction Limits



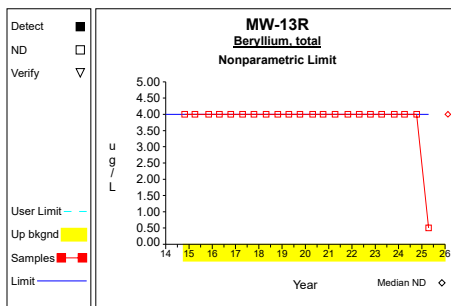
Graph 16



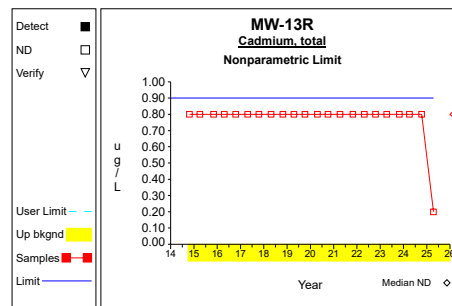
Graph 17



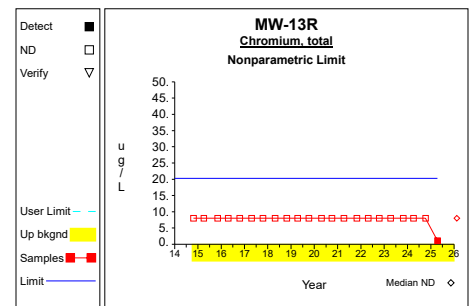
Graph 18



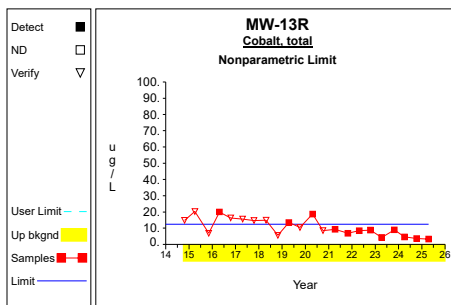
Graph 19



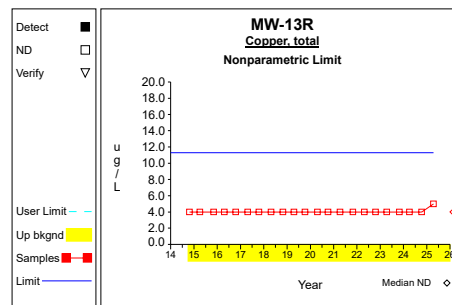
Graph 20



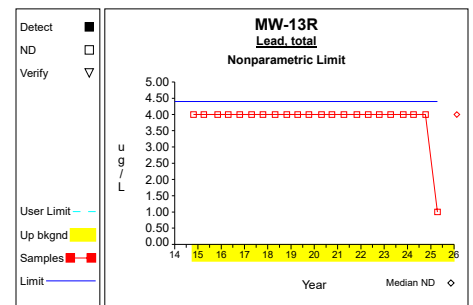
Graph 21



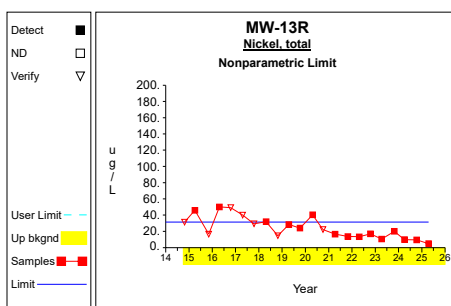
Graph 22



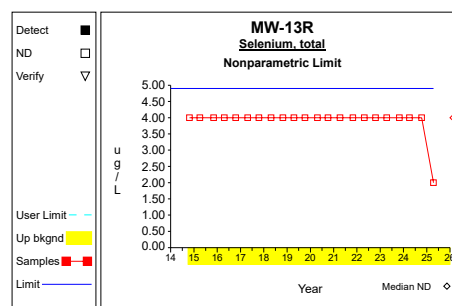
Graph 23



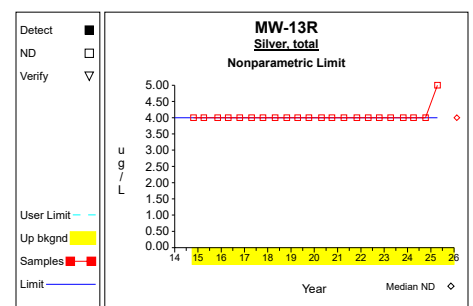
Graph 24



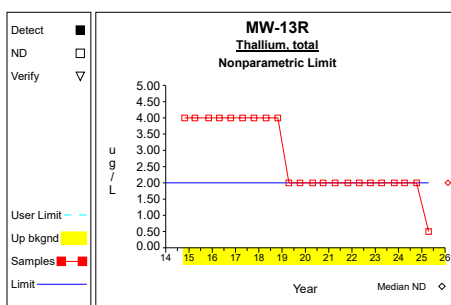
Graph 25



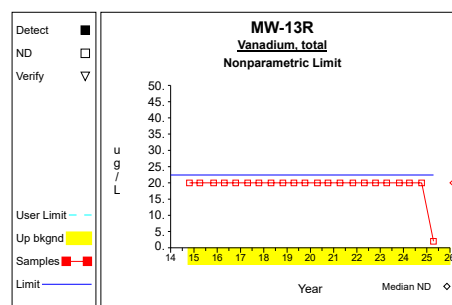
Graph 26



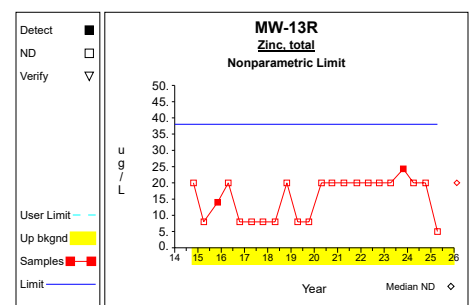
Graph 27



Graph 28

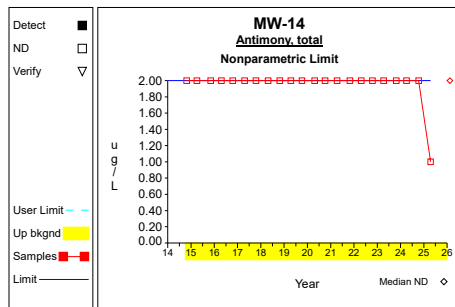


Graph 29

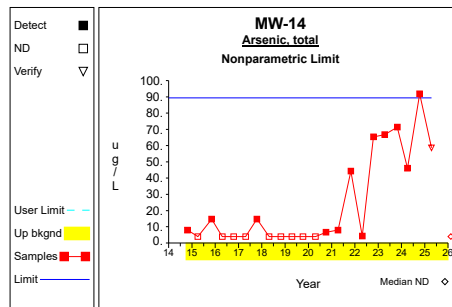


Graph 30

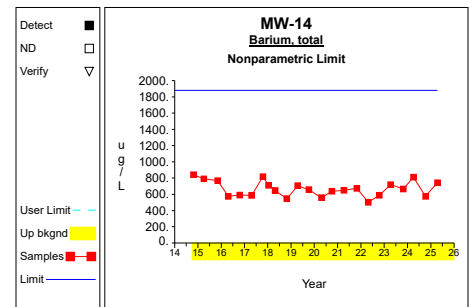
Up vs. Down Prediction Limits



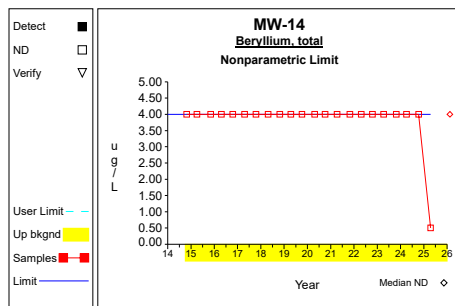
Graph 31



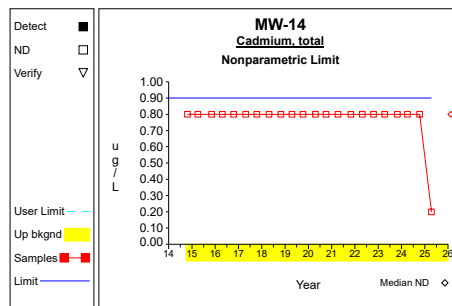
Graph 32



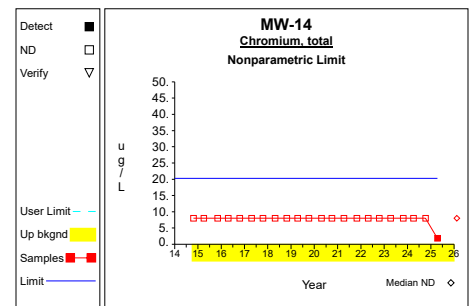
Graph 33



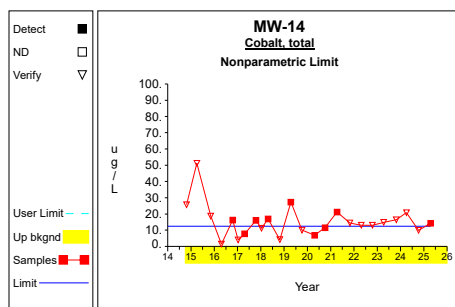
Graph 34



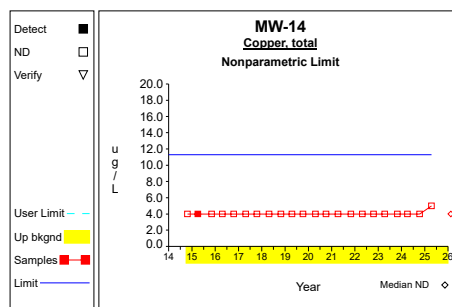
Graph 35



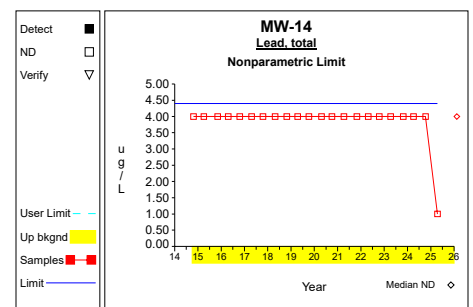
Graph 36



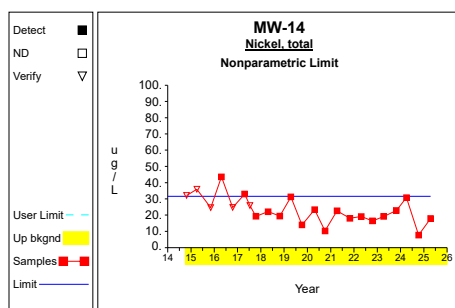
Graph 37



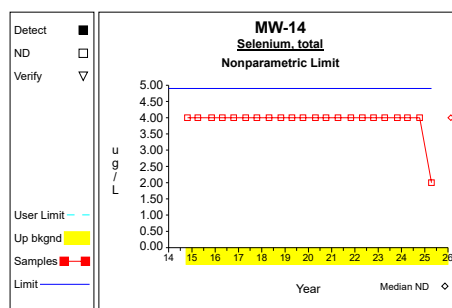
Graph 38



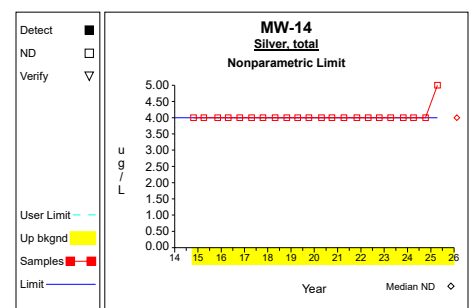
Graph 39



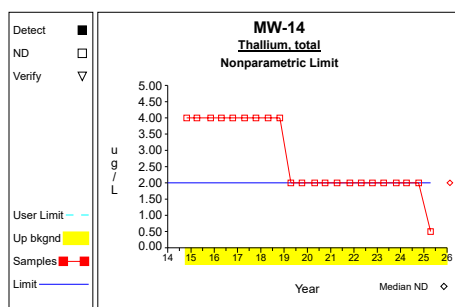
Graph 40



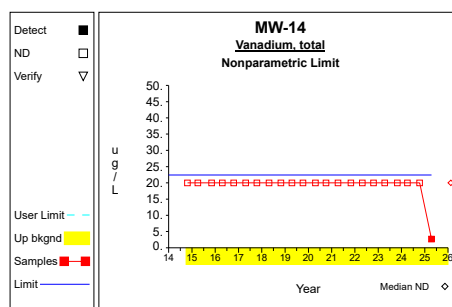
Graph 41



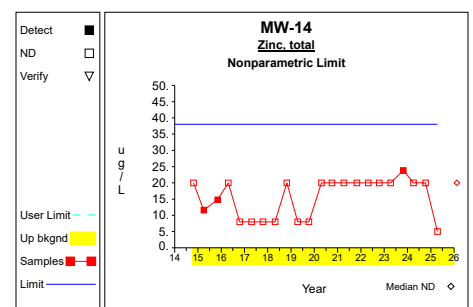
Graph 42



Graph 43

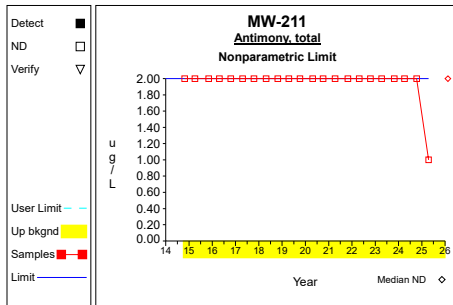


Graph 44

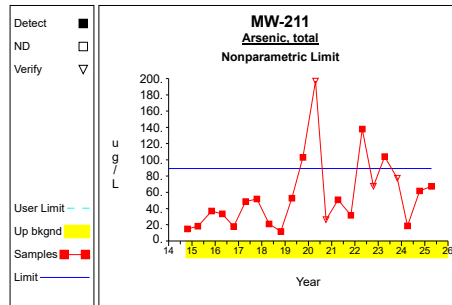


Graph 45

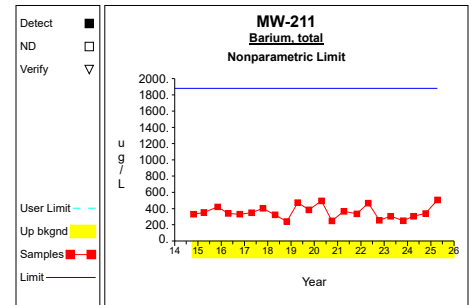
Up vs. Down Prediction Limits



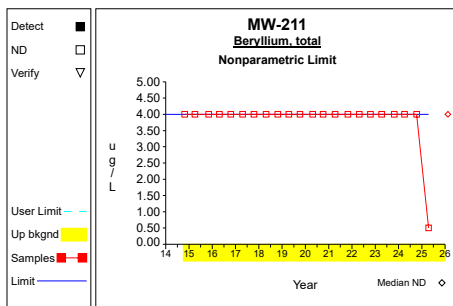
Graph 46



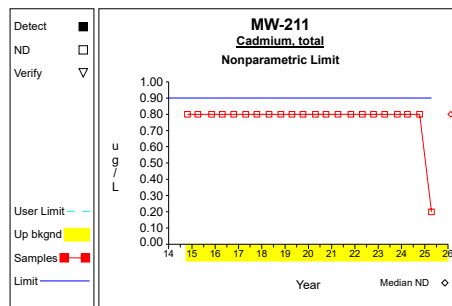
Graph 47



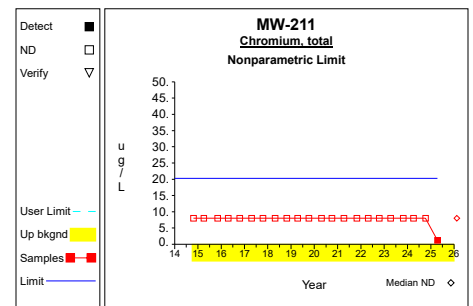
Graph 48



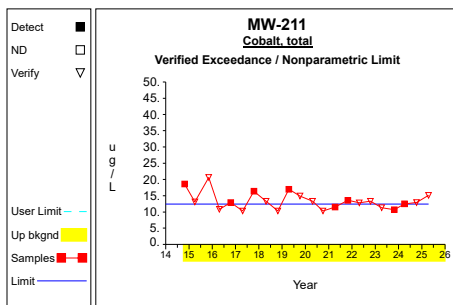
Graph 49



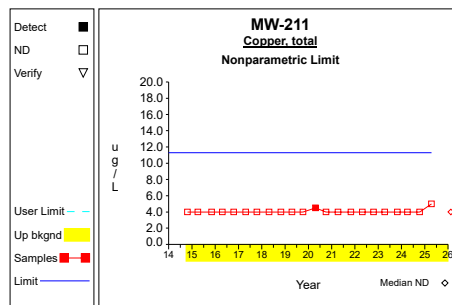
Graph 50



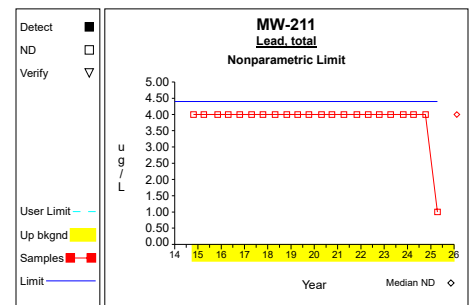
Graph 51



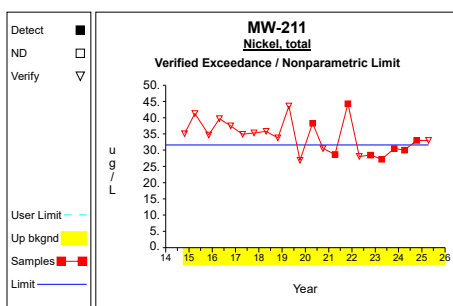
Graph 52



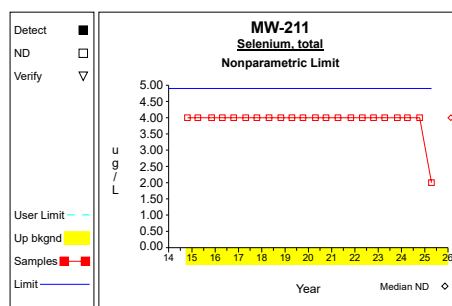
Graph 53



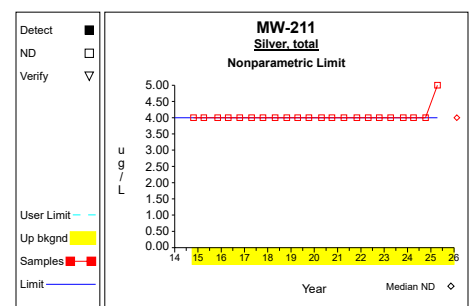
Graph 54



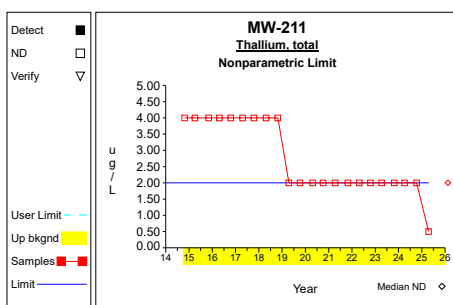
Graph 55



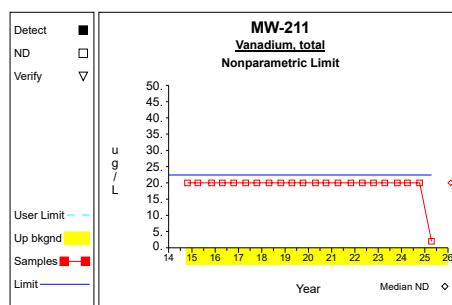
Graph 56



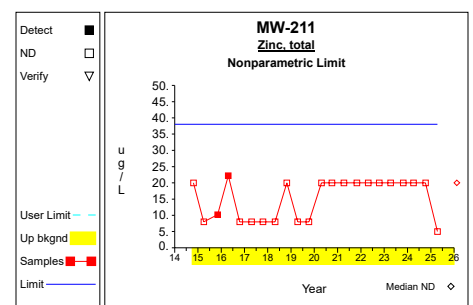
Graph 57



Graph 58

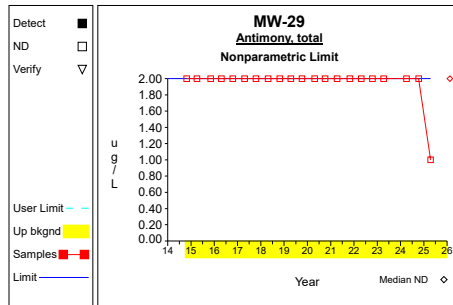


Graph 59

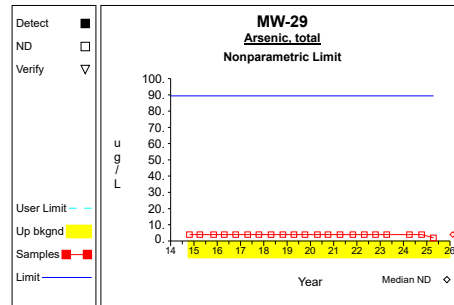


Graph 60

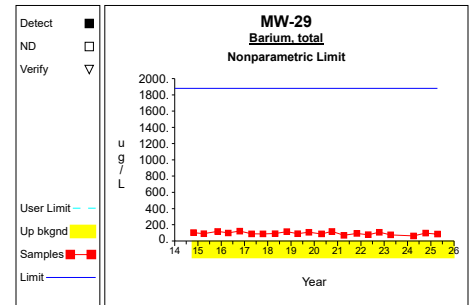
Up vs. Down Prediction Limits



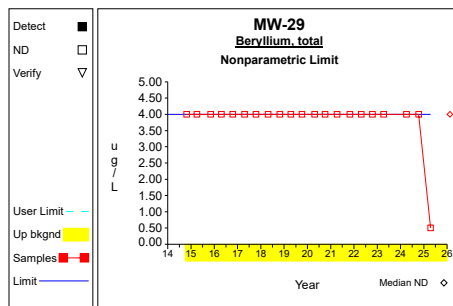
Graph 61



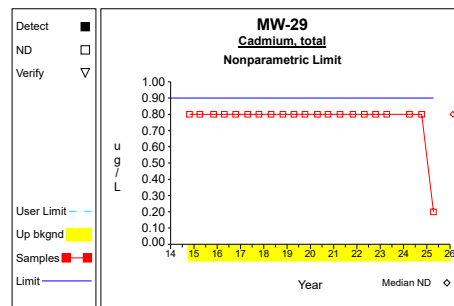
Graph 62



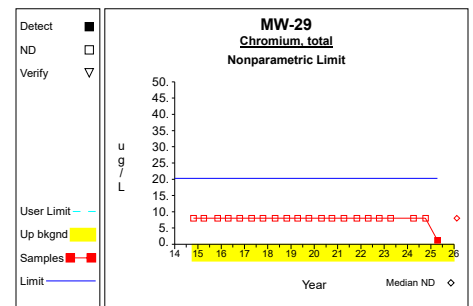
Graph 63



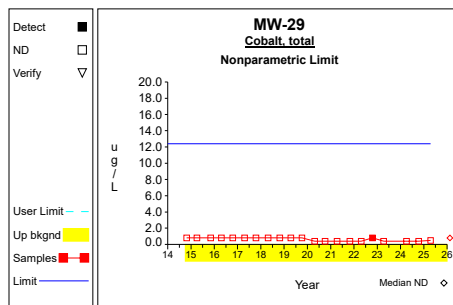
Graph 64



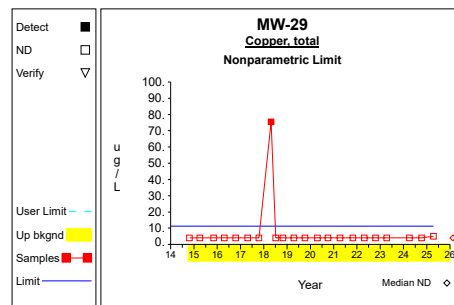
Graph 65



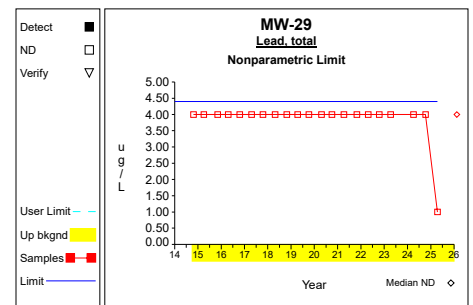
Graph 66



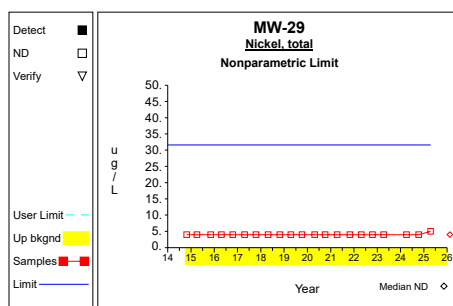
Graph 67



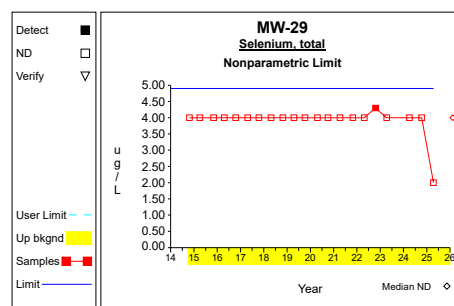
Graph 68



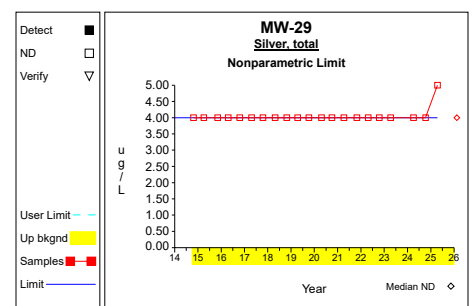
Graph 69



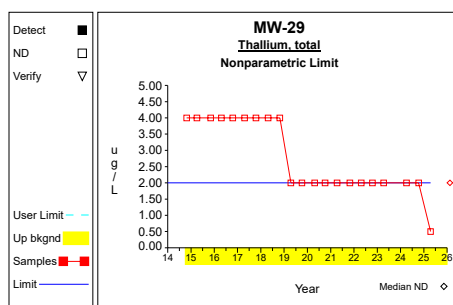
Graph 70



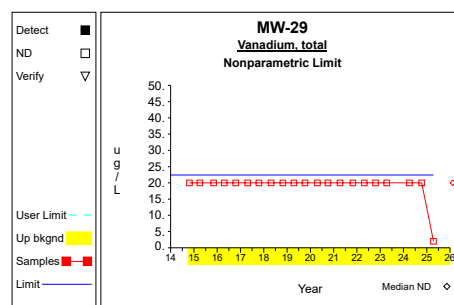
Graph 71



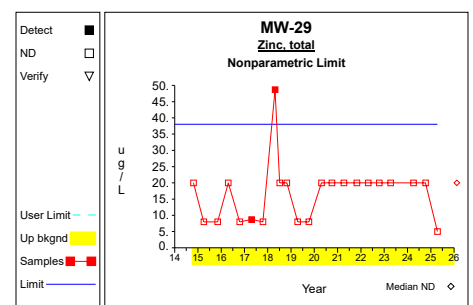
Graph 72



Graph 73

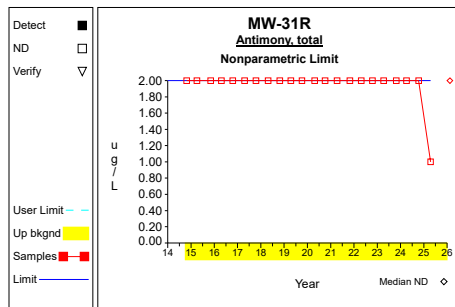


Graph 74

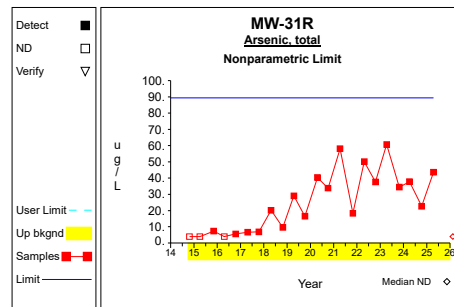


Graph 75

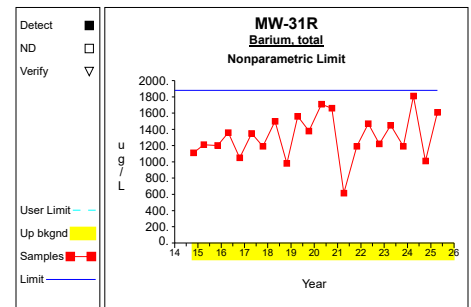
Up vs. Down Prediction Limits



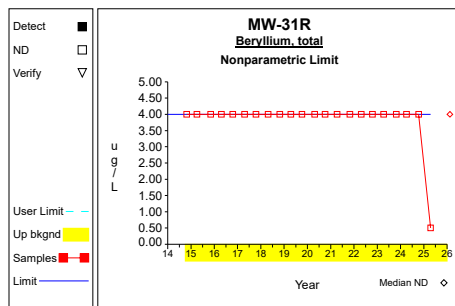
Graph 76



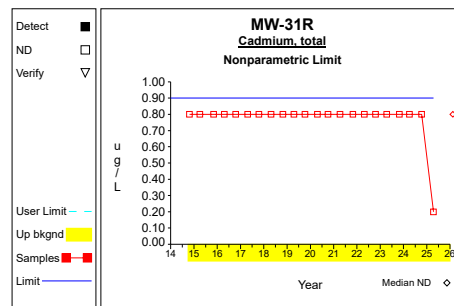
Graph 77



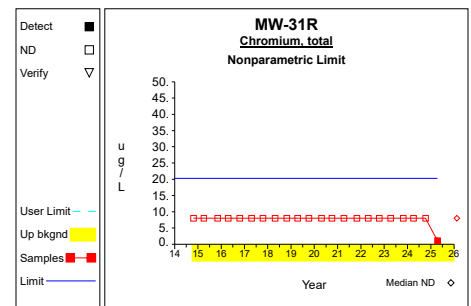
Graph 78



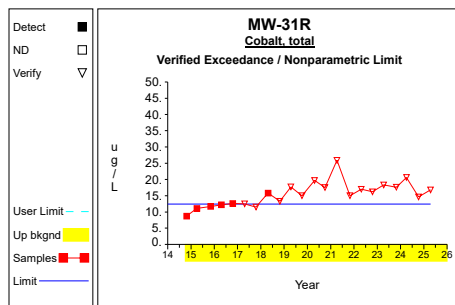
Graph 79



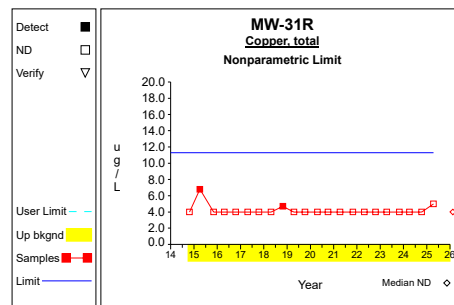
Graph 80



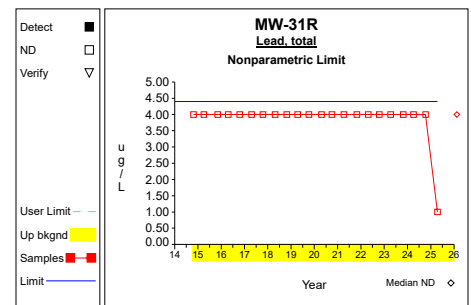
Graph 81



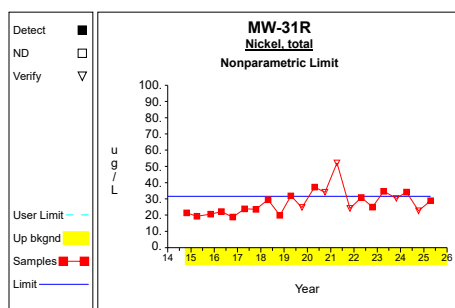
Graph 82



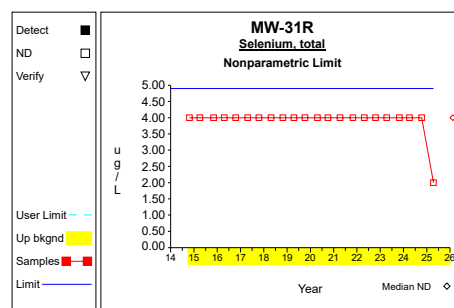
Graph 83



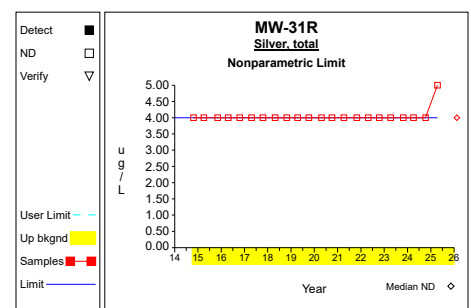
Graph 84



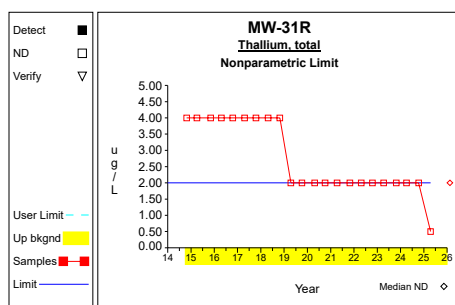
Graph 85



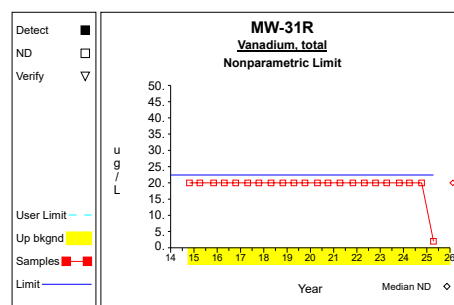
Graph 86



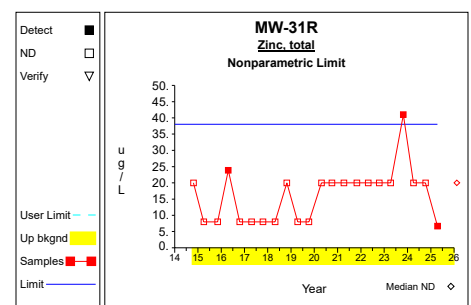
Graph 87



Graph 88

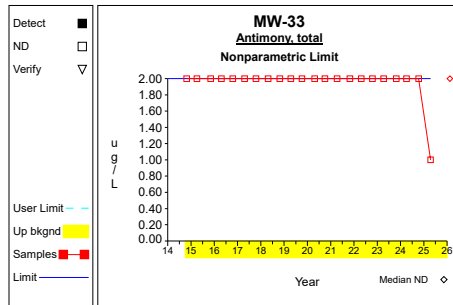


Graph 89

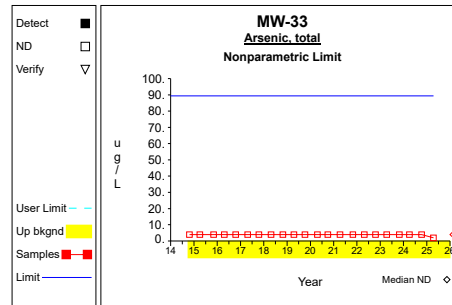


Graph 90

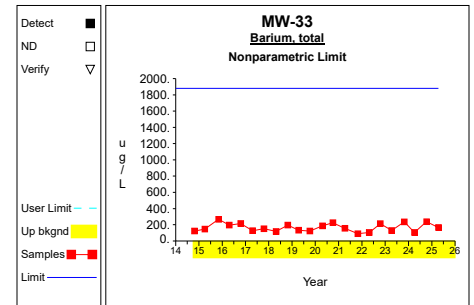
Up vs. Down Prediction Limits



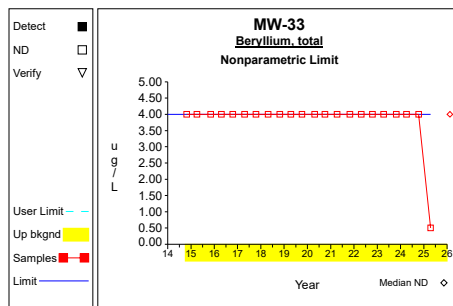
Graph 91



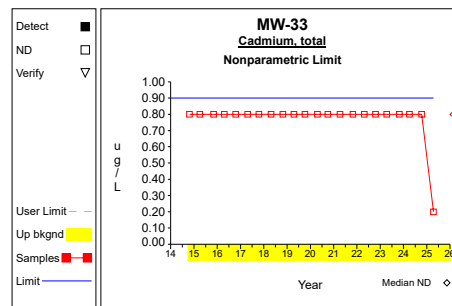
Graph 92



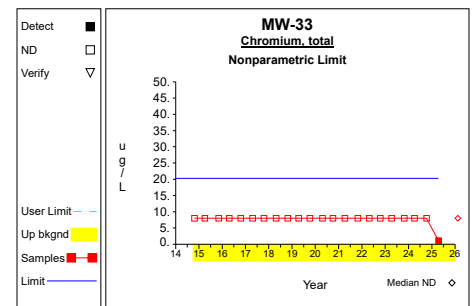
Graph 93



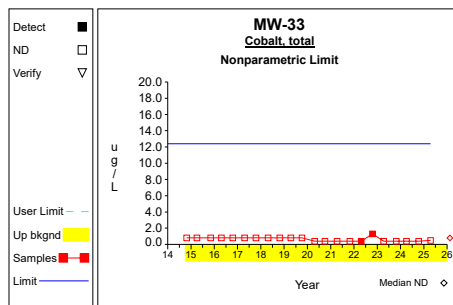
Graph 94



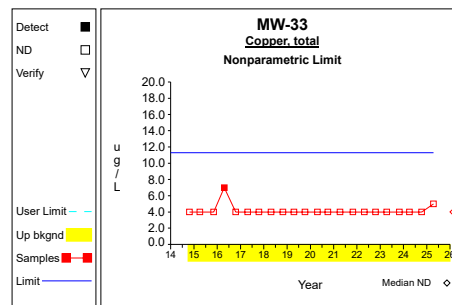
Graph 95



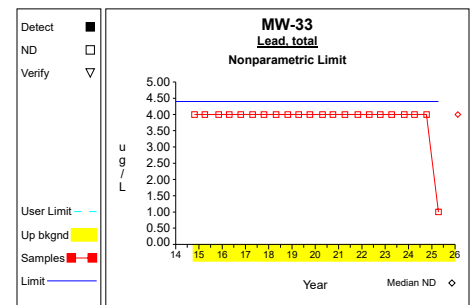
Graph 96



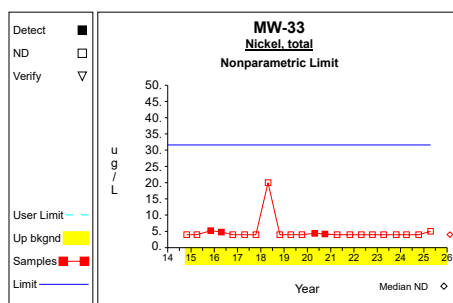
Graph 97



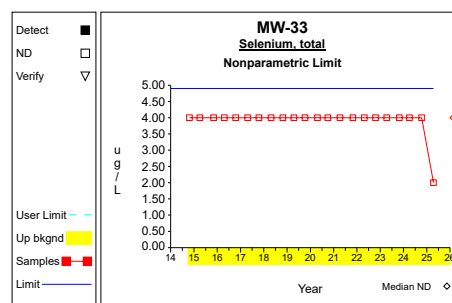
Graph 98



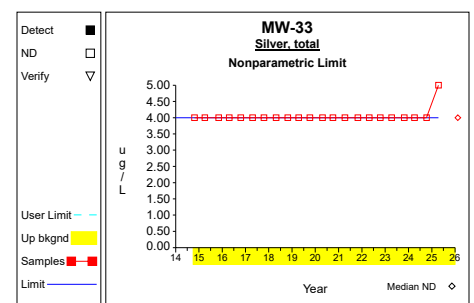
Graph 99



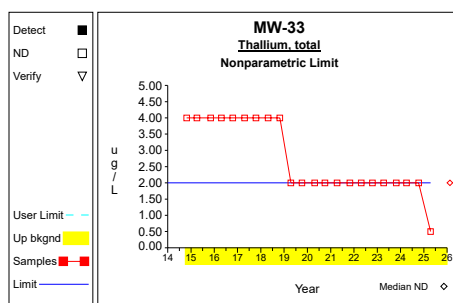
Graph 100



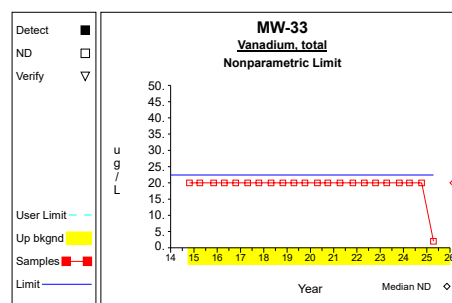
Graph 101



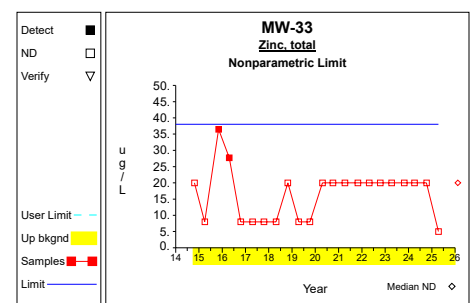
Graph 102



Graph 103

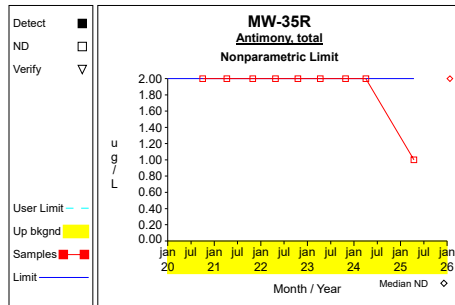


Graph 104

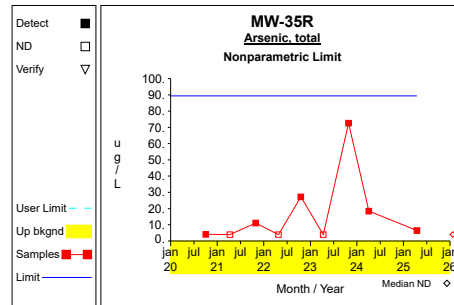


Graph 105

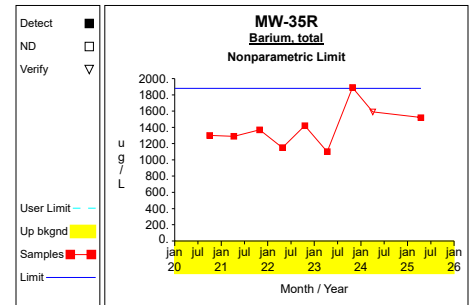
Up vs. Down Prediction Limits



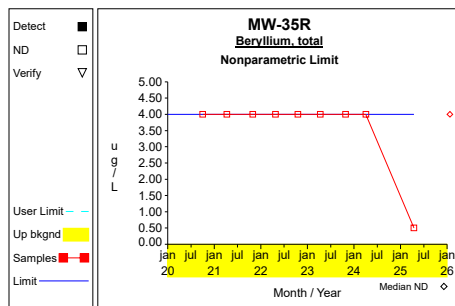
Graph 106



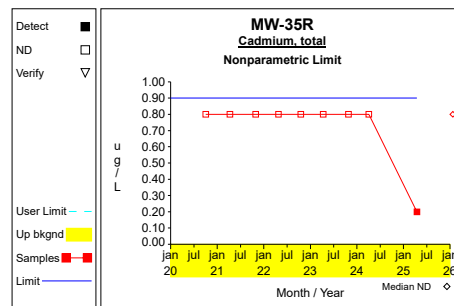
Graph 107



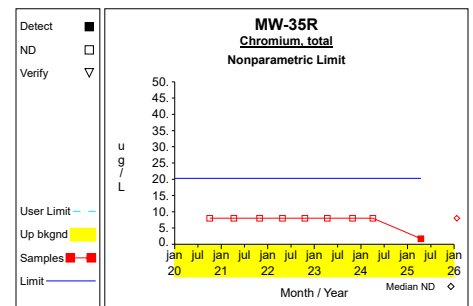
Graph 108



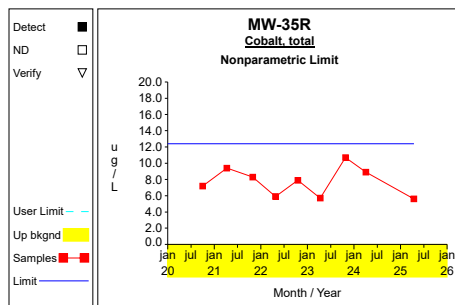
Graph 109



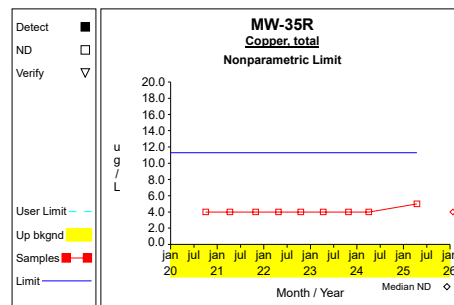
Graph 110



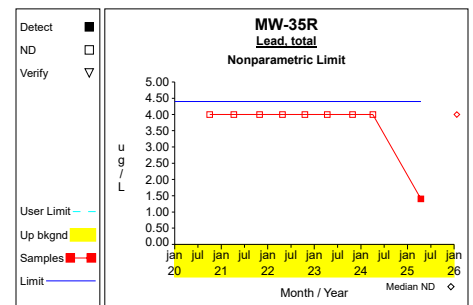
Graph 111



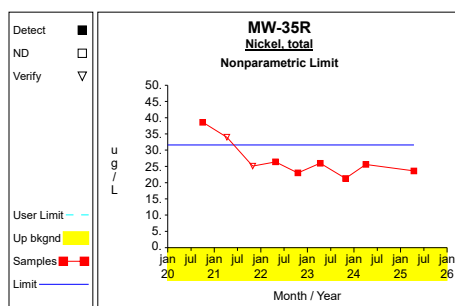
Graph 112



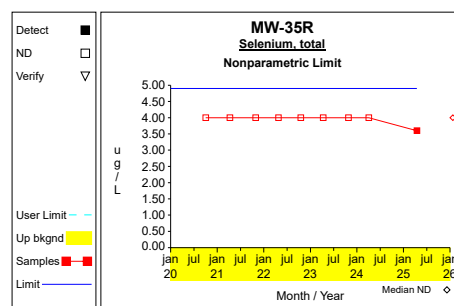
Graph 113



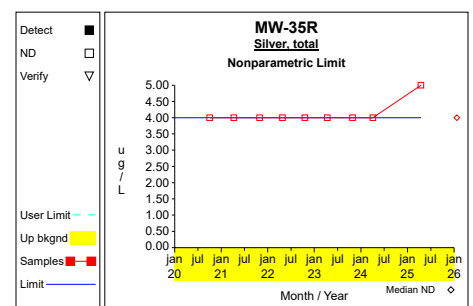
Graph 114



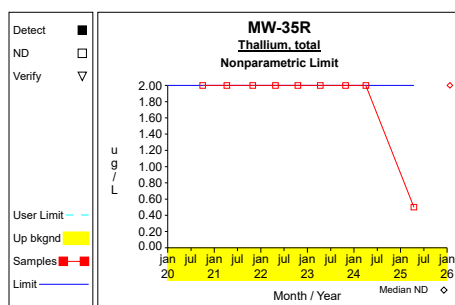
Graph 115



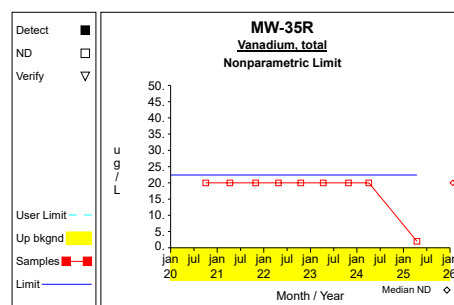
Graph 116



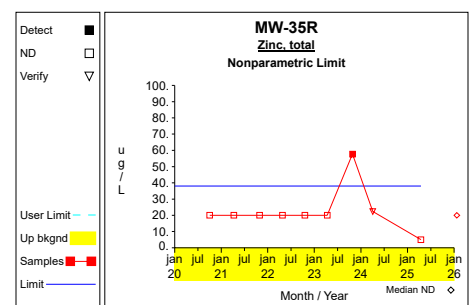
Graph 117



Graph 118

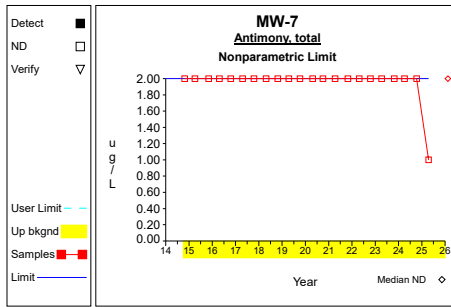


Graph 119

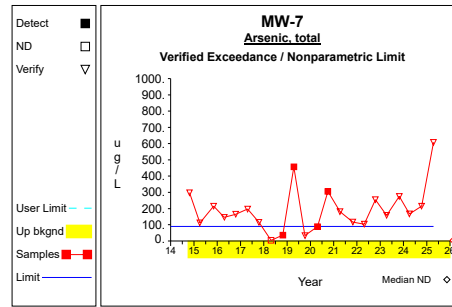


Graph 120

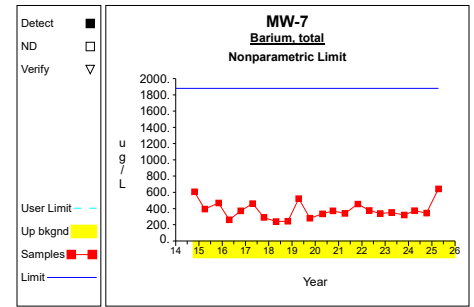
Up vs. Down Prediction Limits



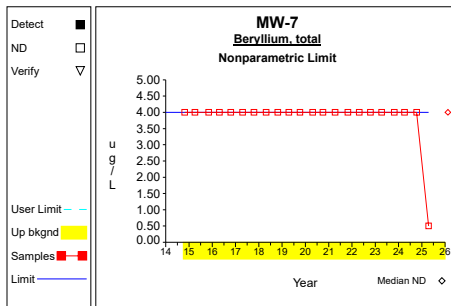
Graph 121



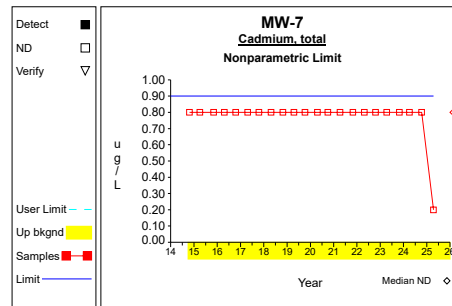
Graph 122



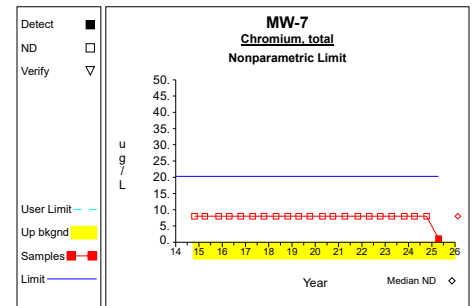
Graph 123



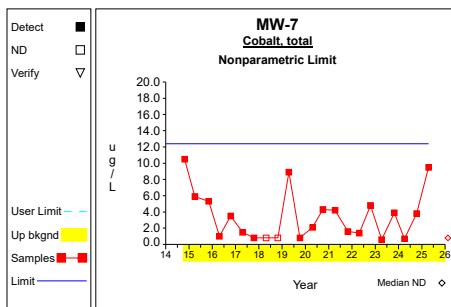
Graph 124



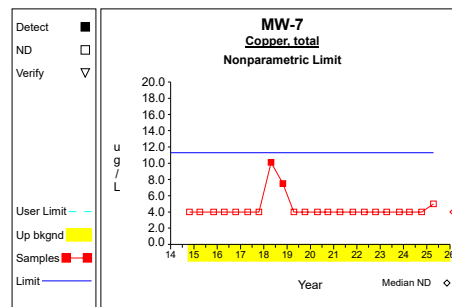
Graph 125



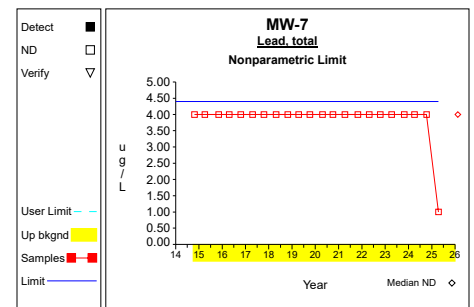
Graph 126



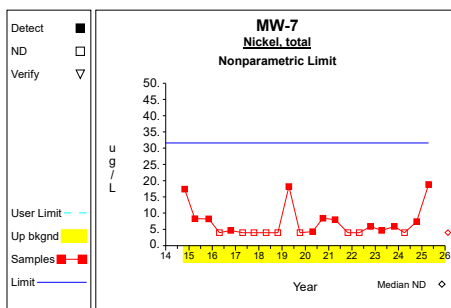
Graph 127



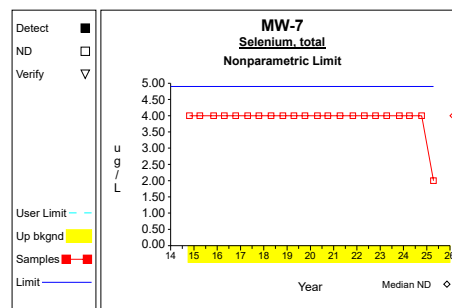
Graph 128



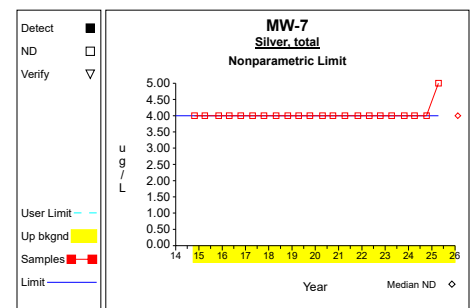
Graph 129



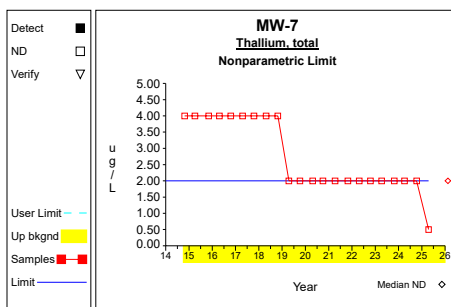
Graph 130



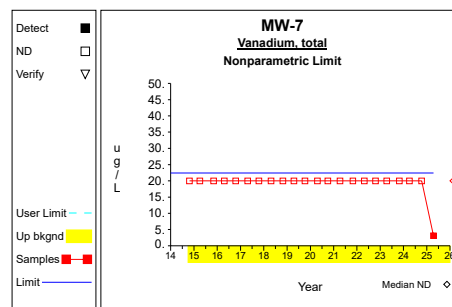
Graph 131



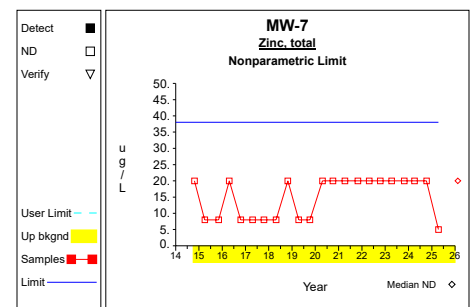
Graph 132



Graph 133

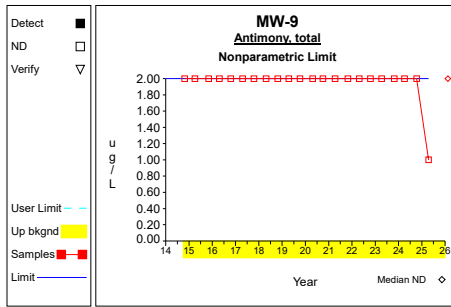


Graph 134

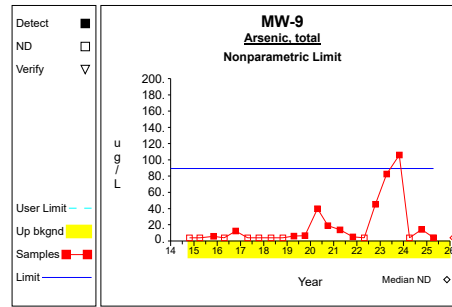


Graph 135

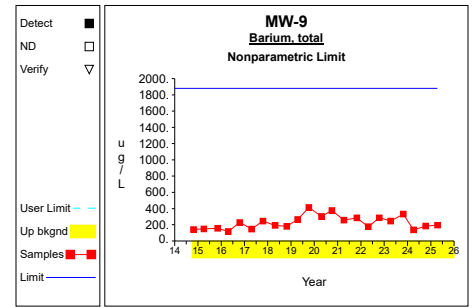
Up vs. Down Prediction Limits



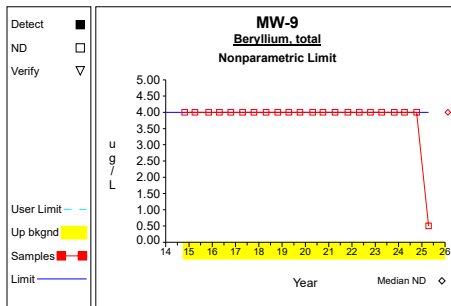
Graph 136



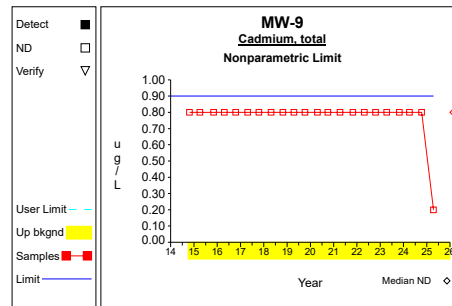
Graph 137



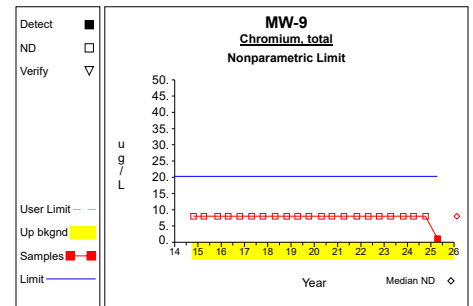
Graph 138



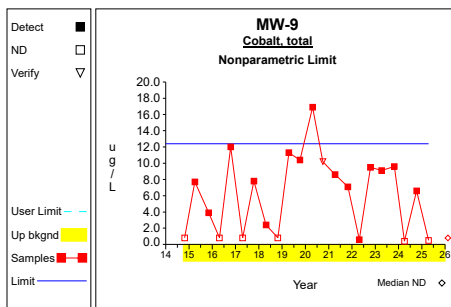
Graph 139



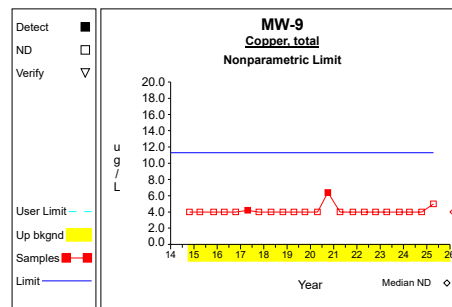
Graph 140



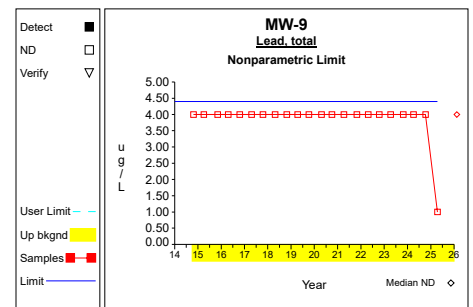
Graph 141



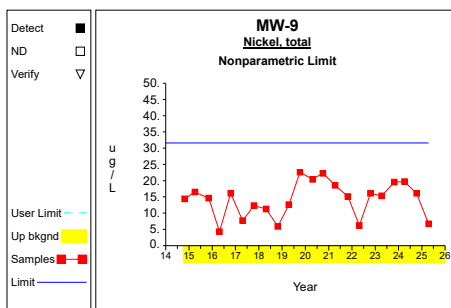
Graph 142



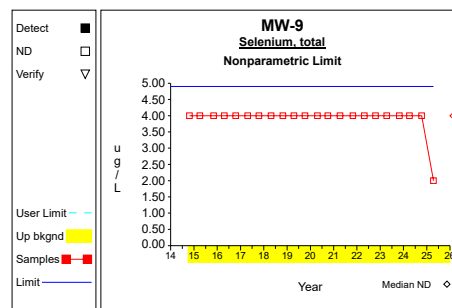
Graph 143



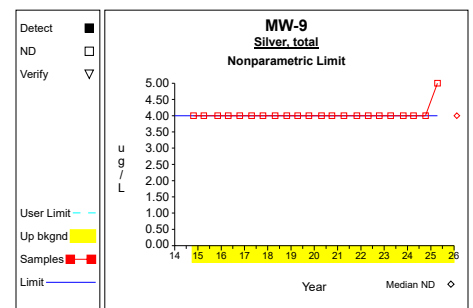
Graph 144



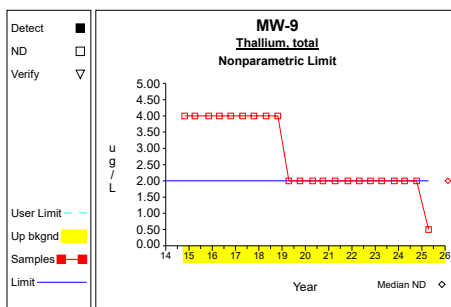
Graph 145



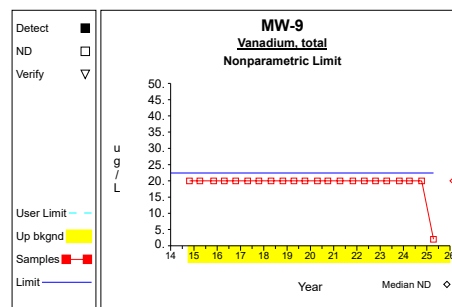
Graph 146



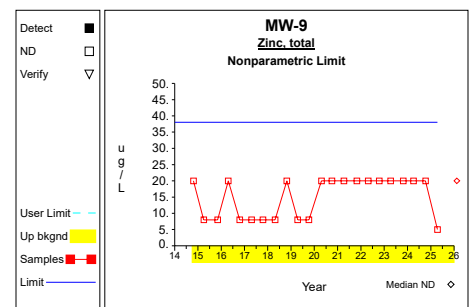
Graph 147



Graph 148

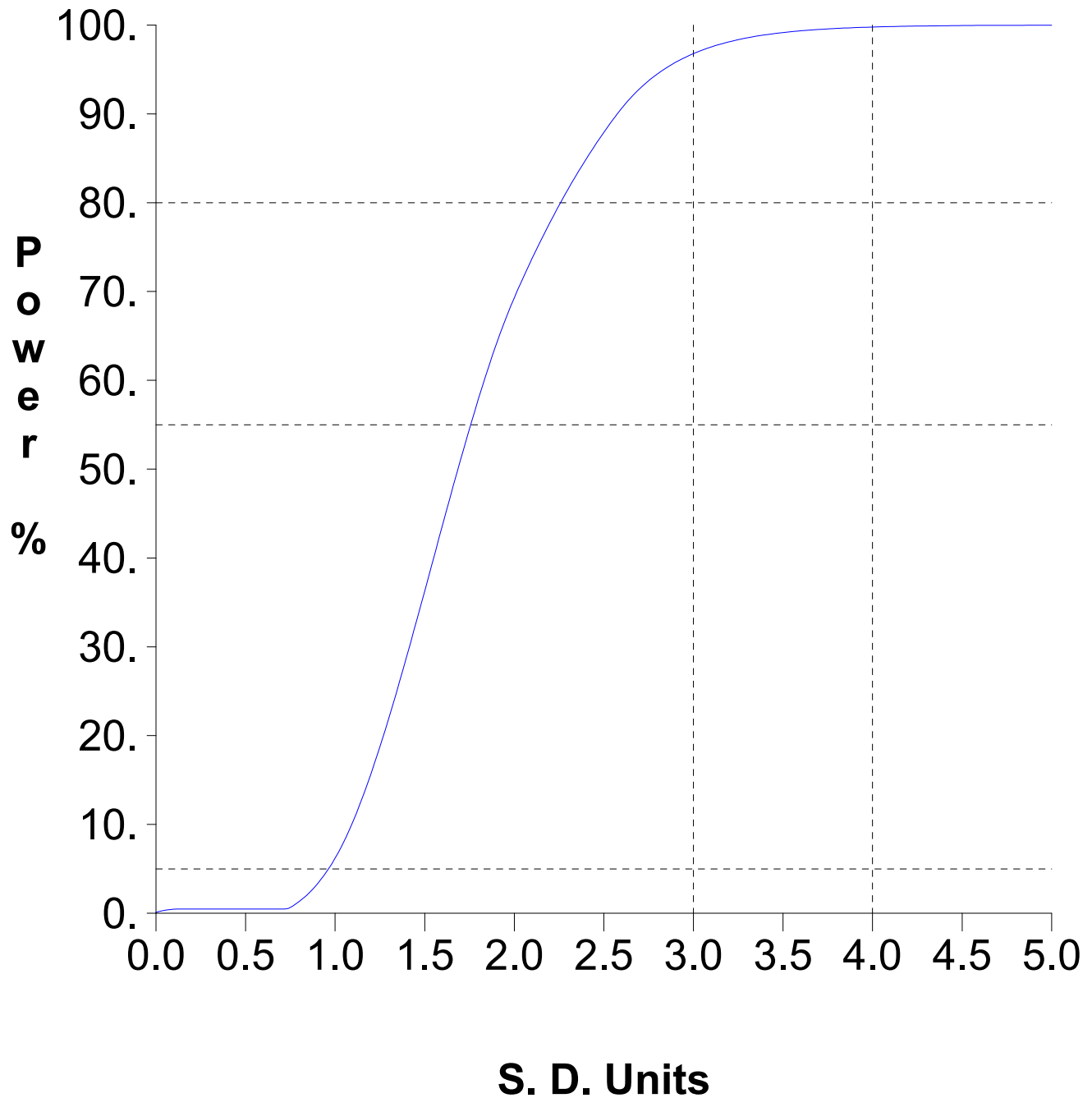


Graph 149



Graph 150

False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program



Attachment C

Assessment Statistics for Trace Metals

Table 1

**Confidence Intervals for Comparing the Mean of the Last
4 Measurements to an Assessment Monitoring Standard**

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Arsenic, total	ug/L	MW-13R	4	136.600	58.940	1.176	67.270	205.930	10.000		**
Cobalt, total	ug/L	MW-13R	4	5.125	2.642	1.176	2.017	8.233	2.100	dec	
Nickel, total	ug/L	MW-13R	4	11.100	6.389	1.176	3.585	18.615	100.000	dec	
Arsenic, total	ug/L	MW-14	4	67.000	19.551	1.176	44.002	89.998	10.000		**
Cobalt, total	ug/L	MW-14	4	15.350	4.532	1.176	10.019	20.681	2.100		**
Nickel, total	ug/L	MW-14	4	19.800	9.661	1.176	8.436	31.164	100.000	dec	
Arsenic, total	ug/L	MW-211	4	56.250	25.914	1.176	25.767	86.733	10.000		**
Cobalt, total	ug/L	MW-211	4	12.800	1.807	1.176	10.674	14.926	2.100		**
Nickel, total	ug/L	MW-211	4	31.625	1.601	1.176	29.742	33.508	100.000		
Arsenic, total	ug/L	MW-31R	4	34.625	8.811	1.176	24.261	44.989	10.000	inc	**
Cobalt, total	ug/L	MW-31R	4	17.400	2.482	1.176	14.481	20.319	2.100	inc	**
Nickel, total	ug/L	MW-31R	4	29.025	4.776	1.176	23.407	34.643	100.000	inc	
Arsenic, total	ug/L	MW-7	4	316.250	199.455	1.176	81.634	550.866	10.000		**
Cobalt, total	ug/L	MW-7	4	4.475	3.665	1.176	0.164	8.786	2.100		
Nickel, total	ug/L	MW-7	4	8.525	7.218	1.176	0.034	17.016	100.000		
Arsenic, total	ug/L	MW-9	4	31.600	49.890	1.176	0.000	90.285	10.000		
Cobalt, total	ug/L	MW-9	4	4.250	4.611	1.176	0.000	9.674	2.100		
Nickel, total	ug/L	MW-9	4	15.525	6.117	1.176	8.330	22.720	100.000		

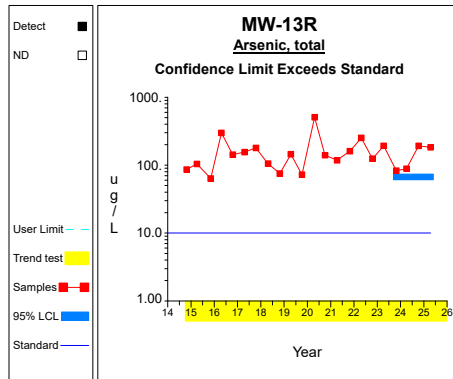
* - Insufficient Data

** - Significant Exceedance

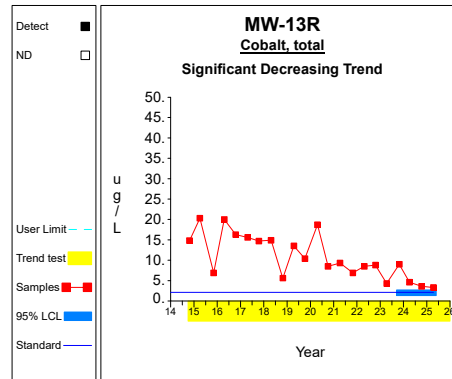
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

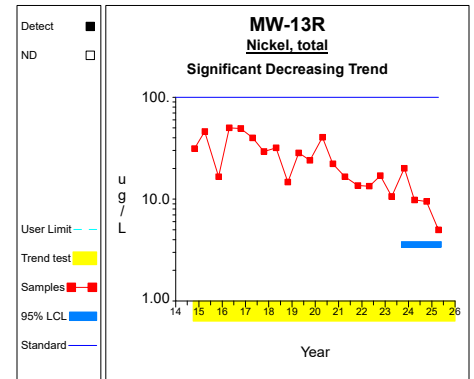
Confidence Limits (Assessment)



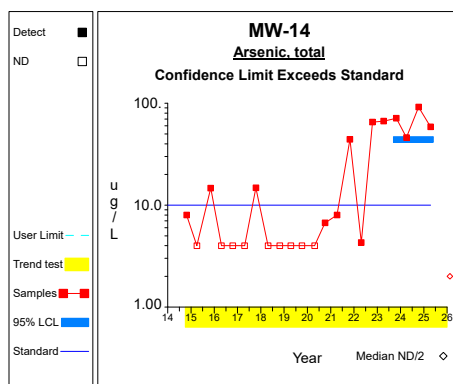
Graph 1



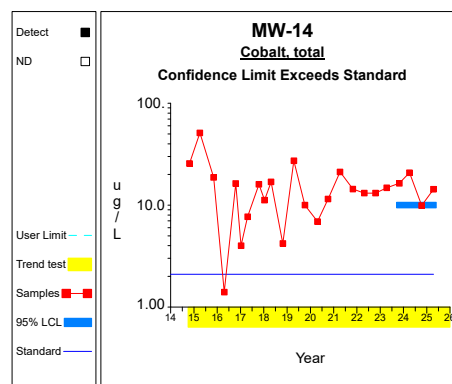
Graph 2



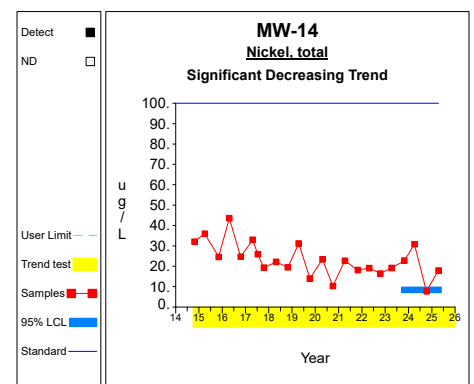
Graph 3



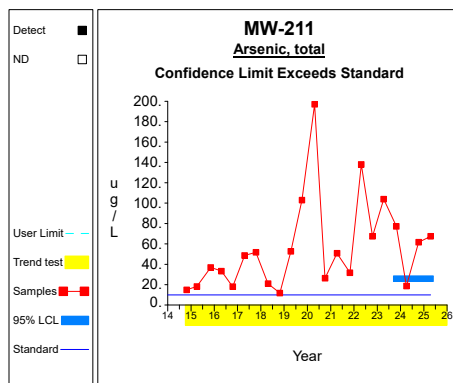
Graph 4



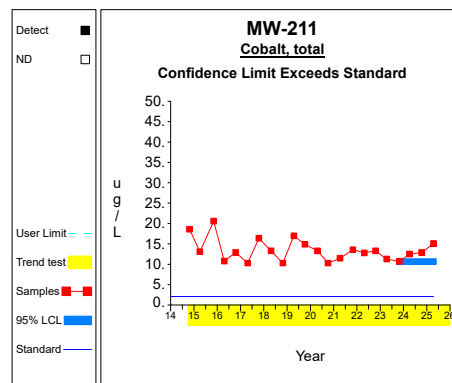
Graph 5



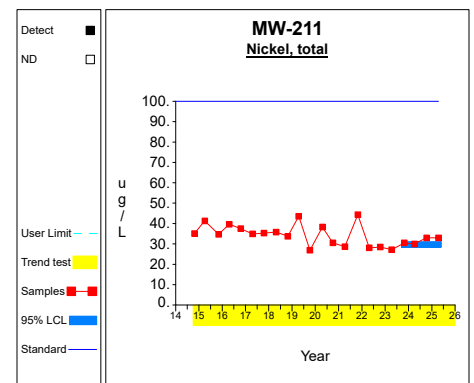
Graph 6



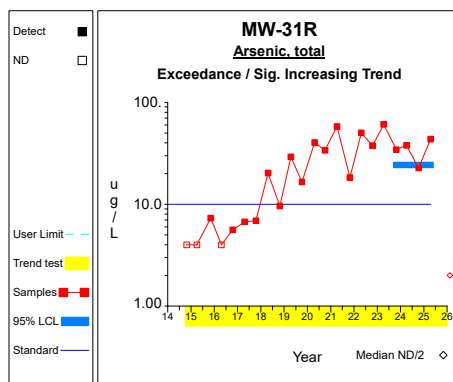
Graph 7



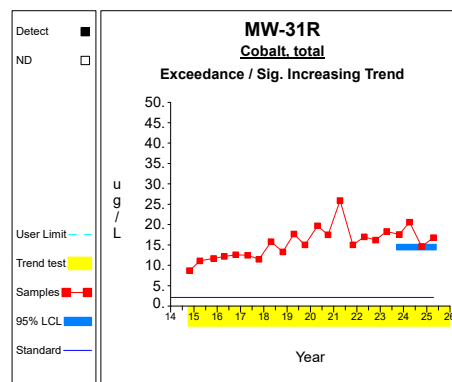
Graph 8



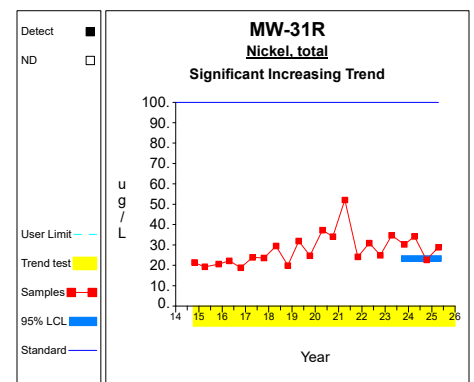
Graph 9



Graph 10

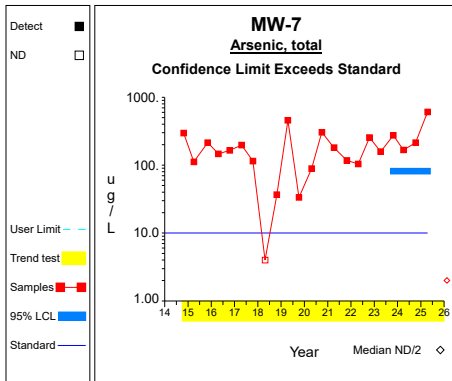


Graph 11

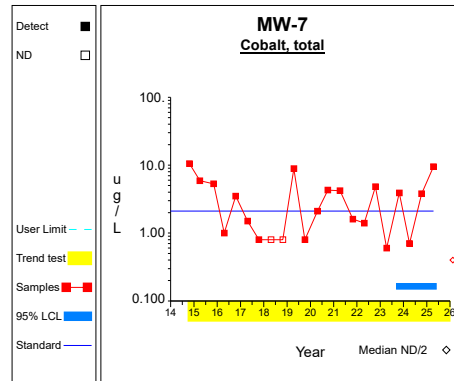


Graph 12

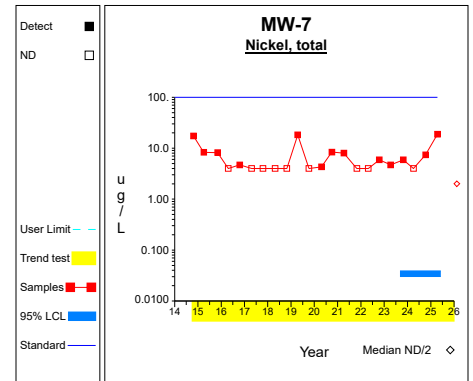
Confidence Limits (Assessment)



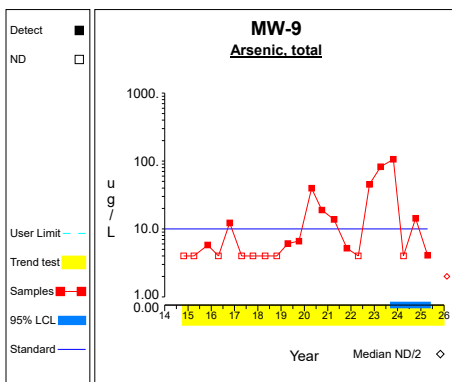
Graph 13



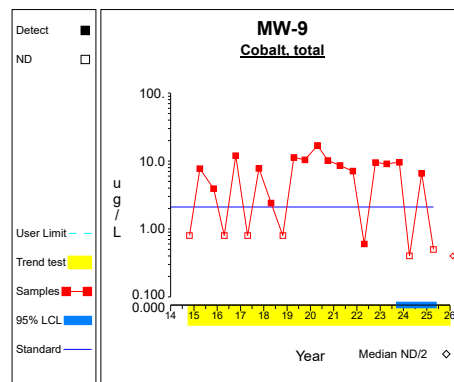
Graph 14



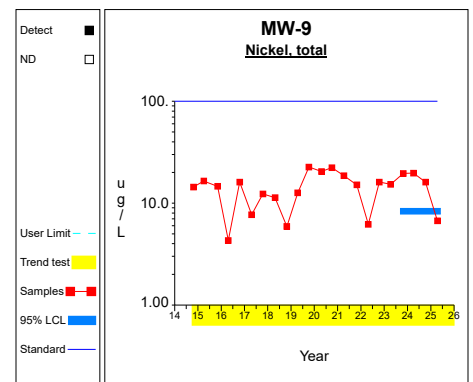
Graph 15



Graph 16



Graph 17



Graph 18

Attachment D

Summary Table of Historical VOC Detections

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Acetone	GU-3	4/08/2021		15.8	10.0	ug/L
(3 + 4)-methylphenol	MW-13R	10/16/2017		12	8	ug/L
1,1-dichloroethane	MW-13R	1/13/2011		1.1	1.0	ug/L
1,1-dichloroethane	MW-13R	4/08/2011		2.2	1.0	ug/L
1,1-dichloroethane	MW-13R	10/18/2011		1.4	1.0	ug/L
1,1-dichloroethane	MW-13R	4/18/2012		1.7	1.0	ug/L
1,1-dichloroethane	MW-13R	10/16/2012		1.2	1.0	ug/L
1,1-dichloroethane	MW-13R	10/09/2013		1.3	1.0	ug/L
1,2-dichloropropane	MW-13R	10/18/2011		1.0	1.0	ug/L
1,2-dichloropropane	MW-13R	4/18/2012		2.0	1.0	ug/L
1,2-dichloropropane	MW-13R	10/16/2012		1.4	1.0	ug/L
1,2-dichloropropane	MW-13R	10/23/2014		1.1	1.0	ug/L
1,2-dichloropropane	MW-13R	11/05/2015		1.1	1.0	ug/L
1,4-dichlorobenzene	MW-13R	11/05/2015		1.1	1.0	ug/L
1,4-dichlorobenzene	MW-13R	4/21/2016		1.1	1.0	ug/L
1,4-dichlorobenzene	MW-13R	10/17/2016		1.3	1.0	ug/L
1,4-dichlorobenzene	MW-13R	4/21/2017		1.2	1.0	ug/L
1,4-dichlorobenzene	MW-13R	10/16/2017		1.2	1.0	ug/L
1,4-dichlorobenzene	MW-13R	4/24/2018		1.1	1.0	ug/L
1,4-dichlorobenzene	MW-13R	10/25/2018		2.0	1.0	ug/L
1,4-dichlorobenzene	MW-13R	4/15/2019		1.2	1.0	ug/L
1,4-dichlorobenzene	MW-13R	4/22/2020		1.1	1.0	ug/L
1,4-dichlorobenzene	MW-13R	10/02/2020		1.3	1.0	ug/L
1,4-dichlorobenzene	MW-13R	4/08/2021		1.0	1.0	ug/L
1,4-dichlorobenzene	MW-13R	10/29/2021		1.4	1.0	ug/L
1,4-dichlorobenzene	MW-13R	4/25/2022		1.2	1.0	ug/L
1,4-dichlorobenzene	MW-13R	10/17/2022		1.4	1.0	ug/L
1,4-dichlorobenzene	MW-13R	4/10/2023		1.6	1.0	ug/L
1,4-dichlorobenzene	MW-13R	10/27/2023		1.0	1.0	ug/L
1,4-dichlorobenzene	MW-13R	4/02/2024		1.1	1.0	ug/L
1,4-dichlorobenzene	MW-13R	10/10/2024		1.8	1.0	ug/L
1,4-dichlorobenzene	MW-13R	4/15/2025		1.2	1.0	ug/L
Acetone	MW-13R	4/16/2014		29.4	10.0	ug/L
Benzene	MW-13R	1/13/2011		1.0	1.0	ug/L
Benzene	MW-13R	4/08/2011		3.0	1.0	ug/L
Benzene	MW-13R	10/18/2011		1.4	1.0	ug/L
Benzene	MW-13R	4/18/2012		4.9	1.0	ug/L
Benzene	MW-13R	10/16/2012		1.8	1.0	ug/L
Benzene	MW-13R	4/03/2013		3.4	1.0	ug/L
Benzene	MW-13R	10/09/2013		3.0	1.0	ug/L
Benzene	MW-13R	4/16/2014		2.2	1.0	ug/L
Benzene	MW-13R	10/23/2014		2.5	1.0	ug/L
Benzene	MW-13R	4/01/2015		6.2	1.0	ug/L
Benzene	MW-13R	11/05/2015		7.2	1.0	ug/L
Benzene	MW-13R	4/21/2016		7.1	1.0	ug/L
Benzene	MW-13R	10/17/2016		7.4	1.0	ug/L
Benzene	MW-13R	4/21/2017		6.0	1.0	ug/L
Benzene	MW-13R	10/16/2017		5.0	1.0	ug/L
Benzene	MW-13R	4/24/2018		5.0	1.0	ug/L
Benzene	MW-13R	10/25/2018		5.0	1.0	ug/L
Benzene	MW-13R	4/15/2019		4.9	1.0	ug/L
Benzene	MW-13R	10/07/2019		2.5	1.0	ug/L
Benzene	MW-13R	4/22/2020		4.6	1.0	ug/L
Benzene	MW-13R	10/02/2020		4.2	1.0	ug/L
Benzene	MW-13R	4/08/2021		3.6	1.0	ug/L
Benzene	MW-13R	10/29/2021		4.0	1.0	ug/L
Benzene	MW-13R	4/25/2022		4.9	1.0	ug/L
Benzene	MW-13R	10/17/2022		2.6	1.0	ug/L
Benzene	MW-13R	4/10/2023		5.1	1.0	ug/L
Benzene	MW-13R	10/27/2023		1.1	1.0	ug/L
Benzene	MW-13R	4/02/2024		2.1	1.0	ug/L
Benzene	MW-13R	10/10/2024		2.8	1.0	ug/L
Benzene	MW-13R	4/15/2025		3.1	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-13R	10/16/2012		9	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-13R	10/16/2017		16	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-13R	10/17/2022		7	6	ug/L
Chlorobenzene	MW-13R	1/13/2011		3.7	1.0	ug/L
Chlorobenzene	MW-13R	4/08/2011		10.7	1.0	ug/L
Chlorobenzene	MW-13R	10/18/2011		2.8	1.0	ug/L
Chlorobenzene	MW-13R	4/18/2012		17.6	1.0	ug/L
Chlorobenzene	MW-13R	10/16/2012		16.0	1.0	ug/L
Chlorobenzene	MW-13R	4/03/2013		18.6	1.0	ug/L
Chlorobenzene	MW-13R	10/09/2013		24.9	1.0	ug/L
Chlorobenzene	MW-13R	4/16/2014		15.0	1.0	ug/L
Chlorobenzene	MW-13R	10/23/2014		14.4	1.0	ug/L
Chlorobenzene	MW-13R	4/01/2015		24.8	1.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chlorobenzene	MW-13R	11/05/2015		30.3	1.0	ug/L
Chlorobenzene	MW-13R	4/21/2016		23.2	1.0	ug/L
Chlorobenzene	MW-13R	10/17/2016		29.9	1.0	ug/L
Chlorobenzene	MW-13R	4/21/2017		26.4	1.0	ug/L
Chlorobenzene	MW-13R	10/16/2017		27.9	1.0	ug/L
Chlorobenzene	MW-13R	4/24/2018		30.4	1.0	ug/L
Chlorobenzene	MW-13R	10/25/2018		27.8	1.0	ug/L
Chlorobenzene	MW-13R	4/15/2019		29.1	1.0	ug/L
Chlorobenzene	MW-13R	10/07/2019		29.7	1.0	ug/L
Chlorobenzene	MW-13R	4/22/2020		27.7	1.0	ug/L
Chlorobenzene	MW-13R	10/02/2020		35.0	1.0	ug/L
Chlorobenzene	MW-13R	4/08/2021		34.1	1.0	ug/L
Chlorobenzene	MW-13R	10/29/2021		37.6	1.0	ug/L
Chlorobenzene	MW-13R	4/25/2022		37.2	1.0	ug/L
Chlorobenzene	MW-13R	10/17/2022		38.1	1.0	ug/L
Chlorobenzene	MW-13R	4/10/2023		43.9	1.0	ug/L
Chlorobenzene	MW-13R	10/27/2023		26.8	1.0	ug/L
Chlorobenzene	MW-13R	4/02/2024		36.7	1.0	ug/L
Chlorobenzene	MW-13R	10/10/2024		43.4	1.0	ug/L
Chlorobenzene	MW-13R	4/15/2025		34.0	1.0	ug/L
Chloroethane	MW-13R	1/13/2011		1	1	ug/L
Chloroethane	MW-13R	10/18/2011		1	1	ug/L
Cis-1,2-dichloroethylene	MW-13R	1/13/2011		3.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	4/08/2011		2.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	10/18/2011		3.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	4/18/2012		1.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	10/16/2012		3.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	4/03/2013		1.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	10/09/2013		1.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	4/16/2014		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	10/23/2014		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	4/01/2015		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	11/05/2015		1.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	10/17/2016		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	10/16/2017		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	10/17/2022		1.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	10/27/2023		1.0	1.0	ug/L
Toluene	MW-13R	1/13/2011		127.0	1.0	ug/L
Toluene	MW-13R	10/16/2012		7.3	1.0	ug/L
Toluene	MW-13R	10/09/2013		7.9	1.0	ug/L
Toluene	MW-13R	4/16/2014		2.3	1.0	ug/L
Toluene	MW-13R	11/05/2015		1.1	1.0	ug/L
Toluene	MW-13R	10/16/2017		1.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-13R	4/08/2011		1.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-13R	4/18/2012		1.7	1.0	ug/L
Trans-1,2-dichloroethylene	MW-13R	10/16/2012		1.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-13R	4/03/2013		1.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-13R	10/09/2013		1.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-13R	4/16/2014		1.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-13R	10/23/2014		1.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-13R	11/05/2015		1.4	1.0	ug/L
Vinyl chloride	MW-13R	1/13/2011		1.2	1.0	ug/L
Vinyl chloride	MW-13R	4/08/2011		1.4	1.0	ug/L
Vinyl chloride	MW-13R	10/18/2011		1.0	1.0	ug/L
Vinyl chloride	MW-13R	10/16/2012		1.1	1.0	ug/L
Vinyl chloride	MW-13R	4/16/2014		2.5	1.0	ug/L
Vinyl chloride	MW-13R	10/23/2014		2.0	1.0	ug/L
Vinyl chloride	MW-13R	4/01/2015		4.8	1.0	ug/L
Vinyl chloride	MW-13R	11/05/2015		1.5	1.0	ug/L
1,1,1-trichloroethane	MW-14	10/05/1993		1.7	1.0	ug/L
1,1,1-trichloroethane	MW-14	1/13/1994		1.7	1.0	ug/L
1,1,1-trichloroethane	MW-14	4/23/1994		1.8	1.0	ug/L
1,1,1-trichloroethane	MW-14	7/13/1994		1.5	1.0	ug/L
1,1,1-trichloroethane	MW-14	4/13/1995		1.3	1.0	ug/L
1,1-dichloroethane	MW-14	10/14/2010		2.7	1.0	ug/L
1,1-dichloroethane	MW-14	4/08/2011		2.8	1.0	ug/L
1,1-dichloroethane	MW-14	10/18/2011		3.2	1.0	ug/L
1,1-dichloroethane	MW-14	4/18/2012		2.2	1.0	ug/L
1,1-dichloroethane	MW-14	10/17/2012		2.5	1.0	ug/L
1,1-dichloroethane	MW-14	4/03/2013		3.0	1.0	ug/L
1,1-dichloroethane	MW-14	10/09/2013		2.5	1.0	ug/L
1,1-dichloroethane	MW-14	4/16/2014		2.7	1.0	ug/L
1,1-dichloroethane	MW-14	10/23/2014		1.5	1.0	ug/L
1,1-dichloroethane	MW-14	4/01/2015		1.8	1.0	ug/L
1,1-dichloroethane	MW-14	11/05/2015		2.3	1.0	ug/L
1,1-dichloroethane	MW-14	4/21/2016		1.3	1.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-dichloroethane	MW-14	10/17/2016		2.5	1.0	ug/L
1,1-dichloroethane	MW-14	10/02/2020		3.9	1.0	ug/L
1,1-dichloroethane	MW-14	4/08/2021		2.4	1.0	ug/L
1,1-dichloroethane	MW-14	10/29/2021		1.8	1.0	ug/L
1,4-dichlorobenzene	MW-14	4/23/1994		1.1	1.0	ug/L
1,4-dichlorobenzene	MW-14	10/18/2011		1.0	1.0	ug/L
1,4-dichlorobenzene	MW-14	10/17/2012		1.2	1.0	ug/L
1,4-dichlorobenzene	MW-14	4/03/2013		1.4	1.0	ug/L
1,4-dichlorobenzene	MW-14	10/09/2013		1.8	1.0	ug/L
1,4-dichlorobenzene	MW-14	4/16/2014		2.2	1.0	ug/L
1,4-dichlorobenzene	MW-14	10/23/2014		2.6	1.0	ug/L
1,4-dichlorobenzene	MW-14	4/01/2015		1.0	1.0	ug/L
1,4-dichlorobenzene	MW-14	11/05/2015		2.1	1.0	ug/L
1,4-dichlorobenzene	MW-14	10/17/2016		1.0	1.0	ug/L
1,4-dichlorobenzene	MW-14	10/16/2017		1.6	1.0	ug/L
1,4-dichlorobenzene	MW-14	10/02/2020		1.8	1.0	ug/L
1,4-dichlorobenzene	MW-14	4/08/2021		1.9	1.0	ug/L
1,4-dichlorobenzene	MW-14	10/29/2021		3.2	1.0	ug/L
1,4-dichlorobenzene	MW-14	4/25/2022		1.7	1.0	ug/L
1,4-dichlorobenzene	MW-14	10/17/2022		2.4	1.0	ug/L
1,4-dichlorobenzene	MW-14	4/10/2023		1.8	1.0	ug/L
1,4-dichlorobenzene	MW-14	10/27/2023		2.4	1.0	ug/L
1,4-dichlorobenzene	MW-14	4/02/2024		3.6	1.0	ug/L
1,4-dichlorobenzene	MW-14	10/10/2024		3.3	1.0	ug/L
Benzene	MW-14	10/18/2011		1.5	1.0	ug/L
Benzene	MW-14	4/18/2012		1.6	1.0	ug/L
Benzene	MW-14	10/17/2012		1.0	1.0	ug/L
Benzene	MW-14	4/03/2013		1.3	1.0	ug/L
Benzene	MW-14	10/09/2013		1.7	1.0	ug/L
Benzene	MW-14	4/16/2014		1.6	1.0	ug/L
Benzene	MW-14	10/23/2014		1.0	1.0	ug/L
Benzene	MW-14	10/16/2017		2.5	1.0	ug/L
Benzene	MW-14	4/15/2019		1.9	1.0	ug/L
Benzene	MW-14	10/29/2021		2.0	1.0	ug/L
Benzene	MW-14	10/17/2022		1.4	1.0	ug/L
Benzene	MW-14	4/10/2023		1.1	1.0	ug/L
Benzene	MW-14	10/27/2023		1.2	1.0	ug/L
Benzene	MW-14	4/02/2024		2.6	1.0	ug/L
Benzene	MW-14	10/10/2024		1.6	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-14	10/16/2017		18	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-14	10/17/2022		11	6	ug/L
Chlorobenzene	MW-14	10/25/2018		1.3	1.0	ug/L
Chlorobenzene	MW-14	4/02/2024		1.2	1.0	ug/L
Chlorobenzene	MW-14	10/10/2024		1.0	1.0	ug/L
Chloroethane	MW-14	10/14/2010		1.4	1.0	ug/L
Chloroethane	MW-14	4/08/2011		1.1	1.0	ug/L
Chloroethane	MW-14	10/18/2011		2.2	1.0	ug/L
Chloroethane	MW-14	4/18/2012		2.0	1.0	ug/L
Chloroethane	MW-14	10/17/2012		2.0	1.0	ug/L
Chloroethane	MW-14	4/03/2013		2.8	1.0	ug/L
Chloroethane	MW-14	10/09/2013		2.8	1.0	ug/L
Chloroethane	MW-14	4/16/2014		3.6	1.0	ug/L
Chloroethane	MW-14	10/23/2014		2.5	1.0	ug/L
Chloroethane	MW-14	11/05/2015		1.4	1.0	ug/L
Chloroethane	MW-14	4/15/2019		1.0	1.0	ug/L
Chloroethane	MW-14	10/07/2019		1.0	1.0	ug/L
Chloroethane	MW-14	10/02/2020		2.7	1.0	ug/L
Chloroethane	MW-14	4/08/2021		1.0	1.0	ug/L
Chloroethane	MW-14	10/29/2021		2.4	1.0	ug/L
Chloroethane	MW-14	10/17/2022		1.3	1.0	ug/L
Chloroethane	MW-14	4/10/2023		1.2	1.0	ug/L
Chloroethane	MW-14	10/27/2023		1.8	1.0	ug/L
Chloroethane	MW-14	4/02/2024		1.9	1.0	ug/L
Chloroethane	MW-14	4/15/2025		1.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/13/1995		13.8	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/04/1995		14.5	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/28/1998		19.2	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/29/1998		29.1	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/07/1999		13.5	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/15/1999		28.0	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/26/2000		94.0	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/19/2001		98.5	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/18/2001		89.0	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/04/2002		51.5	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/18/2002		49.9	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/09/2003		65.4	2.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Cis-1,2-dichloroethylene	MW-14	4/13/2004		46.9	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/18/2004		46.2	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/15/2005		25.6	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/10/2005		32.9	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/11/2006		21.1	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/12/2006		13.9	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/03/2007		3.0	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/09/2008		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/01/2008		5.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/07/2009		15.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/14/2010		2.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/08/2011		4.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/18/2011		3.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/18/2012		2.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/17/2012		3.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/03/2013		3.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/09/2013		2.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/16/2014		2.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/23/2014		1.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	11/05/2015		1.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/17/2016		1.8	1.0	ug/L
Ethylbenzene	MW-14	4/15/2019		1.1	1.0	ug/L
Trichloroethylene	MW-14	10/05/1993		1.3	1.0	ug/L
Trichloroethylene	MW-14	1/13/1994		1.8	1.0	ug/L
Trichloroethylene	MW-14	4/23/1994		3.4	1.0	ug/L
Trichloroethylene	MW-14	7/13/1994		2.6	1.0	ug/L
Trichloroethylene	MW-14	10/04/1995		4.0	1.0	ug/L
Trichloroethylene	MW-14	4/28/1998		2.4	1.0	ug/L
Trichloroethylene	MW-14	10/15/1999		1.7	1.0	ug/L
Trichloroethylene	MW-14	10/26/2000		1.2	1.0	ug/L
Trichloroethylene	MW-14	4/13/2004		.3	.3	ug/L
Vinyl chloride	MW-14	4/13/1995		1.0	.2	ug/L
Vinyl chloride	MW-14	4/19/2001		2.9	2.0	ug/L
Vinyl chloride	MW-14	10/18/2001		1.5	1.0	ug/L
Vinyl chloride	MW-14	4/04/2002		1.3	1.0	ug/L
Vinyl chloride	MW-14	4/13/2004		2.2	2.0	ug/L
Vinyl chloride	MW-14	10/18/2004		3.1	2.0	ug/L
Vinyl chloride	MW-14	4/15/2005		1.4	1.0	ug/L
Vinyl chloride	MW-14	10/12/2006		1.3	1.0	ug/L
Vinyl chloride	MW-14	10/01/2008		1.0	1.0	ug/L
Vinyl chloride	MW-14	4/07/2009		1.9	1.0	ug/L
Vinyl chloride	MW-14	4/03/2013		1.0	1.0	ug/L
Vinyl chloride	MW-14	4/16/2014		1.0	1.0	ug/L
1,1-dichloroethane	MW-211	10/14/2010		3.7	1.0	ug/L
1,1-dichloroethane	MW-211	4/08/2011		5.2	1.0	ug/L
1,1-dichloroethane	MW-211	10/18/2011		4.0	1.0	ug/L
1,1-dichloroethane	MW-211	4/18/2012		3.1	1.0	ug/L
1,1-dichloroethane	MW-211	10/17/2012		2.4	1.0	ug/L
1,1-dichloroethane	MW-211	4/03/2013		2.6	1.0	ug/L
1,1-dichloroethane	MW-211	10/09/2013		1.0	1.0	ug/L
1,1-dichloroethane	MW-211	4/16/2014		1.5	1.0	ug/L
1,1-dichloroethane	MW-211	10/17/2016		2.0	1.0	ug/L
1,1-dichloroethane	MW-211	4/21/2017		1.2	1.0	ug/L
1,1-dichloroethane	MW-211	10/16/2017		1.4	1.0	ug/L
1,1-dichloroethane	MW-211	4/24/2018		1.0	1.0	ug/L
1,2-dichloropropane	MW-211	10/18/2011		2.6	1.0	ug/L
1,2-dichloropropane	MW-211	4/18/2012		2.1	1.0	ug/L
Benzene	MW-211	10/18/2011		1.2	1.0	ug/L
Benzene	MW-211	4/18/2012		2.2	1.0	ug/L
Benzene	MW-211	4/03/2013		1.1	1.0	ug/L
Benzene	MW-211	10/23/2014		2.8	1.0	ug/L
Benzene	MW-211	4/21/2017		1.5	1.0	ug/L
Benzene	MW-211	4/24/2018		1.6	1.0	ug/L
Benzene	MW-211	4/15/2019		1.0	1.0	ug/L
Benzene	MW-211	4/08/2021		1.5	1.0	ug/L
Benzene	MW-211	4/25/2022		1.5	1.0	ug/L
Benzene	MW-211	10/10/2024		1.2	1.0	ug/L
Benzene	MW-211	4/15/2025		1.6	1.0	ug/L
Chlorobenzene	MW-211	4/08/2011		4.6	1.0	ug/L
Chlorobenzene	MW-211	10/18/2011		5.5	1.0	ug/L
Chlorobenzene	MW-211	4/18/2012		6.7	1.0	ug/L
Chlorobenzene	MW-211	10/17/2012		3.6	1.0	ug/L
Chlorobenzene	MW-211	4/03/2013		4.6	1.0	ug/L
Chlorobenzene	MW-211	10/09/2013		3.7	1.0	ug/L
Chlorobenzene	MW-211	4/16/2014		3.9	1.0	ug/L
Chlorobenzene	MW-211	10/23/2014		10.6	1.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chlorobenzene	MW-211	4/01/2015		7.6	1.0	ug/L
Chlorobenzene	MW-211	11/05/2015		10.5	1.0	ug/L
Chlorobenzene	MW-211	4/21/2016		8.1	1.0	ug/L
Chlorobenzene	MW-211	10/17/2016		8.8	1.0	ug/L
Chlorobenzene	MW-211	4/21/2017		8.3	1.0	ug/L
Chlorobenzene	MW-211	10/16/2017		8.2	1.0	ug/L
Chlorobenzene	MW-211	4/24/2018		8.7	1.0	ug/L
Chlorobenzene	MW-211	10/25/2018		6.2	1.0	ug/L
Chlorobenzene	MW-211	4/15/2019		7.5	1.0	ug/L
Chlorobenzene	MW-211	10/07/2019		5.9	1.0	ug/L
Chlorobenzene	MW-211	4/22/2020		6.1	1.0	ug/L
Chlorobenzene	MW-211	10/02/2020		5.2	1.0	ug/L
Chlorobenzene	MW-211	4/08/2021		5.3	1.0	ug/L
Chlorobenzene	MW-211	10/29/2021		5.6	1.0	ug/L
Chlorobenzene	MW-211	4/25/2022		5.0	1.0	ug/L
Chlorobenzene	MW-211	10/17/2022		5.2	1.0	ug/L
Chlorobenzene	MW-211	4/10/2023		4.1	1.0	ug/L
Chlorobenzene	MW-211	10/27/2023		1.7	1.0	ug/L
Chlorobenzene	MW-211	4/02/2024		4.4	1.0	ug/L
Chlorobenzene	MW-211	10/10/2024		4.7	1.0	ug/L
Chlorobenzene	MW-211	4/15/2025		4.3	1.0	ug/L
Chloroethane	MW-211	10/14/2010		3.3	1.0	ug/L
Chloroethane	MW-211	4/08/2011		4.5	1.0	ug/L
Chloroethane	MW-211	10/18/2011		3.2	1.0	ug/L
Chloroethane	MW-211	4/18/2012		2.9	1.0	ug/L
Chloroethane	MW-211	10/17/2012		2.0	1.0	ug/L
Chloroethane	MW-211	4/03/2013		1.5	1.0	ug/L
Chloroethane	MW-211	4/16/2014		1.5	1.0	ug/L
Chloroethane	MW-211	10/23/2014		1.3	1.0	ug/L
Chloroethane	MW-211	11/05/2015		1.4	1.0	ug/L
Chloroethane	MW-211	4/21/2016		1.2	1.0	ug/L
Chloroethane	MW-211	10/17/2016		2.7	1.0	ug/L
Chloroethane	MW-211	4/21/2017		2.1	1.0	ug/L
Chloroethane	MW-211	10/16/2017		2.4	1.0	ug/L
Chloroethane	MW-211	4/24/2018		2.3	1.0	ug/L
Chloroethane	MW-211	4/15/2025		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	10/14/2010		3.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	4/08/2011		6.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	10/18/2011		4.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	4/18/2012		4.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	10/17/2012		3.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	4/03/2013		3.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	10/09/2013		1.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	4/16/2014		1.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	10/23/2014		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	4/01/2015		1.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	11/05/2015		1.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	4/21/2016		1.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	10/17/2016		3.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	4/21/2017		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	10/16/2017		2.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	4/24/2018		1.0	1.0	ug/L
1,1-dichloroethane	MW-31R	4/18/2012		9.5	1.0	ug/L
1,1-dichloroethane	MW-31R	10/17/2012		10.5	1.0	ug/L
1,1-dichloroethane	MW-31R	4/03/2013		14.4	1.0	ug/L
1,1-dichloroethane	MW-31R	10/09/2013		8.2	1.0	ug/L
1,1-dichloroethane	MW-31R	4/16/2014		16.6	1.0	ug/L
1,1-dichloroethane	MW-31R	10/23/2014		4.4	1.0	ug/L
1,1-dichloroethane	MW-31R	4/01/2015		5.8	1.0	ug/L
1,1-dichloroethane	MW-31R	11/05/2015		4.7	1.0	ug/L
1,1-dichloroethane	MW-31R	4/21/2016		1.9	1.0	ug/L
1,1-dichloroethane	MW-31R	10/17/2016		2.0	1.0	ug/L
1,1-dichloroethane	MW-31R	4/21/2017		2.0	1.0	ug/L
1,1-dichloroethane	MW-31R	10/16/2017		1.7	1.0	ug/L
1,1-dichloroethane	MW-31R	4/24/2018		2.9	1.0	ug/L
1,1-dichloroethane	MW-31R	4/15/2019		2.6	1.0	ug/L
1,1-dichloroethane	MW-31R	10/07/2019		1.4	1.0	ug/L
1,1-dichloroethane	MW-31R	4/22/2020		2.9	1.0	ug/L
1,1-dichloroethane	MW-31R	10/02/2020		2.9	1.0	ug/L
1,1-dichloroethane	MW-31R	4/08/2021		2.8	1.0	ug/L
1,1-dichloroethane	MW-31R	10/29/2021		2.9	1.0	ug/L
1,1-dichloroethane	MW-31R	4/25/2022		2.9	1.0	ug/L
1,1-dichloroethane	MW-31R	10/17/2022		3.1	1.0	ug/L
1,1-dichloroethane	MW-31R	4/10/2023		2.8	1.0	ug/L
1,1-dichloroethane	MW-31R	10/27/2023		2.9	1.0	ug/L
1,1-dichloroethane	MW-31R	4/02/2024		3.3	1.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-dichloroethane	MW-31R	10/10/2024		3.1	1.0	ug/L
1,1-dichloroethane	MW-31R	4/15/2025		2.7	1.0	ug/L
1,4-dichlorobenzene	MW-31R	10/09/2013		1.0	1.0	ug/L
1,4-dichlorobenzene	MW-31R	11/05/2015		3.2	1.0	ug/L
1,4-dichlorobenzene	MW-31R	4/21/2016		5.5	1.0	ug/L
1,4-dichlorobenzene	MW-31R	10/17/2016		7.8	1.0	ug/L
1,4-dichlorobenzene	MW-31R	4/21/2017		6.9	1.0	ug/L
1,4-dichlorobenzene	MW-31R	10/16/2017		6.0	1.0	ug/L
1,4-dichlorobenzene	MW-31R	4/24/2018		11.3	1.0	ug/L
1,4-dichlorobenzene	MW-31R	10/25/2018		9.5	1.0	ug/L
1,4-dichlorobenzene	MW-31R	4/15/2019		15.6	1.0	ug/L
1,4-dichlorobenzene	MW-31R	10/07/2019		16.6	1.0	ug/L
1,4-dichlorobenzene	MW-31R	4/22/2020		16.8	1.0	ug/L
1,4-dichlorobenzene	MW-31R	10/02/2020		15.1	1.0	ug/L
1,4-dichlorobenzene	MW-31R	4/08/2021		15.2	1.0	ug/L
1,4-dichlorobenzene	MW-31R	10/29/2021		17.7	1.0	ug/L
1,4-dichlorobenzene	MW-31R	4/25/2022		17.8	1.0	ug/L
1,4-dichlorobenzene	MW-31R	10/17/2022		17.7	1.0	ug/L
1,4-dichlorobenzene	MW-31R	4/10/2023		21.6	1.0	ug/L
1,4-dichlorobenzene	MW-31R	10/27/2023		15.4	1.0	ug/L
1,4-dichlorobenzene	MW-31R	4/02/2024		14.5	1.0	ug/L
1,4-dichlorobenzene	MW-31R	10/10/2024		16.6	1.0	ug/L
1,4-dichlorobenzene	MW-31R	4/15/2025		16.7	1.0	ug/L
Benzene	MW-31R	4/18/2012		2.7	1.0	ug/L
Benzene	MW-31R	10/17/2012		1.3	1.0	ug/L
Benzene	MW-31R	4/03/2013		2.3	1.0	ug/L
Benzene	MW-31R	10/09/2013		2.3	1.0	ug/L
Benzene	MW-31R	4/16/2014		2.2	1.0	ug/L
Benzene	MW-31R	10/23/2014		2.0	1.0	ug/L
Benzene	MW-31R	4/01/2015		2.0	1.0	ug/L
Benzene	MW-31R	11/05/2015		2.5	1.0	ug/L
Benzene	MW-31R	4/21/2016		3.1	1.0	ug/L
Benzene	MW-31R	10/17/2016		3.2	1.0	ug/L
Benzene	MW-31R	4/21/2017		2.6	1.0	ug/L
Benzene	MW-31R	10/16/2017		2.6	1.0	ug/L
Benzene	MW-31R	4/24/2018		2.9	1.0	ug/L
Benzene	MW-31R	4/15/2019		2.3	1.0	ug/L
Benzene	MW-31R	4/22/2020		2.0	1.0	ug/L
Benzene	MW-31R	10/02/2020		1.7	1.0	ug/L
Benzene	MW-31R	4/08/2021		1.9	1.0	ug/L
Benzene	MW-31R	10/29/2021		2.3	1.0	ug/L
Benzene	MW-31R	4/25/2022		2.5	1.0	ug/L
Benzene	MW-31R	10/17/2022		1.8	1.0	ug/L
Benzene	MW-31R	4/10/2023		1.9	1.0	ug/L
Benzene	MW-31R	10/27/2023		1.4	1.0	ug/L
Benzene	MW-31R	4/02/2024		2.1	1.0	ug/L
Benzene	MW-31R	10/10/2024		2.3	1.0	ug/L
Benzene	MW-31R	4/15/2025		1.3	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-31R	4/03/2013		22	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-31R	10/23/2014		64	10	ug/L
Bis(2-ethylhexyl) phthalate	MW-31R	10/27/2023		9	6	ug/L
Chlorobenzene	MW-31R	4/16/2014		1.1	1.0	ug/L
Chlorobenzene	MW-31R	4/01/2015		1.2	1.0	ug/L
Chlorobenzene	MW-31R	11/05/2015		3.0	1.0	ug/L
Chlorobenzene	MW-31R	4/21/2016		5.0	1.0	ug/L
Chlorobenzene	MW-31R	10/17/2016		7.2	1.0	ug/L
Chlorobenzene	MW-31R	4/21/2017		6.4	1.0	ug/L
Chlorobenzene	MW-31R	10/16/2017		7.9	1.0	ug/L
Chlorobenzene	MW-31R	4/24/2018		12.0	1.0	ug/L
Chlorobenzene	MW-31R	10/25/2018		10.5	1.0	ug/L
Chlorobenzene	MW-31R	4/15/2019		13.8	1.0	ug/L
Chlorobenzene	MW-31R	10/07/2019		13.3	1.0	ug/L
Chlorobenzene	MW-31R	4/22/2020		15.0	1.0	ug/L
Chlorobenzene	MW-31R	10/02/2020		13.8	1.0	ug/L
Chlorobenzene	MW-31R	4/08/2021		15.6	1.0	ug/L
Chlorobenzene	MW-31R	10/29/2021		17.4	1.0	ug/L
Chlorobenzene	MW-31R	4/25/2022		18.6	1.0	ug/L
Chlorobenzene	MW-31R	10/17/2022		19.8	1.0	ug/L
Chlorobenzene	MW-31R	4/10/2023		25.0	1.0	ug/L
Chlorobenzene	MW-31R	10/27/2023		18.6	1.0	ug/L
Chlorobenzene	MW-31R	4/02/2024		21.0	1.0	ug/L
Chlorobenzene	MW-31R	10/10/2024		26.1	1.0	ug/L
Chlorobenzene	MW-31R	4/15/2025		22.3	1.0	ug/L
Chloroethane	MW-31R	4/18/2012		5.4	1.0	ug/L
Chloroethane	MW-31R	10/17/2012		5.5	1.0	ug/L
Chloroethane	MW-31R	4/03/2013		6.9	1.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chloroethane	MW-31R	10/09/2013		5.4	1.0	ug/L
Chloroethane	MW-31R	4/16/2014		8.3	1.0	ug/L
Chloroethane	MW-31R	10/23/2014		3.9	1.0	ug/L
Chloroethane	MW-31R	11/05/2015		4.1	1.0	ug/L
Chloroethane	MW-31R	4/21/2016		2.8	1.0	ug/L
Chloroethane	MW-31R	10/17/2016		3.7	1.0	ug/L
Chloroethane	MW-31R	4/21/2017		3.4	1.0	ug/L
Chloroethane	MW-31R	4/24/2018		4.8	1.0	ug/L
Chloroethane	MW-31R	10/25/2018		3.4	1.0	ug/L
Chloroethane	MW-31R	4/15/2019		3.3	1.0	ug/L
Chloroethane	MW-31R	10/07/2019		3.4	1.0	ug/L
Chloroethane	MW-31R	4/22/2020		3.4	1.0	ug/L
Chloroethane	MW-31R	10/02/2020		2.9	1.0	ug/L
Chloroethane	MW-31R	4/08/2021		3.0	1.0	ug/L
Chloroethane	MW-31R	10/29/2021		2.9	1.0	ug/L
Chloroethane	MW-31R	4/25/2022		3.7	1.0	ug/L
Chloroethane	MW-31R	10/17/2022		3.3	1.0	ug/L
Chloroethane	MW-31R	4/10/2023		3.6	1.0	ug/L
Chloroethane	MW-31R	10/27/2023		3.4	1.0	ug/L
Chloroethane	MW-31R	4/02/2024		3.5	1.0	ug/L
Chloroethane	MW-31R	10/10/2024		2.6	1.0	ug/L
Chloroethane	MW-31R	4/15/2025		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/18/2012		137.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	10/17/2012		142.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/03/2013		165.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	10/09/2013		112.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/16/2014		185.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	10/23/2014		116.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/01/2015		110.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	11/05/2015		80.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/21/2016		59.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	10/17/2016		45.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/21/2017		39.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	10/16/2017		38.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/24/2018		39.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	10/25/2018		26.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/15/2019		26.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	10/07/2019		25.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/22/2020		20.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	10/02/2020		34.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/08/2021		23.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	10/29/2021		18.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/25/2022		24.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	10/17/2022		22.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/10/2023		11.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	10/27/2023		17.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/02/2024		19.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	10/10/2024		16.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/15/2025		14.0	1.0	ug/L
Dichlorodifluoromethane	MW-31R	4/03/2013		1.3	1.0	ug/L
Dichlorodifluoromethane	MW-31R	4/16/2014		1.5	1.0	ug/L
Dichlorodifluoromethane	MW-31R	10/23/2014		1.2	1.0	ug/L
Disulfoton	MW-31R	10/27/2023		2.9	.4	ug/L
Ethylbenzene	MW-31R	4/02/2024		1.0	1.0	ug/L
Ethylbenzene	MW-31R	10/10/2024		2.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/18/2012		11.1	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	10/17/2012		8.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/03/2013		13.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	10/09/2013		12.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/16/2014		13.7	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	10/23/2014		9.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/01/2015		6.5	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	11/05/2015		6.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/21/2016		3.7	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	10/17/2016		3.7	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/21/2017		3.5	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	10/16/2017		3.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/24/2018		3.9	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/15/2019		2.7	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	10/07/2019		1.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/22/2020		2.9	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	10/02/2020		3.7	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/08/2021		2.1	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	10/29/2021		2.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/25/2022		2.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	10/17/2022		2.6	1.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Trans-1,2-dichloroethylene	MW-31R	4/10/2023		1.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	10/27/2023		2.3	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/02/2024		2.5	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	10/10/2024		1.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/15/2025		1.7	1.0	ug/L
Vinyl chloride	MW-31R	4/18/2012		5.4	1.0	ug/L
Vinyl chloride	MW-31R	10/17/2012		4.0	1.0	ug/L
Vinyl chloride	MW-31R	4/03/2013		3.8	1.0	ug/L
Vinyl chloride	MW-31R	10/09/2013		4.5	1.0	ug/L
Vinyl chloride	MW-31R	4/16/2014		4.1	1.0	ug/L
Vinyl chloride	MW-31R	10/23/2014		4.0	1.0	ug/L
Vinyl chloride	MW-31R	4/01/2015		2.7	1.0	ug/L
Vinyl chloride	MW-31R	11/05/2015		2.2	1.0	ug/L
Vinyl chloride	MW-31R	4/21/2016		2.3	1.0	ug/L
Vinyl chloride	MW-31R	10/17/2016		2.0	1.0	ug/L
Vinyl chloride	MW-31R	4/21/2017		1.1	1.0	ug/L
Vinyl chloride	MW-31R	4/24/2018		1.3	1.0	ug/L
1,1-dichloroethane	MW-35	10/14/2010		7.3	1.0	ug/L
1,1-dichloroethane	MW-35	4/08/2011		10.1	1.0	ug/L
1,1-dichloroethane	MW-35	10/18/2011		5.0	1.0	ug/L
1,1-dichloroethane	MW-35	4/18/2012		4.2	1.0	ug/L
1,1-dichloroethane	MW-35	10/16/2012		3.2	1.0	ug/L
1,1-dichloroethane	MW-35	4/03/2013		2.1	1.0	ug/L
1,1-dichloroethane	MW-35	10/09/2013		2.2	1.0	ug/L
1,1-dichloroethane	MW-35	4/16/2014		1.1	1.0	ug/L
1,1-dichloroethane	MW-35	10/23/2014		1.0	1.0	ug/L
1,1-dichloroethane	MW-35	4/01/2015		1.2	1.0	ug/L
1,1-dichloroethane	MW-35	7/08/2015		2.3	1.0	ug/L
1,1-dichloroethane	MW-35	10/17/2016		10.8	1.0	ug/L
1,1-dichloroethane	MW-35	4/21/2017		9.8	1.0	ug/L
1,1-dichloroethane	MW-35	10/16/2017		9.8	1.0	ug/L
1,1-dichloroethane	MW-35	4/24/2018		12.0	1.0	ug/L
1,1-dichloroethane	MW-35	10/25/2018		5.5	1.0	ug/L
1,1-dichloroethane	MW-35	4/15/2019		5.7	1.0	ug/L
1,1-dichloroethane	MW-35	10/07/2019		5.7	1.0	ug/L
1,1-dichloroethane	MW-35	4/22/2020		5.0	1.0	ug/L
Benzene	MW-35	10/17/2016		1.1	1.0	ug/L
Benzene	MW-35	10/16/2017		1.3	1.0	ug/L
Benzene	MW-35	4/24/2018		1.4	1.0	ug/L
Chloroethane	MW-35	10/14/2010		4.7	1.0	ug/L
Chloroethane	MW-35	4/08/2011		6.8	1.0	ug/L
Chloroethane	MW-35	10/18/2011		1.9	1.0	ug/L
Chloroethane	MW-35	4/18/2012		1.1	1.0	ug/L
Chloroethane	MW-35	10/16/2012		1.0	1.0	ug/L
Chloroethane	MW-35	10/17/2016		28.2	1.0	ug/L
Chloroethane	MW-35	4/21/2017		21.8	1.0	ug/L
Chloroethane	MW-35	10/16/2017		16.7	1.0	ug/L
Chloroethane	MW-35	4/24/2018		28.9	1.0	ug/L
Chloroethane	MW-35	4/15/2019		11.2	1.0	ug/L
Chloroethane	MW-35	10/07/2019		16.8	1.0	ug/L
Chloroethane	MW-35	4/22/2020		10.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	10/14/2010		4.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	4/08/2011		13.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	10/18/2011		3.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	4/18/2012		2.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	10/16/2012		1.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	10/17/2016		9.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	4/21/2017		6.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	10/16/2017		9.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	4/24/2018		13.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	10/25/2018		4.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	4/15/2019		5.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	10/07/2019		4.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	4/22/2020		3.2	1.0	ug/L
Vinyl chloride	MW-35	10/17/2016		1.8	1.0	ug/L
Vinyl chloride	MW-35	4/21/2017		1.2	1.0	ug/L
Vinyl chloride	MW-35	4/24/2018		2.1	1.0	ug/L
1,1-dichloroethane	MW-35R	10/01/2020		5.1	1.0	ug/L
1,1-dichloroethane	MW-35R	4/08/2021		4.9	1.0	ug/L
1,1-dichloroethane	MW-35R	10/29/2021		1.4	1.0	ug/L
1,1-dichloroethane	MW-35R	4/25/2022		2.0	1.0	ug/L
1,1-dichloroethane	MW-35R	4/10/2023		3.1	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-35R	10/17/2022		78	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-35R	1/05/2023		79	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-35R	4/10/2023		6	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-35R	10/27/2023		15	6	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chloroethane	MW-35R	10/01/2020		19.2	1.0	ug/L
Chloroethane	MW-35R	4/08/2021		11.7	1.0	ug/L
Chloroethane	MW-35R	10/29/2021		2.3	1.0	ug/L
Chloroethane	MW-35R	4/25/2022		5.8	1.0	ug/L
Chloroethane	MW-35R	10/17/2022		2.2	1.0	ug/L
Chloroethane	MW-35R	4/10/2023		2.7	1.0	ug/L
Chloroethane	MW-35R	10/27/2023		1.4	1.0	ug/L
Chloroethane	MW-35R	4/02/2024		2.1	1.0	ug/L
Chloroethane	MW-35R	4/15/2025		3.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35R	10/01/2020		4.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35R	4/08/2021		4.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35R	10/29/2021		1.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35R	4/25/2022		1.6	1.0	ug/L
Vinyl chloride	MW-35R	10/01/2020		1.1	1.0	ug/L
Acetone	MW-37	10/16/2017		18.6	10.0	ug/L
Acetone	MW-39	10/16/2017		11	10	ug/L
1,1-dichloroethane	MW-7	10/14/2010		13.5	1.0	ug/L
1,1-dichloroethane	MW-7	4/08/2011		13.3	1.0	ug/L
1,1-dichloroethane	MW-7	10/18/2011		6.5	1.0	ug/L
1,1-dichloroethane	MW-7	4/18/2012		6.7	1.0	ug/L
1,1-dichloroethane	MW-7	10/16/2012		1.5	1.0	ug/L
1,1-dichloroethane	MW-7	4/03/2013		2.5	1.0	ug/L
1,1-dichloroethane	MW-7	10/17/2016		1.7	1.0	ug/L
1,1-dichloroethane	MW-7	4/15/2019		2.9	1.0	ug/L
1,1-dichloroethane	MW-7	4/22/2020		1.7	1.0	ug/L
1,1-dichloroethane	MW-7	4/08/2021		1.2	1.0	ug/L
1,1-dichloroethane	MW-7	4/25/2022		1.0	1.0	ug/L
Benzene	MW-7	4/08/2011		2.4	1.0	ug/L
Benzene	MW-7	10/18/2011		1.3	1.0	ug/L
Benzene	MW-7	4/18/2012		1.8	1.0	ug/L
Benzene	MW-7	4/03/2013		1.1	1.0	ug/L
Benzene	MW-7	4/25/2022		1.4	1.0	ug/L
Benzene	MW-7	4/15/2025		1.2	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-7	4/18/2012		15	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-7	10/17/2022		9	6	ug/L
Chloroethane	MW-7	10/14/2010		30.3	1.0	ug/L
Chloroethane	MW-7	4/08/2011		41.4	1.0	ug/L
Chloroethane	MW-7	10/18/2011		19.0	1.0	ug/L
Chloroethane	MW-7	4/18/2012		21.0	1.0	ug/L
Chloroethane	MW-7	10/16/2012		5.8	1.0	ug/L
Chloroethane	MW-7	4/03/2013		11.6	1.0	ug/L
Chloroethane	MW-7	10/09/2013		3.6	1.0	ug/L
Chloroethane	MW-7	4/16/2014		4.1	1.0	ug/L
Chloroethane	MW-7	10/23/2014		2.0	1.0	ug/L
Chloroethane	MW-7	11/05/2015		4.4	1.0	ug/L
Chloroethane	MW-7	4/21/2016		1.0	1.0	ug/L
Chloroethane	MW-7	10/17/2016		13.5	1.0	ug/L
Chloroethane	MW-7	4/21/2017		3.9	1.0	ug/L
Chloroethane	MW-7	10/16/2017		4.4	1.0	ug/L
Chloroethane	MW-7	4/15/2019		8.0	1.0	ug/L
Chloroethane	MW-7	4/22/2020		5.1	1.0	ug/L
Chloroethane	MW-7	10/01/2020		3.7	1.0	ug/L
Chloroethane	MW-7	4/08/2021		6.8	1.0	ug/L
Chloroethane	MW-7	4/25/2022		6.5	1.0	ug/L
Chloroethane	MW-7	10/17/2022		2.6	1.0	ug/L
Chloroethane	MW-7	4/10/2023		3.8	1.0	ug/L
Chloroethane	MW-7	10/27/2023		1.6	1.0	ug/L
Chloroethane	MW-7	10/10/2024		1.7	1.0	ug/L
Chloroethane	MW-7	4/15/2025		4.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	10/14/2010		9.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	4/08/2011		14.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	10/18/2011		5.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	4/18/2012		9.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	10/16/2012		1.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	4/03/2013		3.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	4/16/2014		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	10/17/2016		1.0	1.0	ug/L
Dichlorodifluoromethane	MW-7	4/18/2012		1	1	ug/L
Vinyl chloride	MW-7	10/14/2010		2.1	1.0	ug/L
Vinyl chloride	MW-7	4/08/2011		3.0	1.0	ug/L
Vinyl chloride	MW-7	10/18/2011		1.4	1.0	ug/L
Vinyl chloride	MW-7	4/18/2012		1.6	1.0	ug/L
Vinyl chloride	MW-7	10/17/2016		1.9	1.0	ug/L
Chloroethane	MW-7A	5/14/2013		3.6	1.0	ug/L
1,1-dichloroethane	MW-9	10/16/2017		1.2	1.0	ug/L
1,1-dichloroethane	MW-9	10/27/2023		1.2	1.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,2-dichloroethane	MW-9	10/05/1993		5.8	1.0	ug/L
1,2-dichloroethane	MW-9	1/13/1994		8.3	1.0	ug/L
1,2-dichloroethane	MW-9	4/23/1994		6.2	1.0	ug/L
1,2-dichloroethane	MW-9	7/13/1994		5.4	1.0	ug/L
1,2-dichloroethane	MW-9	4/13/1995		1.4	1.0	ug/L
1,2-dichloroethane	MW-9	10/04/1995		1.4	1.0	ug/L
1,2-dichloroethane	MW-9	4/30/1996		1.4	1.0	ug/L
Benzene	MW-9	10/05/1993		1.1	1.0	ug/L
Benzene	MW-9	1/13/1994		1.3	1.0	ug/L
Benzene	MW-9	4/23/1994		1.3	1.0	ug/L
Benzene	MW-9	7/13/1994		1.2	1.0	ug/L
Benzene	MW-9	10/04/1995		2.2	1.0	ug/L
Benzene	MW-9	4/30/1996		2.2	1.0	ug/L
Benzene	MW-9	10/17/2022		1.0	1.0	ug/L
Chloroethane	MW-9	10/14/2010		1.4	1.0	ug/L
Chloroethane	MW-9	10/18/2011		1.1	1.0	ug/L
Chloroethane	MW-9	10/17/2016		1.0	1.0	ug/L
Chloroethane	MW-9	10/16/2017		2.0	1.0	ug/L
Chloroethane	MW-9	10/07/2019		2.0	1.0	ug/L
Chloroethane	MW-9	10/01/2020		1.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-9	10/04/1995		15.1	2.0	ug/L
Cis-1,2-dichloroethylene	MW-9	4/30/1996		15.1	2.0	ug/L
Cis-1,2-dichloroethylene	MW-9	4/28/1998		5.7	2.0	ug/L
Cis-1,2-dichloroethylene	MW-9	10/29/1998		8.9	2.0	ug/L
1,1-dichloroethane	TILE ACM-1	10/25/2018		3.6	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	4/15/2019		3.8	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	10/07/2019		4.7	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	4/22/2020		14.4	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	10/29/2021		2.9	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	4/25/2022		2.9	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	4/10/2023		4.8	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	4/02/2024		1.6	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	4/15/2025		3.4	1.0	ug/L
1,4-dichlorobenzene	TILE ACM-1	4/15/2019		3.6	1.0	ug/L
1,4-dichlorobenzene	TILE ACM-1	10/07/2019		3.3	1.0	ug/L
1,4-dichlorobenzene	TILE ACM-1	4/25/2022		1.1	1.0	ug/L
1,4-dichlorobenzene	TILE ACM-1	4/10/2023		1.8	1.0	ug/L
1,4-dichlorobenzene	TILE ACM-1	4/15/2025		1.6	1.0	ug/L
Benzene	TILE ACM-1	4/15/2019		2.0	1.0	ug/L
Benzene	TILE ACM-1	10/07/2019		1.3	1.0	ug/L
Benzene	TILE ACM-1	4/22/2020		2.0	1.0	ug/L
Benzene	TILE ACM-1	4/25/2022		1.8	1.0	ug/L
Benzene	TILE ACM-1	4/10/2023		1.6	1.0	ug/L
Benzene	TILE ACM-1	4/15/2025		1.6	1.0	ug/L
Chlorobenzene	TILE ACM-1	10/25/2018		16.6	1.0	ug/L
Chlorobenzene	TILE ACM-1	4/15/2019		13.8	1.0	ug/L
Chlorobenzene	TILE ACM-1	10/07/2019		7.4	1.0	ug/L
Chlorobenzene	TILE ACM-1	4/22/2020		4.6	1.0	ug/L
Chlorobenzene	TILE ACM-1	4/25/2022		7.9	1.0	ug/L
Chlorobenzene	TILE ACM-1	4/10/2023		7.8	1.0	ug/L
Chlorobenzene	TILE ACM-1	4/02/2024		3.7	1.0	ug/L
Chlorobenzene	TILE ACM-1	4/15/2025		11.5	1.0	ug/L
Chloroethane	TILE ACM-1	10/25/2018		5.8	1.0	ug/L
Chloroethane	TILE ACM-1	4/15/2019		5.0	1.0	ug/L
Chloroethane	TILE ACM-1	10/07/2019		9.8	1.0	ug/L
Chloroethane	TILE ACM-1	4/22/2020		12.2	1.0	ug/L
Chloroethane	TILE ACM-1	10/29/2021		2.6	1.0	ug/L
Chloroethane	TILE ACM-1	4/25/2022		3.7	1.0	ug/L
Chloroethane	TILE ACM-1	4/10/2023		5.1	1.0	ug/L
Chloroethane	TILE ACM-1	4/02/2024		2.3	1.0	ug/L
Chloroethane	TILE ACM-1	4/15/2025		5.5	1.0	ug/L
Cis-1,2-dichloroethylene	TILE ACM-1	10/25/2018		3.0	1.0	ug/L
Cis-1,2-dichloroethylene	TILE ACM-1	4/15/2019		2.8	1.0	ug/L
Cis-1,2-dichloroethylene	TILE ACM-1	10/07/2019		4.2	1.0	ug/L
Cis-1,2-dichloroethylene	TILE ACM-1	4/22/2020		6.3	1.0	ug/L
Cis-1,2-dichloroethylene	TILE ACM-1	4/25/2022		1.3	1.0	ug/L
Cis-1,2-dichloroethylene	TILE ACM-1	4/10/2023		2.0	1.0	ug/L
Cis-1,2-dichloroethylene	TILE ACM-1	4/15/2025		2.1	1.0	ug/L
Ethylbenzene	TILE ACM-1	10/07/2019		1.9	1.0	ug/L
Ethylbenzene	TILE ACM-1	4/25/2022		1.6	1.0	ug/L
Toluene	TILE ACM-1	10/07/2019		1.7	1.0	ug/L
Vinyl chloride	TILE ACM-1	10/07/2019		2.0	1.0	ug/L
Vinyl chloride	TILE ACM-1	4/22/2020		1.8	1.0	ug/L
Vinyl chloride	TILE ACM-1	4/10/2023		1.0	1.0	ug/L
Vinyl chloride	TILE ACM-1	4/15/2025		1.2	1.0	ug/L
Xylenes, total	TILE ACM-1	4/25/2022		2.4	2.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Attachment E

Assessment Statistics for VOCs

Table 1

**Confidence Intervals for Comparing the Mean of the Last
4 Measurements to an Assessment Monitoring Standard**

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
1,1-dichloroethane	ug/L	MW-13R	4	0.500	0.000	1.176	0.500	0.500	140.000	inc
1,4-dichlorobenzene	ug/L	MW-13R	4	1.275	0.359	1.176	0.852	1.698	75.000	
Benzene	ug/L	MW-13R	4	2.275	0.888	1.176	1.230	3.320	5.000	
Chlorobenzene	ug/L	MW-13R	4	35.225	6.867	1.176	27.147	43.303	100.000	
Chloroethane	ug/L	MW-13R	4	0.500	0.000	1.176	0.500	0.500	2800.000	
Cis-1,2-dichloroethylene	ug/L	MW-13R	4	0.625	0.250	1.176	0.331	0.919	70.000	
Ethylbenzene	ug/L	MW-13R	4	0.500	0.000	1.176	0.500	0.500	700.000	
Trans-1,2-dichloroethylene	ug/L	MW-13R	4	0.500	0.000	1.176	0.500	0.500	100.000	
1,1-dichloroethane	ug/L	MW-14	4	0.500	0.000	1.176	0.500	0.500	140.000	
1,4-dichlorobenzene	ug/L	MW-14	4	2.450	1.396	1.176	0.807	4.093	75.000	
Benzene	ug/L	MW-14	4	1.475	0.877	1.176	0.443	2.507	5.000	
Chlorobenzene	ug/L	MW-14	4	0.800	0.356	1.176	0.381	1.219	100.000	
Chloroethane	ug/L	MW-14	4	1.350	0.645	1.176	0.591	2.109	2800.000	
Cis-1,2-dichloroethylene	ug/L	MW-14	4	0.500	0.000	1.176	0.500	0.500	70.000	
Ethylbenzene	ug/L	MW-14	4	0.500	0.000	1.176	0.500	0.500	700.000	
Trans-1,2-dichloroethylene	ug/L	MW-14	4	0.500	0.000	1.176	0.500	0.500	100.000	
1,1-dichloroethane	ug/L	MW-211	4	0.500	0.000	1.176	0.500	0.500	140.000	dec
1,4-dichlorobenzene	ug/L	MW-211	4	0.500	0.000	1.176	0.500	0.500	75.000	
Benzene	ug/L	MW-211	4	0.950	0.545	1.176	0.309	1.591	5.000	
Chlorobenzene	ug/L	MW-211	4	3.775	1.394	1.176	2.136	5.414	100.000	
Chloroethane	ug/L	MW-211	4	0.650	0.300	1.176	0.297	1.003	2800.000	
Cis-1,2-dichloroethylene	ug/L	MW-211	4	0.500	0.000	1.176	0.500	0.500	70.000	
Ethylbenzene	ug/L	MW-211	4	0.500	0.000	1.176	0.500	0.500	700.000	
Trans-1,2-dichloroethylene	ug/L	MW-211	4	0.500	0.000	1.176	0.500	0.500	100.000	
1,1-dichloroethane	ug/L	MW-31R	4	3.000	0.258	1.176	2.696	3.304	140.000	inc
1,4-dichlorobenzene	ug/L	MW-31R	4	15.800	1.049	1.176	14.566	17.034	75.000	
Benzene	ug/L	MW-31R	4	1.775	0.499	1.176	1.188	2.362	5.000	inc
Chlorobenzene	ug/L	MW-31R	4	22.000	3.134	1.176	18.314	25.686	100.000	
Chloroethane	ug/L	MW-31R	4	3.275	0.457	1.176	2.737	3.813	2800.000	dec
Cis-1,2-dichloroethylene	ug/L	MW-31R	4	16.825	2.480	1.176	13.908	19.742	70.000	
Ethylbenzene	ug/L	MW-31R	4	1.200	1.092	1.176	0.000	2.485	700.000	dec
Trans-1,2-dichloroethylene	ug/L	MW-31R	4	2.075	0.386	1.176	1.621	2.529	100.000	
1,1-dichloroethane	ug/L	MW-35R	4	1.150	1.300	1.176	0.000	2.679	140.000	
1,4-dichlorobenzene	ug/L	MW-35R	4	0.500	0.000	1.176	0.500	0.500	75.000	
Benzene	ug/L	MW-35R	4	0.500	0.000	1.176	0.500	0.500	5.000	
Chlorobenzene	ug/L	MW-35R	4	0.500	0.000	1.176	0.500	0.500	100.000	
Chloroethane	ug/L	MW-35R	4	2.350	0.777	1.176	1.436	3.264	2800.000	
Cis-1,2-dichloroethylene	ug/L	MW-35R	4	0.500	0.000	1.176	0.500	0.500	70.000	
Ethylbenzene	ug/L	MW-35R	4	0.500	0.000	1.176	0.500	0.500	700.000	
Trans-1,2-dichloroethylene	ug/L	MW-35R	4	0.500	0.000	1.176	0.500	0.500	100.000	
1,1-dichloroethane	ug/L	MW-7	4	0.500	0.000	1.176	0.500	0.500	140.000	
1,4-dichlorobenzene	ug/L	MW-7	4	0.500	0.000	1.176	0.500	0.500	75.000	
Benzene	ug/L	MW-7	4	0.675	0.350	1.176	0.263	1.087	5.000	
Chlorobenzene	ug/L	MW-7	4	0.500	0.000	1.176	0.500	0.500	100.000	
Chloroethane	ug/L	MW-7	4	2.075	1.706	1.176	0.069	4.081	2800.000	
Cis-1,2-dichloroethylene	ug/L	MW-7	4	0.500	0.000	1.176	0.500	0.500	70.000	
Ethylbenzene	ug/L	MW-7	4	0.500	0.000	1.176	0.500	0.500	700.000	
Trans-1,2-dichloroethylene	ug/L	MW-7	4	0.500	0.000	1.176	0.500	0.500	100.000	
1,1-dichloroethane	ug/L	MW-9	4	0.675	0.350	1.176	0.263	1.087	140.000	
1,4-dichlorobenzene	ug/L	MW-9	4	0.500	0.000	1.176	0.500	0.500	75.000	
Benzene	ug/L	MW-9	4	0.500	0.000	1.176	0.500	0.500	5.000	
Chlorobenzene	ug/L	MW-9	4	0.500	0.000	1.176	0.500	0.500	100.000	
Chloroethane	ug/L	MW-9	4	0.500	0.000	1.176	0.500	0.500	2800.000	
Cis-1,2-dichloroethylene	ug/L	MW-9	4	0.500	0.000	1.176	0.500	0.500	70.000	
Ethylbenzene	ug/L	MW-9	4	0.500	0.000	1.176	0.500	0.500	700.000	
Trans-1,2-dichloroethylene	ug/L	MW-9	4	0.500	0.000	1.176	0.500	0.500	100.000	

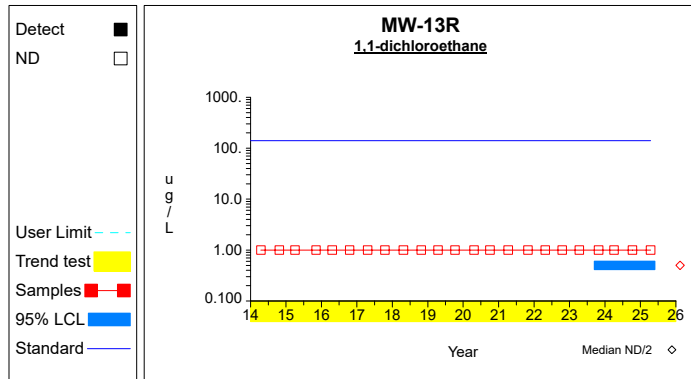
* - Insufficient Data

** - Significant Exceedance

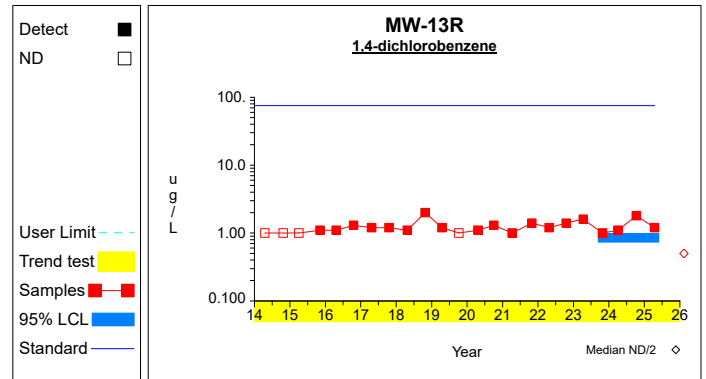
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

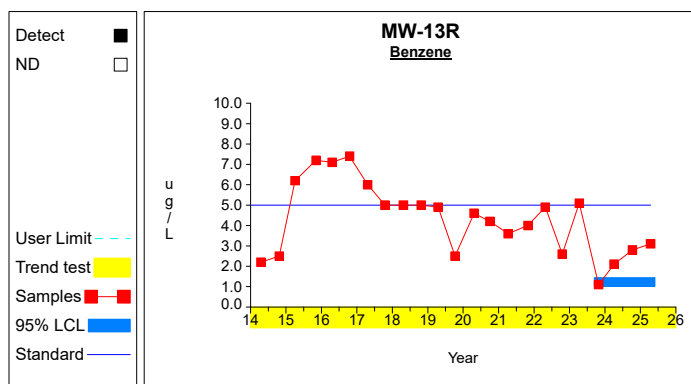
Confidence Limits (Assessment)



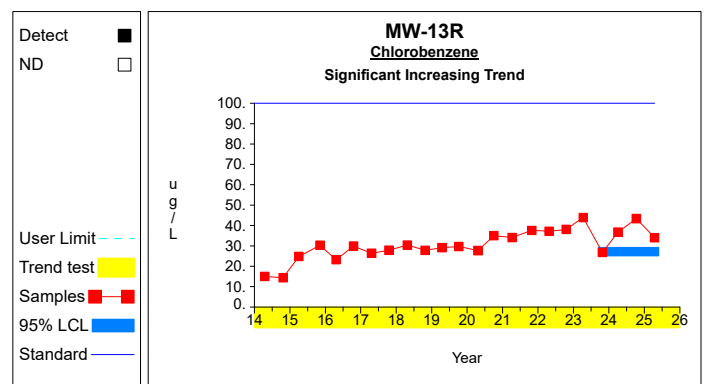
Graph 1



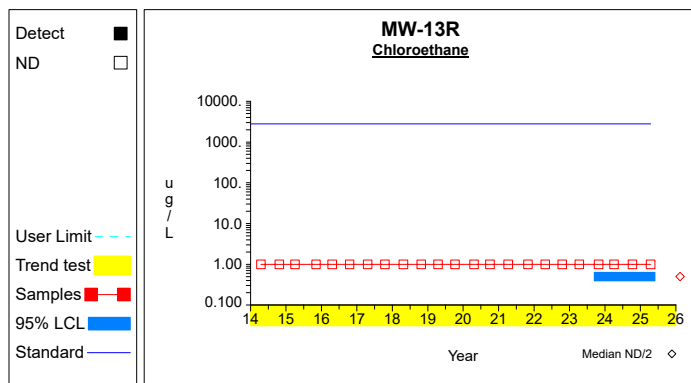
Graph 2



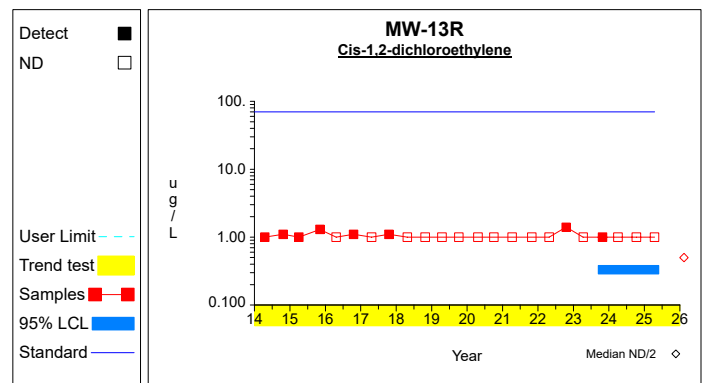
Graph 3



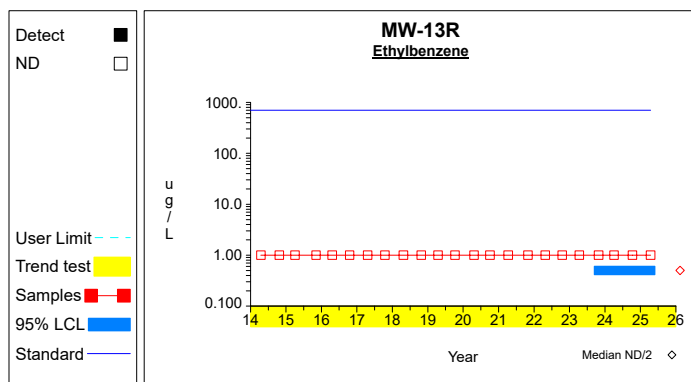
Graph 4



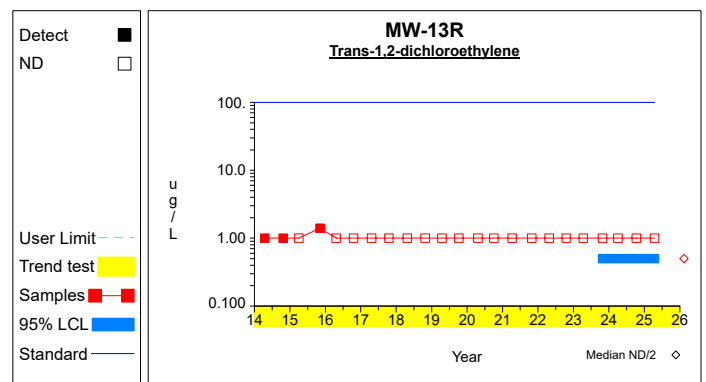
Graph 5



Graph 6

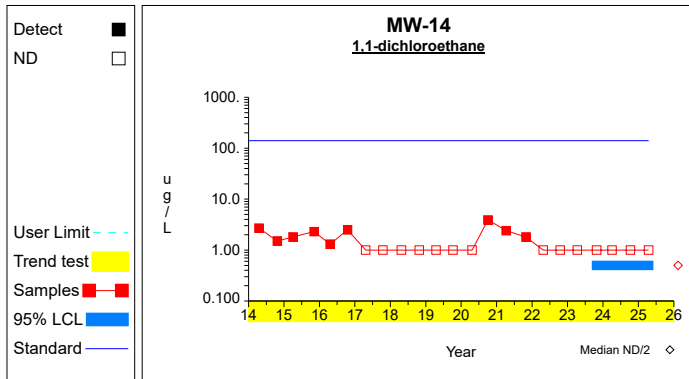


Graph 7

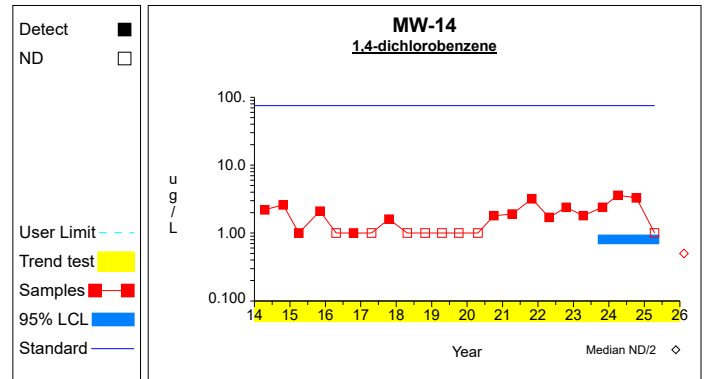


Graph 8

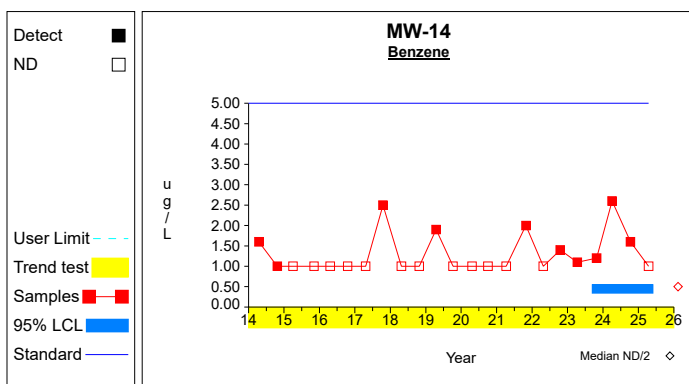
Confidence Limits (Assessment)



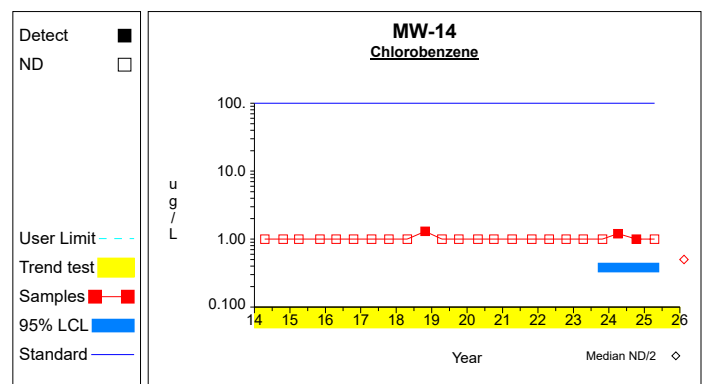
Graph 9



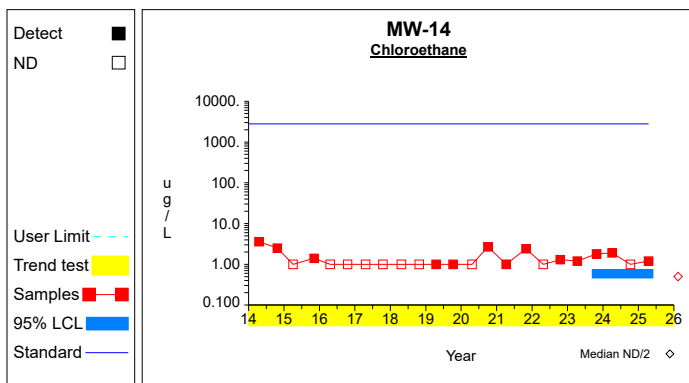
Graph 10



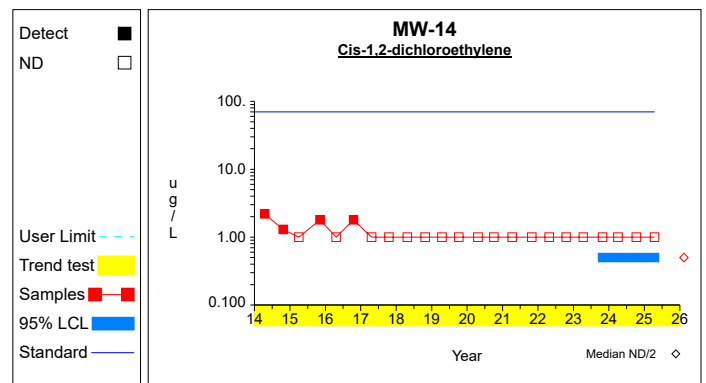
Graph 11



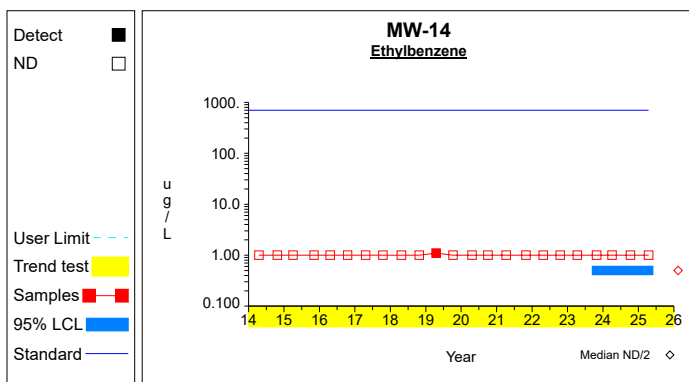
Graph 12



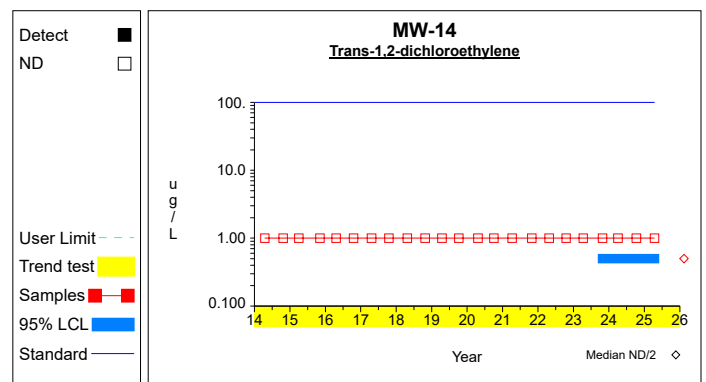
Graph 13



Graph 14

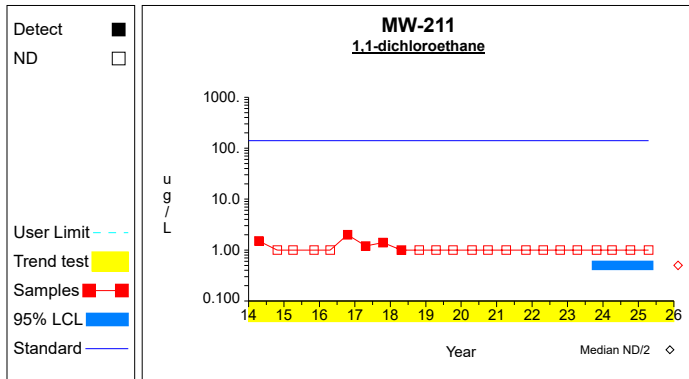


Graph 15

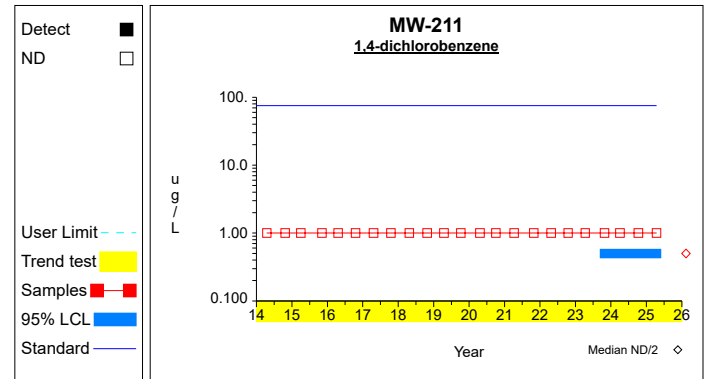


Graph 16

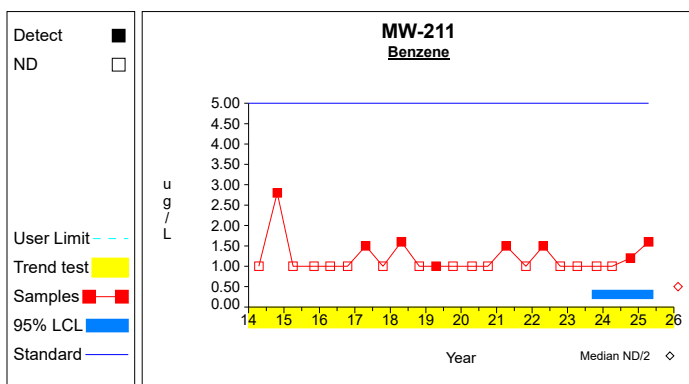
Confidence Limits (Assessment)



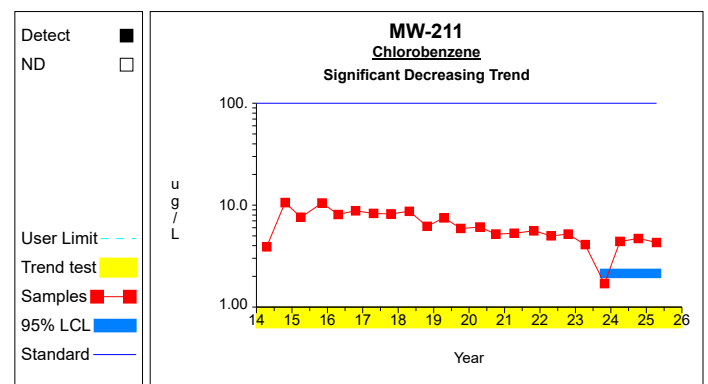
Graph 17



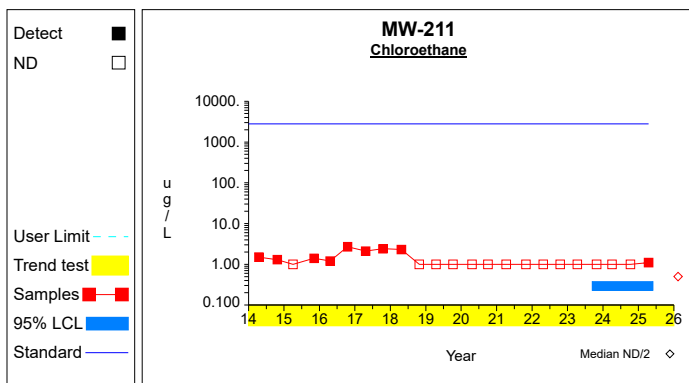
Graph 18



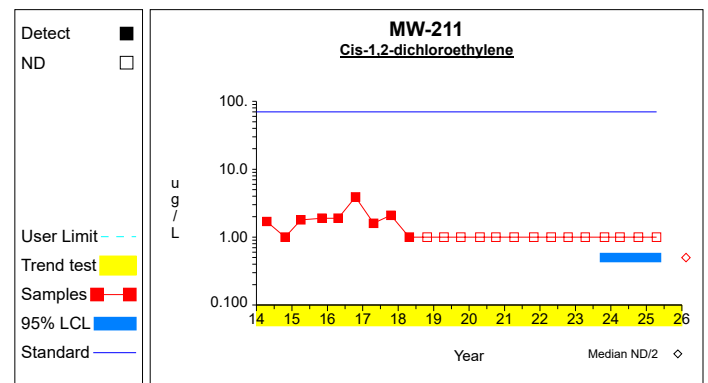
Graph 19



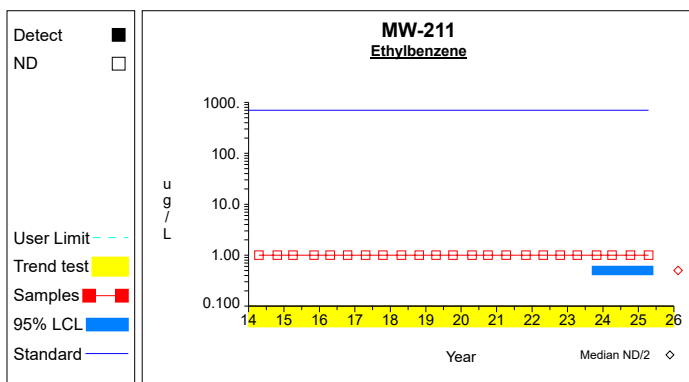
Graph 20



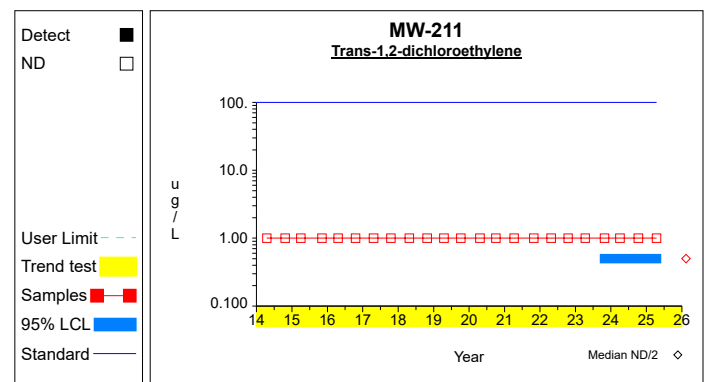
Graph 21



Graph 22

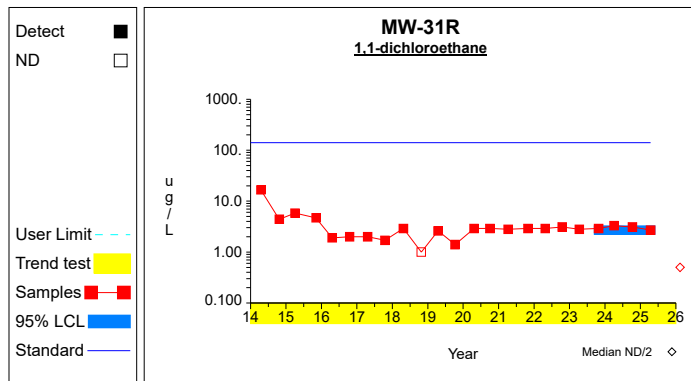


Graph 23

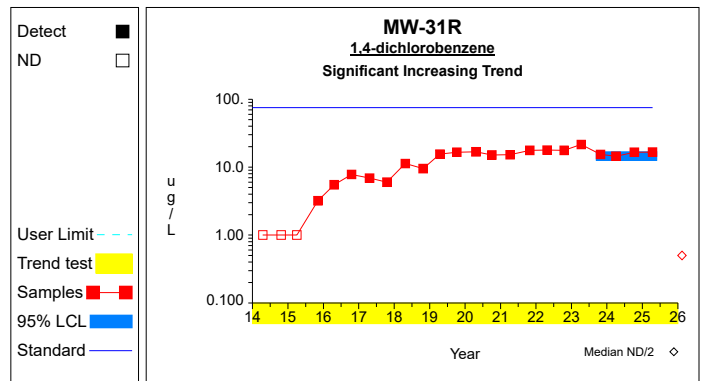


Graph 24

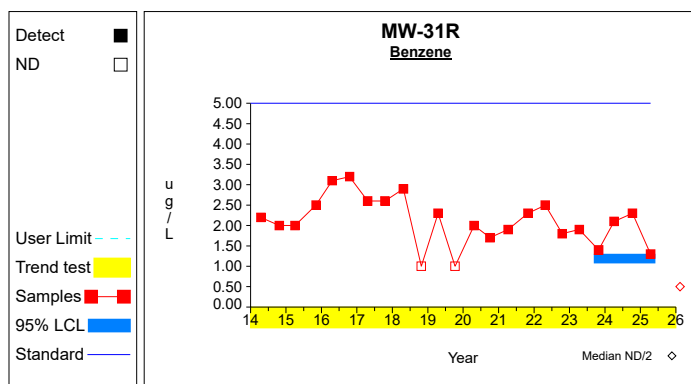
Confidence Limits (Assessment)



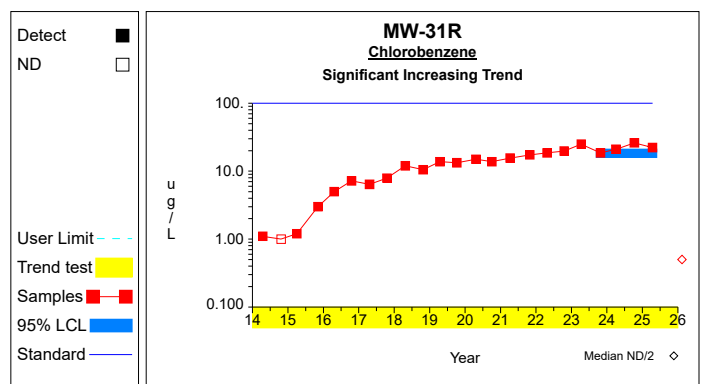
Graph 25



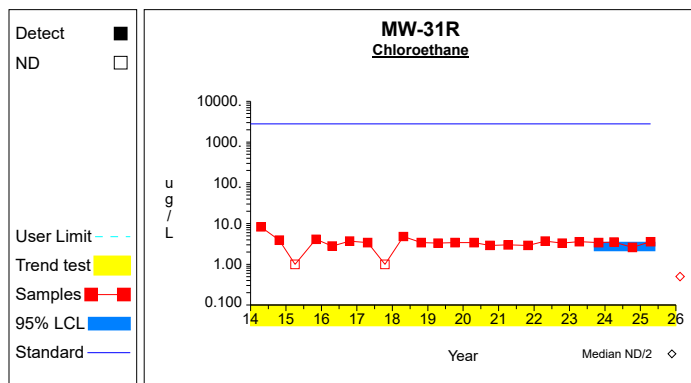
Graph 26



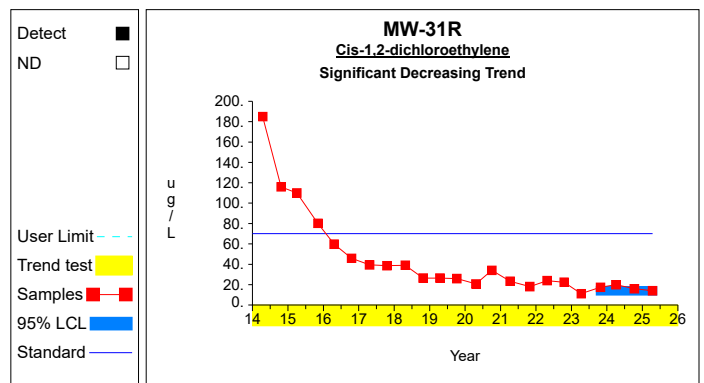
Graph 27



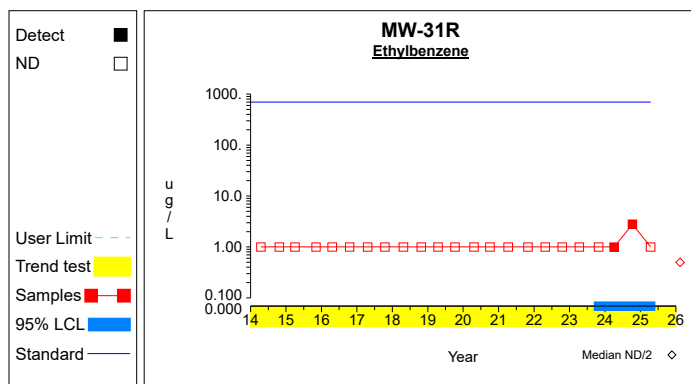
Graph 28



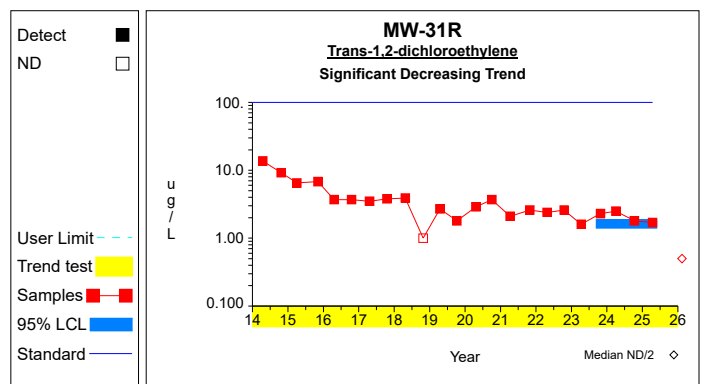
Graph 29



Graph 30

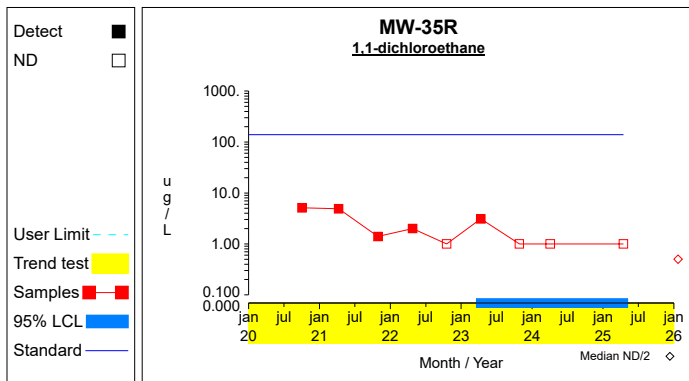


Graph 31

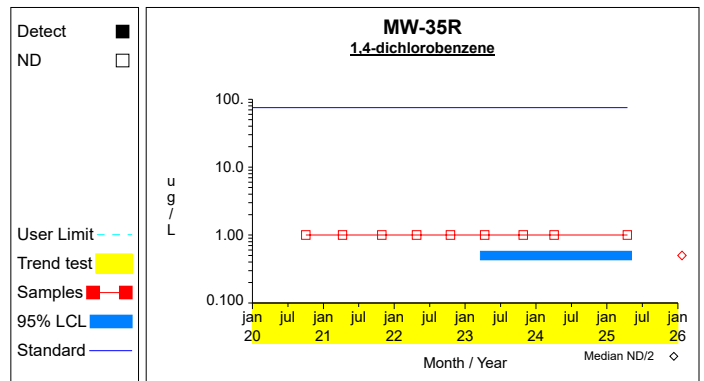


Graph 32

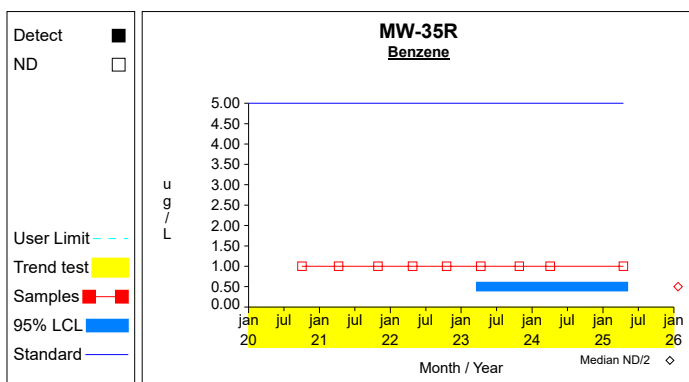
Confidence Limits (Assessment)



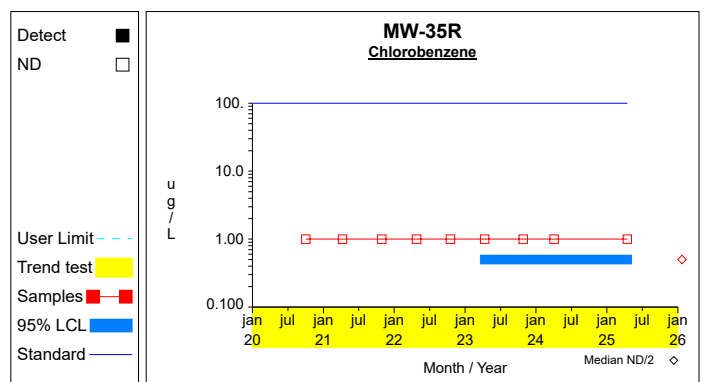
Graph 33



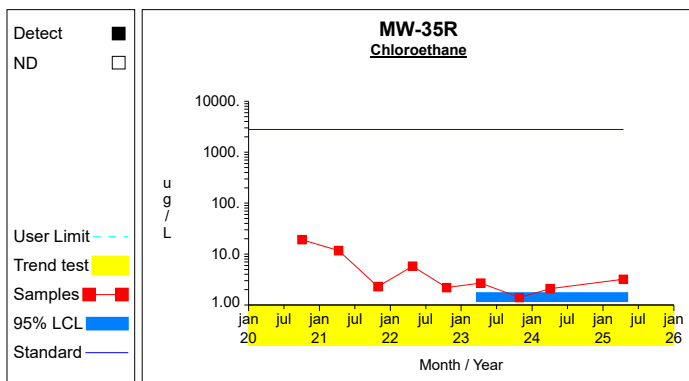
Graph 34



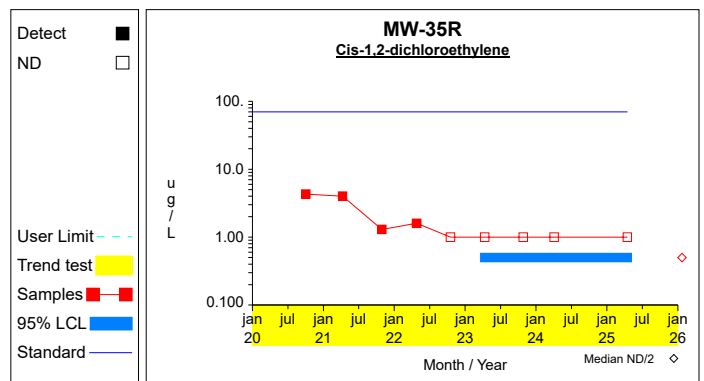
Graph 35



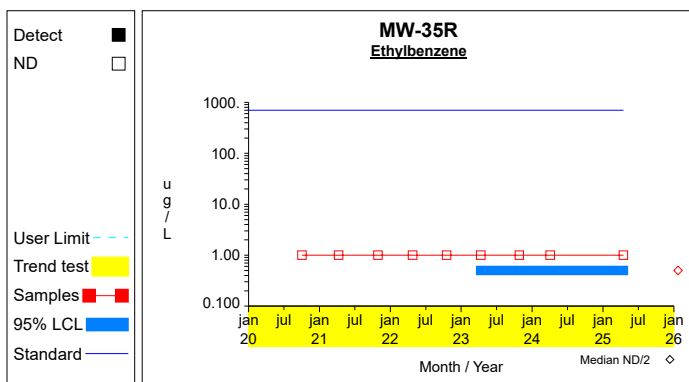
Graph 36



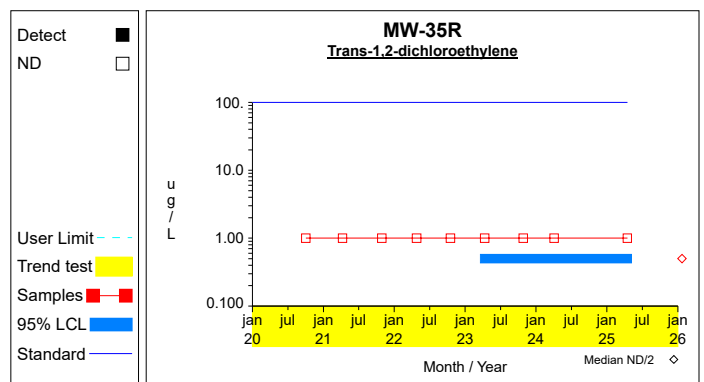
Graph 37



Graph 38

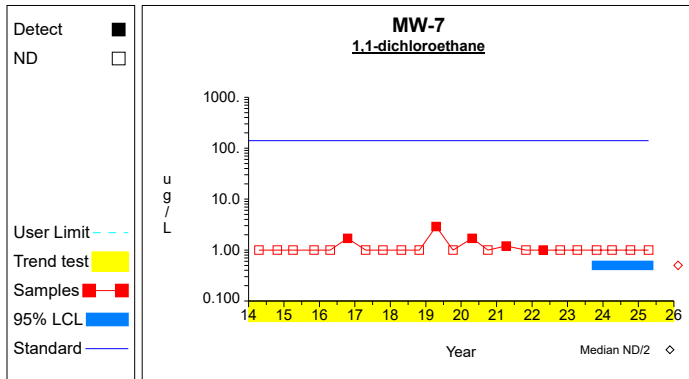


Graph 39

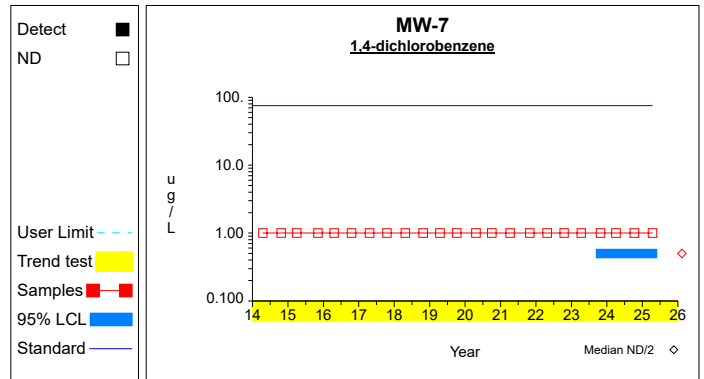


Graph 40

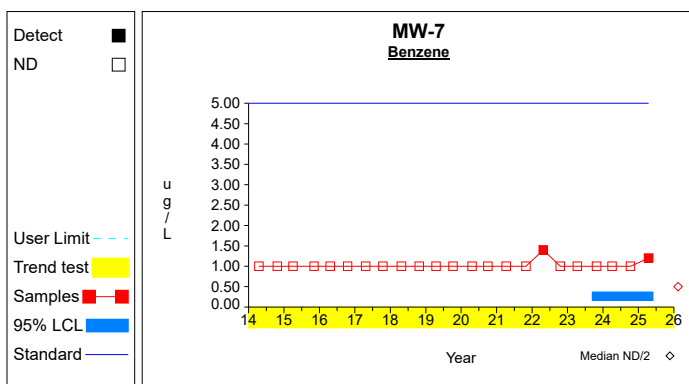
Confidence Limits (Assessment)



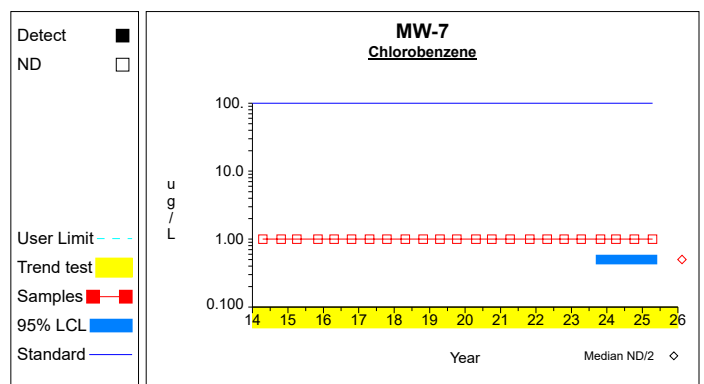
Graph 41



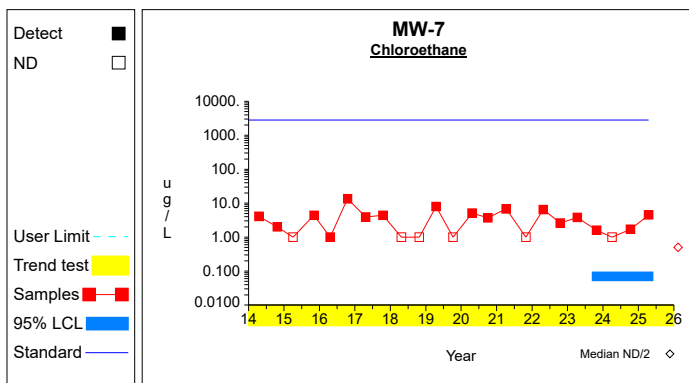
Graph 42



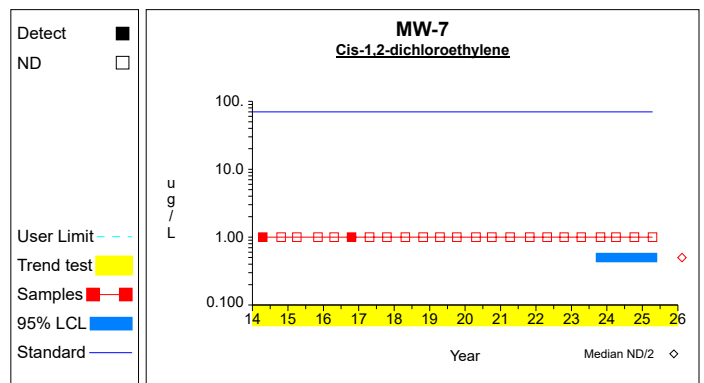
Graph 43



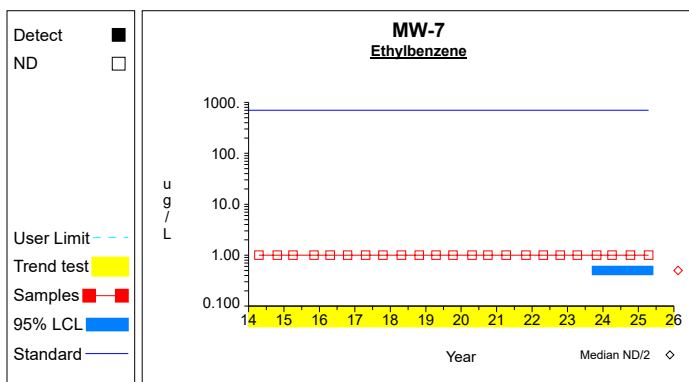
Graph 44



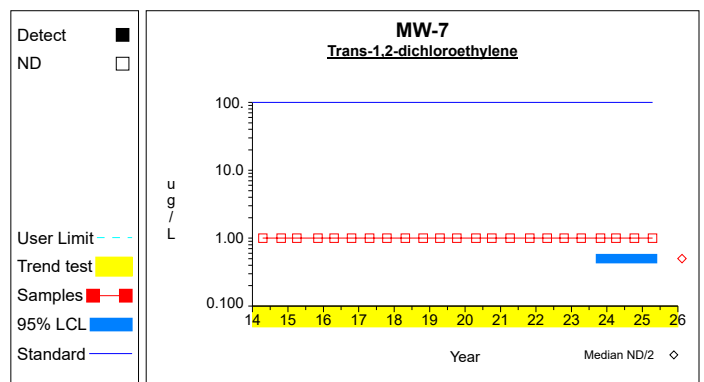
Graph 45



Graph 46

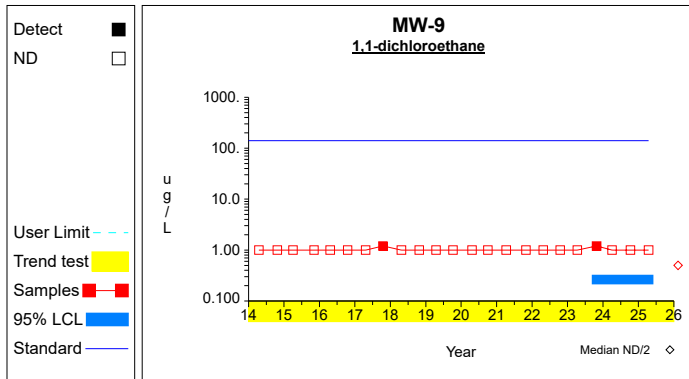


Graph 47

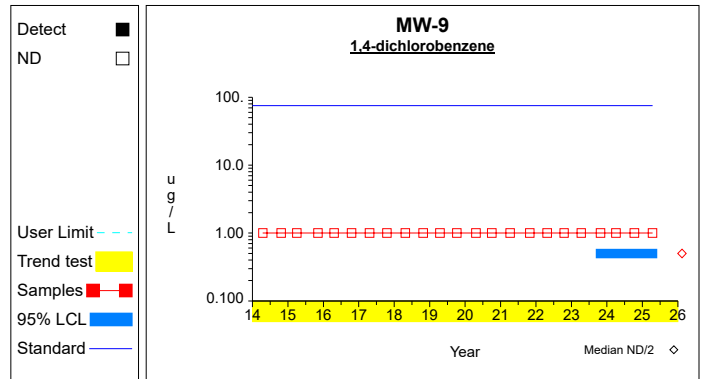


Graph 48

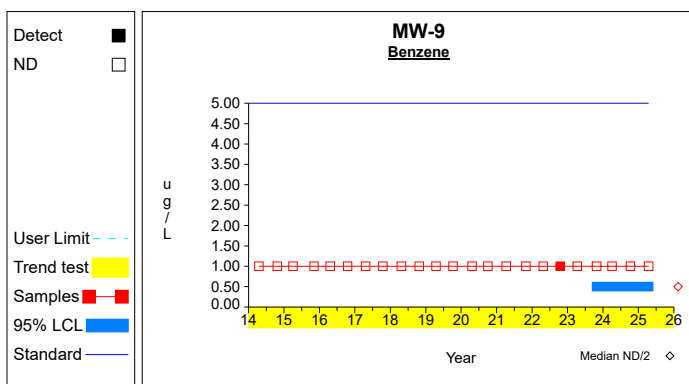
Confidence Limits (Assessment)



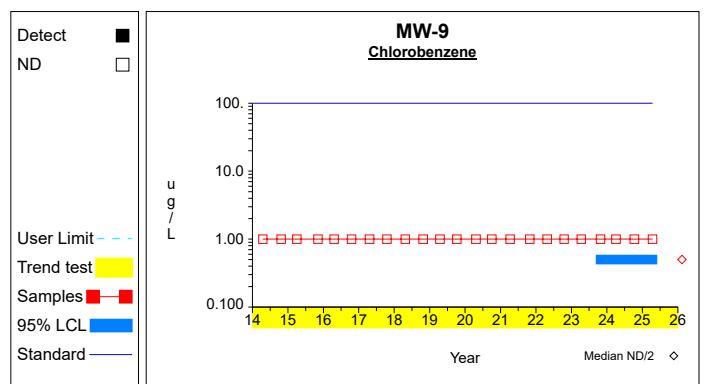
Graph 49



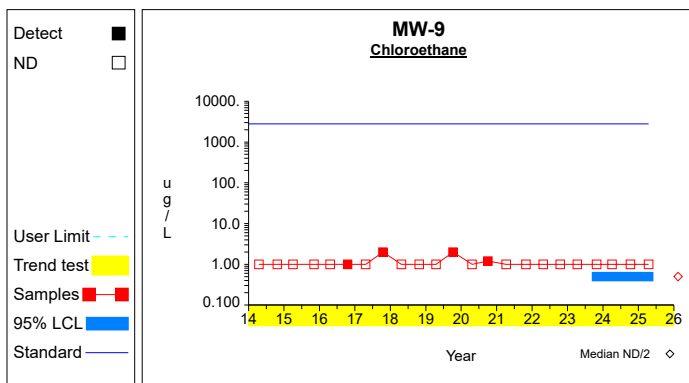
Graph 50



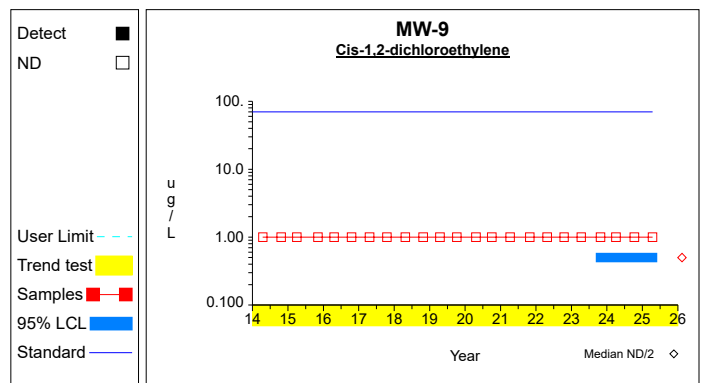
Graph 51



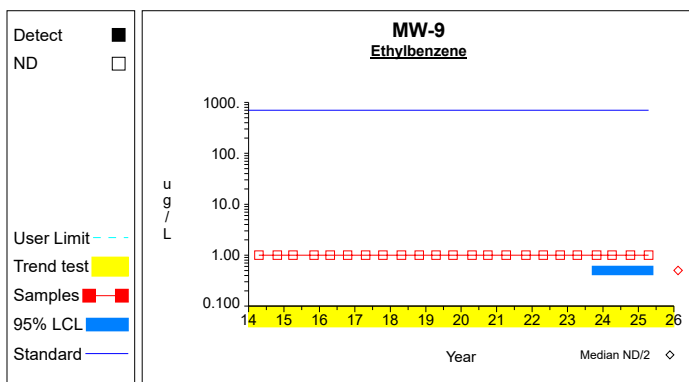
Graph 52



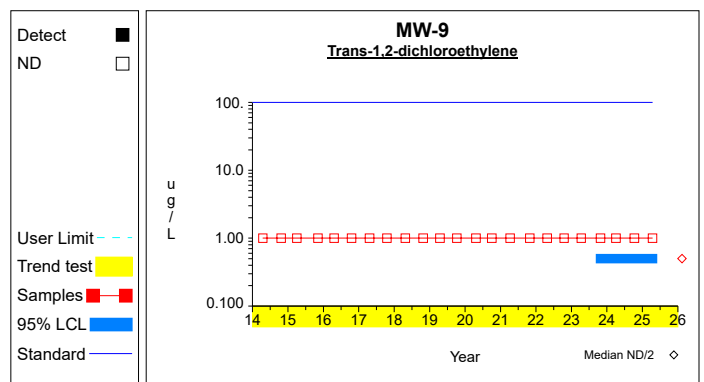
Graph 53



Graph 54



Graph 55



Graph 56

APPENDIX B.2 –Fall Statistical Evaluation

GROUND WATER STATISTICS
FOR THE
RURAL IOWA SANITARY LANDFILL

Second Semi-Annual Monitoring Event in 2025

Prepared for:
Rural Iowa Waste Management Association
20488 M Avenue
Eldora, Hardin County, IA

Prepared by:
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Elgin, IL
(847) 464-1355

October 2025

INTRODUCTION

This report summarizes the results of the statistical analysis used to evaluate the ground water quality data obtained during the second semi-annual monitoring event in 2025 at the Rural Iowa Sanitary Landfill near Eldora in Hardin County, Iowa. The statistical plan was designed to detect a release from the facility at the earliest indication so that it is protective of human health and the environment. The interwell methodology is described and then applied to the Rural Iowa Sanitary Landfill data. The statistical plan conforms with IAC 567, Chapter 113.10 and the USEPA Unified Guidance document (“*Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities*”, March 2009).

Ground Water Monitoring Program

The groundwater monitoring network for the Rural Iowa Sanitary Landfill includes sample points MW-36 (upgradient), MW-37 (upgradient), MW-39 (upgradient), MW-40 (upgradient), MW-47 (upgradient), GWD-1, GWD-2, MW-48A, MW-49A, MW-50, and MW-51. Each of the groundwater monitoring wells is to be sampled at least semiannually and analyzed for the detection monitoring parameters listed in 113.10(5), which includes 15 inorganic constituents and 47 organic compounds, summarized in Table 1 below.

Table 1: Detection monitoring constituents listed in Appendix I of IAC 567, Chapter 113.

Organic Compounds:

Acetone	<i>trans</i> -1,4-Dichloro-2-butene	Iodomethane
Acrylonitrile	1,1-Dichloroethane	4-Methyl-2-pentanone
Benzene	1,2-Dichloroethane	Styrene
Bromochloromethane	1,1-Dichloroethene	1,1,1,2-Tetrachloroethane
Bromodichloromethane	<i>cis</i> -1,2-Dichloroethene	1,1,2,2-Tetrachloroethane
Bromoform	<i>trans</i> -1,2-Dichloroethene	Tetrachloroethene
Carbon disulfide	1,2-Dichloropropane	Toluene
Carbon tetrachloride	<i>cis</i> -1,3-Dichloropropene	1,1,1-Trichloroethane
Chlorobenzene	<i>trans</i> -1,3-Dichloropropene	1,1,2-Trichloroethane
Chloroethane	Ethylbenzene	Trichloroethene
Chloroform	2-Hexanone	Trichlorofluoromethane
Dibromochloromethane	Bromomethane	1,2,3-Trichloropropane
1,2-Dibromo-3-chloropropane	Chloromethane	Vinyl acetate
1,2-Dibromoethane	Dibromomethane	Vinyl chloride
1,2-Dichlorobenzene	Methylene chloride	Xylenes (Total)
1,4-Dichlorobenzene	2-Butanone	

Inorganic constituents:

Antimony, Total	Chromium, Total	Selenium, Total
Arsenic, Total	Cobalt, Total	Silver, Total
Barium, Total	Copper, Total	Thallium, Total
Beryllium, Total	Lead, Total	Vanadium, Total
Cadmium, Total	Nickel, Total	Zinc, Total

Sample points MW-36, MW-37, MW-39, MW-40, MW-47, MW-48A, MW-49A, MW-50, and MW-51 were sampled on October 16, 2025 and analyzed for the constituents required by permit. The ground water

data obtained during the second semi-annual monitoring event in 2025 are summarized in Attachment A.

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

IAC 567, Chapter 113.10(4) provides several options for statistically evaluating the ground water data at those wells that monitor the open cells or contiguous MSWLF units. The preferred methods for comparing ground water data are using either prediction limits or using control charts. The interwell method was applied to the Rural Iowa Sanitary Landfill data using the DUMPStat® statistical program. Ground water statistics are to be done on the inorganic constituents listed. The organic constituents are compared to maximum contaminant levels (MCLs) or practical quantitation limits (PQLs), in lieu of statistical comparisons to historical concentrations.

Interwell Statistics: Upgradient versus Downgradient Comparisons

Interwell statistics are appropriate when the upgradient and downgradient wells monitor the same ground water formation and there is similar variability in the upgradient and downgradient zones. Site prediction limits are determined by pooling the historical ground water data from hydraulically upgradient wells. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances. The type of prediction limit utilized (e.g., parametric or nonparametric) is based on the detection frequency and the data distribution of each parameter in the background data. The distribution of the background data is tested for normality using the Shapiro-Wilk test (Gibbons, 1994 and USEPA 1992). If the constituent is normally distributed, a normal prediction limit is used. If normality is rejected by the Shapiro-Wilk test, the background data is transformed by taking the natural logarithm. The Shapiro-Wilk test is then reapplied on the transformed data. If it is not rejected, lognormal prediction limits are used. If after transforming the data, normality is still rejected, nonparametric prediction limits are used for that analyte. The nonparametric prediction limit is the largest determination in the background measurements. For constituents where the background detection frequency is greater than 0% but less than 50%, nonparametric prediction limits will be used. If the detection frequency is 0% after thirteen samples have been collected, the practical quantitation limit (PQL) becomes the nonparametric prediction limit.

Results of the Interwell Statistics

The background data used in this statistical analysis includes the ground water data collected from ground water wells MW-36, MW-37, MW-39, MW-40, and MW-47 during the period from October 2014 through the current data. A summary of the background data from monitoring wells MW-36, MW-37, MW-39, MW-40, and MW-47, used to determine the site prediction limits, is listed in Attachment B, Table 1 “Upgradient Data”. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances.

Table 2 “Most Current Downgradient Monitoring Data”, summarizes the current data from downgradient wells MW-48A, MW-49A, MW-50, and MW-51 compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks. For the data obtained during the second semi-annual monitoring event in 2025, the site prediction limit exceedances detected are summarized in the table below.

Trace Metal Prediction Limit Exceedances During the Second Semi-Annual Monitoring Event in 2025

Well	Trace Metal Detected	Result, µg/L	Prediction Limit, µg/L	Prediction Limit Type	Verified/ Awaiting Verification
MW-49A	Cobalt	14.8	12.4000	Nonparametric	Verified
	Nickel	45.7	31.6000	Nonparametric	Verified

The detection frequencies of the parameters in the up and down gradient monitoring wells are summarized in Table 3. Only barium was detected at a frequency greater than or equal to 50% in the upgradient wells so only this metal will be tested for normality. The remainder of the metals are rarely detected (less than 50%) in the upgradient wells so nonparametric prediction limits were used in those cases.

Table 4 summarizes the results of the Shapiro-Wilk test. Table 5 is a summary of the statistics and prediction limits determined for the metals. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

A statistical power curve indicates the expected false assessments for the site as a whole. The false positive rate for interwell analyses is the percentage of failures when the upgradient versus downgradient true mean difference equals zero. False negative rate indicates the chance of missing contamination at a single well for a single constituent. The statistical power is a function of the number of wells included, the number of constituents compared, the detection frequencies, and the data distributions involved. For interwell analysis, the site-wide false positive rate is 1% and the test becomes sensitive to 3 standard deviation unit increases over background.

The past verified trace metal exceedance was evaluated against the ground water protection standards (GWPS) using confidence limits calculated in accordance with the Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, USEPA, April 1989 (Attachment C). The analysis was conducted to evaluate whether verified concentrations are significantly above the water quality standard. The 95% lower confidence limit (LCL) for the mean of the historical data was used to evaluate whether the regulated unit is in compliance with the ground-water protection standards under 40 CFR 264 (e.g. whether the verified constituent is detected at a significant level above the GWPS). An exceedance is verified if the LCL is above the Regulatory GWPS.

The 95% LCL for arsenic at MW-48A (12.845 µg/L) exceeds the GWPS of 10 µg/L.

The 95% LCL for arsenic at MW-49A (29.546 µg/L) exceeds the GWPS of 10 µg/L.

The 95% LCL for cobalt at MW-49A (9.750 µg/L) exceeds the GWPS of 2.1 µg/L.

The 95% LCLs for the remainder of the metals exceedances are below the respective GWPS.

Volatile Organic Compounds

Volatile Organic Compounds (VOCs) are generally man-made compounds not present in ambient ground water. If VOCs are detected above their statistical limit (i.e., the laboratory PQL or reporting limit), a verification resample will be conducted at the next scheduled sampling event. A statistical exceedance will be indicated if the VOC detection is confirmed by the subsequent monitoring. The VOCs detected in the

ground water at Rural Iowa Sanitary Landfill during the second semi-annual monitoring event in 2025 are summarized below.

Organic compounds detected during the second semi-annual monitoring event in 2025

Well	VOC Detected	Result, µg/L	Reporting Limit, µg/L	Verified/ Awaiting Verification	Groundwater Standard, µg/L
MW-49A	Benzene	5.4	1	Verified	5 ^a
	Carbon disulfide	1.7	1	Awaiting Verification	700 ^b
	Chloroethane	4.0	1	Verified	2800 ^b
	<i>cis</i> -1,2-Dichloroethene	4.5	1	Verified	70 ^a
	Vinyl chloride	6.3	1	Verified	2 ^a

a - USEPA MCL

b – Iowa Statewide Standard

Historical VOC detections are summarized in Attachment D. The verified VOC detections were evaluated against the GWPS using confidence limits. The 95% lower confidence limit (LCL) for the mean of the historical data was used to evaluate whether the regulated unit is in compliance with the ground-water protection standards under 40 CFR 264. An exceedance is verified if the LCL is above the Regulatory GWPS.

The 95% LCLs for the verified VOCs at MW-49A are below the respective GWPS.

CONCLUSIONS

This report summarizes the statistical analyses used to evaluate the ground water data obtained during the second semi-annual monitoring event in 2025 at Rural Iowa Sanitary Landfill. Sample points MW-36, MW-37, MW-39, MW-40, MW-47, MW-48A, MW-49A, MW-50, and MW-51 were sampled on October 16, 2025 and analyzed for the parameters required by permit. The ground water data was compared to background using prediction limits (interwell). There are verified site prediction limit exceedances detected cobalt and nickel at MW-49A. There are verified detections of benzene, chloroethane, *cis*-1,2-dichloroethene, and vinyl chloride at MW-49A. The VOCs detected did not exceed ground water quality standards.

Attachment A

Summary of the Data obtained during the Second Semi-Annual Monitoring event in 2025

Table 1

Analytical Data Summary for 10/16/2025

Constituents	Units	MW-36	MW-37	MW-39	MW-40	MW-47	MW-48A	MW-49A	MW-50	MW-51	TILE ACM-1
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.4
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.8
2-butanone (mek)	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Arsenic, total	ug/L	<2.0	<2.0	<2.0	2.8	152.0	14.0	43.7	<2.0	<2.0	545.0
Barium, total	ug/L	299.0	50.6	275.0	40.9	1090.0	190.0	777.0	378.0	527.0	1030.0
Benzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5.4	<1.0	<1.0	<1.0
Beryllium, total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon disulfide	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<1.0	<1.0
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2
Chloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	4.0	<1.0	<1.0	4.6
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	1.0	1.1	<1.0	1.2	<1.0	1.0	<1.0	<1.0	<1.0	1.6
Cis-1,2-dichloroethylene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	4.5	<1.0	<1.0	2.0
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	1.4	.7	<5	6.2	2.0	.7	14.8	<5	<5	5.7
Copper, total	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	8.4	<5.0
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<5.0	<5.0	<5.0	17.5	5.6	<5.0	45.7	<5.0	<5.0	23.1
Selenium, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Silver, total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<2.0	<2.0	<2.0	2.9	<2.0	<2.0	<2.0	<2.0	<2.0	2.8
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	6.3	<1.0	<1.0	<1.0
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	5.0	7.9	12.4	17.0	9.3	16.2	15.2	9.0	7.4	316.0

* - The displayed value is the arithmetic mean of multiple database matches.

Attachment B

Summary Tables and Graphs for the Interwell Comparisons

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-36	07/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-36	04/21/2016	ND	2.0000		
Antimony, total	ug/L	MW-36	10/17/2016	ND	2.0000		
Antimony, total	ug/L	MW-36	04/21/2017	ND	2.0000		
Antimony, total	ug/L	MW-36	10/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-36	04/24/2018	ND	2.0000		
Antimony, total	ug/L	MW-36	10/25/2018	ND	2.0000		
Antimony, total	ug/L	MW-36	04/15/2019	ND	2.0000		
Antimony, total	ug/L	MW-36	10/07/2019	ND	2.0000		
Antimony, total	ug/L	MW-36	04/22/2020	ND	2.0000		
Antimony, total	ug/L	MW-36	10/02/2020	ND	2.0000		
Antimony, total	ug/L	MW-36	04/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-36	10/29/2021	ND	2.0000		
Antimony, total	ug/L	MW-36	04/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-36	10/17/2022	ND	2.0000		
Antimony, total	ug/L	MW-36	04/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-36	10/27/2023	ND	2.0000		
Antimony, total	ug/L	MW-36	04/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-36	10/10/2024	ND	2.0000		
Antimony, total	ug/L	MW-36	04/15/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-36	10/16/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-36	07/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/21/2017	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/16/2017	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/24/2018	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/22/2020	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/25/2022	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/10/2024	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/15/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-36	10/16/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-36	07/08/2015		366.0000		
Barium, total	ug/L	MW-36	04/21/2016		184.0000		
Barium, total	ug/L	MW-36	10/17/2016		162.0000		
Barium, total	ug/L	MW-36	04/21/2017		158.0000		
Barium, total	ug/L	MW-36	10/16/2017		233.0000		
Barium, total	ug/L	MW-36	04/24/2018		230.0000		
Barium, total	ug/L	MW-36	10/25/2018		184.0000		
Barium, total	ug/L	MW-36	04/15/2019		174.0000		
Barium, total	ug/L	MW-36	10/07/2019		235.0000		
Barium, total	ug/L	MW-36	04/22/2020		348.0000		
Barium, total	ug/L	MW-36	10/02/2020		176.0000		
Barium, total	ug/L	MW-36	04/08/2021		173.0000		
Barium, total	ug/L	MW-36	10/29/2021		203.0000		
Barium, total	ug/L	MW-36	04/25/2022		267.0000		
Barium, total	ug/L	MW-36	10/17/2022		219.0000		
Barium, total	ug/L	MW-36	04/10/2023		260.0000		
Barium, total	ug/L	MW-36	10/27/2023		258.0000		
Barium, total	ug/L	MW-36	04/02/2024		200.0000		
Barium, total	ug/L	MW-36	10/10/2024		329.0000		
Barium, total	ug/L	MW-36	04/15/2025		331.0000		
Barium, total	ug/L	MW-36	10/16/2025		299.0000		
Beryllium, total	ug/L	MW-36	07/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/21/2017	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/24/2018	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/22/2020	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/02/2020	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/25/2022	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/10/2024	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/15/2025	ND	0.5000		*
Beryllium, total	ug/L	MW-36	10/16/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-36	07/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/21/2016	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/17/2016	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/21/2017	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/16/2017	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/24/2018	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/25/2018	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/15/2019	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/07/2019	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/22/2020	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/02/2020	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/29/2021	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/17/2022	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/27/2023	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/10/2024	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/15/2025		0.2000		*
Cadmium, total	ug/L	MW-36	10/16/2025	ND	0.2000		*
Chromium, total	ug/L	MW-36	07/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-36	04/21/2016	ND	8.0000		
Chromium, total	ug/L	MW-36	10/17/2016	ND	8.0000		
Chromium, total	ug/L	MW-36	04/21/2017	ND	8.0000		
Chromium, total	ug/L	MW-36	10/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-36	04/24/2018	ND	8.0000		
Chromium, total	ug/L	MW-36	10/25/2018	ND	8.0000		
Chromium, total	ug/L	MW-36	04/15/2019	ND	8.0000		
Chromium, total	ug/L	MW-36	10/07/2019	ND	8.0000		
Chromium, total	ug/L	MW-36	04/22/2020		8.0000		
Chromium, total	ug/L	MW-36	10/02/2020	ND	8.0000		
Chromium, total	ug/L	MW-36	04/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-36	10/29/2021	ND	8.0000		
Chromium, total	ug/L	MW-36	04/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-36	10/17/2022	ND	8.0000		
Chromium, total	ug/L	MW-36	04/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-36	10/27/2023	ND	8.0000		
Chromium, total	ug/L	MW-36	04/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-36	10/10/2024		13.6000		
Chromium, total	ug/L	MW-36	04/15/2025		1.4000		*
Chromium, total	ug/L	MW-36	10/16/2025		1.0000		*
Cobalt, total	ug/L	MW-36	07/08/2015		34.1000		*
Cobalt, total	ug/L	MW-36	04/21/2016		2.4000		
Cobalt, total	ug/L	MW-36	10/17/2016		0.8000		
Cobalt, total	ug/L	MW-36	04/21/2017		2.1000		
Cobalt, total	ug/L	MW-36	10/16/2017		2.0000		
Cobalt, total	ug/L	MW-36	04/24/2018		3.9000		
Cobalt, total	ug/L	MW-36	10/25/2018		0.8000		
Cobalt, total	ug/L	MW-36	04/15/2019	ND	0.8000		
Cobalt, total	ug/L	MW-36	10/07/2019		1.3000		
Cobalt, total	ug/L	MW-36	04/22/2020		7.8000		
Cobalt, total	ug/L	MW-36	10/02/2020		0.4000		
Cobalt, total	ug/L	MW-36	04/08/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-36	10/29/2021		0.7000		
Cobalt, total	ug/L	MW-36	04/25/2022		4.7000		
Cobalt, total	ug/L	MW-36	10/17/2022		2.4000		
Cobalt, total	ug/L	MW-36	04/10/2023		1.4000		
Cobalt, total	ug/L	MW-36	10/27/2023		1.3000		
Cobalt, total	ug/L	MW-36	04/02/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-36	10/10/2024		7.6000		
Cobalt, total	ug/L	MW-36	04/15/2025		2.0000		
Cobalt, total	ug/L	MW-36	10/16/2025		1.4000		
Copper, total	ug/L	MW-36	07/08/2015		6.7000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Copper, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Copper, total	ug/L	MW-36	04/21/2017	ND	4.0000		
Copper, total	ug/L	MW-36	10/16/2017	ND	4.0000		
Copper, total	ug/L	MW-36	04/24/2018		4.4000		
Copper, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Copper, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Copper, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Copper, total	ug/L	MW-36	04/22/2020		11.3000		
Copper, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Copper, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Copper, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Copper, total	ug/L	MW-36	04/25/2022		6.8000		
Copper, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Copper, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Copper, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Copper, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Copper, total	ug/L	MW-36	10/10/2024		19.2000		*
Copper, total	ug/L	MW-36	04/15/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-36	10/16/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-36	07/08/2015	ND	4.0000		
Lead, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Lead, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Lead, total	ug/L	MW-36	04/21/2017	ND	4.0000		
Lead, total	ug/L	MW-36	10/16/2017	ND	4.0000		
Lead, total	ug/L	MW-36	04/24/2018		4.2000		
Lead, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Lead, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Lead, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Lead, total	ug/L	MW-36	04/22/2020		4.3000		
Lead, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Lead, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Lead, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Lead, total	ug/L	MW-36	04/25/2022	ND	4.0000		
Lead, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Lead, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Lead, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Lead, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Lead, total	ug/L	MW-36	10/10/2024		4.4000		
Lead, total	ug/L	MW-36	04/15/2025	ND	1.0000		*
Lead, total	ug/L	MW-36	10/16/2025	ND	1.0000		*
Nickel, total	ug/L	MW-36	07/08/2015		15.8000		
Nickel, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Nickel, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Nickel, total	ug/L	MW-36	04/21/2017		5.0000		
Nickel, total	ug/L	MW-36	10/16/2017		4.0000		
Nickel, total	ug/L	MW-36	04/24/2018		9.1000		
Nickel, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Nickel, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Nickel, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Nickel, total	ug/L	MW-36	04/22/2020		19.6000		
Nickel, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Nickel, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Nickel, total	ug/L	MW-36	04/25/2022		11.1000		
Nickel, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Nickel, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Nickel, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Nickel, total	ug/L	MW-36	10/10/2024		21.5000		
Nickel, total	ug/L	MW-36	04/15/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-36	10/16/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-36	07/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Selenium, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Selenium, total	ug/L	MW-36	04/21/2017	ND	4.0000		
Selenium, total	ug/L	MW-36	10/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-36	04/24/2018	ND	4.0000		
Selenium, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Selenium, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Selenium, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Selenium, total	ug/L	MW-36	04/22/2020	ND	4.0000		
Selenium, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Selenium, total	ug/L	MW-36	04/08/2021	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Selenium, total	ug/L	MW-36	04/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Selenium, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Selenium, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-36	10/10/2024	ND	4.0000		
Selenium, total	ug/L	MW-36	04/15/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-36	10/16/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-36	07/08/2015	ND	4.0000		
Silver, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Silver, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Silver, total	ug/L	MW-36	04/21/2017	ND	4.0000		
Silver, total	ug/L	MW-36	10/16/2017	ND	4.0000		
Silver, total	ug/L	MW-36	04/24/2018	ND	4.0000		
Silver, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Silver, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Silver, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Silver, total	ug/L	MW-36	04/22/2020	ND	4.0000		
Silver, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Silver, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Silver, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Silver, total	ug/L	MW-36	04/25/2022	ND	4.0000		
Silver, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Silver, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Silver, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Silver, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Silver, total	ug/L	MW-36	10/10/2024	ND	4.0000		
Silver, total	ug/L	MW-36	04/15/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-36	10/16/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-36	07/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	04/21/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	10/17/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	04/21/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	10/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	04/24/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	10/25/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	04/15/2019	ND	2.0000		
Thallium, total	ug/L	MW-36	10/07/2019	ND	2.0000		
Thallium, total	ug/L	MW-36	04/22/2020	ND	2.0000		
Thallium, total	ug/L	MW-36	10/02/2020	ND	2.0000		
Thallium, total	ug/L	MW-36	04/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-36	10/29/2021	ND	2.0000		
Thallium, total	ug/L	MW-36	04/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-36	10/17/2022	ND	2.0000		
Thallium, total	ug/L	MW-36	04/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-36	10/27/2023	ND	2.0000		
Thallium, total	ug/L	MW-36	04/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-36	10/10/2024	ND	2.0000		
Thallium, total	ug/L	MW-36	04/15/2025	ND	0.5000		*
Thallium, total	ug/L	MW-36	10/16/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-36	07/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/21/2016	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/17/2016	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/21/2017	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/24/2018	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/25/2018	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/15/2019	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/07/2019	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/22/2020	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/02/2020	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/29/2021	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/17/2022	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/27/2023	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/10/2024	ND	22.4000		
Vanadium, total	ug/L	MW-36	04/15/2025		2.1000		*
Vanadium, total	ug/L	MW-36	10/16/2025	ND	2.0000		*
Zinc, total	ug/L	MW-36	07/08/2015		13.1000		
Zinc, total	ug/L	MW-36	04/21/2016	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	MW-36	10/17/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-36	04/21/2017		9.0000		
Zinc, total	ug/L	MW-36	10/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-36	04/24/2018		10.8000		
Zinc, total	ug/L	MW-36	10/25/2018	ND	20.0000		
Zinc, total	ug/L	MW-36	04/15/2019	ND	20.0000		
Zinc, total	ug/L	MW-36	10/07/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-36	04/22/2020		26.8000		
Zinc, total	ug/L	MW-36	10/02/2020	ND	20.0000		
Zinc, total	ug/L	MW-36	04/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-36	10/29/2021	ND	20.0000		
Zinc, total	ug/L	MW-36	04/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-36	10/17/2022	ND	20.0000		
Zinc, total	ug/L	MW-36	04/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-36	10/27/2023	ND	20.0000		
Zinc, total	ug/L	MW-36	04/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-36	10/10/2024		38.0000		
Zinc, total	ug/L	MW-36	04/15/2025		5.4000		
Zinc, total	ug/L	MW-36	10/16/2025		5.0000		
Antimony, total	ug/L	MW-37	10/23/2014	ND	2.0000		
Antimony, total	ug/L	MW-37	01/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-37	04/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-37	07/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-37	11/05/2015	ND	2.0000		
Antimony, total	ug/L	MW-37	04/21/2016	ND	2.0000		
Antimony, total	ug/L	MW-37	10/17/2016	ND	2.0000		
Antimony, total	ug/L	MW-37	04/21/2017	ND	2.0000		
Antimony, total	ug/L	MW-37	10/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-37	04/24/2018	ND	2.0000		
Antimony, total	ug/L	MW-37	10/25/2018	ND	2.0000		
Antimony, total	ug/L	MW-37	04/15/2019	ND	2.0000		
Antimony, total	ug/L	MW-37	10/07/2019	ND	2.0000		
Antimony, total	ug/L	MW-37	04/22/2020	ND	2.0000		
Antimony, total	ug/L	MW-37	10/02/2020	ND	2.0000		
Antimony, total	ug/L	MW-37	04/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-37	10/29/2021	ND	2.0000		
Antimony, total	ug/L	MW-37	04/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-37	10/17/2022	ND	2.0000		
Antimony, total	ug/L	MW-37	04/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-37	10/27/2023	ND	2.0000		
Antimony, total	ug/L	MW-37	04/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-37	10/10/2024	ND	2.0000		
Antimony, total	ug/L	MW-37	04/15/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-37	10/16/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-37	10/23/2014	ND	4.0000		
Arsenic, total	ug/L	MW-37	01/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/21/2017	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/24/2018	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/25/2018	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/27/2023		11.6000		
Arsenic, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/10/2024	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/15/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-37	10/16/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-37	10/23/2014		216.0000		
Barium, total	ug/L	MW-37	01/08/2015		169.0000		
Barium, total	ug/L	MW-37	04/01/2015		185.0000		
Barium, total	ug/L	MW-37	07/08/2015		141.0000		
Barium, total	ug/L	MW-37	11/05/2015		175.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Barium, total	ug/L	MW-37	04/21/2016		143.0000		
Barium, total	ug/L	MW-37	10/17/2016		154.0000		
Barium, total	ug/L	MW-37	04/21/2017		163.0000		
Barium, total	ug/L	MW-37	10/16/2017		178.0000		
Barium, total	ug/L	MW-37	04/24/2018		142.0000		
Barium, total	ug/L	MW-37	10/25/2018		91.5000		
Barium, total	ug/L	MW-37	04/15/2019		82.0000		
Barium, total	ug/L	MW-37	10/07/2019		102.0000		
Barium, total	ug/L	MW-37	04/22/2020		78.1000		
Barium, total	ug/L	MW-37	10/02/2020		87.9000		
Barium, total	ug/L	MW-37	04/08/2021		51.5000		
Barium, total	ug/L	MW-37	10/29/2021		71.0000		
Barium, total	ug/L	MW-37	04/25/2022		57.0000		
Barium, total	ug/L	MW-37	10/17/2022		75.8000		
Barium, total	ug/L	MW-37	04/10/2023		31.4000		
Barium, total	ug/L	MW-37	10/27/2023		107.0000		
Barium, total	ug/L	MW-37	04/02/2024		51.9000		
Barium, total	ug/L	MW-37	10/10/2024		67.6000		
Barium, total	ug/L	MW-37	04/15/2025		43.9000		
Barium, total	ug/L	MW-37	10/16/2025		50.6000		
Beryllium, total	ug/L	MW-37	10/23/2014	ND	4.0000		
Beryllium, total	ug/L	MW-37	01/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/21/2017	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/24/2018	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/25/2018	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/27/2023	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/10/2024	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/15/2025	ND	0.5000		*
Beryllium, total	ug/L	MW-37	10/16/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-37	10/23/2014	ND	0.8000		
Cadmium, total	ug/L	MW-37	01/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-37	07/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-37	11/05/2015	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/21/2016	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/17/2016	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/21/2017	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/16/2017	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/24/2018	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/25/2018	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/15/2019	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/07/2019	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/22/2020	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/02/2020	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/29/2021	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/17/2022	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/27/2023	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/10/2024	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/15/2025	ND	0.2000		*
Cadmium, total	ug/L	MW-37	10/16/2025	ND	0.2000		*
Chromium, total	ug/L	MW-37	10/23/2014	ND	8.0000		
Chromium, total	ug/L	MW-37	01/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-37	04/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-37	07/08/2015	ND	8.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chromium, total	ug/L	MW-37	11/05/2015	ND	8.0000		
Chromium, total	ug/L	MW-37	04/21/2016	ND	8.0000		
Chromium, total	ug/L	MW-37	10/17/2016	ND	8.0000		
Chromium, total	ug/L	MW-37	04/21/2017		20.3000		
Chromium, total	ug/L	MW-37	10/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-37	04/24/2018	ND	8.0000		
Chromium, total	ug/L	MW-37	10/25/2018	ND	8.0000		
Chromium, total	ug/L	MW-37	04/15/2019	ND	8.0000		
Chromium, total	ug/L	MW-37	10/07/2019	ND	8.0000		
Chromium, total	ug/L	MW-37	04/22/2020	ND	8.0000		
Chromium, total	ug/L	MW-37	10/02/2020	ND	8.0000		
Chromium, total	ug/L	MW-37	04/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-37	10/29/2021	ND	8.0000		
Chromium, total	ug/L	MW-37	04/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-37	10/17/2022	ND	8.0000		
Chromium, total	ug/L	MW-37	04/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-37	10/27/2023	ND	8.0000		
Chromium, total	ug/L	MW-37	04/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-37	10/10/2024	ND	8.0000		
Chromium, total	ug/L	MW-37	04/15/2025		2.1000		*
Chromium, total	ug/L	MW-37	10/16/2025		1.1000		*
Cobalt, total	ug/L	MW-37	10/23/2014	ND	0.8000		
Cobalt, total	ug/L	MW-37	01/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-37	04/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-37	07/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-37	11/05/2015	ND	0.8000		
Cobalt, total	ug/L	MW-37	04/21/2016	ND	0.8000		
Cobalt, total	ug/L	MW-37	10/17/2016	ND	0.8000		
Cobalt, total	ug/L	MW-37	04/21/2017	ND	0.8000		
Cobalt, total	ug/L	MW-37	10/16/2017	ND	0.8000		
Cobalt, total	ug/L	MW-37	04/24/2018	ND	0.8000		
Cobalt, total	ug/L	MW-37	10/25/2018	ND	0.8000		
Cobalt, total	ug/L	MW-37	04/15/2019	ND	0.8000		
Cobalt, total	ug/L	MW-37	10/07/2019	ND	0.8000		
Cobalt, total	ug/L	MW-37	04/22/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-37	10/02/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-37	04/08/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-37	10/29/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-37	04/25/2022		0.4000		
Cobalt, total	ug/L	MW-37	10/17/2022		2.2000		
Cobalt, total	ug/L	MW-37	04/10/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-37	10/27/2023		9.6000		*
Cobalt, total	ug/L	MW-37	04/02/2024		0.6000		
Cobalt, total	ug/L	MW-37	10/10/2024		4.4000		*
Cobalt, total	ug/L	MW-37	04/15/2025	ND	0.5000	0.8000	**
Cobalt, total	ug/L	MW-37	10/16/2025		0.7000		
Copper, total	ug/L	MW-37	10/23/2014		4.1000		
Copper, total	ug/L	MW-37	01/08/2015	ND	4.0000		
Copper, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Copper, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Copper, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Copper, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Copper, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Copper, total	ug/L	MW-37	04/21/2017	ND	4.0000		
Copper, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Copper, total	ug/L	MW-37	04/24/2018	ND	4.0000		
Copper, total	ug/L	MW-37	10/25/2018		13.7000		*
Copper, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Copper, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Copper, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Copper, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Copper, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Copper, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Copper, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Copper, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Copper, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Copper, total	ug/L	MW-37	10/27/2023	ND	4.0000		
Copper, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Copper, total	ug/L	MW-37	10/10/2024	ND	4.0000		
Copper, total	ug/L	MW-37	04/15/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-37	10/16/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-37	10/23/2014		4.0000		
Lead, total	ug/L	MW-37	01/08/2015	ND	4.0000		
Lead, total	ug/L	MW-37	04/01/2015	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Lead, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Lead, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Lead, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Lead, total	ug/L	MW-37	04/21/2017		22.7000		*
Lead, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Lead, total	ug/L	MW-37	04/24/2018	ND	4.0000		
Lead, total	ug/L	MW-37	10/25/2018	ND	4.0000		
Lead, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Lead, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Lead, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Lead, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Lead, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Lead, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Lead, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Lead, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Lead, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Lead, total	ug/L	MW-37	10/27/2023	ND	4.0000		
Lead, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Lead, total	ug/L	MW-37	10/10/2024	ND	4.0000		
Lead, total	ug/L	MW-37	04/15/2025	ND	1.0000		*
Lead, total	ug/L	MW-37	10/16/2025	ND	1.0000		*
Nickel, total	ug/L	MW-37	10/23/2014	ND	4.0000		
Nickel, total	ug/L	MW-37	01/08/2015	ND	4.0000		
Nickel, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Nickel, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Nickel, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Nickel, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Nickel, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Nickel, total	ug/L	MW-37	04/21/2017	ND	4.0000		
Nickel, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Nickel, total	ug/L	MW-37	04/24/2018	ND	4.0000		
Nickel, total	ug/L	MW-37	10/25/2018	ND	4.0000		
Nickel, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Nickel, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Nickel, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Nickel, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Nickel, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Nickel, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Nickel, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Nickel, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-37	10/27/2023		13.9000		*
Nickel, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Nickel, total	ug/L	MW-37	10/10/2024		18.7000		*
Nickel, total	ug/L	MW-37	04/15/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-37	10/16/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-37	10/23/2014	ND	4.0000		
Selenium, total	ug/L	MW-37	01/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Selenium, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Selenium, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Selenium, total	ug/L	MW-37	04/21/2017	ND	4.0000		
Selenium, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-37	04/24/2018		8.9000		*
Selenium, total	ug/L	MW-37	10/25/2018	ND	4.0000		
Selenium, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Selenium, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Selenium, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Selenium, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Selenium, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Selenium, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Selenium, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-37	10/27/2023	ND	4.0000		
Selenium, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-37	10/10/2024	ND	4.0000		
Selenium, total	ug/L	MW-37	04/15/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-37	10/16/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-37	10/23/2014	ND	4.0000		
Silver, total	ug/L	MW-37	01/08/2015	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Silver, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Silver, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Silver, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Silver, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Silver, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Silver, total	ug/L	MW-37	04/21/2017	ND	4.0000		
Silver, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Silver, total	ug/L	MW-37	04/24/2018	ND	4.0000		
Silver, total	ug/L	MW-37	10/25/2018	ND	4.0000		
Silver, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Silver, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Silver, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Silver, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Silver, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Silver, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Silver, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Silver, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Silver, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Silver, total	ug/L	MW-37	10/27/2023	ND	4.0000		
Silver, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Silver, total	ug/L	MW-37	10/10/2024	ND	4.0000		
Silver, total	ug/L	MW-37	04/15/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-37	10/16/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-37	10/23/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	01/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	04/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	07/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	11/05/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	04/21/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	10/17/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	04/21/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	10/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	04/24/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	10/25/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	04/15/2019	ND	2.0000		
Thallium, total	ug/L	MW-37	10/07/2019	ND	2.0000		
Thallium, total	ug/L	MW-37	04/22/2020	ND	2.0000		
Thallium, total	ug/L	MW-37	10/02/2020	ND	2.0000		
Thallium, total	ug/L	MW-37	04/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-37	10/29/2021	ND	2.0000		
Thallium, total	ug/L	MW-37	04/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-37	10/17/2022	ND	2.0000		
Thallium, total	ug/L	MW-37	04/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-37	10/27/2023	ND	2.0000		
Thallium, total	ug/L	MW-37	04/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-37	10/10/2024	ND	2.0000		
Thallium, total	ug/L	MW-37	04/15/2025	ND	0.5000		*
Thallium, total	ug/L	MW-37	10/16/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-37	10/23/2014	ND	20.0000		
Vanadium, total	ug/L	MW-37	01/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-37	07/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-37	11/05/2015	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/21/2016	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/17/2016	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/21/2017	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/24/2018	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/25/2018	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/15/2019	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/07/2019	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/22/2020	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/02/2020	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/29/2021	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/17/2022	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/27/2023	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/10/2024	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/15/2025	ND	2.0000		*
Vanadium, total	ug/L	MW-37	10/16/2025	ND	2.0000		*
Zinc, total	ug/L	MW-37	10/23/2014	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	MW-37	01/08/2015		14.5000		
Zinc, total	ug/L	MW-37	04/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	07/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	11/05/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	04/21/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	10/17/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	04/21/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	10/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	04/24/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	10/25/2018	ND	20.0000		
Zinc, total	ug/L	MW-37	04/15/2019	ND	20.0000		
Zinc, total	ug/L	MW-37	10/07/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	04/22/2020	ND	20.0000		
Zinc, total	ug/L	MW-37	10/02/2020	ND	20.0000		
Zinc, total	ug/L	MW-37	04/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-37	10/29/2021	ND	20.0000		
Zinc, total	ug/L	MW-37	04/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-37	10/17/2022	ND	20.0000		
Zinc, total	ug/L	MW-37	04/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-37	10/27/2023		22.2000		
Zinc, total	ug/L	MW-37	04/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-37	10/10/2024	ND	20.0000		
Zinc, total	ug/L	MW-37	04/15/2025	ND	5.0000	20.0000	**
Zinc, total	ug/L	MW-37	10/16/2025		7.9000		
Antimony, total	ug/L	MW-39	10/23/2014	ND	2.0000		
Antimony, total	ug/L	MW-39	01/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	04/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	07/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	11/05/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	04/21/2016	ND	2.0000		
Antimony, total	ug/L	MW-39	10/17/2016	ND	2.0000		
Antimony, total	ug/L	MW-39	04/21/2017	ND	2.0000		
Antimony, total	ug/L	MW-39	10/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-39	04/24/2018	ND	2.0000		
Antimony, total	ug/L	MW-39	10/25/2018	ND	2.0000		
Antimony, total	ug/L	MW-39	04/15/2019	ND	2.0000		
Antimony, total	ug/L	MW-39	10/07/2019	ND	2.0000		
Antimony, total	ug/L	MW-39	04/22/2020	ND	2.0000		
Antimony, total	ug/L	MW-39	10/02/2020	ND	2.0000		
Antimony, total	ug/L	MW-39	04/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-39	10/29/2021	ND	2.0000		
Antimony, total	ug/L	MW-39	04/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-39	10/17/2022	ND	2.0000		
Antimony, total	ug/L	MW-39	04/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-39	10/27/2023	ND	2.0000		
Antimony, total	ug/L	MW-39	04/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-39	10/10/2024	ND	2.0000		
Antimony, total	ug/L	MW-39	04/15/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-39	10/16/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Arsenic, total	ug/L	MW-39	01/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	11/05/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/02/2024	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/15/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-39	10/16/2025	ND	2.0000	4.0000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Barium, total	ug/L	MW-39	10/23/2014		287.0000		
Barium, total	ug/L	MW-39	01/08/2015		309.0000		
Barium, total	ug/L	MW-39	04/01/2015		272.0000		
Barium, total	ug/L	MW-39	07/08/2015		249.0000		
Barium, total	ug/L	MW-39	11/05/2015		383.0000		
Barium, total	ug/L	MW-39	04/21/2016		266.0000		
Barium, total	ug/L	MW-39	10/17/2016		257.0000		
Barium, total	ug/L	MW-39	04/21/2017		253.0000		
Barium, total	ug/L	MW-39	10/16/2017		268.0000		
Barium, total	ug/L	MW-39	04/24/2018		273.0000		
Barium, total	ug/L	MW-39	10/25/2018		248.0000		
Barium, total	ug/L	MW-39	04/15/2019		251.0000		
Barium, total	ug/L	MW-39	10/07/2019		264.0000		
Barium, total	ug/L	MW-39	04/22/2020		323.0000		
Barium, total	ug/L	MW-39	10/02/2020		222.0000		
Barium, total	ug/L	MW-39	04/08/2021		230.0000		
Barium, total	ug/L	MW-39	10/29/2021		255.0000		
Barium, total	ug/L	MW-39	04/25/2022		232.0000		
Barium, total	ug/L	MW-39	10/17/2022		239.0000		
Barium, total	ug/L	MW-39	04/10/2023		238.0000		
Barium, total	ug/L	MW-39	10/27/2023		225.0000		
Barium, total	ug/L	MW-39	04/02/2024		254.0000		
Barium, total	ug/L	MW-39	10/10/2024		253.0000		
Barium, total	ug/L	MW-39	04/15/2025		287.0000		
Barium, total	ug/L	MW-39	10/16/2025		275.0000		
Beryllium, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Beryllium, total	ug/L	MW-39	01/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	11/05/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/15/2025	ND	0.5000		*
Beryllium, total	ug/L	MW-39	10/16/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-39	10/23/2014	ND	0.8000		
Cadmium, total	ug/L	MW-39	01/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	07/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	11/05/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/21/2016	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/17/2016	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/21/2017	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/16/2017	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/24/2018	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/25/2018	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/15/2019	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/07/2019	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/22/2020	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/02/2020	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/29/2021	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/17/2022	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/27/2023	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/10/2024	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/15/2025	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/15/2025	ND	0.2000		*

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, total	ug/L	MW-39	10/16/2025	ND	0.2000		*
Chromium, total	ug/L	MW-39	10/23/2014	ND	8.0000		
Chromium, total	ug/L	MW-39	01/08/2015		29.6000		*
Chromium, total	ug/L	MW-39	04/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-39	07/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-39	11/05/2015	ND	8.0000		
Chromium, total	ug/L	MW-39	04/21/2016	ND	8.0000		
Chromium, total	ug/L	MW-39	10/17/2016	ND	8.0000		
Chromium, total	ug/L	MW-39	04/21/2017	ND	8.0000		
Chromium, total	ug/L	MW-39	10/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-39	04/24/2018	ND	8.0000		
Chromium, total	ug/L	MW-39	10/25/2018	ND	8.0000		
Chromium, total	ug/L	MW-39	04/15/2019	ND	8.0000		
Chromium, total	ug/L	MW-39	10/07/2019	ND	8.0000		
Chromium, total	ug/L	MW-39	04/22/2020	ND	8.0000		
Chromium, total	ug/L	MW-39	10/02/2020	ND	8.0000		
Chromium, total	ug/L	MW-39	04/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-39	10/29/2021	ND	8.0000		
Chromium, total	ug/L	MW-39	04/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-39	10/17/2022	ND	8.0000		
Chromium, total	ug/L	MW-39	04/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-39	10/27/2023	ND	8.0000		
Chromium, total	ug/L	MW-39	04/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-39	10/10/2024	ND	8.0000		
Chromium, total	ug/L	MW-39	04/15/2025		1.2000		*
Chromium, total	ug/L	MW-39	10/16/2025	ND	1.0000		*
Cobalt, total	ug/L	MW-39	10/23/2014	ND	0.8000		
Cobalt, total	ug/L	MW-39	01/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-39	04/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-39	07/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-39	11/05/2015		3.3000		*
Cobalt, total	ug/L	MW-39	04/21/2016	ND	0.8000		
Cobalt, total	ug/L	MW-39	10/17/2016	ND	0.8000		
Cobalt, total	ug/L	MW-39	04/21/2017	ND	0.8000		
Cobalt, total	ug/L	MW-39	10/16/2017	ND	0.8000		
Cobalt, total	ug/L	MW-39	04/24/2018	ND	0.8000		
Cobalt, total	ug/L	MW-39	10/25/2018	ND	0.8000		
Cobalt, total	ug/L	MW-39	04/15/2019	ND	0.8000		
Cobalt, total	ug/L	MW-39	10/07/2019	ND	0.8000		
Cobalt, total	ug/L	MW-39	04/22/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	10/02/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	04/08/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	10/29/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	04/25/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	10/17/2022		1.5000		
Cobalt, total	ug/L	MW-39	04/10/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	10/27/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	04/02/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	10/10/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	04/15/2025	ND	0.5000	0.8000	**
Cobalt, total	ug/L	MW-39	10/16/2025	ND	0.5000	0.8000	**
Copper, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Copper, total	ug/L	MW-39	01/08/2015	ND	4.0000		
Copper, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Copper, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Copper, total	ug/L	MW-39	11/05/2015	ND	4.0000		
Copper, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Copper, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Copper, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Copper, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Copper, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Copper, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Copper, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Copper, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Copper, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Copper, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Copper, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Copper, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Copper, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Copper, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Copper, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Copper, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Copper, total	ug/L	MW-39	04/02/2024		126.0000		*
Copper, total	ug/L	MW-39	10/10/2024	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-39	04/15/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-39	10/16/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Lead, total	ug/L	MW-39	01/08/2015	ND	4.0000		
Lead, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Lead, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Lead, total	ug/L	MW-39	11/05/2015	ND	4.0000		
Lead, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Lead, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Lead, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Lead, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Lead, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Lead, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Lead, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Lead, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Lead, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Lead, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Lead, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Lead, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Lead, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Lead, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Lead, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Lead, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Lead, total	ug/L	MW-39	04/02/2024	ND	4.0000		
Lead, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Lead, total	ug/L	MW-39	04/15/2025	ND	1.0000		*
Lead, total	ug/L	MW-39	10/16/2025	ND	1.0000		*
Nickel, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Nickel, total	ug/L	MW-39	01/08/2015		20.5000		*
Nickel, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Nickel, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Nickel, total	ug/L	MW-39	11/05/2015		7.0000		
Nickel, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Nickel, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Nickel, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Nickel, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Nickel, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Nickel, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Nickel, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Nickel, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Nickel, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Nickel, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Nickel, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Nickel, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Nickel, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Nickel, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Nickel, total	ug/L	MW-39	04/02/2024	ND	4.0000		
Nickel, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Nickel, total	ug/L	MW-39	04/15/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-39	10/16/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Selenium, total	ug/L	MW-39	01/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	11/05/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Selenium, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Selenium, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Selenium, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Selenium, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Selenium, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Selenium, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Selenium, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Selenium, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Selenium, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Selenium, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Selenium, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Selenium, total	ug/L	MW-39	04/02/2024	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Selenium, total	ug/L	MW-39	04/15/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-39	10/16/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Silver, total	ug/L	MW-39	01/08/2015	ND	4.0000		
Silver, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Silver, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Silver, total	ug/L	MW-39	11/05/2015	ND	4.0000		
Silver, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Silver, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Silver, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Silver, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Silver, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Silver, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Silver, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Silver, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Silver, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Silver, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Silver, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Silver, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Silver, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Silver, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Silver, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Silver, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Silver, total	ug/L	MW-39	04/02/2024	ND	4.0000		
Silver, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Silver, total	ug/L	MW-39	04/15/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-39	10/16/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-39	10/23/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	01/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	04/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	07/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	11/05/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	04/21/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	10/17/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	04/21/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	10/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	04/24/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	10/25/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	04/15/2019	ND	2.0000		
Thallium, total	ug/L	MW-39	10/07/2019	ND	2.0000		
Thallium, total	ug/L	MW-39	04/22/2020	ND	2.0000		
Thallium, total	ug/L	MW-39	10/02/2020	ND	2.0000		
Thallium, total	ug/L	MW-39	04/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-39	10/29/2021	ND	2.0000		
Thallium, total	ug/L	MW-39	04/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-39	10/17/2022	ND	2.0000		
Thallium, total	ug/L	MW-39	04/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-39	10/27/2023	ND	2.0000		
Thallium, total	ug/L	MW-39	04/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-39	10/10/2024	ND	2.0000		
Thallium, total	ug/L	MW-39	04/15/2025	ND	0.5000		*
Thallium, total	ug/L	MW-39	10/16/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-39	10/23/2014	ND	20.0000		
Vanadium, total	ug/L	MW-39	01/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	07/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	11/05/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/21/2016	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/17/2016	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/21/2017	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/24/2018	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/25/2018	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/15/2019	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/07/2019	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/22/2020	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/02/2020	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/29/2021	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/17/2022	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/27/2023	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Vanadium, total	ug/L	MW-39	04/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/10/2024	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/15/2025	ND	2.0000		*
Vanadium, total	ug/L	MW-39	10/16/2025	ND	2.0000		*
Zinc, total	ug/L	MW-39	10/23/2014	ND	20.0000		
Zinc, total	ug/L	MW-39	01/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	04/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	07/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	11/05/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	04/21/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	10/17/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	04/21/2017		25.8000		
Zinc, total	ug/L	MW-39	10/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	04/24/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	10/25/2018	ND	20.0000		
Zinc, total	ug/L	MW-39	04/15/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	10/07/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	04/22/2020	ND	20.0000		
Zinc, total	ug/L	MW-39	10/02/2020	ND	20.0000		
Zinc, total	ug/L	MW-39	04/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-39	10/29/2021	ND	20.0000		
Zinc, total	ug/L	MW-39	04/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-39	10/17/2022	ND	20.0000		
Zinc, total	ug/L	MW-39	04/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-39	10/27/2023	ND	20.0000		
Zinc, total	ug/L	MW-39	04/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-39	10/10/2024	ND	20.0000		
Zinc, total	ug/L	MW-39	04/15/2025	ND	5.0000	20.0000	**
Zinc, total	ug/L	MW-39	10/16/2025		12.4000		
Antimony, total	ug/L	MW-40	10/23/2014	ND	2.0000		
Antimony, total	ug/L	MW-40	01/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-40	03/31/2015	ND	2.0000		
Antimony, total	ug/L	MW-40	07/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-40	11/05/2015	ND	2.0000		
Antimony, total	ug/L	MW-40	04/21/2016	ND	2.0000		
Antimony, total	ug/L	MW-40	10/17/2016	ND	2.0000		
Antimony, total	ug/L	MW-40	04/21/2017	ND	2.0000		
Antimony, total	ug/L	MW-40	10/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-40	04/24/2018	ND	2.0000		
Antimony, total	ug/L	MW-40	10/25/2018	ND	2.0000		
Antimony, total	ug/L	MW-40	04/15/2019	ND	2.0000		
Antimony, total	ug/L	MW-40	10/07/2019	ND	2.0000		
Antimony, total	ug/L	MW-40	04/22/2020	ND	2.0000		
Antimony, total	ug/L	MW-40	10/02/2020	ND	2.0000		
Antimony, total	ug/L	MW-40	04/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-40	10/29/2021	ND	2.0000		
Antimony, total	ug/L	MW-40	04/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-40	10/17/2022	ND	2.0000		
Antimony, total	ug/L	MW-40	04/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-40	10/27/2023	ND	2.0000		
Antimony, total	ug/L	MW-40	04/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-40	10/10/2024	ND	2.0000		
Antimony, total	ug/L	MW-40	04/15/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-40	10/16/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-40	10/23/2014	ND	4.0000		
Arsenic, total	ug/L	MW-40	01/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-40	03/31/2015	ND	4.0000		
Arsenic, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Arsenic, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Arsenic, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Arsenic, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Arsenic, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Arsenic, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Arsenic, total	ug/L	MW-40	04/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/29/2021	ND	4.3000		
Arsenic, total	ug/L	MW-40	04/25/2022	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/17/2022		8.1000		
Arsenic, total	ug/L	MW-40	04/10/2023		5.9000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic, total	ug/L	MW-40	10/27/2023		5.3000		
Arsenic, total	ug/L	MW-40	04/02/2024	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/10/2024		4.3000		
Arsenic, total	ug/L	MW-40	04/15/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-40	10/16/2025		2.8000		
Barium, total	ug/L	MW-40	10/23/2014		65.4000		
Barium, total	ug/L	MW-40	01/08/2015		85.3000		
Barium, total	ug/L	MW-40	03/31/2015		96.6000		
Barium, total	ug/L	MW-40	07/08/2015		71.0000		
Barium, total	ug/L	MW-40	11/05/2015		89.1000		
Barium, total	ug/L	MW-40	04/21/2016		74.0000		
Barium, total	ug/L	MW-40	10/17/2016		83.2000		
Barium, total	ug/L	MW-40	04/21/2017		82.9000		
Barium, total	ug/L	MW-40	10/16/2017		45.4000		
Barium, total	ug/L	MW-40	04/24/2018		39.7000		
Barium, total	ug/L	MW-40	10/25/2018		56.3000		
Barium, total	ug/L	MW-40	04/15/2019		35.7000		
Barium, total	ug/L	MW-40	10/07/2019		50.7000		
Barium, total	ug/L	MW-40	04/22/2020		47.5000		
Barium, total	ug/L	MW-40	10/02/2020		47.8000		
Barium, total	ug/L	MW-40	04/08/2021		83.4000		
Barium, total	ug/L	MW-40	10/29/2021		72.2000		
Barium, total	ug/L	MW-40	04/25/2022		27.9000		
Barium, total	ug/L	MW-40	10/17/2022		103.0000		
Barium, total	ug/L	MW-40	04/10/2023		42.8000		
Barium, total	ug/L	MW-40	10/27/2023		46.9000		
Barium, total	ug/L	MW-40	04/02/2024		36.4000		
Barium, total	ug/L	MW-40	10/10/2024		34.2000		
Barium, total	ug/L	MW-40	04/15/2025		46.7000		
Barium, total	ug/L	MW-40	10/16/2025		40.9000		
Beryllium, total	ug/L	MW-40	10/23/2014	ND	4.0000		
Beryllium, total	ug/L	MW-40	01/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-40	03/31/2015	ND	4.0000		
Beryllium, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/29/2021	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/25/2022	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/17/2022	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/27/2023	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/10/2024	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/15/2025	ND	0.5000		*
Beryllium, total	ug/L	MW-40	10/16/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-40	10/23/2014	ND	0.8000		
Cadmium, total	ug/L	MW-40	01/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-40	03/31/2015	ND	0.8000		
Cadmium, total	ug/L	MW-40	07/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-40	11/05/2015	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/21/2016	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/17/2016	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/21/2017	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/16/2017	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/24/2018	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/25/2018	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/15/2019	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/07/2019	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/22/2020	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/02/2020	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/29/2021	ND	0.9000		
Cadmium, total	ug/L	MW-40	04/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/17/2022	ND	0.8000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, total	ug/L	MW-40	04/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/27/2023	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/10/2024	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/15/2025	ND	0.2000		*
Cadmium, total	ug/L	MW-40	10/16/2025	ND	0.2000		*
Chromium, total	ug/L	MW-40	10/23/2014	ND	8.0000		
Chromium, total	ug/L	MW-40	01/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-40	03/31/2015	ND	8.0000		
Chromium, total	ug/L	MW-40	07/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-40	11/05/2015	ND	8.0000		
Chromium, total	ug/L	MW-40	04/21/2016	ND	8.0000		
Chromium, total	ug/L	MW-40	10/17/2016	ND	8.0000		
Chromium, total	ug/L	MW-40	04/21/2017	ND	8.0000		
Chromium, total	ug/L	MW-40	10/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-40	04/24/2018	ND	8.0000		
Chromium, total	ug/L	MW-40	10/25/2018	ND	8.0000		
Chromium, total	ug/L	MW-40	04/15/2019	ND	8.0000		
Chromium, total	ug/L	MW-40	10/07/2019	ND	8.0000		
Chromium, total	ug/L	MW-40	04/22/2020	ND	8.0000		
Chromium, total	ug/L	MW-40	10/02/2020	ND	8.0000		
Chromium, total	ug/L	MW-40	04/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-40	10/29/2021	ND	8.0000		
Chromium, total	ug/L	MW-40	04/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-40	10/17/2022	ND	8.0000		
Chromium, total	ug/L	MW-40	04/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-40	10/27/2023	ND	8.0000		
Chromium, total	ug/L	MW-40	04/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-40	10/10/2024	ND	8.0000		
Chromium, total	ug/L	MW-40	04/15/2025		1.2000		*
Chromium, total	ug/L	MW-40	10/16/2025		1.2000		*
Cobalt, total	ug/L	MW-40	10/23/2014	ND	0.8000		
Cobalt, total	ug/L	MW-40	01/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-40	03/31/2015	ND	0.8000		
Cobalt, total	ug/L	MW-40	07/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-40	11/05/2015	ND	0.8000		
Cobalt, total	ug/L	MW-40	04/21/2016	ND	0.8000		
Cobalt, total	ug/L	MW-40	10/17/2016	ND	0.8000		
Cobalt, total	ug/L	MW-40	04/21/2017	ND	0.8000		
Cobalt, total	ug/L	MW-40	10/16/2017	ND	0.8000		
Cobalt, total	ug/L	MW-40	04/24/2018	ND	0.8000		
Cobalt, total	ug/L	MW-40	10/25/2018	ND	0.8000		
Cobalt, total	ug/L	MW-40	04/15/2019	ND	0.8000		
Cobalt, total	ug/L	MW-40	10/07/2019	ND	0.8000		
Cobalt, total	ug/L	MW-40	04/22/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-40	10/02/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-40	04/08/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-40	10/29/2021		4.5000		
Cobalt, total	ug/L	MW-40	04/25/2022		5.6000		
Cobalt, total	ug/L	MW-40	10/17/2022		8.3000		
Cobalt, total	ug/L	MW-40	04/10/2023		10.2000		
Cobalt, total	ug/L	MW-40	10/27/2023		4.7000		
Cobalt, total	ug/L	MW-40	04/02/2024		0.5000		
Cobalt, total	ug/L	MW-40	10/10/2024		5.8000		
Cobalt, total	ug/L	MW-40	04/15/2025		3.2000		
Cobalt, total	ug/L	MW-40	10/16/2025		6.2000		
Copper, total	ug/L	MW-40	10/23/2014	ND	4.0000		
Copper, total	ug/L	MW-40	01/08/2015	ND	4.0000		
Copper, total	ug/L	MW-40	03/31/2015	ND	4.0000		
Copper, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Copper, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Copper, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Copper, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Copper, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Copper, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Copper, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Copper, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Copper, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Copper, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Copper, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Copper, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Copper, total	ug/L	MW-40	04/08/2021	ND	4.0000		
Copper, total	ug/L	MW-40	10/29/2021		5.1000		
Copper, total	ug/L	MW-40	04/25/2022	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-40	10/17/2022	ND	4.0000		
Copper, total	ug/L	MW-40	04/10/2023	ND	4.0000		
Copper, total	ug/L	MW-40	10/27/2023	ND	4.0000		
Copper, total	ug/L	MW-40	04/02/2024		8.5000		
Copper, total	ug/L	MW-40	10/10/2024	ND	4.0000		
Copper, total	ug/L	MW-40	04/15/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-40	10/16/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-40	10/23/2014	ND	4.0000		
Lead, total	ug/L	MW-40	01/08/2015	ND	4.0000		
Lead, total	ug/L	MW-40	03/31/2015	ND	4.0000		
Lead, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Lead, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Lead, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Lead, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Lead, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Lead, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Lead, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Lead, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Lead, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Lead, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Lead, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Lead, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Lead, total	ug/L	MW-40	04/08/2021	ND	4.0000		
Lead, total	ug/L	MW-40	10/29/2021	ND	4.0000		
Lead, total	ug/L	MW-40	04/25/2022	ND	4.0000		
Lead, total	ug/L	MW-40	10/17/2022	ND	4.0000		
Lead, total	ug/L	MW-40	04/10/2023	ND	4.0000		
Lead, total	ug/L	MW-40	10/27/2023	ND	4.0000		
Lead, total	ug/L	MW-40	04/02/2024	ND	4.0000		
Lead, total	ug/L	MW-40	10/10/2024	ND	4.0000		
Lead, total	ug/L	MW-40	04/15/2025	ND	1.0000		*
Lead, total	ug/L	MW-40	10/16/2025	ND	1.0000		*
Nickel, total	ug/L	MW-40	10/23/2014	ND	4.0000		
Nickel, total	ug/L	MW-40	01/08/2015	ND	4.0000		
Nickel, total	ug/L	MW-40	03/31/2015	ND	4.0000		
Nickel, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Nickel, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Nickel, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Nickel, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Nickel, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Nickel, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Nickel, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Nickel, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Nickel, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Nickel, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Nickel, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Nickel, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Nickel, total	ug/L	MW-40	04/08/2021		5.0000		
Nickel, total	ug/L	MW-40	10/29/2021		31.9000		*
Nickel, total	ug/L	MW-40	04/25/2022		18.3000		
Nickel, total	ug/L	MW-40	10/17/2022		22.1000		
Nickel, total	ug/L	MW-40	04/10/2023		16.7000		
Nickel, total	ug/L	MW-40	10/27/2023		17.0000		
Nickel, total	ug/L	MW-40	04/02/2024		16.8000		
Nickel, total	ug/L	MW-40	10/10/2024		15.4000		
Nickel, total	ug/L	MW-40	04/15/2025		16.3000		
Nickel, total	ug/L	MW-40	10/16/2025		17.5000		
Selenium, total	ug/L	MW-40	10/23/2014		4.6000		
Selenium, total	ug/L	MW-40	01/08/2015		4.8000		
Selenium, total	ug/L	MW-40	03/31/2015		4.9000		
Selenium, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Selenium, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Selenium, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Selenium, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Selenium, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Selenium, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Selenium, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Selenium, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Selenium, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Selenium, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Selenium, total	ug/L	MW-40	04/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-40	10/29/2021	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, total	ug/L	MW-40	04/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-40	10/17/2022	ND	4.0000		
Selenium, total	ug/L	MW-40	04/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-40	10/27/2023	ND	4.0000		
Selenium, total	ug/L	MW-40	04/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-40	10/10/2024	ND	4.0000		
Selenium, total	ug/L	MW-40	04/15/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-40	10/16/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-40	10/23/2014	ND	4.0000		
Silver, total	ug/L	MW-40	01/08/2015	ND	4.0000		
Silver, total	ug/L	MW-40	03/31/2015	ND	4.0000		
Silver, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Silver, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Silver, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Silver, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Silver, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Silver, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Silver, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Silver, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Silver, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Silver, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Silver, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Silver, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Silver, total	ug/L	MW-40	04/08/2021	ND	4.0000		
Silver, total	ug/L	MW-40	10/29/2021	ND	4.0000		
Silver, total	ug/L	MW-40	04/25/2022	ND	4.0000		
Silver, total	ug/L	MW-40	10/17/2022	ND	4.0000		
Silver, total	ug/L	MW-40	04/10/2023	ND	4.0000		
Silver, total	ug/L	MW-40	10/27/2023	ND	4.0000		
Silver, total	ug/L	MW-40	04/02/2024	ND	4.0000		
Silver, total	ug/L	MW-40	10/10/2024	ND	4.0000		
Silver, total	ug/L	MW-40	04/15/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-40	10/16/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-40	10/23/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	01/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	03/31/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	07/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	11/05/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	04/21/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	10/17/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	04/21/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	10/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	04/24/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	10/25/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	04/15/2019	ND	2.0000		
Thallium, total	ug/L	MW-40	10/07/2019	ND	2.0000		
Thallium, total	ug/L	MW-40	04/22/2020	ND	2.0000		
Thallium, total	ug/L	MW-40	10/02/2020	ND	2.0000		
Thallium, total	ug/L	MW-40	04/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-40	10/29/2021	ND	2.0000		
Thallium, total	ug/L	MW-40	04/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-40	10/17/2022	ND	2.0000		
Thallium, total	ug/L	MW-40	04/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-40	10/27/2023	ND	2.0000		
Thallium, total	ug/L	MW-40	04/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-40	10/10/2024	ND	2.0000		
Thallium, total	ug/L	MW-40	04/15/2025	ND	0.5000		*
Thallium, total	ug/L	MW-40	10/16/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-40	10/23/2014	ND	20.0000		
Vanadium, total	ug/L	MW-40	01/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-40	03/31/2015	ND	20.0000		
Vanadium, total	ug/L	MW-40	07/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-40	11/05/2015	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/21/2016	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/17/2016	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/21/2017	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/24/2018	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/25/2018	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/15/2019	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/07/2019	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/22/2020	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/02/2020	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/08/2021	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Vanadium, total	ug/L	MW-40	10/29/2021	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/17/2022	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/27/2023	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/10/2024	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/15/2025	ND	2.0000		*
Vanadium, total	ug/L	MW-40	10/16/2025		2.9000		*
Zinc, total	ug/L	MW-40	10/23/2014	ND	20.0000		
Zinc, total	ug/L	MW-40	01/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	03/31/2015		12.8000		
Zinc, total	ug/L	MW-40	07/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	11/05/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	04/21/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	10/17/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	04/21/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	10/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	04/24/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	10/25/2018	ND	20.0000		
Zinc, total	ug/L	MW-40	04/15/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	10/07/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	04/22/2020	ND	20.0000		
Zinc, total	ug/L	MW-40	10/02/2020	ND	20.0000		
Zinc, total	ug/L	MW-40	04/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-40	10/29/2021	ND	20.0000		
Zinc, total	ug/L	MW-40	04/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-40	10/17/2022	ND	20.0000		
Zinc, total	ug/L	MW-40	04/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-40	10/27/2023	ND	20.0000		
Zinc, total	ug/L	MW-40	04/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-40	10/10/2024	ND	20.0000		
Zinc, total	ug/L	MW-40	04/15/2025		7.0000		
Zinc, total	ug/L	MW-40	10/16/2025		17.0000		
Antimony, total	ug/L	MW-47	10/23/2014	ND	2.0000		
Antimony, total	ug/L	MW-47	03/31/2015	ND	2.0000		
Antimony, total	ug/L	MW-47	07/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-47	11/05/2015	ND	2.0000		
Antimony, total	ug/L	MW-47	04/21/2016	ND	2.0000		
Antimony, total	ug/L	MW-47	10/17/2016	ND	2.0000		
Antimony, total	ug/L	MW-47	04/21/2017	ND	2.0000		
Antimony, total	ug/L	MW-47	10/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-47	04/24/2018	ND	2.0000		
Antimony, total	ug/L	MW-47	10/25/2018	ND	2.0000		
Antimony, total	ug/L	MW-47	04/15/2019	ND	2.0000		
Antimony, total	ug/L	MW-47	10/07/2019	ND	2.0000		
Antimony, total	ug/L	MW-47	04/22/2020	ND	2.0000		
Antimony, total	ug/L	MW-47	10/01/2020	ND	2.0000		
Antimony, total	ug/L	MW-47	04/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-47	10/29/2021	ND	2.0000		
Antimony, total	ug/L	MW-47	04/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-47	10/17/2022	ND	2.0000		
Antimony, total	ug/L	MW-47	04/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-47	10/27/2023	ND	2.0000		
Antimony, total	ug/L	MW-47	04/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-47	10/10/2024	ND	2.0000		
Antimony, total	ug/L	MW-47	04/15/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-47	10/16/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-47	10/23/2014		40.0000		
Arsenic, total	ug/L	MW-47	03/31/2015		153.0000		*
Arsenic, total	ug/L	MW-47	07/08/2015		165.0000		*
Arsenic, total	ug/L	MW-47	11/05/2015		89.3000		
Arsenic, total	ug/L	MW-47	04/21/2016		1730.0000		*
Arsenic, total	ug/L	MW-47	10/17/2016		18.5000		
Arsenic, total	ug/L	MW-47	04/21/2017		860.0000		*
Arsenic, total	ug/L	MW-47	10/16/2017		720.0000		*
Arsenic, total	ug/L	MW-47	04/24/2018		700.0000		*
Arsenic, total	ug/L	MW-47	10/25/2018		84.0000		
Arsenic, total	ug/L	MW-47	04/15/2019		277.0000		
Arsenic, total	ug/L	MW-47	10/07/2019		41.0000		
Arsenic, total	ug/L	MW-47	04/22/2020		844.0000		*
Arsenic, total	ug/L	MW-47	10/01/2020		79.7000		
Arsenic, total	ug/L	MW-47	04/08/2021		236.0000		*
Arsenic, total	ug/L	MW-47	10/29/2021		50.4000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic, total	ug/L	MW-47	04/25/2022		246.0000		*
Arsenic, total	ug/L	MW-47	10/17/2022		291.0000		*
Arsenic, total	ug/L	MW-47	04/10/2023		271.0000		*
Arsenic, total	ug/L	MW-47	10/27/2023		50.2000		
Arsenic, total	ug/L	MW-47	04/02/2024		182.0000		*
Arsenic, total	ug/L	MW-47	10/10/2024		88.3000		
Arsenic, total	ug/L	MW-47	04/15/2025		311.0000		*
Arsenic, total	ug/L	MW-47	10/16/2025		152.0000		*
Barium, total	ug/L	MW-47	10/23/2014		392.0000		
Barium, total	ug/L	MW-47	03/31/2015		678.0000		
Barium, total	ug/L	MW-47	07/08/2015		630.0000		
Barium, total	ug/L	MW-47	11/05/2015		525.0000		
Barium, total	ug/L	MW-47	04/21/2016		3520.0000		*
Barium, total	ug/L	MW-47	10/17/2016		443.0000		
Barium, total	ug/L	MW-47	04/21/2017		1690.0000		
Barium, total	ug/L	MW-47	10/16/2017		1550.0000		
Barium, total	ug/L	MW-47	04/24/2018		1750.0000		
Barium, total	ug/L	MW-47	10/25/2018		310.0000		
Barium, total	ug/L	MW-47	04/15/2019		743.0000		
Barium, total	ug/L	MW-47	10/07/2019		497.0000		
Barium, total	ug/L	MW-47	04/22/2020		1880.0000		
Barium, total	ug/L	MW-47	10/01/2020		435.0000		
Barium, total	ug/L	MW-47	04/08/2021		876.0000		
Barium, total	ug/L	MW-47	10/29/2021		407.0000		
Barium, total	ug/L	MW-47	04/25/2022		565.0000		
Barium, total	ug/L	MW-47	10/17/2022		852.0000		
Barium, total	ug/L	MW-47	04/10/2023		713.0000		
Barium, total	ug/L	MW-47	10/27/2023		486.0000		
Barium, total	ug/L	MW-47	04/02/2024		570.0000		
Barium, total	ug/L	MW-47	10/10/2024		426.0000		
Barium, total	ug/L	MW-47	04/15/2025		985.0000		
Barium, total	ug/L	MW-47	10/16/2025		1090.0000		
Beryllium, total	ug/L	MW-47	10/23/2014	ND	4.0000		
Beryllium, total	ug/L	MW-47	03/31/2015	ND	4.0000		
Beryllium, total	ug/L	MW-47	07/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-47	11/05/2015	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/21/2016	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/17/2016	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/21/2017	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/24/2018	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/25/2018	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/15/2019	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/07/2019	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/22/2020	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/01/2020	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/29/2021	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/25/2022	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/17/2022	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/27/2023	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/10/2024	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/15/2025	ND	0.5000		*
Beryllium, total	ug/L	MW-47	10/16/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-47	10/23/2014	ND	0.8000		
Cadmium, total	ug/L	MW-47	03/31/2015	ND	0.8000		
Cadmium, total	ug/L	MW-47	07/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-47	11/05/2015	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/21/2016	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/17/2016	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/21/2017	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/16/2017	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/24/2018	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/25/2018	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/15/2019	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/07/2019	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/22/2020	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/01/2020	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/29/2021	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/17/2022	ND	0.8000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, total	ug/L	MW-47	04/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/27/2023	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/10/2024	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/15/2025	ND	0.2000		*
Cadmium, total	ug/L	MW-47	10/16/2025	ND	0.2000		*
Chromium, total	ug/L	MW-47	10/23/2014	ND	8.0000		
Chromium, total	ug/L	MW-47	03/31/2015	ND	8.0000		
Chromium, total	ug/L	MW-47	07/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-47	11/05/2015	ND	8.0000		
Chromium, total	ug/L	MW-47	04/21/2016	ND	8.0000		
Chromium, total	ug/L	MW-47	10/17/2016	ND	8.0000		
Chromium, total	ug/L	MW-47	04/21/2017	ND	8.0000		
Chromium, total	ug/L	MW-47	10/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-47	04/24/2018	ND	8.0000		
Chromium, total	ug/L	MW-47	10/25/2018	ND	8.0000		
Chromium, total	ug/L	MW-47	04/15/2019	ND	8.0000		
Chromium, total	ug/L	MW-47	10/07/2019	ND	8.0000		
Chromium, total	ug/L	MW-47	04/22/2020	ND	8.0000		
Chromium, total	ug/L	MW-47	10/01/2020	ND	8.0000		
Chromium, total	ug/L	MW-47	04/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-47	10/29/2021	ND	8.0000		
Chromium, total	ug/L	MW-47	04/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-47	10/17/2022	ND	8.0000		
Chromium, total	ug/L	MW-47	04/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-47	10/27/2023	ND	8.0000		
Chromium, total	ug/L	MW-47	04/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-47	10/10/2024	ND	8.0000		
Chromium, total	ug/L	MW-47	04/15/2025		1.3000		*
Chromium, total	ug/L	MW-47	10/16/2025	ND	1.0000		*
Cobalt, total	ug/L	MW-47	10/23/2014		0.8000		
Cobalt, total	ug/L	MW-47	03/31/2015		1.0000		
Cobalt, total	ug/L	MW-47	07/08/2015		1.5000		
Cobalt, total	ug/L	MW-47	11/05/2015		1.2000		
Cobalt, total	ug/L	MW-47	04/21/2016		4.2000		
Cobalt, total	ug/L	MW-47	10/17/2016		12.4000		
Cobalt, total	ug/L	MW-47	04/21/2017		1.9000		
Cobalt, total	ug/L	MW-47	10/16/2017		1.5000		
Cobalt, total	ug/L	MW-47	04/24/2018		1.5000		
Cobalt, total	ug/L	MW-47	10/25/2018	ND	0.8000		
Cobalt, total	ug/L	MW-47	04/15/2019		0.9000		
Cobalt, total	ug/L	MW-47	10/07/2019	ND	0.8000		
Cobalt, total	ug/L	MW-47	04/22/2020		1.9000		
Cobalt, total	ug/L	MW-47	10/01/2020		0.9000		
Cobalt, total	ug/L	MW-47	04/08/2021		1.2000		
Cobalt, total	ug/L	MW-47	10/29/2021		0.7000		
Cobalt, total	ug/L	MW-47	04/25/2022		0.7000		
Cobalt, total	ug/L	MW-47	10/17/2022		3.8000		
Cobalt, total	ug/L	MW-47	04/10/2023		1.8000		
Cobalt, total	ug/L	MW-47	10/27/2023		2.3000		
Cobalt, total	ug/L	MW-47	04/02/2024		1.8000		
Cobalt, total	ug/L	MW-47	10/10/2024		0.8000		
Cobalt, total	ug/L	MW-47	04/15/2025		2.4000		
Cobalt, total	ug/L	MW-47	10/16/2025		2.0000		
Copper, total	ug/L	MW-47	10/23/2014	ND	4.0000		
Copper, total	ug/L	MW-47	03/31/2015	ND	4.0000		
Copper, total	ug/L	MW-47	07/08/2015	ND	4.0000		
Copper, total	ug/L	MW-47	11/05/2015	ND	4.0000		
Copper, total	ug/L	MW-47	04/21/2016		4.6000		
Copper, total	ug/L	MW-47	10/17/2016	ND	4.0000		
Copper, total	ug/L	MW-47	04/21/2017	ND	4.0000		
Copper, total	ug/L	MW-47	10/16/2017		4.9000		
Copper, total	ug/L	MW-47	04/24/2018	ND	4.0000		
Copper, total	ug/L	MW-47	10/25/2018	ND	4.0000		
Copper, total	ug/L	MW-47	04/15/2019	ND	4.0000		
Copper, total	ug/L	MW-47	10/07/2019	ND	4.0000		
Copper, total	ug/L	MW-47	04/22/2020	ND	4.0000		
Copper, total	ug/L	MW-47	10/01/2020	ND	4.0000		
Copper, total	ug/L	MW-47	04/08/2021	ND	4.0000		
Copper, total	ug/L	MW-47	10/29/2021	ND	4.0000		
Copper, total	ug/L	MW-47	04/25/2022	ND	4.0000		
Copper, total	ug/L	MW-47	10/17/2022	ND	4.0000		
Copper, total	ug/L	MW-47	04/10/2023	ND	4.0000		
Copper, total	ug/L	MW-47	10/27/2023	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-47	04/02/2024		4.4000		
Copper, total	ug/L	MW-47	10/10/2024	ND	4.0000		
Copper, total	ug/L	MW-47	04/15/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-47	10/16/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-47	10/23/2014	ND	4.0000		
Lead, total	ug/L	MW-47	03/31/2015	ND	4.0000		
Lead, total	ug/L	MW-47	07/08/2015	ND	4.0000		
Lead, total	ug/L	MW-47	11/05/2015	ND	4.0000		
Lead, total	ug/L	MW-47	04/21/2016	ND	4.0000		
Lead, total	ug/L	MW-47	10/17/2016	ND	4.0000		
Lead, total	ug/L	MW-47	04/21/2017	ND	4.0000		
Lead, total	ug/L	MW-47	10/16/2017	ND	4.0000		
Lead, total	ug/L	MW-47	04/24/2018	ND	4.0000		
Lead, total	ug/L	MW-47	10/25/2018	ND	4.0000		
Lead, total	ug/L	MW-47	04/15/2019	ND	4.0000		
Lead, total	ug/L	MW-47	10/07/2019	ND	4.0000		
Lead, total	ug/L	MW-47	04/22/2020	ND	4.0000		
Lead, total	ug/L	MW-47	10/01/2020	ND	4.0000		
Lead, total	ug/L	MW-47	04/08/2021	ND	4.0000		
Lead, total	ug/L	MW-47	10/29/2021	ND	4.0000		
Lead, total	ug/L	MW-47	04/25/2022	ND	4.0000		
Lead, total	ug/L	MW-47	10/17/2022	ND	4.0000		
Lead, total	ug/L	MW-47	04/10/2023	ND	4.0000		
Lead, total	ug/L	MW-47	10/27/2023	ND	4.0000		
Lead, total	ug/L	MW-47	04/02/2024	ND	4.0000		
Lead, total	ug/L	MW-47	10/10/2024	ND	4.0000		
Lead, total	ug/L	MW-47	04/15/2025	ND	1.0000		*
Lead, total	ug/L	MW-47	10/16/2025	ND	1.0000		*
Nickel, total	ug/L	MW-47	10/23/2014	ND	4.0000		
Nickel, total	ug/L	MW-47	03/31/2015	ND	4.0000		
Nickel, total	ug/L	MW-47	07/08/2015	ND	4.0000		
Nickel, total	ug/L	MW-47	11/05/2015	ND	4.0000		
Nickel, total	ug/L	MW-47	04/21/2016		9.2000		
Nickel, total	ug/L	MW-47	10/17/2016		31.6000		
Nickel, total	ug/L	MW-47	04/21/2017		4.0000		
Nickel, total	ug/L	MW-47	10/16/2017		5.9000		
Nickel, total	ug/L	MW-47	04/24/2018		15.8000		
Nickel, total	ug/L	MW-47	10/25/2018	ND	4.0000		
Nickel, total	ug/L	MW-47	04/15/2019	ND	4.0000		
Nickel, total	ug/L	MW-47	10/07/2019	ND	4.0000		
Nickel, total	ug/L	MW-47	04/22/2020		4.7000		
Nickel, total	ug/L	MW-47	10/01/2020	ND	4.0000		
Nickel, total	ug/L	MW-47	04/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-47	10/29/2021	ND	4.0000		
Nickel, total	ug/L	MW-47	04/25/2022	ND	4.0000		
Nickel, total	ug/L	MW-47	10/17/2022	ND	4.0000		
Nickel, total	ug/L	MW-47	04/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-47	10/27/2023		11.7000		
Nickel, total	ug/L	MW-47	04/02/2024		8.0000		
Nickel, total	ug/L	MW-47	10/10/2024	ND	4.0000		
Nickel, total	ug/L	MW-47	04/15/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-47	10/16/2025		5.6000		
Selenium, total	ug/L	MW-47	10/23/2014	ND	4.0000		
Selenium, total	ug/L	MW-47	03/31/2015	ND	4.0000		
Selenium, total	ug/L	MW-47	07/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-47	11/05/2015	ND	4.0000		
Selenium, total	ug/L	MW-47	04/21/2016	ND	4.0000		
Selenium, total	ug/L	MW-47	10/17/2016	ND	4.0000		
Selenium, total	ug/L	MW-47	04/21/2017	ND	4.0000		
Selenium, total	ug/L	MW-47	10/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-47	04/24/2018	ND	4.0000		
Selenium, total	ug/L	MW-47	10/25/2018	ND	4.0000		
Selenium, total	ug/L	MW-47	04/15/2019	ND	4.0000		
Selenium, total	ug/L	MW-47	10/07/2019	ND	4.0000		
Selenium, total	ug/L	MW-47	04/22/2020	ND	4.0000		
Selenium, total	ug/L	MW-47	10/01/2020	ND	4.0000		
Selenium, total	ug/L	MW-47	04/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-47	10/29/2021	ND	4.0000		
Selenium, total	ug/L	MW-47	04/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-47	10/17/2022	ND	4.0000		
Selenium, total	ug/L	MW-47	04/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-47	10/27/2023	ND	4.0000		
Selenium, total	ug/L	MW-47	04/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-47	10/10/2024	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, total	ug/L	MW-47	04/15/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-47	10/16/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-47	10/23/2014	ND	4.0000		
Silver, total	ug/L	MW-47	03/31/2015	ND	4.0000		
Silver, total	ug/L	MW-47	07/08/2015	ND	4.0000		
Silver, total	ug/L	MW-47	11/05/2015	ND	4.0000		
Silver, total	ug/L	MW-47	04/21/2016	ND	4.0000		
Silver, total	ug/L	MW-47	10/17/2016	ND	4.0000		
Silver, total	ug/L	MW-47	04/21/2017	ND	4.0000		
Silver, total	ug/L	MW-47	10/16/2017	ND	4.0000		
Silver, total	ug/L	MW-47	04/24/2018	ND	4.0000		
Silver, total	ug/L	MW-47	10/25/2018	ND	4.0000		
Silver, total	ug/L	MW-47	04/15/2019	ND	4.0000		
Silver, total	ug/L	MW-47	10/07/2019	ND	4.0000		
Silver, total	ug/L	MW-47	04/22/2020	ND	4.0000		
Silver, total	ug/L	MW-47	10/01/2020	ND	4.0000		
Silver, total	ug/L	MW-47	04/08/2021	ND	4.0000		
Silver, total	ug/L	MW-47	10/29/2021	ND	4.0000		
Silver, total	ug/L	MW-47	04/25/2022	ND	4.0000		
Silver, total	ug/L	MW-47	10/17/2022	ND	4.0000		
Silver, total	ug/L	MW-47	04/10/2023	ND	4.0000		
Silver, total	ug/L	MW-47	10/27/2023	ND	4.0000		
Silver, total	ug/L	MW-47	04/02/2024	ND	4.0000		
Silver, total	ug/L	MW-47	10/10/2024	ND	4.0000		
Silver, total	ug/L	MW-47	04/15/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-47	10/16/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-47	10/23/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	03/31/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	07/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	11/05/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	04/21/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	10/17/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	04/21/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	10/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	04/24/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	10/25/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	04/15/2019	ND	2.0000		
Thallium, total	ug/L	MW-47	10/07/2019	ND	2.0000		
Thallium, total	ug/L	MW-47	04/22/2020	ND	2.0000		
Thallium, total	ug/L	MW-47	10/01/2020	ND	2.0000		
Thallium, total	ug/L	MW-47	04/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-47	10/29/2021	ND	2.0000		
Thallium, total	ug/L	MW-47	04/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-47	10/17/2022	ND	2.0000		
Thallium, total	ug/L	MW-47	04/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-47	10/27/2023	ND	2.0000		
Thallium, total	ug/L	MW-47	04/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-47	10/10/2024	ND	2.0000		
Thallium, total	ug/L	MW-47	04/15/2025	ND	0.5000		*
Thallium, total	ug/L	MW-47	10/16/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-47	10/23/2014	ND	20.0000		
Vanadium, total	ug/L	MW-47	03/31/2015	ND	20.0000		
Vanadium, total	ug/L	MW-47	07/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-47	11/05/2015	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/21/2016	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/17/2016	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/21/2017	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/24/2018	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/25/2018	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/15/2019	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/07/2019	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/22/2020	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/01/2020	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/29/2021	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/17/2022	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/27/2023	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/10/2024	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/15/2025	ND	2.0000		*
Vanadium, total	ug/L	MW-47	10/16/2025	ND	2.0000		*

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	MW-47	10/23/2014	ND	20.0000		
Zinc, total	ug/L	MW-47	03/31/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	07/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	11/05/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	04/21/2016		12.0000		
Zinc, total	ug/L	MW-47	10/17/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	04/21/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	10/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	04/24/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	10/25/2018	ND	20.0000		
Zinc, total	ug/L	MW-47	04/15/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	10/07/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	04/22/2020	ND	20.0000		
Zinc, total	ug/L	MW-47	10/01/2020	ND	20.0000		
Zinc, total	ug/L	MW-47	04/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-47	10/29/2021	ND	20.0000		
Zinc, total	ug/L	MW-47	04/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-47	10/17/2022	ND	20.0000		
Zinc, total	ug/L	MW-47	04/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-47	10/27/2023		25.9000		
Zinc, total	ug/L	MW-47	04/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-47	10/10/2024	ND	20.0000		
Zinc, total	ug/L	MW-47	04/15/2025	ND	5.0000	20.0000	**
Zinc, total	ug/L	MW-47	10/16/2025		9.3000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, total	ug/L	MW-48A	10/16/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-48A	10/16/2025		14.0000		89.3000
Barium, total	ug/L	MW-48A	10/16/2025		190.0000		1880.0000
Beryllium, total	ug/L	MW-48A	10/16/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-48A	10/16/2025	ND	0.2000		0.9000
Chromium, total	ug/L	MW-48A	10/16/2025		1.0000		20.3000
Cobalt, total	ug/L	MW-48A	10/16/2025		0.7000		12.4000
Copper, total	ug/L	MW-48A	10/16/2025	ND	5.0000		11.3000
Lead, total	ug/L	MW-48A	10/16/2025	ND	1.0000		4.4000
Nickel, total	ug/L	MW-48A	10/16/2025	ND	5.0000		31.6000
Selenium, total	ug/L	MW-48A	10/16/2025	ND	2.0000		4.9000
Silver, total	ug/L	MW-48A	10/16/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-48A	10/16/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-48A	10/16/2025	ND	2.0000		22.4000
Zinc, total	ug/L	MW-48A	10/16/2025		16.2000		38.0000
Antimony, total	ug/L	MW-49A	10/16/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-49A	10/16/2025		43.7000		89.3000
Barium, total	ug/L	MW-49A	10/16/2025		777.0000		1880.0000
Beryllium, total	ug/L	MW-49A	10/16/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-49A	10/16/2025	ND	0.2000		0.9000
Chromium, total	ug/L	MW-49A	10/16/2025	ND	1.0000		20.3000
Cobalt, total	ug/L	MW-49A	10/16/2025		14.8000	***	12.4000
Copper, total	ug/L	MW-49A	10/16/2025	ND	5.0000		11.3000
Lead, total	ug/L	MW-49A	10/16/2025	ND	1.0000		4.4000
Nickel, total	ug/L	MW-49A	10/16/2025		45.7000	***	31.6000
Selenium, total	ug/L	MW-49A	10/16/2025	ND	2.0000		4.9000
Silver, total	ug/L	MW-49A	10/16/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-49A	10/16/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-49A	10/16/2025	ND	2.0000		22.4000
Zinc, total	ug/L	MW-49A	10/16/2025		15.2000		38.0000
Antimony, total	ug/L	MW-50	10/16/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-50	10/16/2025	ND	2.0000		89.3000
Barium, total	ug/L	MW-50	10/16/2025		378.0000		1880.0000
Beryllium, total	ug/L	MW-50	10/16/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-50	10/16/2025	ND	0.2000		0.9000
Chromium, total	ug/L	MW-50	10/16/2025	ND	1.0000		20.3000
Cobalt, total	ug/L	MW-50	10/16/2025	ND	0.5000		12.4000
Copper, total	ug/L	MW-50	10/16/2025	ND	5.0000		11.3000
Lead, total	ug/L	MW-50	10/16/2025	ND	1.0000		4.4000
Nickel, total	ug/L	MW-50	10/16/2025	ND	5.0000		31.6000
Selenium, total	ug/L	MW-50	10/16/2025	ND	2.0000		4.9000
Silver, total	ug/L	MW-50	10/16/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-50	10/16/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-50	10/16/2025	ND	2.0000		22.4000
Zinc, total	ug/L	MW-50	10/16/2025		9.0000		38.0000
Antimony, total	ug/L	MW-51	10/16/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-51	10/16/2025	ND	2.0000		89.3000
Barium, total	ug/L	MW-51	10/16/2025		527.0000		1880.0000
Beryllium, total	ug/L	MW-51	10/16/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-51	10/16/2025	ND	0.2000		0.9000
Chromium, total	ug/L	MW-51	10/16/2025	ND	1.0000		20.3000
Cobalt, total	ug/L	MW-51	10/16/2025	ND	0.5000		12.4000
Copper, total	ug/L	MW-51	10/16/2025		8.4000		11.3000
Lead, total	ug/L	MW-51	10/16/2025	ND	1.0000		4.4000
Nickel, total	ug/L	MW-51	10/16/2025	ND	5.0000		31.6000
Selenium, total	ug/L	MW-51	10/16/2025	ND	2.0000		4.9000
Silver, total	ug/L	MW-51	10/16/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-51	10/16/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-51	10/16/2025	ND	2.0000		22.4000
Zinc, total	ug/L	MW-51	10/16/2025		7.4000		38.0000

* - Current value failed - awaiting verification.
 ** - Current value passed - previous exceedance not verified.
 *** - Current value failed - exceedance verified.
 **** - Current value passed - awaiting one more verification.
 ***** - Insufficient background data to compute prediction limit.
 ND = Not Detected, Result = detection limit.

Table 3**Detection Frequencies in Upgradient and Downgradient Wells**

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Antimony, total	0	120	0.000	1	146	0.007
Arsenic, total	17	105	0.162	72	145	0.497
Barium, total	119	119	1.000	149	149	1.000
Beryllium, total	0	110	0.000	1	144	0.007
Cadmium, total	1	110	0.009	4	144	0.028
Chromium, total	3	109	0.028	13	144	0.090
Cobalt, total	53	116	0.457	77	144	0.535
Copper, total	10	117	0.085	52	145	0.359
Lead, total	3	109	0.028	14	144	0.097
Nickel, total	26	116	0.224	85	145	0.586
Selenium, total	3	119	0.025	1	146	0.007
Silver, total	0	120	0.000	0	146	0.000
Thallium, total	0	110	0.000	2	145	0.014
Vanadium, total	1	110	0.009	8	144	0.056
Zinc, total	18	120	0.150	51	145	0.352

N = Total number of measurements in all wells.

Detect = Total number of detections in all wells.

Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub	Crit Value	Dist Form	Model Type
Antimony, total	0	120	0.000									nonpar
Arsenic, total	17	105	0.162	0.005	0.163					2.326	normal	nonpar
Barium, total	119	119	1.000	4.779	2.436					2.326	non-norm	nonpar
Beryllium, total	0	110	0.000									nonpar
Cadmium, total	1	110	0.009									nonpar
Chromium, total	3	109	0.028									nonpar
Cobalt, total	53	116	0.457	4.769	2.015					2.326	lognor	nonpar
Copper, total	10	117	0.085	0.449	0.934					2.326	normal	nonpar
Lead, total	3	109	0.028	2.393	2.163					2.326	lognor	nonpar
Nickel, total	26	116	0.224	2.723	2.206					2.326	lognor	nonpar
Selenium, total	3	119	0.025	0.346	0.307					2.326	normal	nonpar
Silver, total	0	120	0.000									nonpar
Thallium, total	0	110	0.000									nonpar
Vanadium, total	1	110	0.009									nonpar
Zinc, total	18	120	0.150	0.210	0.573					2.326	normal	nonpar

* - Distribution override for that constituent.

Fit to distribution is confirmed if $G \leq$ critical value.

Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Antimony, total	ug/L	0	120					2.0000	nonpar	***	0.99
Arsenic, total	ug/L	17	105					89.3000	nonpar		0.99
Barium, total	ug/L	119	119					1880.0000	nonpar		0.99
Beryllium, total	ug/L	0	110					4.0000	nonpar	***	0.99
Cadmium, total	ug/L	1	110					0.9000	nonpar		0.99
Chromium, total	ug/L	3	109					20.3000	nonpar		0.99
Cobalt, total	ug/L	53	116					12.4000	nonpar		0.99
Copper, total	ug/L	10	117					11.3000	nonpar		0.99
Lead, total	ug/L	3	109					4.4000	nonpar		0.99
Nickel, total	ug/L	26	116					31.6000	nonpar		0.99
Selenium, total	ug/L	3	119					4.9000	nonpar		0.99
Silver, total	ug/L	0	120					4.0000	nonpar	***	0.99
Thallium, total	ug/L	0	110					2.0000	nonpar	***	0.99
Vanadium, total	ug/L	1	110					22.4000	nonpar		0.99
Zinc, total	ug/L	18	120					38.0000	nonpar		0.99

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).

* - Insufficient Data.

** - Calculated limit raised to Manual Reporting Limit.

*** - Nonparametric limit based on ND value.

For transformed data, mean and SD in transformed units and prediction limit in original units.

All sample sizes and statistics are based on outlier free data.

For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

**Dixon's Test Outliers
1% Significance Level**

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Beryllium, total	ug/L	MW-36	04/15/2025	0.5000	< 0.5000	07/08/2015-10/16/2025	21	0.5381
Beryllium, total	ug/L	MW-36	10/16/2025	0.5000	< 0.5000	07/08/2015-10/16/2025	21	0.5381
Cadmium, total	ug/L	MW-36	04/15/2025	0.2000		07/08/2015-10/16/2025	21	0.5381
Cadmium, total	ug/L	MW-36	10/16/2025	0.2000	< 0.2000	07/08/2015-10/16/2025	21	0.5381
Chromium, total	ug/L	MW-36	04/15/2025	1.4000		07/08/2015-10/16/2025	21	0.5381
Chromium, total	ug/L	MW-36	10/16/2025	1.0000		07/08/2015-10/16/2025	21	0.5381
Copper, total	ug/L	MW-36	10/10/2024	19.2000		07/08/2015-10/16/2025	21	0.5263
Lead, total	ug/L	MW-36	04/15/2025	1.0000	< 1.0000	07/08/2015-10/16/2025	21	0.5381
Lead, total	ug/L	MW-36	10/16/2025	1.0000	< 1.0000	07/08/2015-10/16/2025	21	0.5381
Thallium, total	ug/L	MW-36	04/15/2025	0.5000	< 0.5000	07/08/2015-10/16/2025	21	0.5381
Thallium, total	ug/L	MW-36	10/16/2025	0.5000	< 0.5000	07/08/2015-10/16/2025	21	0.5381
Vanadium, total	ug/L	MW-36	04/15/2025	2.1000		07/08/2015-10/16/2025	21	0.5381
Vanadium, total	ug/L	MW-36	10/16/2025	2.0000	< 2.0000	07/08/2015-10/16/2025	21	0.5381
Beryllium, total	ug/L	MW-37	04/15/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	25	0.4969
Beryllium, total	ug/L	MW-37	10/16/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	25	0.4969
Cadmium, total	ug/L	MW-37	04/15/2025	0.2000	< 0.2000	10/23/2014-10/16/2025	25	0.4969
Cadmium, total	ug/L	MW-37	10/16/2025	0.2000	< 0.2000	10/23/2014-10/16/2025	25	0.4969
Chromium, total	ug/L	MW-37	04/15/2025	2.1000		10/23/2014-10/16/2025	25	0.4969
Chromium, total	ug/L	MW-37	10/16/2025	1.1000		10/23/2014-10/16/2025	25	0.4969
Cobalt, total	ug/L	MW-37	10/27/2023	9.6000		10/23/2014-10/16/2025	25	0.4969
Cobalt, total	ug/L	MW-37	10/10/2024	4.4000		10/23/2014-10/16/2025	25	0.4969
Copper, total	ug/L	MW-37	10/25/2018	13.7000		10/23/2014-10/16/2025	25	0.4893
Lead, total	ug/L	MW-37	04/15/2025	1.0000	< 1.0000	10/23/2014-10/16/2025	24	0.5065
Lead, total	ug/L	MW-37	10/16/2025	1.0000	< 1.0000	10/23/2014-10/16/2025	24	0.5065
Nickel, total	ug/L	MW-37	10/27/2023	13.9000		10/23/2014-10/16/2025	25	0.4969
Nickel, total	ug/L	MW-37	10/10/2024	18.7000		10/23/2014-10/16/2025	25	0.4969
Thallium, total	ug/L	MW-37	04/15/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	25	0.4969
Thallium, total	ug/L	MW-37	10/16/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	25	0.4969
Vanadium, total	ug/L	MW-37	04/15/2025	2.0000	< 2.0000	10/23/2014-10/16/2025	25	0.4969
Vanadium, total	ug/L	MW-37	10/16/2025	2.0000	< 2.0000	10/23/2014-10/16/2025	25	0.4969
Beryllium, total	ug/L	MW-39	04/15/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	25	0.4969
Beryllium, total	ug/L	MW-39	10/16/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	25	0.4969
Cadmium, total	ug/L	MW-39	04/15/2025	0.2000	< 0.2000	10/23/2014-10/16/2025	25	0.4969
Cadmium, total	ug/L	MW-39	10/16/2025	0.2000	< 0.2000	10/23/2014-10/16/2025	25	0.4969
Chromium, total	ug/L	MW-39	01/08/2015	29.6000		10/23/2014-10/16/2025	25	0.4893
Chromium, total	ug/L	MW-39	04/15/2025	1.2000		10/23/2014-10/16/2025	25	0.4969
Chromium, total	ug/L	MW-39	10/16/2025	1.0000	< 1.0000	10/23/2014-10/16/2025	25	0.4969
Cobalt, total	ug/L	MW-39	11/05/2015	3.3000		10/23/2014-10/16/2025	25	0.4893
Copper, total	ug/L	MW-39	04/02/2024	126.0000		10/23/2014-10/16/2025	25	0.4893
Lead, total	ug/L	MW-39	04/15/2025	1.0000	< 1.0000	10/23/2014-10/16/2025	25	0.4969
Lead, total	ug/L	MW-39	10/16/2025	1.0000	< 1.0000	10/23/2014-10/16/2025	25	0.4969
Nickel, total	ug/L	MW-39	01/08/2015	20.5000		10/23/2014-10/16/2025	25	0.4893
Thallium, total	ug/L	MW-39	04/15/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	25	0.4969
Thallium, total	ug/L	MW-39	10/16/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	25	0.4969
Vanadium, total	ug/L	MW-39	04/15/2025	2.0000	< 2.0000	10/23/2014-10/16/2025	25	0.4969
Vanadium, total	ug/L	MW-39	10/16/2025	2.0000	< 2.0000	10/23/2014-10/16/2025	25	0.4969
Beryllium, total	ug/L	MW-40	04/15/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	25	0.4969
Beryllium, total	ug/L	MW-40	10/16/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	25	0.4969
Cadmium, total	ug/L	MW-40	04/15/2025	0.2000	< 0.2000	10/23/2014-10/16/2025	25	0.4969
Cadmium, total	ug/L	MW-40	10/16/2025	0.2000	< 0.2000	10/23/2014-10/16/2025	25	0.4969
Chromium, total	ug/L	MW-40	04/15/2025	1.2000		10/23/2014-10/16/2025	25	0.4969
Chromium, total	ug/L	MW-40	10/16/2025	1.2000		10/23/2014-10/16/2025	25	0.4969
Lead, total	ug/L	MW-40	04/15/2025	1.0000	< 1.0000	10/23/2014-10/16/2025	25	0.4969
Lead, total	ug/L	MW-40	10/16/2025	1.0000	< 1.0000	10/23/2014-10/16/2025	25	0.4969
Thallium, total	ug/L	MW-40	04/15/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	25	0.4969
Thallium, total	ug/L	MW-40	10/16/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	25	0.4969
Vanadium, total	ug/L	MW-40	04/15/2025	2.0000	< 2.0000	10/23/2014-10/16/2025	25	0.4969
Vanadium, total	ug/L	MW-40	10/16/2025	2.9000		10/23/2014-10/16/2025	25	0.4969
Beryllium, total	ug/L	MW-47	04/15/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	24	0.5065
Beryllium, total	ug/L	MW-47	10/16/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	24	0.5065
Cadmium, total	ug/L	MW-47	04/15/2025	0.2000	< 0.2000	10/23/2014-10/16/2025	24	0.5065
Cadmium, total	ug/L	MW-47	10/16/2025	0.2000	< 0.2000	10/23/2014-10/16/2025	24	0.5065
Chromium, total	ug/L	MW-47	04/15/2025	1.3000		10/23/2014-10/16/2025	24	0.5065
Chromium, total	ug/L	MW-47	10/16/2025	1.0000	< 1.0000	10/23/2014-10/16/2025	24	0.5065
Lead, total	ug/L	MW-47	04/15/2025	1.0000	< 1.0000	10/23/2014-10/16/2025	24	0.5065
Lead, total	ug/L	MW-47	10/16/2025	1.0000	< 1.0000	10/23/2014-10/16/2025	24	0.5065
Thallium, total	ug/L	MW-47	04/15/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	24	0.5065
Thallium, total	ug/L	MW-47	10/16/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	24	0.5065
Vanadium, total	ug/L	MW-47	04/15/2025	2.0000	< 2.0000	10/23/2014-10/16/2025	24	0.5065
Vanadium, total	ug/L	MW-47	10/16/2025	2.0000	< 2.0000	10/23/2014-10/16/2025	24	0.5065

N = Total number of independent measurements in background at each well.

Date Range = Dates of the first and last measurements included in background at each well.

Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Cobalt, total	ug/L	MW-49A	06/13/2008	ND	12.0000	12.4000
Cobalt, total	ug/L	MW-49A	08/22/2008		10.0000	12.4000
Cobalt, total	ug/L	MW-49A	10/01/2008		6.0000	12.4000
Cobalt, total	ug/L	MW-49A	12/23/2008		4.2000	12.4000
Cobalt, total	ug/L	MW-49A	04/03/2009		11.2000	12.4000
Cobalt, total	ug/L	MW-49A	06/19/2009		8.4000	12.4000
Cobalt, total	ug/L	MW-49A	10/09/2009		8.3000	12.4000
Cobalt, total	ug/L	MW-49A	02/23/2010		8.8000	12.4000
Cobalt, total	ug/L	MW-49A	04/13/2010		21.8000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/14/2010		10.9000	12.4000
Cobalt, total	ug/L	MW-49A	04/08/2011		11.0000	12.4000
Cobalt, total	ug/L	MW-49A	10/18/2011		12.0000	12.4000
Cobalt, total	ug/L	MW-49A	04/18/2012		15.5000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/17/2012		9.2000	12.4000
Cobalt, total	ug/L	MW-49A	04/03/2013		25.7000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/09/2013		14.0000 *	12.4000
Cobalt, total	ug/L	MW-49A	04/16/2014		20.3000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/23/2014		12.0000	12.4000
Cobalt, total	ug/L	MW-49A	03/31/2015		13.3000 *	12.4000
Cobalt, total	ug/L	MW-49A	11/05/2015		15.2000 *	12.4000
Cobalt, total	ug/L	MW-49A	04/21/2016		14.5000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/17/2016		1.1000	12.4000
Cobalt, total	ug/L	MW-49A	04/21/2017		14.9000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/16/2017		5.9000	12.4000
Cobalt, total	ug/L	MW-49A	04/24/2018		24.5000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/25/2018		7.3000	12.4000
Cobalt, total	ug/L	MW-49A	04/15/2019		18.0000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/07/2019		2.7000	12.4000
Cobalt, total	ug/L	MW-49A	04/23/2020		19.1000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/01/2020		16.8000 *	12.4000
Cobalt, total	ug/L	MW-49A	04/08/2021		21.0000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/29/2021		2.6000	12.4000
Cobalt, total	ug/L	MW-49A	04/25/2022		16.5000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/17/2022		20.3000 *	12.4000
Cobalt, total	ug/L	MW-49A	04/10/2023		20.6000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/27/2023		20.5000 *	12.4000
Cobalt, total	ug/L	MW-49A	04/02/2024		19.9000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/10/2024		10.2000	12.4000
Cobalt, total	ug/L	MW-49A	04/15/2025		13.2000 *	12.4000
Cobalt, total	ug/L	MW-49A	10/16/2025		14.8000 *	12.4000
Nickel, total	ug/L	MW-49A	06/13/2008	ND	35.0000 *	31.6000
Nickel, total	ug/L	MW-49A	08/22/2008		48.0000 *	31.6000
Nickel, total	ug/L	MW-49A	10/01/2008		40.6000 *	31.6000
Nickel, total	ug/L	MW-49A	12/23/2008		33.7000 *	31.6000
Nickel, total	ug/L	MW-49A	04/03/2009		43.3000 *	31.6000
Nickel, total	ug/L	MW-49A	06/19/2009		38.9000 *	31.6000
Nickel, total	ug/L	MW-49A	10/09/2009		39.6000 *	31.6000
Nickel, total	ug/L	MW-49A	02/23/2010		39.6000 *	31.6000
Nickel, total	ug/L	MW-49A	04/13/2010		64.9000 *	31.6000
Nickel, total	ug/L	MW-49A	10/14/2010		37.7000 *	31.6000
Nickel, total	ug/L	MW-49A	04/08/2011		47.9000 *	31.6000
Nickel, total	ug/L	MW-49A	10/18/2011		43.2000 *	31.6000
Nickel, total	ug/L	MW-49A	04/18/2012		57.3000 *	31.6000
Nickel, total	ug/L	MW-49A	10/17/2012		36.9000 *	31.6000
Nickel, total	ug/L	MW-49A	04/03/2013		83.2000 *	31.6000
Nickel, total	ug/L	MW-49A	10/09/2013		33.9000 *	31.6000
Nickel, total	ug/L	MW-49A	04/16/2014		62.9000 *	31.6000
Nickel, total	ug/L	MW-49A	10/23/2014		32.2000 *	31.6000
Nickel, total	ug/L	MW-49A	03/31/2015		32.8000 *	31.6000
Nickel, total	ug/L	MW-49A	11/05/2015		35.1000 *	31.6000
Nickel, total	ug/L	MW-49A	04/21/2016		38.5000 *	31.6000
Nickel, total	ug/L	MW-49A	10/17/2016		4.0000	31.6000
Nickel, total	ug/L	MW-49A	04/21/2017		37.6000 *	31.6000
Nickel, total	ug/L	MW-49A	10/16/2017		13.3000	31.6000
Nickel, total	ug/L	MW-49A	04/24/2018		61.9000 *	31.6000
Nickel, total	ug/L	MW-49A	10/25/2018		9.3000	31.6000
Nickel, total	ug/L	MW-49A	04/15/2019		41.9000 *	31.6000
Nickel, total	ug/L	MW-49A	10/07/2019		7.4000	31.6000
Nickel, total	ug/L	MW-49A	04/23/2020		49.6000 *	31.6000
Nickel, total	ug/L	MW-49A	10/01/2020		46.9000 *	31.6000
Nickel, total	ug/L	MW-49A	04/08/2021		48.9000 *	31.6000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result		Pred. Limit
Nickel, total	ug/L	MW-49A	10/29/2021		7.3000		31.6000
Nickel, total	ug/L	MW-49A	04/25/2022		50.7000	*	31.6000
Nickel, total	ug/L	MW-49A	10/17/2022		54.3000	*	31.6000
Nickel, total	ug/L	MW-49A	04/10/2023		55.4000	*	31.6000
Nickel, total	ug/L	MW-49A	10/27/2023		50.5000	*	31.6000
Nickel, total	ug/L	MW-49A	04/02/2024		49.4000	*	31.6000
Nickel, total	ug/L	MW-49A	10/10/2024		45.6000	*	31.6000
Nickel, total	ug/L	MW-49A	04/15/2025		41.1000	*	31.6000
Nickel, total	ug/L	MW-49A	10/16/2025		45.7000	*	31.6000

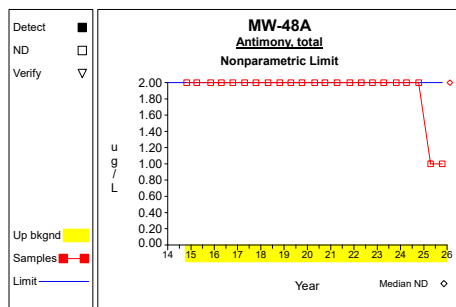
* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

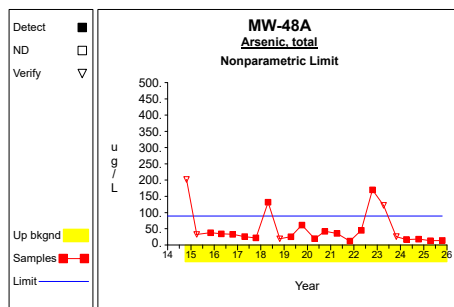
*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

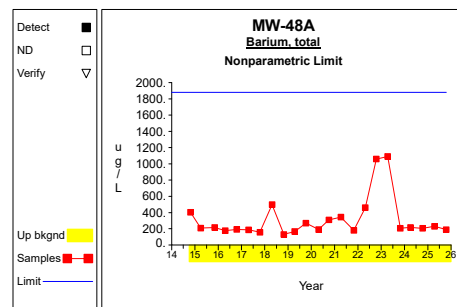
Up vs. Down Prediction Limits



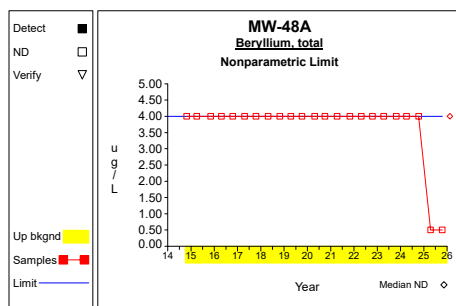
Graph 1



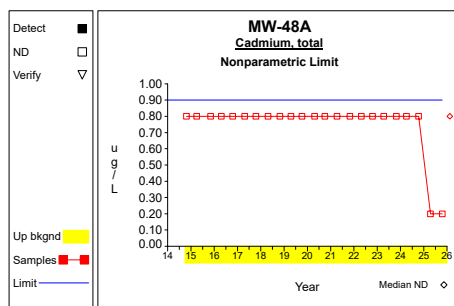
Graph 2



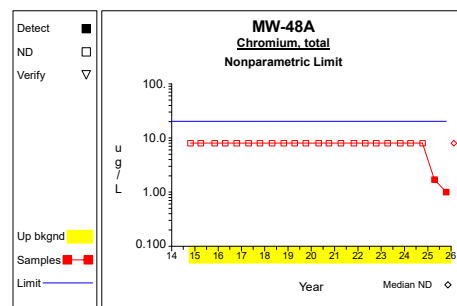
Graph 3



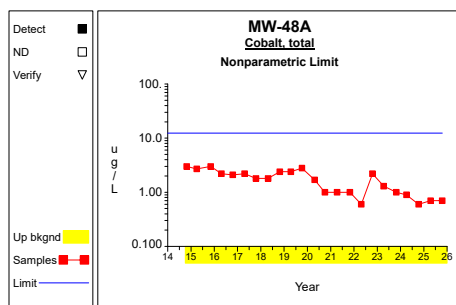
Graph 4



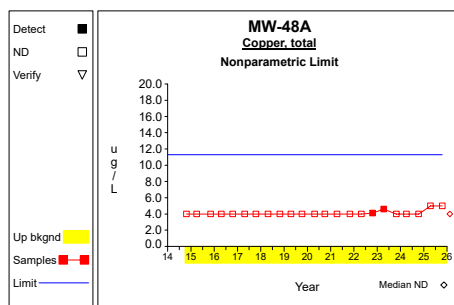
Graph 5



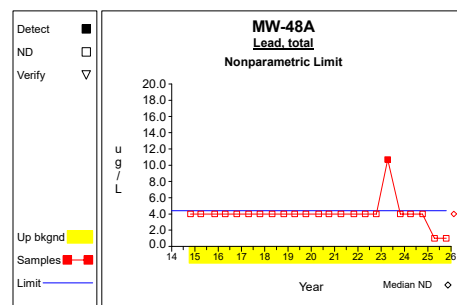
Graph 6



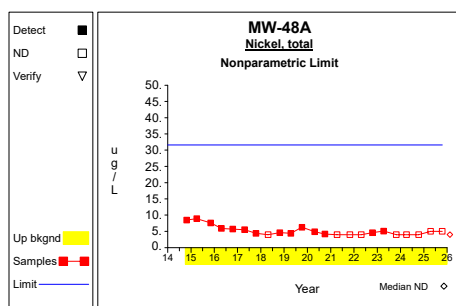
Graph 7



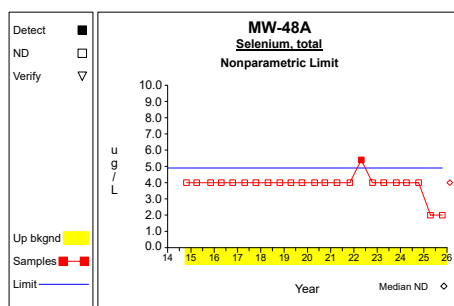
Graph 8



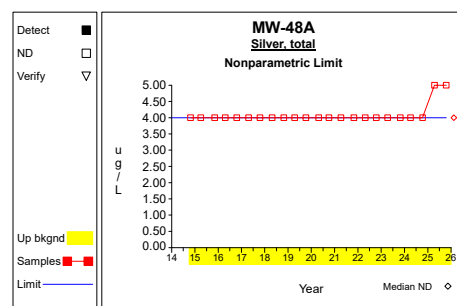
Graph 9



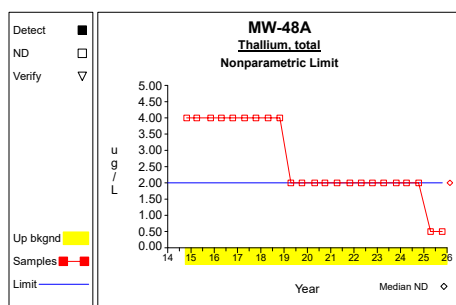
Graph 10



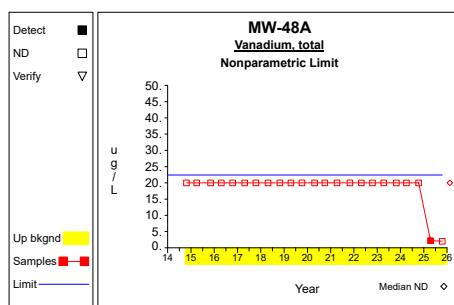
Graph 11



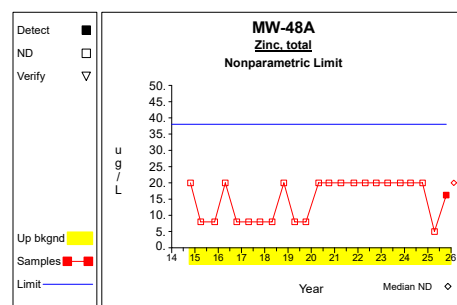
Graph 12



Graph 13

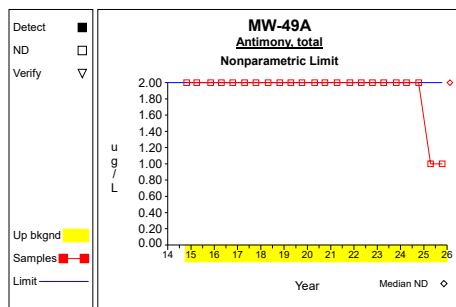


Graph 14

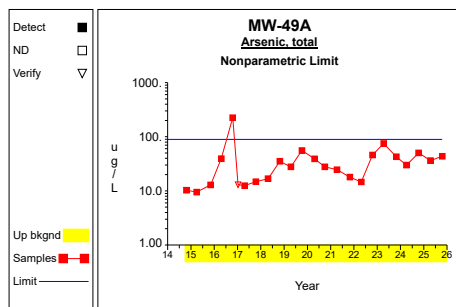


Graph 15

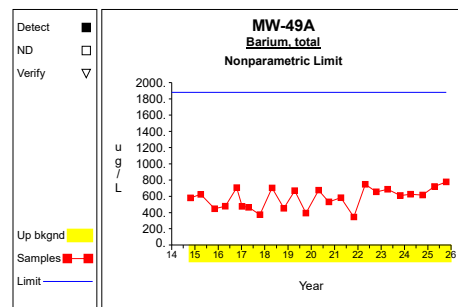
Up vs. Down Prediction Limits



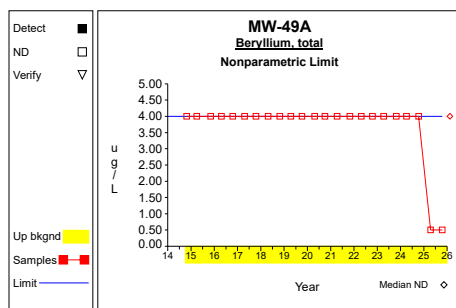
Graph 16



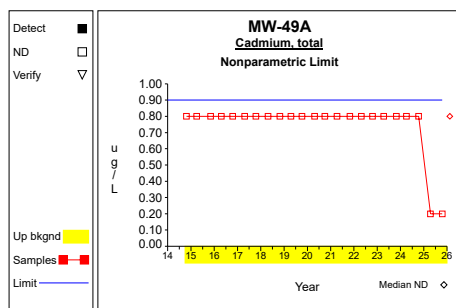
Graph 17



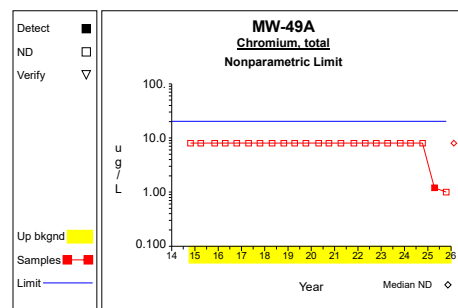
Graph 18



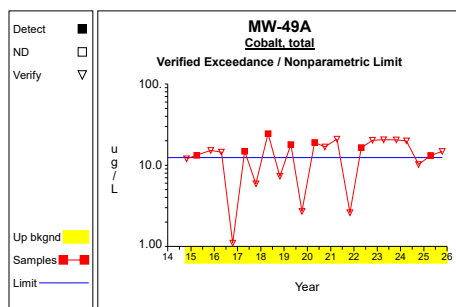
Graph 19



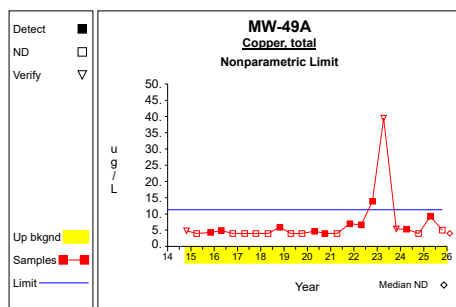
Graph 20



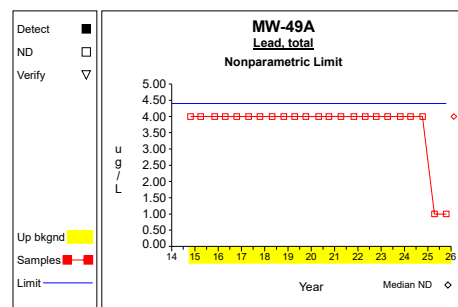
Graph 21



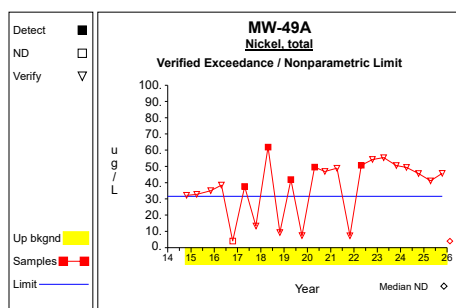
Graph 22



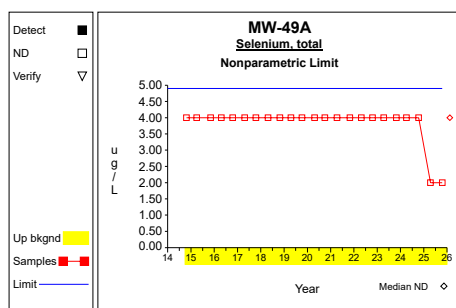
Graph 23



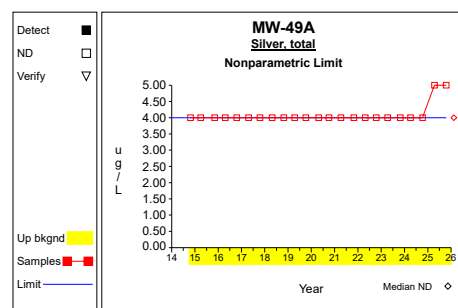
Graph 24



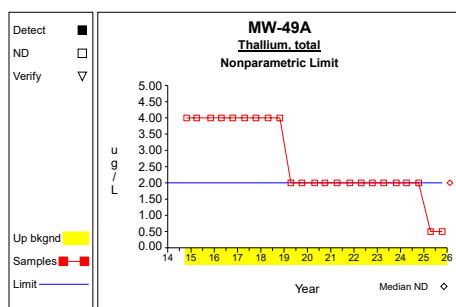
Graph 25



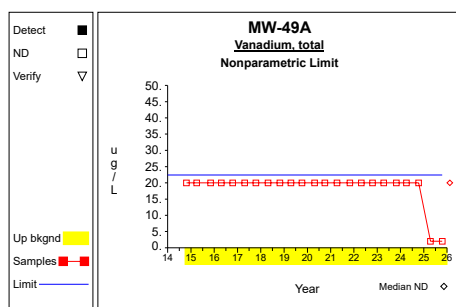
Graph 26



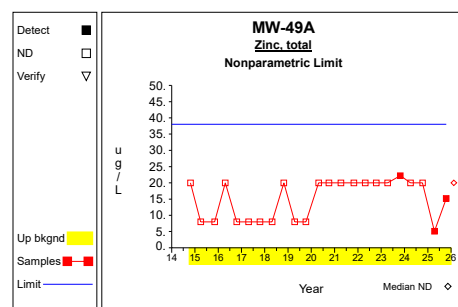
Graph 27



Graph 28

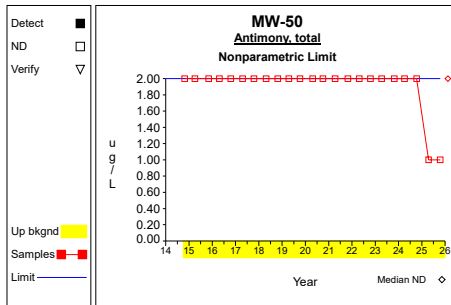


Graph 29

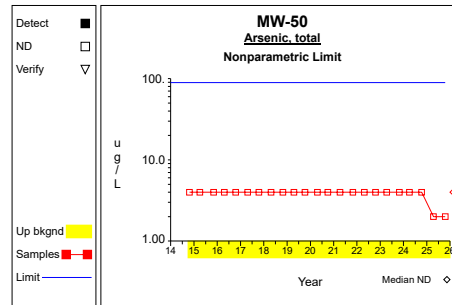


Graph 30

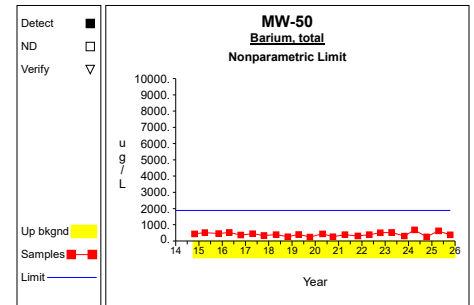
Up vs. Down Prediction Limits



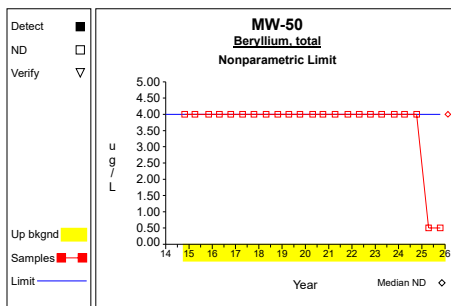
Graph 31



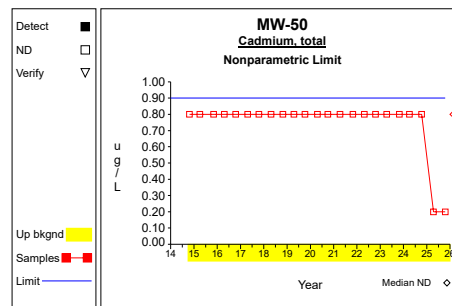
Graph 32



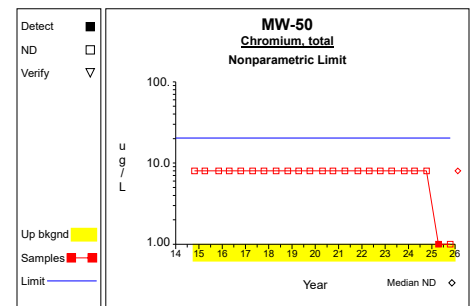
Graph 33



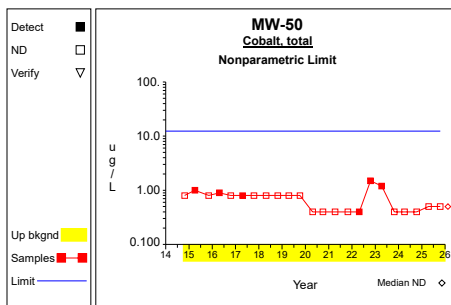
Graph 34



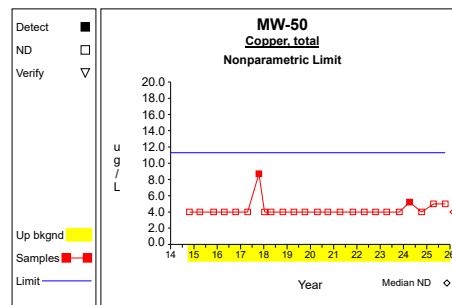
Graph 35



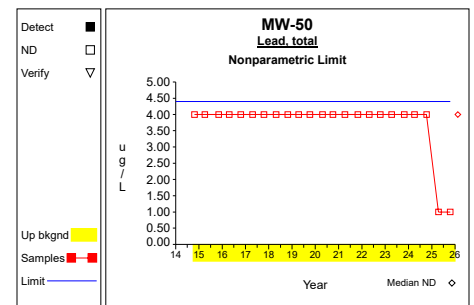
Graph 36



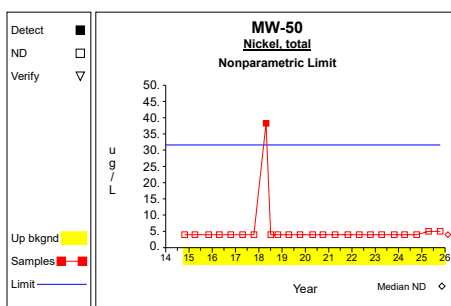
Graph 37



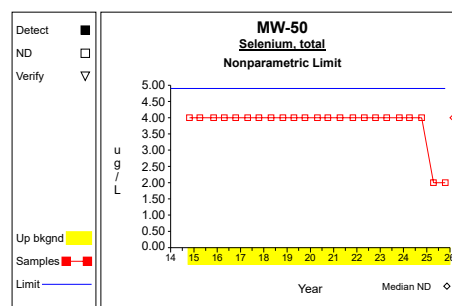
Graph 38



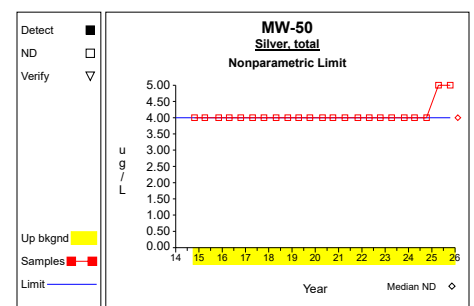
Graph 39



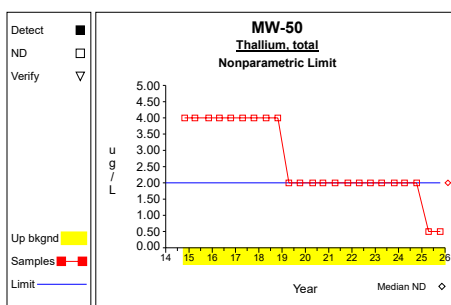
Graph 40



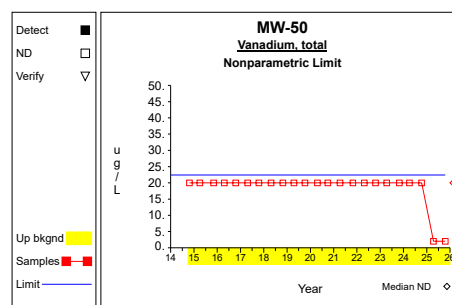
Graph 41



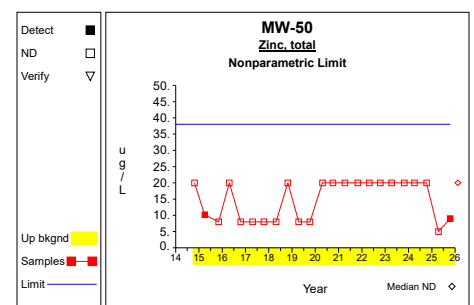
Graph 42



Graph 43

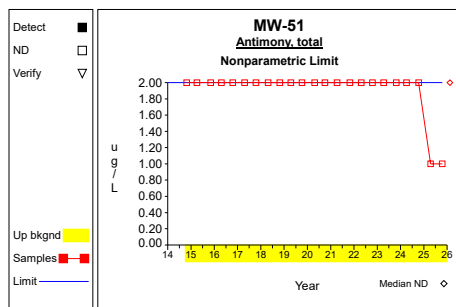


Graph 44

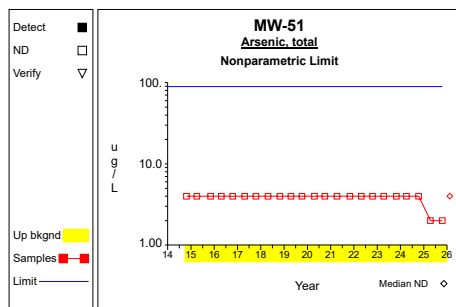


Graph 45

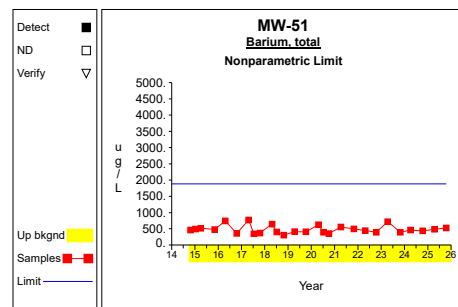
Up vs. Down Prediction Limits



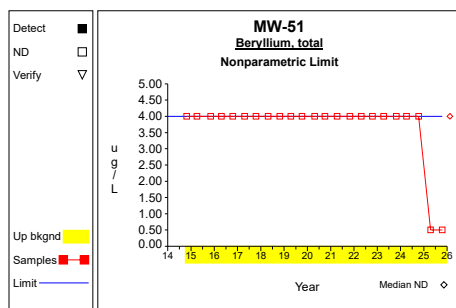
Graph 46



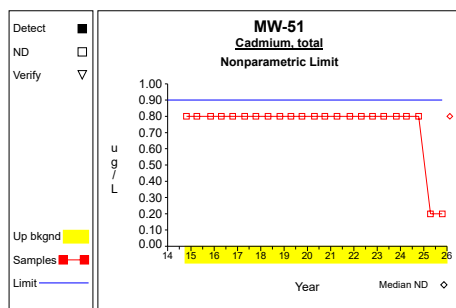
Graph 47



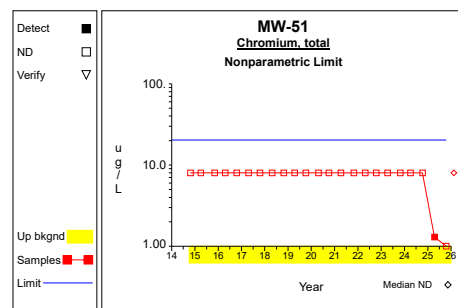
Graph 48



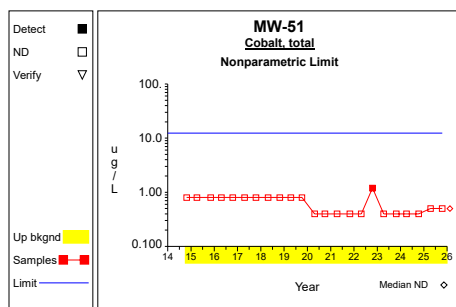
Graph 49



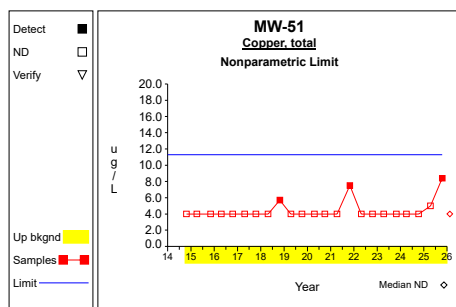
Graph 50



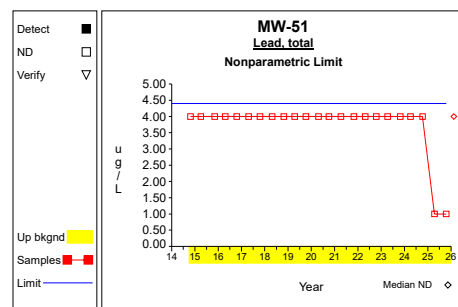
Graph 51



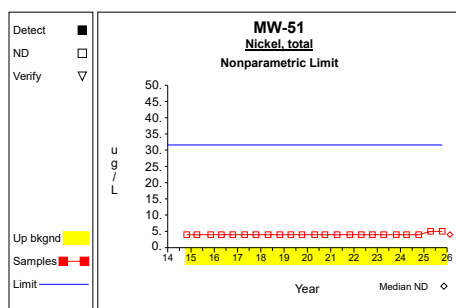
Graph 52



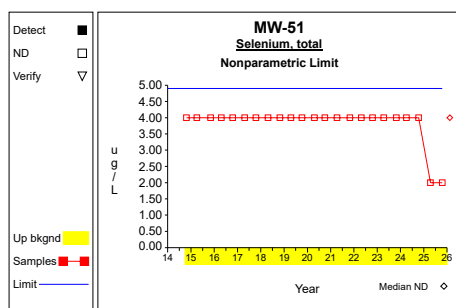
Graph 53



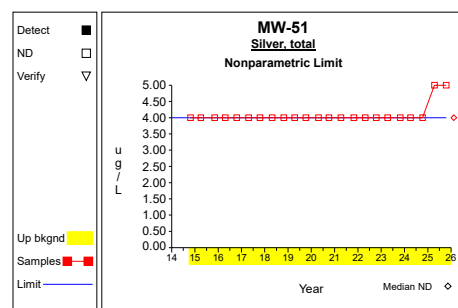
Graph 54



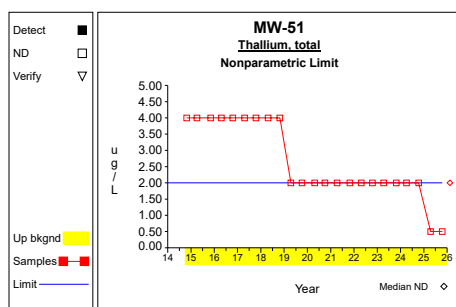
Graph 55



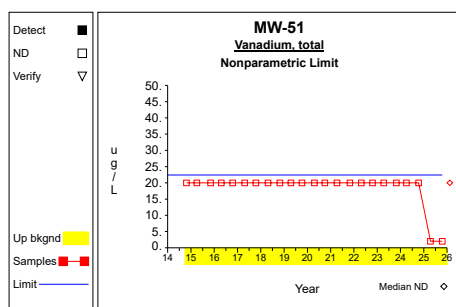
Graph 56



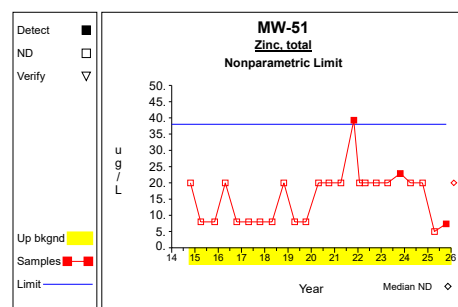
Graph 57



Graph 58

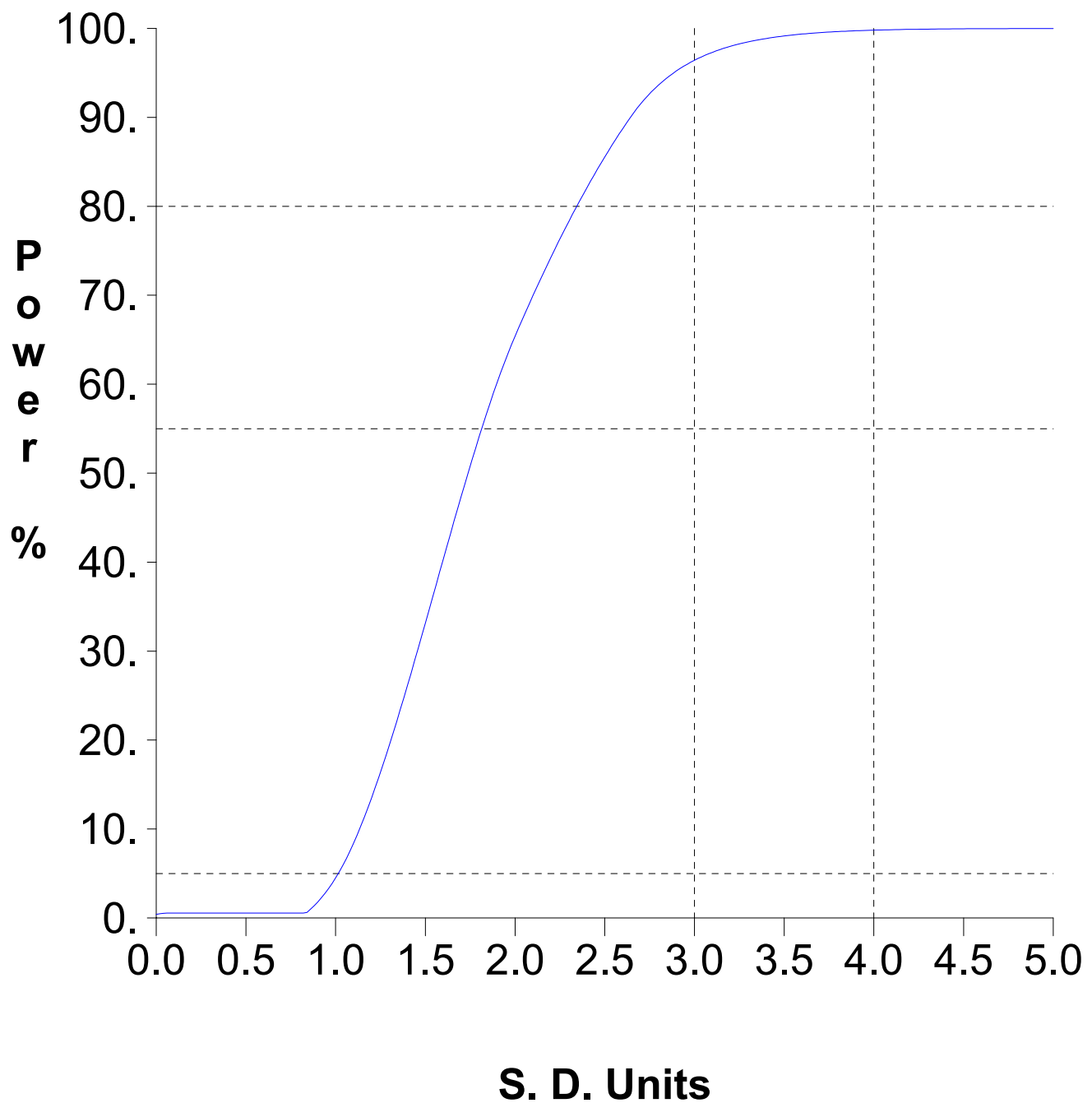


Graph 59



Graph 60

False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program



Attachment C

Assessment Statistics for Trace Metal Exceedances

Table 1

**Confidence Intervals for Comparing the Mean of the Last
4 Measurements to an Assessment Monitoring Standard**

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Arsenic, total	ug/L	MW-48A	4	15.675	2.406	1.176	12.845	18.505	10.000		**
Cobalt, total	ug/L	MW-48A	4	0.725	0.126	1.176	0.577	0.873	2.100	dec	
Nickel, total	ug/L	MW-48A	4	2.000	0.000	1.176	2.000	2.000	100.000	dec	
Arsenic, total	ug/L	MW-49A	4	40.075	8.951	1.176	29.546	50.604	10.000	inc	**
Cobalt, total	ug/L	MW-49A	4	14.525	4.059	1.176	9.750	19.300	2.100		**
Nickel, total	ug/L	MW-49A	4	45.450	3.397	1.176	41.455	49.445	100.000		

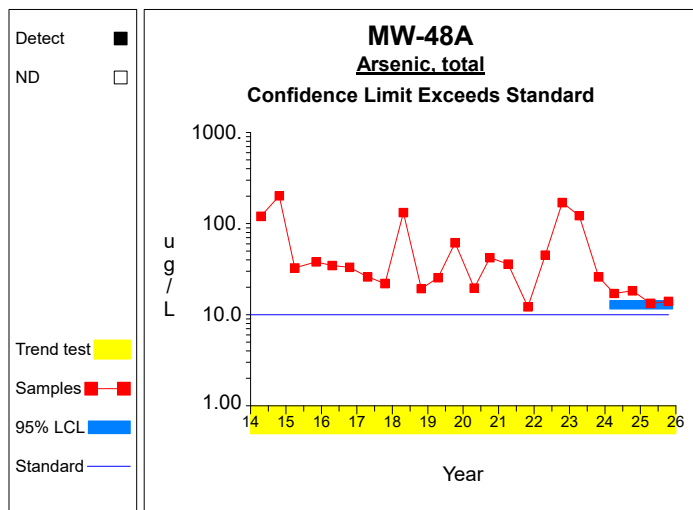
* - Insufficient Data

** - Significant Exceedance

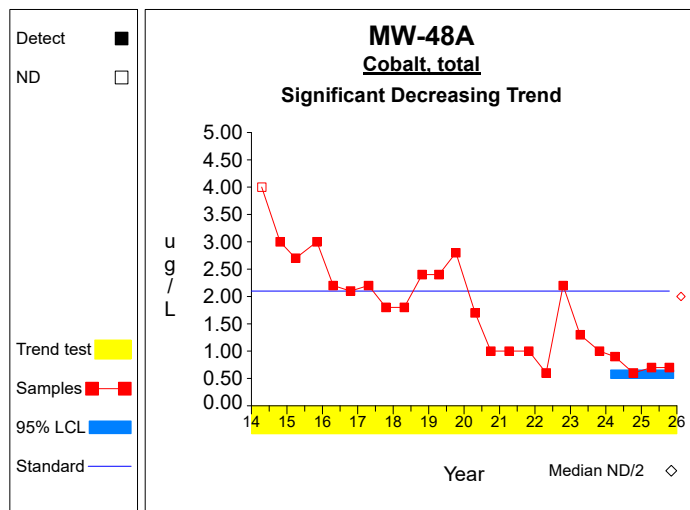
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

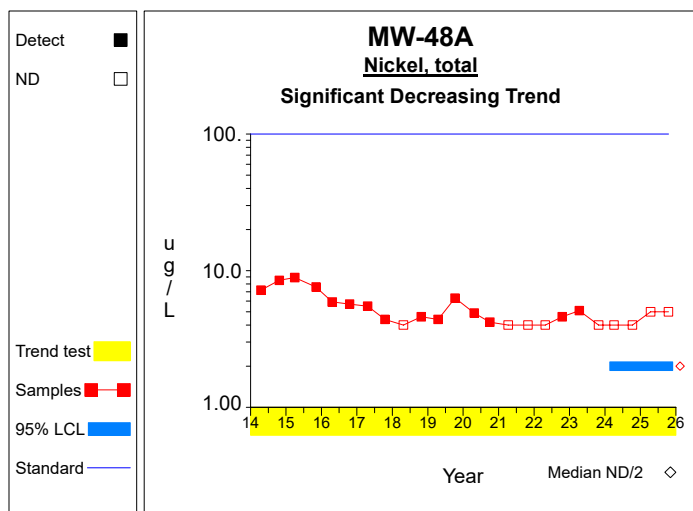
Confidence Limits (Assessment)



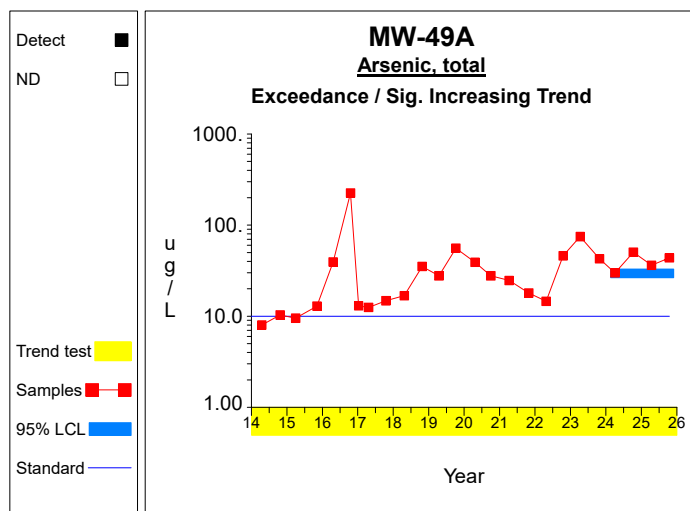
Graph 1



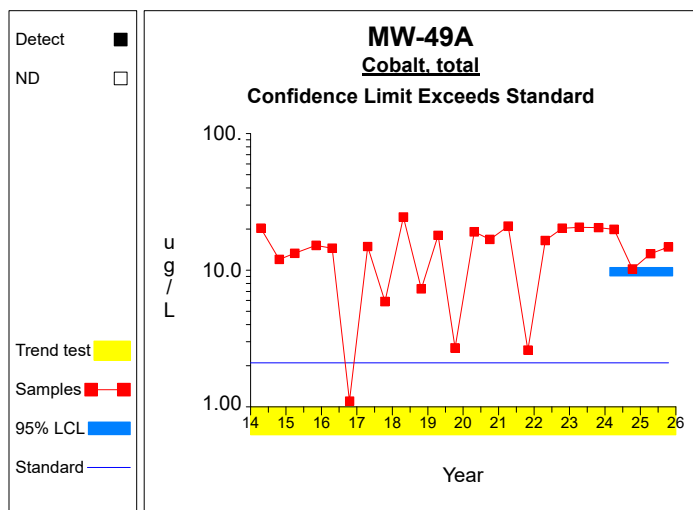
Graph 2



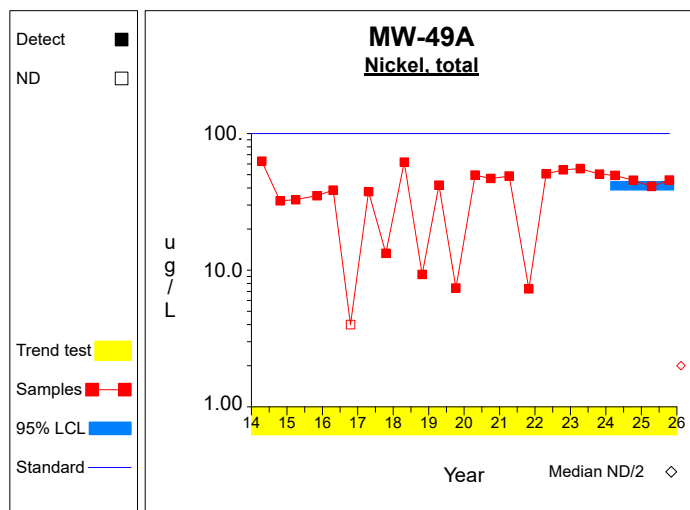
Graph 3



Graph 4



Graph 5



Graph 6

Attachment D

Summary Table of Historical VOC Detections

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chloroethane	GWD-1	10/18/2011		1.2	1.0	ug/L
Acetone	MW-37	10/16/2017		18.6	10.0	ug/L
Acetone	MW-39	10/16/2017		11	10	ug/L
Acetone	MW-48A	10/16/2017		16.3	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-48A	3/31/2015		17	8	ug/L
Acetone	MW-49A	4/16/2014		43.2	10.0	ug/L
Acetone	MW-49A	10/29/2021		281.0	10.0	ug/L
Acetone	MW-49A	4/25/2022		23.8	10.0	ug/L
Benzene	MW-49A	7/12/2005		1.0	1.0	ug/L
Benzene	MW-49A	4/11/2006		1.3	1.0	ug/L
Benzene	MW-49A	10/12/2006		1.3	1.0	ug/L
Benzene	MW-49A	4/20/2007		1.6	1.0	ug/L
Benzene	MW-49A	10/03/2007		2.0	1.0	ug/L
Benzene	MW-49A	6/13/2008		1.2	1.0	ug/L
Benzene	MW-49A	8/22/2008		2.0	1.0	ug/L
Benzene	MW-49A	12/23/2008		1.4	1.0	ug/L
Benzene	MW-49A	4/03/2009		1.9	1.0	ug/L
Benzene	MW-49A	6/19/2009		1.3	1.0	ug/L
Benzene	MW-49A	10/09/2009		1.9	1.0	ug/L
Benzene	MW-49A	2/23/2010		1.2	1.0	ug/L
Benzene	MW-49A	4/13/2010		1.6	1.0	ug/L
Benzene	MW-49A	10/18/2011		1.4	1.0	ug/L
Benzene	MW-49A	4/18/2012		1.9	1.0	ug/L
Benzene	MW-49A	10/09/2013		2.3	1.0	ug/L
Benzene	MW-49A	4/16/2014		1.8	1.0	ug/L
Benzene	MW-49A	10/23/2014		2.9	1.0	ug/L
Benzene	MW-49A	3/31/2015		3.5	1.0	ug/L
Benzene	MW-49A	11/05/2015		5.7	1.0	ug/L
Benzene	MW-49A	4/21/2016		3.4	1.0	ug/L
Benzene	MW-49A	10/17/2016		2.7	1.0	ug/L
Benzene	MW-49A	4/21/2017		1.6	1.0	ug/L
Benzene	MW-49A	10/16/2017		4.0	1.0	ug/L
Benzene	MW-49A	4/24/2018		3.4	1.0	ug/L
Benzene	MW-49A	10/25/2018		4.0	1.0	ug/L
Benzene	MW-49A	4/15/2019		3.2	1.0	ug/L
Benzene	MW-49A	10/07/2019		1.6	1.0	ug/L
Benzene	MW-49A	4/23/2020		2.4	1.0	ug/L
Benzene	MW-49A	10/01/2020		2.9	1.0	ug/L
Benzene	MW-49A	4/08/2021		3.4	1.0	ug/L
Benzene	MW-49A	10/29/2021		7.0	1.0	ug/L
Benzene	MW-49A	4/25/2022		5.9	1.0	ug/L
Benzene	MW-49A	10/17/2022		5.8	1.0	ug/L
Benzene	MW-49A	4/10/2023		4.2	1.0	ug/L
Benzene	MW-49A	10/27/2023		3.4	1.0	ug/L
Benzene	MW-49A	4/02/2024		2.8	1.0	ug/L
Benzene	MW-49A	10/10/2024		2.4	1.0	ug/L
Benzene	MW-49A	4/15/2025		4.6	1.0	ug/L
Benzene	MW-49A	10/16/2025		5.4	1.0	ug/L
Carbon disulfide	MW-49A	10/16/2025		1.7	1.0	ug/L
Chloroethane	MW-49A	8/22/2008		2.0	1.0	ug/L
Chloroethane	MW-49A	4/03/2009		1.7	1.0	ug/L
Chloroethane	MW-49A	6/19/2009		1.8	1.0	ug/L
Chloroethane	MW-49A	10/09/2009		2.2	1.0	ug/L
Chloroethane	MW-49A	2/23/2010		1.5	1.0	ug/L
Chloroethane	MW-49A	4/13/2010		2.2	1.0	ug/L
Chloroethane	MW-49A	10/14/2010		2.8	1.0	ug/L
Chloroethane	MW-49A	4/08/2011		1.5	1.0	ug/L
Chloroethane	MW-49A	10/18/2011		2.2	1.0	ug/L
Chloroethane	MW-49A	4/18/2012		2.3	1.0	ug/L
Chloroethane	MW-49A	10/17/2012		1.8	1.0	ug/L
Chloroethane	MW-49A	4/03/2013		2.1	1.0	ug/L
Chloroethane	MW-49A	10/09/2013		3.6	1.0	ug/L
Chloroethane	MW-49A	4/16/2014		4.9	1.0	ug/L
Chloroethane	MW-49A	10/23/2014		2.9	1.0	ug/L
Chloroethane	MW-49A	3/31/2015		10.5	1.0	ug/L
Chloroethane	MW-49A	11/05/2015		1.9	1.0	ug/L
Chloroethane	MW-49A	4/21/2016		1.7	1.0	ug/L
Chloroethane	MW-49A	10/17/2016		1.8	1.0	ug/L
Chloroethane	MW-49A	4/21/2017		2.0	1.0	ug/L
Chloroethane	MW-49A	10/16/2017		3.0	1.0	ug/L
Chloroethane	MW-49A	4/24/2018		3.3	1.0	ug/L
Chloroethane	MW-49A	10/25/2018		1.1	1.0	ug/L
Chloroethane	MW-49A	4/15/2019		1.9	1.0	ug/L
Chloroethane	MW-49A	4/23/2020		2.0	1.0	ug/L
Chloroethane	MW-49A	10/01/2020		2.7	1.0	ug/L
Chloroethane	MW-49A	4/08/2021		5.7	1.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chloroethane	MW-49A	10/29/2021		6.3	1.0	ug/L
Chloroethane	MW-49A	4/25/2022		5.4	1.0	ug/L
Chloroethane	MW-49A	10/17/2022		4.9	1.0	ug/L
Chloroethane	MW-49A	4/10/2023		3.5	1.0	ug/L
Chloroethane	MW-49A	10/27/2023		3.0	1.0	ug/L
Chloroethane	MW-49A	4/02/2024		3.5	1.0	ug/L
Chloroethane	MW-49A	10/10/2024		2.4	1.0	ug/L
Chloroethane	MW-49A	4/15/2025		3.8	1.0	ug/L
Chloroethane	MW-49A	10/16/2025		4.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	4/13/2010		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	10/14/2010		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	10/18/2011		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	11/05/2015		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	10/01/2020		1.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	4/08/2021		3.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	10/29/2021		8.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	4/25/2022		6.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	10/17/2022		3.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	4/10/2023		1.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	10/27/2023		2.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	4/02/2024		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	10/10/2024		1.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	4/15/2025		5.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-49A	10/16/2025		4.5	1.0	ug/L
Dichlorodifluoromethane	MW-49A	3/31/2015		1.1	1.0	ug/L
Vinyl chloride	MW-49A	10/09/2013		1.6	1.0	ug/L
Vinyl chloride	MW-49A	4/16/2014		1.9	1.0	ug/L
Vinyl chloride	MW-49A	10/23/2014		1.6	1.0	ug/L
Vinyl chloride	MW-49A	3/31/2015		1.5	1.0	ug/L
Vinyl chloride	MW-49A	10/16/2017		1.3	1.0	ug/L
Vinyl chloride	MW-49A	4/24/2018		1.1	1.0	ug/L
Vinyl chloride	MW-49A	4/08/2021		3.2	1.0	ug/L
Vinyl chloride	MW-49A	10/29/2021		5.0	1.0	ug/L
Vinyl chloride	MW-49A	4/25/2022		3.9	1.0	ug/L
Vinyl chloride	MW-49A	10/17/2022		2.7	1.0	ug/L
Vinyl chloride	MW-49A	4/10/2023		1.6	1.0	ug/L
Vinyl chloride	MW-49A	10/27/2023		1.4	1.0	ug/L
Vinyl chloride	MW-49A	4/02/2024		2.9	1.0	ug/L
Vinyl chloride	MW-49A	10/10/2024		1.8	1.0	ug/L
Vinyl chloride	MW-49A	4/15/2025		4.5	1.0	ug/L
Vinyl chloride	MW-49A	10/16/2025		6.3	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	10/25/2018		3.6	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	4/15/2019		3.8	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	10/07/2019		4.7	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	4/22/2020		14.4	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	10/29/2021		2.9	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	4/25/2022		2.9	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	4/10/2023		4.8	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	4/02/2024		1.6	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	4/15/2025		3.4	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	10/16/2025		3.4	1.0	ug/L
1,4-dichlorobenzene	TILE ACM-1	4/15/2019		3.6	1.0	ug/L
1,4-dichlorobenzene	TILE ACM-1	10/07/2019		3.3	1.0	ug/L
1,4-dichlorobenzene	TILE ACM-1	4/25/2022		1.1	1.0	ug/L
1,4-dichlorobenzene	TILE ACM-1	4/10/2023		1.8	1.0	ug/L
1,4-dichlorobenzene	TILE ACM-1	4/15/2025		1.6	1.0	ug/L
1,4-dichlorobenzene	TILE ACM-1	10/16/2025		2.8	1.0	ug/L
Benzene	TILE ACM-1	4/15/2019		2.0	1.0	ug/L
Benzene	TILE ACM-1	10/07/2019		1.3	1.0	ug/L
Benzene	TILE ACM-1	4/22/2020		2.0	1.0	ug/L
Benzene	TILE ACM-1	4/25/2022		1.8	1.0	ug/L
Benzene	TILE ACM-1	4/10/2023		1.6	1.0	ug/L
Benzene	TILE ACM-1	4/15/2025		1.6	1.0	ug/L
Chlorobenzene	TILE ACM-1	10/25/2018		16.6	1.0	ug/L
Chlorobenzene	TILE ACM-1	4/15/2019		13.8	1.0	ug/L
Chlorobenzene	TILE ACM-1	10/07/2019		7.4	1.0	ug/L
Chlorobenzene	TILE ACM-1	4/22/2020		4.6	1.0	ug/L
Chlorobenzene	TILE ACM-1	4/25/2022		7.9	1.0	ug/L
Chlorobenzene	TILE ACM-1	4/10/2023		7.8	1.0	ug/L
Chlorobenzene	TILE ACM-1	4/02/2024		3.7	1.0	ug/L
Chlorobenzene	TILE ACM-1	4/15/2025		11.5	1.0	ug/L
Chlorobenzene	TILE ACM-1	10/16/2025		1.2	1.0	ug/L
Chloroethane	TILE ACM-1	10/25/2018		5.8	1.0	ug/L
Chloroethane	TILE ACM-1	4/15/2019		5.0	1.0	ug/L
Chloroethane	TILE ACM-1	10/07/2019		9.8	1.0	ug/L
Chloroethane	TILE ACM-1	4/22/2020		12.2	1.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chloroethane	TILE ACM-1	10/29/2021		2.6	1.0	ug/L
Chloroethane	TILE ACM-1	4/25/2022		3.7	1.0	ug/L
Chloroethane	TILE ACM-1	4/10/2023		5.1	1.0	ug/L
Chloroethane	TILE ACM-1	4/02/2024		2.3	1.0	ug/L
Chloroethane	TILE ACM-1	4/15/2025		5.5	1.0	ug/L
Chloroethane	TILE ACM-1	10/16/2025		4.6	1.0	ug/L
Cis-1,2-dichloroethylene	TILE ACM-1	10/25/2018		3.0	1.0	ug/L
Cis-1,2-dichloroethylene	TILE ACM-1	4/15/2019		2.8	1.0	ug/L
Cis-1,2-dichloroethylene	TILE ACM-1	10/07/2019		4.2	1.0	ug/L
Cis-1,2-dichloroethylene	TILE ACM-1	4/22/2020		6.3	1.0	ug/L
Cis-1,2-dichloroethylene	TILE ACM-1	4/25/2022		1.3	1.0	ug/L
Cis-1,2-dichloroethylene	TILE ACM-1	4/10/2023		2.0	1.0	ug/L
Cis-1,2-dichloroethylene	TILE ACM-1	4/15/2025		2.1	1.0	ug/L
Cis-1,2-dichloroethylene	TILE ACM-1	10/16/2025		2.0	1.0	ug/L
Ethylbenzene	TILE ACM-1	10/07/2019		1.9	1.0	ug/L
Ethylbenzene	TILE ACM-1	4/25/2022		1.6	1.0	ug/L
Toluene	TILE ACM-1	10/07/2019		1.7	1.0	ug/L
Vinyl chloride	TILE ACM-1	10/07/2019		2.0	1.0	ug/L
Vinyl chloride	TILE ACM-1	4/22/2020		1.8	1.0	ug/L
Vinyl chloride	TILE ACM-1	4/10/2023		1.0	1.0	ug/L
Vinyl chloride	TILE ACM-1	4/15/2025		1.2	1.0	ug/L
Xylenes, total	TILE ACM-1	4/25/2022		2.4	2.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

**Confidence Intervals for Comparing the Mean of the Last
4 Measurements to an Assessment Monitoring Standard**

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
Benzene	ug/L	MW-49A	4	3.800	1.433	1.176	2.114	5.486	5.000	inc
Chloroethane	ug/L	MW-49A	4	3.425	0.714	1.176	2.586	4.264	2800.000	inc
Cis-1,2-dichloroethylene	ug/L	MW-49A	4	3.775	1.471	1.176	2.045	5.505	70.000	
Vinyl chloride	ug/L	MW-49A	4	3.875	1.960	1.176	1.569	6.181	2.000	

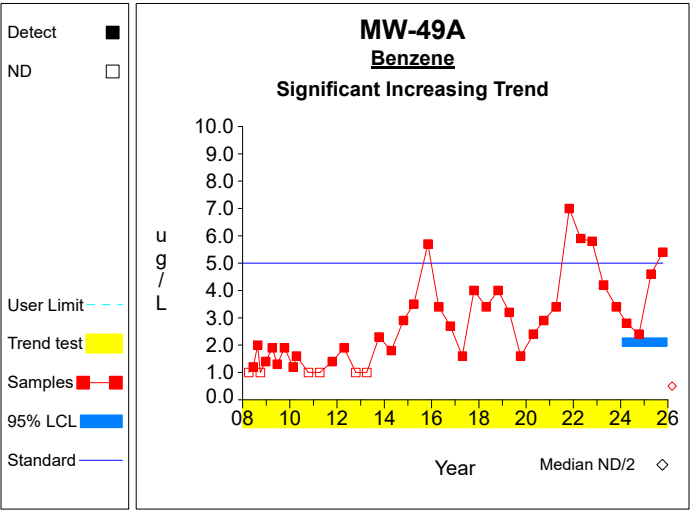
* - Insufficient Data

** - Significant Exceedance

LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

Confidence Limits (Assessment)



GROUND WATER STATISTICS
FOR THE
RURAL IOWA SANITARY LANDFILL – CLOSED AREA

Second Semi-Annual Monitoring Event in 2025

Prepared for:
Rural Iowa Waste Management Association
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October 2025

INTRODUCTION

This report summarizes the results of the statistical analysis used to evaluate the ground water quality data obtained during the second semi-annual monitoring event in 2025 at the Rural Iowa Sanitary Landfill near Eldora in Hardin County, Iowa. The statistical plan was designed to detect a release from the facility at the earliest indication so that it is protective of human health and the environment. The interwell methodology is described and then applied to the Rural Iowa Sanitary Landfill data. The statistical plan conforms with IAC 567, Chapter 113.10 and the USEPA Unified Guidance document (“*Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities*”, March 2009).

Ground Water Monitoring Program

The groundwater monitoring network for the closed area of the Rural Iowa Sanitary Landfill includes sample points MW-36 (upgradient), MW-37 (upgradient), MW-39 (upgradient), MW-40 (upgradient), MW-47 (upgradient), GU-3, MW-13R, MW-14, MW-211, MW-29, MW-31R, MW-33, MW-35(R), MW-7, and MW-9. Each of the groundwater monitoring wells is to be sampled at least semiannually and analyzed for the detection monitoring parameters listed in 113.10(5), which includes 15 inorganic constituents and 47 organic compounds, summarized in Table 1 below.

Table 1: Detection monitoring constituents listed in Appendix I of IAC 567, Chapter 113.

Organic Compounds:

Acetone	<i>trans</i> -1,4-Dichloro-2-butene	Iodomethane
Acrylonitrile	1,1-Dichloroethane	4-Methyl-2-pentanone
Benzene	1,2-Dichloroethane	Styrene
Bromochloromethane	1,1-Dichloroethene	1,1,1,2-Tetrachloroethane
Bromodichloromethane	<i>cis</i> -1,2-Dichloroethene	1,1,2,2-Tetrachloroethane
Bromoform	<i>trans</i> -1,2-Dichloroethene	Tetrachloroethene
Carbon disulfide	1,2-Dichloropropane	Toluene
Carbon tetrachloride	<i>cis</i> -1,3-Dichloropropene	1,1,1-Trichloroethane
Chlorobenzene	<i>trans</i> -1,3-Dichloropropene	1,1,2-Trichloroethane
Chloroethane	Ethylbenzene	Trichloroethene
Chloroform	2-Hexanone	Trichlorofluoromethane
Dibromochloromethane	Bromomethane	1,2,3-Trichloropropane
1,2-Dibromo-3-chloropropane	Chloromethane	Vinyl acetate
1,2-Dibromoethane	Dibromomethane	Vinyl chloride
1,2-Dichlorobenzene	Methylene chloride	Xylenes (Total)
1,4-Dichlorobenzene	2-Butanone	

Inorganic constituents:

Antimony, Total	Chromium, Total	Selenium, Total
Arsenic, Total	Cobalt, Total	Silver, Total
Barium, Total	Copper, Total	Thallium, Total
Beryllium, Total	Lead, Total	Vanadium, Total
Cadmium, Total	Nickel, Total	Zinc, Total

Monitoring wells GU-3, MW-13R, MW-14, MW-211, MW-29, MW-31R, MW-33, MW-7, MW-9, MW-36, MW-37, MW-39, MW-40, and MW-47 were sampled on October 16, 2025 and analyzed for the constituents required by permit. The ground water data obtained during the second semi-annual monitoring event in 2025 are summarized in Attachment A.

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

IAC 567, Chapter 113.10(4) provides several options for statistically evaluating the ground water data at those wells that monitor the open cells or contiguous MSWLF units. The preferred methods for comparing ground water data are using either prediction limits or using control charts. The interwell method was applied to the Rural Iowa Sanitary Landfill data using the DUMPStat® statistical program. Ground water statistics are to be done on the inorganic constituents listed. The organic constituents are compared to maximum contaminant levels (MCLs) or practical quantitation limits (PQLs), in lieu of statistical comparisons to historical concentrations.

Interwell Statistics: Upgradient versus Downgradient Comparisons

Interwell statistics are appropriate when the upgradient and downgradient wells monitor the same ground water formation and there is similar variability in the upgradient and downgradient zones. Site prediction limits are determined by pooling the historical ground water data from hydraulically upgradient wells. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances. The type of prediction limit utilized (e.g., parametric or nonparametric) is based on the detection frequency and the data distribution of each parameter in the background data. The distribution of the background data is tested for normality using the Shapiro-Wilk test (Gibbons, 1994 and USEPA 1992). If the constituent is normally distributed, a normal prediction limit is used. If normality is rejected by the Shapiro-Wilk test, the background data is transformed by taking the natural logarithm. The Shapiro-Wilk test is then reapplied on the transformed data. If it is not rejected, lognormal prediction limits are used. If after transforming the data, normality is still rejected, nonparametric prediction limits are used for that analyte. The nonparametric prediction limit is the largest determination in the background measurements. For constituents where the background detection frequency is greater than 0% but less than 50%, nonparametric prediction limits will be used. If the detection frequency is 0% after thirteen samples have been collected, the practical quantitation limit (PQL) becomes the nonparametric prediction limit.

Results of the Interwell Statistics

The background data used in this statistical analysis includes the ground water data collected from ground water wells MW-36, MW-37, MW-39, MW-40, and MW-47 during the period from October 2014 through the current data. A summary of the background data from monitoring wells MW-36, MW-37, MW-39, MW-40, and MW-47, used to determine the site prediction limits, is listed in Attachment B, Table 1 “Upgradient Data”. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances.

Table 2 “Most Current Downgradient Monitoring Data”, summarizes the current data from downgradient wells GU-3, MW-13R, MW-14, MW-29, MW-33, MW-35R, MW-7, and MW-9, compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks. For the data obtained during the second semi-annual monitoring event in 2025, the site prediction limit exceedances detected are summarized in the table below.

Trace Metal Prediction Limit Exceedances During the Second Semi-Annual Monitoring Event in 2025

Well	Trace Metal Detected	Result, µg/L	Prediction Limit, µg/L	Prediction Limit Type	Verified/ Awaiting Verification
MW-13R	Arsenic	209	89.3000	Nonparametric	Verified
MW-7	Arsenic	212	89.3000	Nonparametric	Verified

The detection frequencies of the parameters in the up and down gradient monitoring wells are summarized in Table 3. Barium was detected at a frequency greater than 50% in the upgradient wells so barium was tested for normality. The remainder of the metals are rarely detected (less than 50%) in the upgradient wells so nonparametric limits were used in those cases.

Table 4 summarizes the results of the Shapiro-Wilk test. Table 5 is a summary of the statistics and prediction limits determined for the metals. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

A statistical power curve indicates the expected false assessments for the site as a whole. The false positive rate for interwell analyses is the percentage of failures when the upgradient versus downgradient true mean difference equals zero. False negative rate indicates the chance of missing contamination at a single well for a single constituent. The statistical power is a function of the number of wells included, the number of constituents compared, the detection frequencies, and the data distributions involved. For interwell analysis, the site-wide false positive rate is 1% and the test becomes sensitive to 3 standard deviation unit increases over background.

The past and current verified metals exceedances were evaluated against the ground water protection standards (GWPS) using confidence limits calculated in accordance with the Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, USEPA, March 2009 (Attachment C). The analysis was conducted to evaluate whether verified concentrations are significantly above the water quality standard. The 95% lower confidence limit (LCL) for the mean of the historical data was used to evaluate whether the regulated unit is in compliance with the ground-water protection standards under 40 CFR 264 (e.g. whether the verified constituent is detected at a significant level above the GWPS). An exceedance is verified if the LCL is above the Regulatory GWPS.

The 95% LCL for arsenic at MW-13R (104.574 µg/L) exceeds the GWPS of 10 µg/L.

The 95% LCL for cobalt at MW-13R (2.616 µg/L) exceeds the Iowa Statewide Standard of 2.1 µg/L.

The 95% LCL for arsenic at MW-14 (44.361 µg/L) exceeds the GWPS of 10 µg/L.

The 95% LCL for cobalt at MW-14 (7.877 µg/L) exceeds the Iowa Statewide Standard of 2.1 µg/L.

The 95% LCL for cobalt at MW-35R (5.672 µg/L) exceeds the Iowa Statewide Standard of 2.1 µg/L.

The 95% LCL for arsenic at MW-47 (49.233 µg/L) exceeds the GWPS of 10 µg/L.

The 95% LCL for arsenic at MW-7 (57.982 µg/L) exceeds the GWPS of 10 µg/L.

The remainder of the calculated 95% LCLs are below the respective GWPS.

Volatile Organic Compounds

Volatile Organic Compounds (VOCs) are generally man-made compounds not present in ambient ground water. If VOCs are detected above their statistical limit (i.e., the laboratory PQL or reporting limit), a verification resample will be conducted at the next scheduled sampling event. A statistical exceedance will be indicated if the VOC detection is confirmed by the subsequent monitoring. The VOCs detected in the ground water at Rural Iowa Sanitary Landfill during the second semi-annual monitoring event in 2025 are summarized below. Historical VOC detections are summarized in Attachment D.

VOCs detected during the second semi-annual monitoring period in 2025

Well	VOC Detected	Result, µg/L	Reporting Limit, µg/L	Verified/ Awaiting verification	Water Quality Standard
MW-13R	1,4-Dichlorobenzene	1.6	1	Verified	75 ^a
	Benzene	4.2	1	Verified	5 ^a
	Chlorobenzene	43.1	1	Verified	100 ^a
MW-14	1,4-Dichlorobenzene	2.4	1	Awaiting verification	75 ^a
	Chloroethane	1.6	1	Verified	2800 ^b
MW-35R	Chloroethane	7.4	1	Verified	2800 ^b
	Vinyl chloride	1.7	1	Awaiting verification	2 ^a
MW-7	Carbon disulfide	2.8	1	Awaiting verification	700 ^b
	Chloroethane	4.3	1	Verified	2800 ^b

a - USEPA MCL

b- Iowa Statewide Standard for a protected groundwater source

The verified VOC detections were evaluated against the ground water protection standards (GWPS) using confidence limits calculated in accordance with the Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, USEPA, March 2009.

The calculated 95% LCLs for the verified VOCs are below the respective GWPS (Attachment E).

CONCLUSIONS

This report summarizes the statistical analyses used to evaluate the ground water data obtained during the second semi-annual monitoring event in 2025 at Rural Iowa Sanitary Landfill. The groundwater monitoring network for Rural Iowa Sanitary Landfill includes wells MW-36 (upgradient), MW-37 (upgradient), MW-39 (upgradient), MW-40 (upgradient), MW-47 (upgradient), GU-3, MW-13R, MW-14, MW-211, MW-29, MW-31R, MW-33, MW-35R, MW-7, and MW-9. These monitoring wells were sampled on October 16, 2025 and analyzed for the parameters required by permit.

The ground water data was compared to background using prediction limits (interwell). There are verified site prediction limit exceedances detected for arsenic at MW-13R and arsenic at MW-7. The VOCs were compared to MCLs or PQLs, in lieu of statistical comparisons to historical concentrations. There are

verified VOC detections at MW-13R, MW-14, MW-35R, and MW-7. The calculated 95% LCLs for the verified VOCs are below the respective GWPS.

Attachment A

Summary of the Data obtained during the Second Semi-Annual Monitoring event in 2025

Table 1

Analytical Data Summary for 10/16/2025

Constituents	Units	GU-3	MW-13R	MW-14	MW-29	MW-33	MW-35R	MW-36	MW-37	MW-39	MW-40	MW-47
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1.0	1.6	2.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-butanone (mek)	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Arsenic, total	ug/L	10.3	209.0	73.9	<2.0	<2.0	31.4	<2.0	<2.0	<2.0	2.8	152.0
Barium, total	ug/L	183.0	714.0	650.0	114.0	281.0	1780.0	299.0	50.6	275.0	40.9	1090.0
Benzene	ug/L	<1.0	4.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Beryllium, total	ug/L	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Carbon disulfide	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1.0	43.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	ug/L	<1.0	<1.0	1.6	<1.0	<1.0	7.4	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<1.0	1.0	<1.0	1.0	1.2	1.0	1.0	1.1	<1.0	1.2	<1.0
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	.5	2.7	10.3	<.5	.7	7.6	1.4	.7	<.5	6.2	2.0
Copper, total	ug/L	<5.0	<5.0	7.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<5.0	5.0	14.4	<5.0	<5.0	27.7	<5.0	<5.0	<5.0	17.5	5.6
Selenium, total	ug/L	<2.0	<2.0	<2.0	2.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Silver, total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.9	<2.0
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	6.8	6.0	7.4	11.0	9.3	20.0	5.0	7.9	12.4	17.0	9.3

* - The displayed value is the arithmetic mean of multiple database matches.

Table 1

Analytical Data Summary for 10/16/2025

Constituents	MW-7	MW-9	TILE ACM-1
1,1,1,2-tetrachloroethane	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1
1,1-dichloroethane	<1.0	<1.0	3.4
1,1-dichloroethylene	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5
1,2-dibromoethane	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1
1,2-dichloroethane	<1	<1	<1
1,2-dichloropropane	<1	<1	<1
1,4-dichlorobenzene	<1.0	<1.0	2.8
2-butanone (mek)	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5
Acetone	<10	<10	<10
Acrylonitrile	<5	<5	<5
Antimony, total	<1	<1	<1
Arsenic, total	212.0	5.7	545.0
Barium, total	403.0	221.0	1030.0
Benzene	<1.0	<1.0	<1.0
Beryllium, total	<.5	<.5	<.5
Bromochloromethane	<1	<1	<1
Bromodichloromethane	<1	<1	<1
Bromoform	<1	<1	<1
Bromomethane	<1	<1	<1
Cadmium, total	<.2	<.2	<.2
Carbon disulfide	2.8	<1.0	<1.0
Carbon tetrachloride	<1	<1	<1
Chlorobenzene	<1.0	<1.0	1.2
Chloroethane	4.3	<1.0	4.6
Chloroform	<1	<1	<1
Chloromethane	<1	<1	<1
Chromium, total	<1.0	<1.0	1.6
Cis-1,2-dichloroethylene	<1	<1	2
Cis-1,3-dichloropropene	<1	<1	<1
Cobalt, total	3.7	5.2	5.7
Copper, total	<5.0	<5.0	<5.0
Dibromochloromethane	<1	<1	<1
Dibromomethane	<1	<1	<1
Ethylbenzene	<1	<1	<1
Lead, total	<1	<1	<1
Methyl iodide	<1	<1	<1
Methylene chloride	<5	<5	<5
Nickel, total	7.0	19.6	23.1
Selenium, total	<2.0	<2.0	<2.0
Silver, total	<5	<5	<5
Styrene	<1	<1	<1
Tetrachloroethylene	<1	<1	<1
Thallium, total	<.5	<.5	<.5
Toluene	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5
Trichloroethylene	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1
Vanadium, total	<2.0	<2.0	2.8
Vinyl acetate	<5	<5	<5
Vinyl chloride	<1.0	<1.0	<1.0
Xylenes, total	<2	<2	<2
Zinc, total	18.6	5.1	316.0

* - The displayed value is the arithmetic mean of multiple database matches.

Attachment B

Summary Tables and Graphs for the Interwell Comparisons

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-36	07/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-36	04/21/2016	ND	2.0000		
Antimony, total	ug/L	MW-36	10/17/2016	ND	2.0000		
Antimony, total	ug/L	MW-36	04/21/2017	ND	2.0000		
Antimony, total	ug/L	MW-36	10/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-36	04/24/2018	ND	2.0000		
Antimony, total	ug/L	MW-36	10/25/2018	ND	2.0000		
Antimony, total	ug/L	MW-36	04/15/2019	ND	2.0000		
Antimony, total	ug/L	MW-36	10/07/2019	ND	2.0000		
Antimony, total	ug/L	MW-36	04/22/2020	ND	2.0000		
Antimony, total	ug/L	MW-36	10/02/2020	ND	2.0000		
Antimony, total	ug/L	MW-36	04/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-36	10/29/2021	ND	2.0000		
Antimony, total	ug/L	MW-36	04/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-36	10/17/2022	ND	2.0000		
Antimony, total	ug/L	MW-36	04/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-36	10/27/2023	ND	2.0000		
Antimony, total	ug/L	MW-36	04/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-36	10/10/2024	ND	2.0000		
Antimony, total	ug/L	MW-36	04/15/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-36	10/16/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-36	07/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/21/2017	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/16/2017	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/24/2018	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/22/2020	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/25/2022	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Arsenic, total	ug/L	MW-36	10/10/2024	ND	4.0000		
Arsenic, total	ug/L	MW-36	04/15/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-36	10/16/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-36	07/08/2015		366.0000		
Barium, total	ug/L	MW-36	04/21/2016		184.0000		
Barium, total	ug/L	MW-36	10/17/2016		162.0000		
Barium, total	ug/L	MW-36	04/21/2017		158.0000		
Barium, total	ug/L	MW-36	10/16/2017		233.0000		
Barium, total	ug/L	MW-36	04/24/2018		230.0000		
Barium, total	ug/L	MW-36	10/25/2018		184.0000		
Barium, total	ug/L	MW-36	04/15/2019		174.0000		
Barium, total	ug/L	MW-36	10/07/2019		235.0000		
Barium, total	ug/L	MW-36	04/22/2020		348.0000		
Barium, total	ug/L	MW-36	10/02/2020		176.0000		
Barium, total	ug/L	MW-36	04/08/2021		173.0000		
Barium, total	ug/L	MW-36	10/29/2021		203.0000		
Barium, total	ug/L	MW-36	04/25/2022		267.0000		
Barium, total	ug/L	MW-36	10/17/2022		219.0000		
Barium, total	ug/L	MW-36	04/10/2023		260.0000		
Barium, total	ug/L	MW-36	10/27/2023		258.0000		
Barium, total	ug/L	MW-36	04/02/2024		200.0000		
Barium, total	ug/L	MW-36	10/10/2024		329.0000		
Barium, total	ug/L	MW-36	04/15/2025		331.0000		
Barium, total	ug/L	MW-36	10/16/2025		299.0000		
Beryllium, total	ug/L	MW-36	07/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/21/2017	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/24/2018	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/22/2020	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/02/2020	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/25/2022	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-36	10/10/2024	ND	4.0000		
Beryllium, total	ug/L	MW-36	04/15/2025	ND	0.5000		*
Beryllium, total	ug/L	MW-36	10/16/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-36	07/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/21/2016	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/17/2016	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/21/2017	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/16/2017	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/24/2018	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/25/2018	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/15/2019	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/07/2019	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/22/2020	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/02/2020	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/29/2021	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/17/2022	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/27/2023	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-36	10/10/2024	ND	0.8000		
Cadmium, total	ug/L	MW-36	04/15/2025		0.2000		*
Cadmium, total	ug/L	MW-36	10/16/2025	ND	0.2000		*
Chromium, total	ug/L	MW-36	07/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-36	04/21/2016	ND	8.0000		
Chromium, total	ug/L	MW-36	10/17/2016	ND	8.0000		
Chromium, total	ug/L	MW-36	04/21/2017	ND	8.0000		
Chromium, total	ug/L	MW-36	10/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-36	04/24/2018	ND	8.0000		
Chromium, total	ug/L	MW-36	10/25/2018	ND	8.0000		
Chromium, total	ug/L	MW-36	04/15/2019	ND	8.0000		
Chromium, total	ug/L	MW-36	10/07/2019	ND	8.0000		
Chromium, total	ug/L	MW-36	04/22/2020		8.0000		
Chromium, total	ug/L	MW-36	10/02/2020	ND	8.0000		
Chromium, total	ug/L	MW-36	04/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-36	10/29/2021	ND	8.0000		
Chromium, total	ug/L	MW-36	04/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-36	10/17/2022	ND	8.0000		
Chromium, total	ug/L	MW-36	04/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-36	10/27/2023	ND	8.0000		
Chromium, total	ug/L	MW-36	04/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-36	10/10/2024		13.6000		
Chromium, total	ug/L	MW-36	04/15/2025		1.4000		*
Chromium, total	ug/L	MW-36	10/16/2025		1.0000		*
Cobalt, total	ug/L	MW-36	07/08/2015		34.1000		*
Cobalt, total	ug/L	MW-36	04/21/2016		2.4000		
Cobalt, total	ug/L	MW-36	10/17/2016		0.8000		
Cobalt, total	ug/L	MW-36	04/21/2017		2.1000		
Cobalt, total	ug/L	MW-36	10/16/2017		2.0000		
Cobalt, total	ug/L	MW-36	04/24/2018		3.9000		
Cobalt, total	ug/L	MW-36	10/25/2018		0.8000		
Cobalt, total	ug/L	MW-36	04/15/2019	ND	0.8000		
Cobalt, total	ug/L	MW-36	10/07/2019		1.3000		
Cobalt, total	ug/L	MW-36	04/22/2020		7.8000		
Cobalt, total	ug/L	MW-36	10/02/2020		0.4000		
Cobalt, total	ug/L	MW-36	04/08/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-36	10/29/2021		0.7000		
Cobalt, total	ug/L	MW-36	04/25/2022		4.7000		
Cobalt, total	ug/L	MW-36	10/17/2022		2.4000		
Cobalt, total	ug/L	MW-36	04/10/2023		1.4000		
Cobalt, total	ug/L	MW-36	10/27/2023		1.3000		
Cobalt, total	ug/L	MW-36	04/02/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-36	10/10/2024		7.6000		
Cobalt, total	ug/L	MW-36	04/15/2025		2.0000		
Cobalt, total	ug/L	MW-36	10/16/2025		1.4000		
Copper, total	ug/L	MW-36	07/08/2015		6.7000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Copper, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Copper, total	ug/L	MW-36	04/21/2017	ND	4.0000		
Copper, total	ug/L	MW-36	10/16/2017	ND	4.0000		
Copper, total	ug/L	MW-36	04/24/2018		4.4000		
Copper, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Copper, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Copper, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Copper, total	ug/L	MW-36	04/22/2020		11.3000		
Copper, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Copper, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Copper, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Copper, total	ug/L	MW-36	04/25/2022		6.8000		
Copper, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Copper, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Copper, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Copper, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Copper, total	ug/L	MW-36	10/10/2024		19.2000		*
Copper, total	ug/L	MW-36	04/15/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-36	10/16/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-36	07/08/2015	ND	4.0000		
Lead, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Lead, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Lead, total	ug/L	MW-36	04/21/2017	ND	4.0000		
Lead, total	ug/L	MW-36	10/16/2017	ND	4.0000		
Lead, total	ug/L	MW-36	04/24/2018		4.2000		
Lead, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Lead, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Lead, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Lead, total	ug/L	MW-36	04/22/2020		4.3000		
Lead, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Lead, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Lead, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Lead, total	ug/L	MW-36	04/25/2022	ND	4.0000		
Lead, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Lead, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Lead, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Lead, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Lead, total	ug/L	MW-36	10/10/2024		4.4000		
Lead, total	ug/L	MW-36	04/15/2025	ND	1.0000		*
Lead, total	ug/L	MW-36	10/16/2025	ND	1.0000		*
Nickel, total	ug/L	MW-36	07/08/2015		15.8000		
Nickel, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Nickel, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Nickel, total	ug/L	MW-36	04/21/2017		5.0000		
Nickel, total	ug/L	MW-36	10/16/2017		4.0000		
Nickel, total	ug/L	MW-36	04/24/2018		9.1000		
Nickel, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Nickel, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Nickel, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Nickel, total	ug/L	MW-36	04/22/2020		19.6000		
Nickel, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Nickel, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Nickel, total	ug/L	MW-36	04/25/2022		11.1000		
Nickel, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Nickel, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Nickel, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Nickel, total	ug/L	MW-36	10/10/2024		21.5000		
Nickel, total	ug/L	MW-36	04/15/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-36	10/16/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-36	07/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Selenium, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Selenium, total	ug/L	MW-36	04/21/2017	ND	4.0000		
Selenium, total	ug/L	MW-36	10/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-36	04/24/2018	ND	4.0000		
Selenium, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Selenium, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Selenium, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Selenium, total	ug/L	MW-36	04/22/2020	ND	4.0000		
Selenium, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Selenium, total	ug/L	MW-36	04/08/2021	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Selenium, total	ug/L	MW-36	04/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Selenium, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Selenium, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-36	10/10/2024	ND	4.0000		
Selenium, total	ug/L	MW-36	04/15/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-36	10/16/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-36	07/08/2015	ND	4.0000		
Silver, total	ug/L	MW-36	04/21/2016	ND	4.0000		
Silver, total	ug/L	MW-36	10/17/2016	ND	4.0000		
Silver, total	ug/L	MW-36	04/21/2017	ND	4.0000		
Silver, total	ug/L	MW-36	10/16/2017	ND	4.0000		
Silver, total	ug/L	MW-36	04/24/2018	ND	4.0000		
Silver, total	ug/L	MW-36	10/25/2018	ND	4.0000		
Silver, total	ug/L	MW-36	04/15/2019	ND	4.0000		
Silver, total	ug/L	MW-36	10/07/2019	ND	4.0000		
Silver, total	ug/L	MW-36	04/22/2020	ND	4.0000		
Silver, total	ug/L	MW-36	10/02/2020	ND	4.0000		
Silver, total	ug/L	MW-36	04/08/2021	ND	4.0000		
Silver, total	ug/L	MW-36	10/29/2021	ND	4.0000		
Silver, total	ug/L	MW-36	04/25/2022	ND	4.0000		
Silver, total	ug/L	MW-36	10/17/2022	ND	4.0000		
Silver, total	ug/L	MW-36	04/10/2023	ND	4.0000		
Silver, total	ug/L	MW-36	10/27/2023	ND	4.0000		
Silver, total	ug/L	MW-36	04/02/2024	ND	4.0000		
Silver, total	ug/L	MW-36	10/10/2024	ND	4.0000		
Silver, total	ug/L	MW-36	04/15/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-36	10/16/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-36	07/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	04/21/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	10/17/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	04/21/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	10/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	04/24/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	10/25/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-36	04/15/2019	ND	2.0000		
Thallium, total	ug/L	MW-36	10/07/2019	ND	2.0000		
Thallium, total	ug/L	MW-36	04/22/2020	ND	2.0000		
Thallium, total	ug/L	MW-36	10/02/2020	ND	2.0000		
Thallium, total	ug/L	MW-36	04/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-36	10/29/2021	ND	2.0000		
Thallium, total	ug/L	MW-36	04/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-36	10/17/2022	ND	2.0000		
Thallium, total	ug/L	MW-36	04/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-36	10/27/2023	ND	2.0000		
Thallium, total	ug/L	MW-36	04/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-36	10/10/2024	ND	2.0000		
Thallium, total	ug/L	MW-36	04/15/2025	ND	0.5000		*
Thallium, total	ug/L	MW-36	10/16/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-36	07/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/21/2016	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/17/2016	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/21/2017	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/24/2018	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/25/2018	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/15/2019	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/07/2019	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/22/2020	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/02/2020	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/29/2021	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/17/2022	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/27/2023	ND	20.0000		
Vanadium, total	ug/L	MW-36	04/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-36	10/10/2024	ND	22.4000		
Vanadium, total	ug/L	MW-36	04/15/2025	ND	2.1000		*
Vanadium, total	ug/L	MW-36	10/16/2025	ND	2.0000		*
Zinc, total	ug/L	MW-36	07/08/2015		13.1000		
Zinc, total	ug/L	MW-36	04/21/2016	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	MW-36	10/17/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-36	04/21/2017		9.0000		
Zinc, total	ug/L	MW-36	10/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-36	04/24/2018		10.8000		
Zinc, total	ug/L	MW-36	10/25/2018	ND	20.0000		
Zinc, total	ug/L	MW-36	04/15/2019	ND	20.0000		
Zinc, total	ug/L	MW-36	10/07/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-36	04/22/2020		26.8000		
Zinc, total	ug/L	MW-36	10/02/2020	ND	20.0000		
Zinc, total	ug/L	MW-36	04/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-36	10/29/2021	ND	20.0000		
Zinc, total	ug/L	MW-36	04/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-36	10/17/2022	ND	20.0000		
Zinc, total	ug/L	MW-36	04/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-36	10/27/2023	ND	20.0000		
Zinc, total	ug/L	MW-36	04/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-36	10/10/2024		38.0000		
Zinc, total	ug/L	MW-36	04/15/2025		5.4000		
Zinc, total	ug/L	MW-36	10/16/2025		5.0000		
Antimony, total	ug/L	MW-37	10/23/2014	ND	2.0000		
Antimony, total	ug/L	MW-37	01/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-37	04/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-37	07/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-37	11/05/2015	ND	2.0000		
Antimony, total	ug/L	MW-37	04/21/2016	ND	2.0000		
Antimony, total	ug/L	MW-37	10/17/2016	ND	2.0000		
Antimony, total	ug/L	MW-37	04/21/2017	ND	2.0000		
Antimony, total	ug/L	MW-37	10/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-37	04/24/2018	ND	2.0000		
Antimony, total	ug/L	MW-37	10/25/2018	ND	2.0000		
Antimony, total	ug/L	MW-37	04/15/2019	ND	2.0000		
Antimony, total	ug/L	MW-37	10/07/2019	ND	2.0000		
Antimony, total	ug/L	MW-37	04/22/2020	ND	2.0000		
Antimony, total	ug/L	MW-37	10/02/2020	ND	2.0000		
Antimony, total	ug/L	MW-37	04/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-37	10/29/2021	ND	2.0000		
Antimony, total	ug/L	MW-37	04/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-37	10/17/2022	ND	2.0000		
Antimony, total	ug/L	MW-37	04/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-37	10/27/2023	ND	2.0000		
Antimony, total	ug/L	MW-37	04/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-37	10/10/2024	ND	2.0000		
Antimony, total	ug/L	MW-37	04/15/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-37	10/16/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-37	10/23/2014	ND	4.0000		
Arsenic, total	ug/L	MW-37	01/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/21/2017	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/24/2018	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/25/2018	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/27/2023		11.6000		
Arsenic, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Arsenic, total	ug/L	MW-37	10/10/2024	ND	4.0000		
Arsenic, total	ug/L	MW-37	04/15/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-37	10/16/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-37	10/23/2014		216.0000		
Barium, total	ug/L	MW-37	01/08/2015		169.0000		
Barium, total	ug/L	MW-37	04/01/2015		185.0000		
Barium, total	ug/L	MW-37	07/08/2015		141.0000		
Barium, total	ug/L	MW-37	11/05/2015		175.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Barium, total	ug/L	MW-37	04/21/2016		143.0000		
Barium, total	ug/L	MW-37	10/17/2016		154.0000		
Barium, total	ug/L	MW-37	04/21/2017		163.0000		
Barium, total	ug/L	MW-37	10/16/2017		178.0000		
Barium, total	ug/L	MW-37	04/24/2018		142.0000		
Barium, total	ug/L	MW-37	10/25/2018		91.5000		
Barium, total	ug/L	MW-37	04/15/2019		82.0000		
Barium, total	ug/L	MW-37	10/07/2019		102.0000		
Barium, total	ug/L	MW-37	04/22/2020		78.1000		
Barium, total	ug/L	MW-37	10/02/2020		87.9000		
Barium, total	ug/L	MW-37	04/08/2021		51.5000		
Barium, total	ug/L	MW-37	10/29/2021		71.0000		
Barium, total	ug/L	MW-37	04/25/2022		57.0000		
Barium, total	ug/L	MW-37	10/17/2022		75.8000		
Barium, total	ug/L	MW-37	04/10/2023		31.4000		
Barium, total	ug/L	MW-37	10/27/2023		107.0000		
Barium, total	ug/L	MW-37	04/02/2024		51.9000		
Barium, total	ug/L	MW-37	10/10/2024		67.6000		
Barium, total	ug/L	MW-37	04/15/2025		43.9000		
Barium, total	ug/L	MW-37	10/16/2025		50.6000		
Beryllium, total	ug/L	MW-37	10/23/2014	ND	4.0000		
Beryllium, total	ug/L	MW-37	01/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/21/2017	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/24/2018	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/25/2018	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/27/2023	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-37	10/10/2024	ND	4.0000		
Beryllium, total	ug/L	MW-37	04/15/2025	ND	0.5000		*
Beryllium, total	ug/L	MW-37	10/16/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-37	10/23/2014	ND	0.8000		
Cadmium, total	ug/L	MW-37	01/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-37	07/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-37	11/05/2015	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/21/2016	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/17/2016	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/21/2017	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/16/2017	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/24/2018	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/25/2018	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/15/2019	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/07/2019	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/22/2020	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/02/2020	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/29/2021	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/17/2022	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/27/2023	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-37	10/10/2024	ND	0.8000		
Cadmium, total	ug/L	MW-37	04/15/2025	ND	0.2000		*
Cadmium, total	ug/L	MW-37	10/16/2025	ND	0.2000		*
Chromium, total	ug/L	MW-37	10/23/2014	ND	8.0000		
Chromium, total	ug/L	MW-37	01/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-37	04/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-37	07/08/2015	ND	8.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chromium, total	ug/L	MW-37	11/05/2015	ND	8.0000		
Chromium, total	ug/L	MW-37	04/21/2016	ND	8.0000		
Chromium, total	ug/L	MW-37	10/17/2016	ND	8.0000		
Chromium, total	ug/L	MW-37	04/21/2017		20.3000		
Chromium, total	ug/L	MW-37	10/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-37	04/24/2018	ND	8.0000		
Chromium, total	ug/L	MW-37	10/25/2018	ND	8.0000		
Chromium, total	ug/L	MW-37	04/15/2019	ND	8.0000		
Chromium, total	ug/L	MW-37	10/07/2019	ND	8.0000		
Chromium, total	ug/L	MW-37	04/22/2020	ND	8.0000		
Chromium, total	ug/L	MW-37	10/02/2020	ND	8.0000		
Chromium, total	ug/L	MW-37	04/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-37	10/29/2021	ND	8.0000		
Chromium, total	ug/L	MW-37	04/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-37	10/17/2022	ND	8.0000		
Chromium, total	ug/L	MW-37	04/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-37	10/27/2023	ND	8.0000		
Chromium, total	ug/L	MW-37	04/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-37	10/10/2024	ND	8.0000		
Chromium, total	ug/L	MW-37	04/15/2025		2.1000		*
Chromium, total	ug/L	MW-37	10/16/2025		1.1000		*
Cobalt, total	ug/L	MW-37	10/23/2014	ND	0.8000		
Cobalt, total	ug/L	MW-37	01/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-37	04/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-37	07/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-37	11/05/2015	ND	0.8000		
Cobalt, total	ug/L	MW-37	04/21/2016	ND	0.8000		
Cobalt, total	ug/L	MW-37	10/17/2016	ND	0.8000		
Cobalt, total	ug/L	MW-37	04/21/2017	ND	0.8000		
Cobalt, total	ug/L	MW-37	10/16/2017	ND	0.8000		
Cobalt, total	ug/L	MW-37	04/24/2018	ND	0.8000		
Cobalt, total	ug/L	MW-37	10/25/2018	ND	0.8000		
Cobalt, total	ug/L	MW-37	04/15/2019	ND	0.8000		
Cobalt, total	ug/L	MW-37	10/07/2019	ND	0.8000		
Cobalt, total	ug/L	MW-37	04/22/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-37	10/02/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-37	04/08/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-37	10/29/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-37	04/25/2022		0.4000		
Cobalt, total	ug/L	MW-37	10/17/2022		2.2000		
Cobalt, total	ug/L	MW-37	04/10/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-37	10/27/2023		9.6000		*
Cobalt, total	ug/L	MW-37	04/02/2024		0.6000		
Cobalt, total	ug/L	MW-37	10/10/2024		4.4000		*
Cobalt, total	ug/L	MW-37	04/15/2025	ND	0.5000	0.8000	**
Cobalt, total	ug/L	MW-37	10/16/2025		0.7000		
Copper, total	ug/L	MW-37	10/23/2014		4.1000		
Copper, total	ug/L	MW-37	01/08/2015	ND	4.0000		
Copper, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Copper, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Copper, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Copper, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Copper, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Copper, total	ug/L	MW-37	04/21/2017	ND	4.0000		
Copper, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Copper, total	ug/L	MW-37	04/24/2018	ND	4.0000		
Copper, total	ug/L	MW-37	10/25/2018		13.7000		*
Copper, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Copper, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Copper, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Copper, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Copper, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Copper, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Copper, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Copper, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Copper, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Copper, total	ug/L	MW-37	10/27/2023	ND	4.0000		
Copper, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Copper, total	ug/L	MW-37	10/10/2024	ND	4.0000		
Copper, total	ug/L	MW-37	04/15/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-37	10/16/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-37	10/23/2014		4.0000		
Lead, total	ug/L	MW-37	01/08/2015	ND	4.0000		
Lead, total	ug/L	MW-37	04/01/2015	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Lead, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Lead, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Lead, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Lead, total	ug/L	MW-37	04/21/2017		22.7000		*
Lead, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Lead, total	ug/L	MW-37	04/24/2018	ND	4.0000		
Lead, total	ug/L	MW-37	10/25/2018	ND	4.0000		
Lead, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Lead, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Lead, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Lead, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Lead, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Lead, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Lead, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Lead, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Lead, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Lead, total	ug/L	MW-37	10/27/2023	ND	4.0000		
Lead, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Lead, total	ug/L	MW-37	10/10/2024	ND	4.0000		
Lead, total	ug/L	MW-37	04/15/2025	ND	1.0000		*
Lead, total	ug/L	MW-37	10/16/2025	ND	1.0000		*
Nickel, total	ug/L	MW-37	10/23/2014	ND	4.0000		
Nickel, total	ug/L	MW-37	01/08/2015	ND	4.0000		
Nickel, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Nickel, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Nickel, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Nickel, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Nickel, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Nickel, total	ug/L	MW-37	04/21/2017	ND	4.0000		
Nickel, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Nickel, total	ug/L	MW-37	04/24/2018	ND	4.0000		
Nickel, total	ug/L	MW-37	10/25/2018	ND	4.0000		
Nickel, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Nickel, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Nickel, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Nickel, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Nickel, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Nickel, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Nickel, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Nickel, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-37	10/27/2023		13.9000		*
Nickel, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Nickel, total	ug/L	MW-37	10/10/2024		18.7000		*
Nickel, total	ug/L	MW-37	04/15/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-37	10/16/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-37	10/23/2014	ND	4.0000		
Selenium, total	ug/L	MW-37	01/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Selenium, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Selenium, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Selenium, total	ug/L	MW-37	04/21/2017	ND	4.0000		
Selenium, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-37	04/24/2018		8.9000		*
Selenium, total	ug/L	MW-37	10/25/2018	ND	4.0000		
Selenium, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Selenium, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Selenium, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Selenium, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Selenium, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Selenium, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Selenium, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-37	10/27/2023	ND	4.0000		
Selenium, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-37	10/10/2024	ND	4.0000		
Selenium, total	ug/L	MW-37	04/15/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-37	10/16/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-37	10/23/2014	ND	4.0000		
Silver, total	ug/L	MW-37	01/08/2015	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Silver, total	ug/L	MW-37	04/01/2015	ND	4.0000		
Silver, total	ug/L	MW-37	07/08/2015	ND	4.0000		
Silver, total	ug/L	MW-37	11/05/2015	ND	4.0000		
Silver, total	ug/L	MW-37	04/21/2016	ND	4.0000		
Silver, total	ug/L	MW-37	10/17/2016	ND	4.0000		
Silver, total	ug/L	MW-37	04/21/2017	ND	4.0000		
Silver, total	ug/L	MW-37	10/16/2017	ND	4.0000		
Silver, total	ug/L	MW-37	04/24/2018	ND	4.0000		
Silver, total	ug/L	MW-37	10/25/2018	ND	4.0000		
Silver, total	ug/L	MW-37	04/15/2019	ND	4.0000		
Silver, total	ug/L	MW-37	10/07/2019	ND	4.0000		
Silver, total	ug/L	MW-37	04/22/2020	ND	4.0000		
Silver, total	ug/L	MW-37	10/02/2020	ND	4.0000		
Silver, total	ug/L	MW-37	04/08/2021	ND	4.0000		
Silver, total	ug/L	MW-37	10/29/2021	ND	4.0000		
Silver, total	ug/L	MW-37	04/25/2022	ND	4.0000		
Silver, total	ug/L	MW-37	10/17/2022	ND	4.0000		
Silver, total	ug/L	MW-37	04/10/2023	ND	4.0000		
Silver, total	ug/L	MW-37	10/27/2023	ND	4.0000		
Silver, total	ug/L	MW-37	04/02/2024	ND	4.0000		
Silver, total	ug/L	MW-37	10/10/2024	ND	4.0000		
Silver, total	ug/L	MW-37	04/15/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-37	10/16/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-37	10/23/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	01/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	04/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	07/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	11/05/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	04/21/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	10/17/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	04/21/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	10/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	04/24/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	10/25/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-37	04/15/2019	ND	2.0000		
Thallium, total	ug/L	MW-37	10/07/2019	ND	2.0000		
Thallium, total	ug/L	MW-37	04/22/2020	ND	2.0000		
Thallium, total	ug/L	MW-37	10/02/2020	ND	2.0000		
Thallium, total	ug/L	MW-37	04/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-37	10/29/2021	ND	2.0000		
Thallium, total	ug/L	MW-37	04/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-37	10/17/2022	ND	2.0000		
Thallium, total	ug/L	MW-37	04/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-37	10/27/2023	ND	2.0000		
Thallium, total	ug/L	MW-37	04/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-37	10/10/2024	ND	2.0000		
Thallium, total	ug/L	MW-37	04/15/2025	ND	0.5000		*
Thallium, total	ug/L	MW-37	10/16/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-37	10/23/2014	ND	20.0000		
Vanadium, total	ug/L	MW-37	01/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-37	07/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-37	11/05/2015	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/21/2016	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/17/2016	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/21/2017	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/24/2018	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/25/2018	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/15/2019	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/07/2019	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/22/2020	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/02/2020	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/29/2021	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/17/2022	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/27/2023	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-37	10/10/2024	ND	20.0000		
Vanadium, total	ug/L	MW-37	04/15/2025	ND	2.0000		*
Vanadium, total	ug/L	MW-37	10/16/2025	ND	2.0000		*
Zinc, total	ug/L	MW-37	10/23/2014	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	MW-37	01/08/2015		14.5000		
Zinc, total	ug/L	MW-37	04/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	07/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	11/05/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	04/21/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	10/17/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	04/21/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	10/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	04/24/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	10/25/2018	ND	20.0000		
Zinc, total	ug/L	MW-37	04/15/2019	ND	20.0000		
Zinc, total	ug/L	MW-37	10/07/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-37	04/22/2020	ND	20.0000		
Zinc, total	ug/L	MW-37	10/02/2020	ND	20.0000		
Zinc, total	ug/L	MW-37	04/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-37	10/29/2021	ND	20.0000		
Zinc, total	ug/L	MW-37	04/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-37	10/17/2022	ND	20.0000		
Zinc, total	ug/L	MW-37	04/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-37	10/27/2023		22.2000		
Zinc, total	ug/L	MW-37	04/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-37	10/10/2024	ND	20.0000		
Zinc, total	ug/L	MW-37	04/15/2025	ND	5.0000	20.0000	**
Zinc, total	ug/L	MW-37	10/16/2025		7.9000		
Antimony, total	ug/L	MW-39	10/23/2014	ND	2.0000		
Antimony, total	ug/L	MW-39	01/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	04/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	07/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	11/05/2015	ND	2.0000		
Antimony, total	ug/L	MW-39	04/21/2016	ND	2.0000		
Antimony, total	ug/L	MW-39	10/17/2016	ND	2.0000		
Antimony, total	ug/L	MW-39	04/21/2017	ND	2.0000		
Antimony, total	ug/L	MW-39	10/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-39	04/24/2018	ND	2.0000		
Antimony, total	ug/L	MW-39	10/25/2018	ND	2.0000		
Antimony, total	ug/L	MW-39	04/15/2019	ND	2.0000		
Antimony, total	ug/L	MW-39	10/07/2019	ND	2.0000		
Antimony, total	ug/L	MW-39	04/22/2020	ND	2.0000		
Antimony, total	ug/L	MW-39	10/02/2020	ND	2.0000		
Antimony, total	ug/L	MW-39	04/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-39	10/29/2021	ND	2.0000		
Antimony, total	ug/L	MW-39	04/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-39	10/17/2022	ND	2.0000		
Antimony, total	ug/L	MW-39	04/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-39	10/27/2023	ND	2.0000		
Antimony, total	ug/L	MW-39	04/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-39	10/10/2024	ND	2.0000		
Antimony, total	ug/L	MW-39	04/15/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-39	10/16/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Arsenic, total	ug/L	MW-39	01/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	11/05/2015	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/02/2024	ND	4.0000		
Arsenic, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Arsenic, total	ug/L	MW-39	04/15/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-39	10/16/2025	ND	2.0000	4.0000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Barium, total	ug/L	MW-39	10/23/2014		287.0000		
Barium, total	ug/L	MW-39	01/08/2015		309.0000		
Barium, total	ug/L	MW-39	04/01/2015		272.0000		
Barium, total	ug/L	MW-39	07/08/2015		249.0000		
Barium, total	ug/L	MW-39	11/05/2015		383.0000		
Barium, total	ug/L	MW-39	04/21/2016		266.0000		
Barium, total	ug/L	MW-39	10/17/2016		257.0000		
Barium, total	ug/L	MW-39	04/21/2017		253.0000		
Barium, total	ug/L	MW-39	10/16/2017		268.0000		
Barium, total	ug/L	MW-39	04/24/2018		273.0000		
Barium, total	ug/L	MW-39	10/25/2018		248.0000		
Barium, total	ug/L	MW-39	04/15/2019		251.0000		
Barium, total	ug/L	MW-39	10/07/2019		264.0000		
Barium, total	ug/L	MW-39	04/22/2020		323.0000		
Barium, total	ug/L	MW-39	10/02/2020		222.0000		
Barium, total	ug/L	MW-39	04/08/2021		230.0000		
Barium, total	ug/L	MW-39	10/29/2021		255.0000		
Barium, total	ug/L	MW-39	04/25/2022		232.0000		
Barium, total	ug/L	MW-39	10/17/2022		239.0000		
Barium, total	ug/L	MW-39	04/10/2023		238.0000		
Barium, total	ug/L	MW-39	10/27/2023		225.0000		
Barium, total	ug/L	MW-39	04/02/2024		254.0000		
Barium, total	ug/L	MW-39	10/10/2024		253.0000		
Barium, total	ug/L	MW-39	04/15/2025		287.0000		
Barium, total	ug/L	MW-39	10/16/2025		275.0000		
Beryllium, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Beryllium, total	ug/L	MW-39	01/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	11/05/2015	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Beryllium, total	ug/L	MW-39	04/15/2025	ND	0.5000		*
Beryllium, total	ug/L	MW-39	10/16/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-39	10/23/2014	ND	0.8000		
Cadmium, total	ug/L	MW-39	01/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	07/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	11/05/2015	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/21/2016	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/17/2016	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/21/2017	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/16/2017	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/24/2018	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/25/2018	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/15/2019	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/07/2019	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/22/2020	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/02/2020	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/29/2021	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/17/2022	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/27/2023	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-39	10/10/2024	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/15/2025	ND	0.8000		
Cadmium, total	ug/L	MW-39	04/15/2025	ND	0.2000		*

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, total	ug/L	MW-39	10/16/2025	ND	0.2000		*
Chromium, total	ug/L	MW-39	10/23/2014	ND	8.0000		
Chromium, total	ug/L	MW-39	01/08/2015		29.6000		*
Chromium, total	ug/L	MW-39	04/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-39	07/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-39	11/05/2015	ND	8.0000		
Chromium, total	ug/L	MW-39	04/21/2016	ND	8.0000		
Chromium, total	ug/L	MW-39	10/17/2016	ND	8.0000		
Chromium, total	ug/L	MW-39	04/21/2017	ND	8.0000		
Chromium, total	ug/L	MW-39	10/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-39	04/24/2018	ND	8.0000		
Chromium, total	ug/L	MW-39	10/25/2018	ND	8.0000		
Chromium, total	ug/L	MW-39	04/15/2019	ND	8.0000		
Chromium, total	ug/L	MW-39	10/07/2019	ND	8.0000		
Chromium, total	ug/L	MW-39	04/22/2020	ND	8.0000		
Chromium, total	ug/L	MW-39	10/02/2020	ND	8.0000		
Chromium, total	ug/L	MW-39	04/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-39	10/29/2021	ND	8.0000		
Chromium, total	ug/L	MW-39	04/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-39	10/17/2022	ND	8.0000		
Chromium, total	ug/L	MW-39	04/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-39	10/27/2023	ND	8.0000		
Chromium, total	ug/L	MW-39	04/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-39	10/10/2024	ND	8.0000		
Chromium, total	ug/L	MW-39	04/15/2025		1.2000		*
Chromium, total	ug/L	MW-39	10/16/2025	ND	1.0000		*
Cobalt, total	ug/L	MW-39	10/23/2014	ND	0.8000		
Cobalt, total	ug/L	MW-39	01/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-39	04/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-39	07/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-39	11/05/2015		3.3000		*
Cobalt, total	ug/L	MW-39	04/21/2016	ND	0.8000		
Cobalt, total	ug/L	MW-39	10/17/2016	ND	0.8000		
Cobalt, total	ug/L	MW-39	04/21/2017	ND	0.8000		
Cobalt, total	ug/L	MW-39	10/16/2017	ND	0.8000		
Cobalt, total	ug/L	MW-39	04/24/2018	ND	0.8000		
Cobalt, total	ug/L	MW-39	10/25/2018	ND	0.8000		
Cobalt, total	ug/L	MW-39	04/15/2019	ND	0.8000		
Cobalt, total	ug/L	MW-39	10/07/2019	ND	0.8000		
Cobalt, total	ug/L	MW-39	04/22/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	10/02/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	04/08/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	10/29/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	04/25/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	10/17/2022		1.5000		
Cobalt, total	ug/L	MW-39	04/10/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	10/27/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	04/02/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	10/10/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-39	04/15/2025	ND	0.5000	0.8000	**
Cobalt, total	ug/L	MW-39	10/16/2025	ND	0.5000	0.8000	**
Copper, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Copper, total	ug/L	MW-39	01/08/2015	ND	4.0000		
Copper, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Copper, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Copper, total	ug/L	MW-39	11/05/2015	ND	4.0000		
Copper, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Copper, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Copper, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Copper, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Copper, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Copper, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Copper, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Copper, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Copper, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Copper, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Copper, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Copper, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Copper, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Copper, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Copper, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Copper, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Copper, total	ug/L	MW-39	04/02/2024		126.0000		*
Copper, total	ug/L	MW-39	10/10/2024	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-39	04/15/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-39	10/16/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Lead, total	ug/L	MW-39	01/08/2015	ND	4.0000		
Lead, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Lead, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Lead, total	ug/L	MW-39	11/05/2015	ND	4.0000		
Lead, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Lead, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Lead, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Lead, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Lead, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Lead, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Lead, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Lead, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Lead, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Lead, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Lead, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Lead, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Lead, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Lead, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Lead, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Lead, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Lead, total	ug/L	MW-39	04/02/2024	ND	4.0000		
Lead, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Lead, total	ug/L	MW-39	04/15/2025	ND	1.0000		*
Lead, total	ug/L	MW-39	10/16/2025	ND	1.0000		*
Nickel, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Nickel, total	ug/L	MW-39	01/08/2015		20.5000		*
Nickel, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Nickel, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Nickel, total	ug/L	MW-39	11/05/2015		7.0000		
Nickel, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Nickel, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Nickel, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Nickel, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Nickel, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Nickel, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Nickel, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Nickel, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Nickel, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Nickel, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Nickel, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Nickel, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Nickel, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Nickel, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Nickel, total	ug/L	MW-39	04/02/2024	ND	4.0000		
Nickel, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Nickel, total	ug/L	MW-39	04/15/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-39	10/16/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Selenium, total	ug/L	MW-39	01/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	11/05/2015	ND	4.0000		
Selenium, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Selenium, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Selenium, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Selenium, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Selenium, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Selenium, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Selenium, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Selenium, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Selenium, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Selenium, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Selenium, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Selenium, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Selenium, total	ug/L	MW-39	04/02/2024	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Selenium, total	ug/L	MW-39	04/15/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-39	10/16/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-39	10/23/2014	ND	4.0000		
Silver, total	ug/L	MW-39	01/08/2015	ND	4.0000		
Silver, total	ug/L	MW-39	04/01/2015	ND	4.0000		
Silver, total	ug/L	MW-39	07/08/2015	ND	4.0000		
Silver, total	ug/L	MW-39	11/05/2015	ND	4.0000		
Silver, total	ug/L	MW-39	04/21/2016	ND	4.0000		
Silver, total	ug/L	MW-39	10/17/2016	ND	4.0000		
Silver, total	ug/L	MW-39	04/21/2017	ND	4.0000		
Silver, total	ug/L	MW-39	10/16/2017	ND	4.0000		
Silver, total	ug/L	MW-39	04/24/2018	ND	4.0000		
Silver, total	ug/L	MW-39	10/25/2018	ND	4.0000		
Silver, total	ug/L	MW-39	04/15/2019	ND	4.0000		
Silver, total	ug/L	MW-39	10/07/2019	ND	4.0000		
Silver, total	ug/L	MW-39	04/22/2020	ND	4.0000		
Silver, total	ug/L	MW-39	10/02/2020	ND	4.0000		
Silver, total	ug/L	MW-39	04/08/2021	ND	4.0000		
Silver, total	ug/L	MW-39	10/29/2021	ND	4.0000		
Silver, total	ug/L	MW-39	04/25/2022	ND	4.0000		
Silver, total	ug/L	MW-39	10/17/2022	ND	4.0000		
Silver, total	ug/L	MW-39	04/10/2023	ND	4.0000		
Silver, total	ug/L	MW-39	10/27/2023	ND	4.0000		
Silver, total	ug/L	MW-39	04/02/2024	ND	4.0000		
Silver, total	ug/L	MW-39	10/10/2024	ND	4.0000		
Silver, total	ug/L	MW-39	04/15/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-39	10/16/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-39	10/23/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	01/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	04/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	07/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	11/05/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	04/21/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	10/17/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	04/21/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	10/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	04/24/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	10/25/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-39	04/15/2019	ND	2.0000		
Thallium, total	ug/L	MW-39	10/07/2019	ND	2.0000		
Thallium, total	ug/L	MW-39	04/22/2020	ND	2.0000		
Thallium, total	ug/L	MW-39	10/02/2020	ND	2.0000		
Thallium, total	ug/L	MW-39	04/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-39	10/29/2021	ND	2.0000		
Thallium, total	ug/L	MW-39	04/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-39	10/17/2022	ND	2.0000		
Thallium, total	ug/L	MW-39	04/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-39	10/27/2023	ND	2.0000		
Thallium, total	ug/L	MW-39	04/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-39	10/10/2024	ND	2.0000		
Thallium, total	ug/L	MW-39	04/15/2025	ND	0.5000		*
Thallium, total	ug/L	MW-39	10/16/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-39	10/23/2014	ND	20.0000		
Vanadium, total	ug/L	MW-39	01/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	07/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	11/05/2015	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/21/2016	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/17/2016	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/21/2017	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/24/2018	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/25/2018	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/15/2019	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/07/2019	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/22/2020	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/02/2020	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/29/2021	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/17/2022	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/27/2023	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Vanadium, total	ug/L	MW-39	04/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-39	10/10/2024	ND	20.0000		
Vanadium, total	ug/L	MW-39	04/15/2025	ND	2.0000		*
Vanadium, total	ug/L	MW-39	10/16/2025	ND	2.0000		*
Zinc, total	ug/L	MW-39	10/23/2014	ND	20.0000		
Zinc, total	ug/L	MW-39	01/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	04/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	07/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	11/05/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	04/21/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	10/17/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	04/21/2017		25.8000		
Zinc, total	ug/L	MW-39	10/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	04/24/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	10/25/2018	ND	20.0000		
Zinc, total	ug/L	MW-39	04/15/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	10/07/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-39	04/22/2020	ND	20.0000		
Zinc, total	ug/L	MW-39	10/02/2020	ND	20.0000		
Zinc, total	ug/L	MW-39	04/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-39	10/29/2021	ND	20.0000		
Zinc, total	ug/L	MW-39	04/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-39	10/17/2022	ND	20.0000		
Zinc, total	ug/L	MW-39	04/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-39	10/27/2023	ND	20.0000		
Zinc, total	ug/L	MW-39	04/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-39	10/10/2024	ND	20.0000		
Zinc, total	ug/L	MW-39	04/15/2025	ND	5.0000	20.0000	**
Zinc, total	ug/L	MW-39	10/16/2025		12.4000		
Antimony, total	ug/L	MW-40	10/23/2014	ND	2.0000		
Antimony, total	ug/L	MW-40	01/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-40	03/31/2015	ND	2.0000		
Antimony, total	ug/L	MW-40	07/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-40	11/05/2015	ND	2.0000		
Antimony, total	ug/L	MW-40	04/21/2016	ND	2.0000		
Antimony, total	ug/L	MW-40	10/17/2016	ND	2.0000		
Antimony, total	ug/L	MW-40	04/21/2017	ND	2.0000		
Antimony, total	ug/L	MW-40	10/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-40	04/24/2018	ND	2.0000		
Antimony, total	ug/L	MW-40	10/25/2018	ND	2.0000		
Antimony, total	ug/L	MW-40	04/15/2019	ND	2.0000		
Antimony, total	ug/L	MW-40	10/07/2019	ND	2.0000		
Antimony, total	ug/L	MW-40	04/22/2020	ND	2.0000		
Antimony, total	ug/L	MW-40	10/02/2020	ND	2.0000		
Antimony, total	ug/L	MW-40	04/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-40	10/29/2021	ND	2.0000		
Antimony, total	ug/L	MW-40	04/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-40	10/17/2022	ND	2.0000		
Antimony, total	ug/L	MW-40	04/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-40	10/27/2023	ND	2.0000		
Antimony, total	ug/L	MW-40	04/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-40	10/10/2024	ND	2.0000		
Antimony, total	ug/L	MW-40	04/15/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-40	10/16/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-40	10/23/2014	ND	4.0000		
Arsenic, total	ug/L	MW-40	01/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-40	03/31/2015	ND	4.0000		
Arsenic, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Arsenic, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Arsenic, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Arsenic, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Arsenic, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Arsenic, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Arsenic, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Arsenic, total	ug/L	MW-40	04/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/29/2021	ND	4.3000		
Arsenic, total	ug/L	MW-40	04/25/2022	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/17/2022		8.1000		
Arsenic, total	ug/L	MW-40	04/10/2023		5.9000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic, total	ug/L	MW-40	10/27/2023		5.3000		
Arsenic, total	ug/L	MW-40	04/02/2024	ND	4.0000		
Arsenic, total	ug/L	MW-40	10/10/2024		4.3000		
Arsenic, total	ug/L	MW-40	04/15/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-40	10/16/2025		2.8000		
Barium, total	ug/L	MW-40	10/23/2014		65.4000		
Barium, total	ug/L	MW-40	01/08/2015		85.3000		
Barium, total	ug/L	MW-40	03/31/2015		96.6000		
Barium, total	ug/L	MW-40	07/08/2015		71.0000		
Barium, total	ug/L	MW-40	11/05/2015		89.1000		
Barium, total	ug/L	MW-40	04/21/2016		74.0000		
Barium, total	ug/L	MW-40	10/17/2016		83.2000		
Barium, total	ug/L	MW-40	04/21/2017		82.9000		
Barium, total	ug/L	MW-40	10/16/2017		45.4000		
Barium, total	ug/L	MW-40	04/24/2018		39.7000		
Barium, total	ug/L	MW-40	10/25/2018		56.3000		
Barium, total	ug/L	MW-40	04/15/2019		35.7000		
Barium, total	ug/L	MW-40	10/07/2019		50.7000		
Barium, total	ug/L	MW-40	04/22/2020		47.5000		
Barium, total	ug/L	MW-40	10/02/2020		47.8000		
Barium, total	ug/L	MW-40	04/08/2021		83.4000		
Barium, total	ug/L	MW-40	10/29/2021		72.2000		
Barium, total	ug/L	MW-40	04/25/2022		27.9000		
Barium, total	ug/L	MW-40	10/17/2022		103.0000		
Barium, total	ug/L	MW-40	04/10/2023		42.8000		
Barium, total	ug/L	MW-40	10/27/2023		46.9000		
Barium, total	ug/L	MW-40	04/02/2024		36.4000		
Barium, total	ug/L	MW-40	10/10/2024		34.2000		
Barium, total	ug/L	MW-40	04/15/2025		46.7000		
Barium, total	ug/L	MW-40	10/16/2025		40.9000		
Beryllium, total	ug/L	MW-40	10/23/2014	ND	4.0000		
Beryllium, total	ug/L	MW-40	01/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-40	03/31/2015	ND	4.0000		
Beryllium, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/29/2021	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/25/2022	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/17/2022	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/27/2023	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-40	10/10/2024	ND	4.0000		
Beryllium, total	ug/L	MW-40	04/15/2025	ND	0.5000		*
Beryllium, total	ug/L	MW-40	10/16/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-40	10/23/2014	ND	0.8000		
Cadmium, total	ug/L	MW-40	01/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-40	03/31/2015	ND	0.8000		
Cadmium, total	ug/L	MW-40	07/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-40	11/05/2015	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/21/2016	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/17/2016	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/21/2017	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/16/2017	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/24/2018	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/25/2018	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/15/2019	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/07/2019	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/22/2020	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/02/2020	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/29/2021	ND	0.9000		
Cadmium, total	ug/L	MW-40	04/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/17/2022	ND	0.8000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, total	ug/L	MW-40	04/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/27/2023	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-40	10/10/2024	ND	0.8000		
Cadmium, total	ug/L	MW-40	04/15/2025	ND	0.2000		*
Cadmium, total	ug/L	MW-40	10/16/2025	ND	0.2000		*
Chromium, total	ug/L	MW-40	10/23/2014	ND	8.0000		
Chromium, total	ug/L	MW-40	01/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-40	03/31/2015	ND	8.0000		
Chromium, total	ug/L	MW-40	07/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-40	11/05/2015	ND	8.0000		
Chromium, total	ug/L	MW-40	04/21/2016	ND	8.0000		
Chromium, total	ug/L	MW-40	10/17/2016	ND	8.0000		
Chromium, total	ug/L	MW-40	04/21/2017	ND	8.0000		
Chromium, total	ug/L	MW-40	10/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-40	04/24/2018	ND	8.0000		
Chromium, total	ug/L	MW-40	10/25/2018	ND	8.0000		
Chromium, total	ug/L	MW-40	04/15/2019	ND	8.0000		
Chromium, total	ug/L	MW-40	10/07/2019	ND	8.0000		
Chromium, total	ug/L	MW-40	04/22/2020	ND	8.0000		
Chromium, total	ug/L	MW-40	10/02/2020	ND	8.0000		
Chromium, total	ug/L	MW-40	04/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-40	10/29/2021	ND	8.0000		
Chromium, total	ug/L	MW-40	04/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-40	10/17/2022	ND	8.0000		
Chromium, total	ug/L	MW-40	04/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-40	10/27/2023	ND	8.0000		
Chromium, total	ug/L	MW-40	04/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-40	10/10/2024	ND	8.0000		
Chromium, total	ug/L	MW-40	04/15/2025		1.2000		*
Chromium, total	ug/L	MW-40	10/16/2025		1.2000		*
Cobalt, total	ug/L	MW-40	10/23/2014	ND	0.8000		
Cobalt, total	ug/L	MW-40	01/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-40	03/31/2015	ND	0.8000		
Cobalt, total	ug/L	MW-40	07/08/2015	ND	0.8000		
Cobalt, total	ug/L	MW-40	11/05/2015	ND	0.8000		
Cobalt, total	ug/L	MW-40	04/21/2016	ND	0.8000		
Cobalt, total	ug/L	MW-40	10/17/2016	ND	0.8000		
Cobalt, total	ug/L	MW-40	04/21/2017	ND	0.8000		
Cobalt, total	ug/L	MW-40	10/16/2017	ND	0.8000		
Cobalt, total	ug/L	MW-40	04/24/2018	ND	0.8000		
Cobalt, total	ug/L	MW-40	10/25/2018	ND	0.8000		
Cobalt, total	ug/L	MW-40	04/15/2019	ND	0.8000		
Cobalt, total	ug/L	MW-40	10/07/2019	ND	0.8000		
Cobalt, total	ug/L	MW-40	04/22/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-40	10/02/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-40	04/08/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-40	10/29/2021		4.5000		
Cobalt, total	ug/L	MW-40	04/25/2022		5.6000		
Cobalt, total	ug/L	MW-40	10/17/2022		8.3000		
Cobalt, total	ug/L	MW-40	04/10/2023		10.2000		
Cobalt, total	ug/L	MW-40	10/27/2023		4.7000		
Cobalt, total	ug/L	MW-40	04/02/2024		0.5000		
Cobalt, total	ug/L	MW-40	10/10/2024		5.8000		
Cobalt, total	ug/L	MW-40	04/15/2025		3.2000		
Cobalt, total	ug/L	MW-40	10/16/2025		6.2000		
Copper, total	ug/L	MW-40	10/23/2014	ND	4.0000		
Copper, total	ug/L	MW-40	01/08/2015	ND	4.0000		
Copper, total	ug/L	MW-40	03/31/2015	ND	4.0000		
Copper, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Copper, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Copper, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Copper, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Copper, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Copper, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Copper, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Copper, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Copper, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Copper, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Copper, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Copper, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Copper, total	ug/L	MW-40	04/08/2021	ND	4.0000		
Copper, total	ug/L	MW-40	10/29/2021		5.1000		
Copper, total	ug/L	MW-40	04/25/2022	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-40	10/17/2022	ND	4.0000		
Copper, total	ug/L	MW-40	04/10/2023	ND	4.0000		
Copper, total	ug/L	MW-40	10/27/2023	ND	4.0000		
Copper, total	ug/L	MW-40	04/02/2024		8.5000		
Copper, total	ug/L	MW-40	10/10/2024	ND	4.0000		
Copper, total	ug/L	MW-40	04/15/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-40	10/16/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-40	10/23/2014	ND	4.0000		
Lead, total	ug/L	MW-40	01/08/2015	ND	4.0000		
Lead, total	ug/L	MW-40	03/31/2015	ND	4.0000		
Lead, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Lead, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Lead, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Lead, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Lead, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Lead, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Lead, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Lead, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Lead, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Lead, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Lead, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Lead, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Lead, total	ug/L	MW-40	04/08/2021	ND	4.0000		
Lead, total	ug/L	MW-40	10/29/2021	ND	4.0000		
Lead, total	ug/L	MW-40	04/25/2022	ND	4.0000		
Lead, total	ug/L	MW-40	10/17/2022	ND	4.0000		
Lead, total	ug/L	MW-40	04/10/2023	ND	4.0000		
Lead, total	ug/L	MW-40	10/27/2023	ND	4.0000		
Lead, total	ug/L	MW-40	04/02/2024	ND	4.0000		
Lead, total	ug/L	MW-40	10/10/2024	ND	4.0000		
Lead, total	ug/L	MW-40	04/15/2025	ND	1.0000		*
Lead, total	ug/L	MW-40	10/16/2025	ND	1.0000		*
Nickel, total	ug/L	MW-40	10/23/2014	ND	4.0000		
Nickel, total	ug/L	MW-40	01/08/2015	ND	4.0000		
Nickel, total	ug/L	MW-40	03/31/2015	ND	4.0000		
Nickel, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Nickel, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Nickel, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Nickel, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Nickel, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Nickel, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Nickel, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Nickel, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Nickel, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Nickel, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Nickel, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Nickel, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Nickel, total	ug/L	MW-40	04/08/2021		5.0000		
Nickel, total	ug/L	MW-40	10/29/2021		31.9000		*
Nickel, total	ug/L	MW-40	04/25/2022		18.3000		
Nickel, total	ug/L	MW-40	10/17/2022		22.1000		
Nickel, total	ug/L	MW-40	04/10/2023		16.7000		
Nickel, total	ug/L	MW-40	10/27/2023		17.0000		
Nickel, total	ug/L	MW-40	04/02/2024		16.8000		
Nickel, total	ug/L	MW-40	10/10/2024		15.4000		
Nickel, total	ug/L	MW-40	04/15/2025		16.3000		
Nickel, total	ug/L	MW-40	10/16/2025		17.5000		
Selenium, total	ug/L	MW-40	10/23/2014		4.6000		
Selenium, total	ug/L	MW-40	01/08/2015		4.8000		
Selenium, total	ug/L	MW-40	03/31/2015		4.9000		
Selenium, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Selenium, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Selenium, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Selenium, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Selenium, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Selenium, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Selenium, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Selenium, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Selenium, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Selenium, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Selenium, total	ug/L	MW-40	04/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-40	10/29/2021	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, total	ug/L	MW-40	04/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-40	10/17/2022	ND	4.0000		
Selenium, total	ug/L	MW-40	04/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-40	10/27/2023	ND	4.0000		
Selenium, total	ug/L	MW-40	04/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-40	10/10/2024	ND	4.0000		
Selenium, total	ug/L	MW-40	04/15/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-40	10/16/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-40	10/23/2014	ND	4.0000		
Silver, total	ug/L	MW-40	01/08/2015	ND	4.0000		
Silver, total	ug/L	MW-40	03/31/2015	ND	4.0000		
Silver, total	ug/L	MW-40	07/08/2015	ND	4.0000		
Silver, total	ug/L	MW-40	11/05/2015	ND	4.0000		
Silver, total	ug/L	MW-40	04/21/2016	ND	4.0000		
Silver, total	ug/L	MW-40	10/17/2016	ND	4.0000		
Silver, total	ug/L	MW-40	04/21/2017	ND	4.0000		
Silver, total	ug/L	MW-40	10/16/2017	ND	4.0000		
Silver, total	ug/L	MW-40	04/24/2018	ND	4.0000		
Silver, total	ug/L	MW-40	10/25/2018	ND	4.0000		
Silver, total	ug/L	MW-40	04/15/2019	ND	4.0000		
Silver, total	ug/L	MW-40	10/07/2019	ND	4.0000		
Silver, total	ug/L	MW-40	04/22/2020	ND	4.0000		
Silver, total	ug/L	MW-40	10/02/2020	ND	4.0000		
Silver, total	ug/L	MW-40	04/08/2021	ND	4.0000		
Silver, total	ug/L	MW-40	10/29/2021	ND	4.0000		
Silver, total	ug/L	MW-40	04/25/2022	ND	4.0000		
Silver, total	ug/L	MW-40	10/17/2022	ND	4.0000		
Silver, total	ug/L	MW-40	04/10/2023	ND	4.0000		
Silver, total	ug/L	MW-40	10/27/2023	ND	4.0000		
Silver, total	ug/L	MW-40	04/02/2024	ND	4.0000		
Silver, total	ug/L	MW-40	10/10/2024	ND	4.0000		
Silver, total	ug/L	MW-40	04/15/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-40	10/16/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-40	10/23/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	01/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	03/31/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	07/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	11/05/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	04/21/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	10/17/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	04/21/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	10/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	04/24/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	10/25/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-40	04/15/2019	ND	2.0000		
Thallium, total	ug/L	MW-40	10/07/2019	ND	2.0000		
Thallium, total	ug/L	MW-40	04/22/2020	ND	2.0000		
Thallium, total	ug/L	MW-40	10/02/2020	ND	2.0000		
Thallium, total	ug/L	MW-40	04/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-40	10/29/2021	ND	2.0000		
Thallium, total	ug/L	MW-40	04/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-40	10/17/2022	ND	2.0000		
Thallium, total	ug/L	MW-40	04/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-40	10/27/2023	ND	2.0000		
Thallium, total	ug/L	MW-40	04/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-40	10/10/2024	ND	2.0000		
Thallium, total	ug/L	MW-40	04/15/2025	ND	0.5000		*
Thallium, total	ug/L	MW-40	10/16/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-40	10/23/2014	ND	20.0000		
Vanadium, total	ug/L	MW-40	01/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-40	03/31/2015	ND	20.0000		
Vanadium, total	ug/L	MW-40	07/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-40	11/05/2015	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/21/2016	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/17/2016	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/21/2017	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/24/2018	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/25/2018	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/15/2019	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/07/2019	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/22/2020	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/02/2020	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/08/2021	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Vanadium, total	ug/L	MW-40	10/29/2021	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/17/2022	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/27/2023	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-40	10/10/2024	ND	20.0000		
Vanadium, total	ug/L	MW-40	04/15/2025	ND	2.0000		*
Vanadium, total	ug/L	MW-40	10/16/2025		2.9000		*
Zinc, total	ug/L	MW-40	10/23/2014	ND	20.0000		
Zinc, total	ug/L	MW-40	01/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	03/31/2015		12.8000		
Zinc, total	ug/L	MW-40	07/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	11/05/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	04/21/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	10/17/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	04/21/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	10/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	04/24/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	10/25/2018	ND	20.0000		
Zinc, total	ug/L	MW-40	04/15/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	10/07/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-40	04/22/2020	ND	20.0000		
Zinc, total	ug/L	MW-40	10/02/2020	ND	20.0000		
Zinc, total	ug/L	MW-40	04/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-40	10/29/2021	ND	20.0000		
Zinc, total	ug/L	MW-40	04/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-40	10/17/2022	ND	20.0000		
Zinc, total	ug/L	MW-40	04/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-40	10/27/2023	ND	20.0000		
Zinc, total	ug/L	MW-40	04/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-40	10/10/2024	ND	20.0000		
Zinc, total	ug/L	MW-40	04/15/2025		7.0000		
Zinc, total	ug/L	MW-40	10/16/2025		17.0000		
Antimony, total	ug/L	MW-47	10/23/2014	ND	2.0000		
Antimony, total	ug/L	MW-47	03/31/2015	ND	2.0000		
Antimony, total	ug/L	MW-47	07/08/2015	ND	2.0000		
Antimony, total	ug/L	MW-47	11/05/2015	ND	2.0000		
Antimony, total	ug/L	MW-47	04/21/2016	ND	2.0000		
Antimony, total	ug/L	MW-47	10/17/2016	ND	2.0000		
Antimony, total	ug/L	MW-47	04/21/2017	ND	2.0000		
Antimony, total	ug/L	MW-47	10/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-47	04/24/2018	ND	2.0000		
Antimony, total	ug/L	MW-47	10/25/2018	ND	2.0000		
Antimony, total	ug/L	MW-47	04/15/2019	ND	2.0000		
Antimony, total	ug/L	MW-47	10/07/2019	ND	2.0000		
Antimony, total	ug/L	MW-47	04/22/2020	ND	2.0000		
Antimony, total	ug/L	MW-47	10/01/2020	ND	2.0000		
Antimony, total	ug/L	MW-47	04/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-47	10/29/2021	ND	2.0000		
Antimony, total	ug/L	MW-47	04/25/2022	ND	2.0000		
Antimony, total	ug/L	MW-47	10/17/2022	ND	2.0000		
Antimony, total	ug/L	MW-47	04/10/2023	ND	2.0000		
Antimony, total	ug/L	MW-47	10/27/2023	ND	2.0000		
Antimony, total	ug/L	MW-47	04/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-47	10/10/2024	ND	2.0000		
Antimony, total	ug/L	MW-47	04/15/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-47	10/16/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-47	10/23/2014		40.0000		
Arsenic, total	ug/L	MW-47	03/31/2015		153.0000		*
Arsenic, total	ug/L	MW-47	07/08/2015		165.0000		*
Arsenic, total	ug/L	MW-47	11/05/2015		89.3000		
Arsenic, total	ug/L	MW-47	04/21/2016		1730.0000		*
Arsenic, total	ug/L	MW-47	10/17/2016		18.5000		
Arsenic, total	ug/L	MW-47	04/21/2017		860.0000		*
Arsenic, total	ug/L	MW-47	10/16/2017		720.0000		*
Arsenic, total	ug/L	MW-47	04/24/2018		700.0000		*
Arsenic, total	ug/L	MW-47	10/25/2018		84.0000		
Arsenic, total	ug/L	MW-47	04/15/2019		277.0000		
Arsenic, total	ug/L	MW-47	10/07/2019		41.0000		
Arsenic, total	ug/L	MW-47	04/22/2020		844.0000		*
Arsenic, total	ug/L	MW-47	10/01/2020		79.7000		
Arsenic, total	ug/L	MW-47	04/08/2021		236.0000		*
Arsenic, total	ug/L	MW-47	10/29/2021		50.4000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic, total	ug/L	MW-47	04/25/2022		246.0000		*
Arsenic, total	ug/L	MW-47	10/17/2022		291.0000		*
Arsenic, total	ug/L	MW-47	04/10/2023		271.0000		*
Arsenic, total	ug/L	MW-47	10/27/2023		50.2000		
Arsenic, total	ug/L	MW-47	04/02/2024		182.0000		*
Arsenic, total	ug/L	MW-47	10/10/2024		88.3000		
Arsenic, total	ug/L	MW-47	04/15/2025		311.0000		*
Arsenic, total	ug/L	MW-47	10/16/2025		152.0000		*
Barium, total	ug/L	MW-47	10/23/2014		392.0000		
Barium, total	ug/L	MW-47	03/31/2015		678.0000		
Barium, total	ug/L	MW-47	07/08/2015		630.0000		
Barium, total	ug/L	MW-47	11/05/2015		525.0000		
Barium, total	ug/L	MW-47	04/21/2016		3520.0000		*
Barium, total	ug/L	MW-47	10/17/2016		443.0000		
Barium, total	ug/L	MW-47	04/21/2017		1690.0000		
Barium, total	ug/L	MW-47	10/16/2017		1550.0000		
Barium, total	ug/L	MW-47	04/24/2018		1750.0000		
Barium, total	ug/L	MW-47	10/25/2018		310.0000		
Barium, total	ug/L	MW-47	04/15/2019		743.0000		
Barium, total	ug/L	MW-47	10/07/2019		497.0000		
Barium, total	ug/L	MW-47	04/22/2020		1880.0000		
Barium, total	ug/L	MW-47	10/01/2020		435.0000		
Barium, total	ug/L	MW-47	04/08/2021		876.0000		
Barium, total	ug/L	MW-47	10/29/2021		407.0000		
Barium, total	ug/L	MW-47	04/25/2022		565.0000		
Barium, total	ug/L	MW-47	10/17/2022		852.0000		
Barium, total	ug/L	MW-47	04/10/2023		713.0000		
Barium, total	ug/L	MW-47	10/27/2023		486.0000		
Barium, total	ug/L	MW-47	04/02/2024		570.0000		
Barium, total	ug/L	MW-47	10/10/2024		426.0000		
Barium, total	ug/L	MW-47	04/15/2025		985.0000		
Barium, total	ug/L	MW-47	10/16/2025		1090.0000		
Beryllium, total	ug/L	MW-47	10/23/2014	ND	4.0000		
Beryllium, total	ug/L	MW-47	03/31/2015	ND	4.0000		
Beryllium, total	ug/L	MW-47	07/08/2015	ND	4.0000		
Beryllium, total	ug/L	MW-47	11/05/2015	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/21/2016	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/17/2016	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/21/2017	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/24/2018	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/25/2018	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/15/2019	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/07/2019	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/22/2020	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/01/2020	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/29/2021	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/25/2022	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/17/2022	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/10/2023	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/27/2023	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-47	10/10/2024	ND	4.0000		
Beryllium, total	ug/L	MW-47	04/15/2025	ND	0.5000		*
Beryllium, total	ug/L	MW-47	10/16/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-47	10/23/2014	ND	0.8000		
Cadmium, total	ug/L	MW-47	03/31/2015	ND	0.8000		
Cadmium, total	ug/L	MW-47	07/08/2015	ND	0.8000		
Cadmium, total	ug/L	MW-47	11/05/2015	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/21/2016	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/17/2016	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/21/2017	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/16/2017	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/24/2018	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/25/2018	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/15/2019	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/07/2019	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/22/2020	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/01/2020	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/29/2021	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/25/2022	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/17/2022	ND	0.8000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, total	ug/L	MW-47	04/10/2023	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/27/2023	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-47	10/10/2024	ND	0.8000		
Cadmium, total	ug/L	MW-47	04/15/2025	ND	0.2000		*
Cadmium, total	ug/L	MW-47	10/16/2025	ND	0.2000		*
Chromium, total	ug/L	MW-47	10/23/2014	ND	8.0000		
Chromium, total	ug/L	MW-47	03/31/2015	ND	8.0000		
Chromium, total	ug/L	MW-47	07/08/2015	ND	8.0000		
Chromium, total	ug/L	MW-47	11/05/2015	ND	8.0000		
Chromium, total	ug/L	MW-47	04/21/2016	ND	8.0000		
Chromium, total	ug/L	MW-47	10/17/2016	ND	8.0000		
Chromium, total	ug/L	MW-47	04/21/2017	ND	8.0000		
Chromium, total	ug/L	MW-47	10/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-47	04/24/2018	ND	8.0000		
Chromium, total	ug/L	MW-47	10/25/2018	ND	8.0000		
Chromium, total	ug/L	MW-47	04/15/2019	ND	8.0000		
Chromium, total	ug/L	MW-47	10/07/2019	ND	8.0000		
Chromium, total	ug/L	MW-47	04/22/2020	ND	8.0000		
Chromium, total	ug/L	MW-47	10/01/2020	ND	8.0000		
Chromium, total	ug/L	MW-47	04/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-47	10/29/2021	ND	8.0000		
Chromium, total	ug/L	MW-47	04/25/2022	ND	8.0000		
Chromium, total	ug/L	MW-47	10/17/2022	ND	8.0000		
Chromium, total	ug/L	MW-47	04/10/2023	ND	8.0000		
Chromium, total	ug/L	MW-47	10/27/2023	ND	8.0000		
Chromium, total	ug/L	MW-47	04/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-47	10/10/2024	ND	8.0000		
Chromium, total	ug/L	MW-47	04/15/2025		1.3000		*
Chromium, total	ug/L	MW-47	10/16/2025	ND	1.0000		*
Cobalt, total	ug/L	MW-47	10/23/2014		0.8000		
Cobalt, total	ug/L	MW-47	03/31/2015		1.0000		
Cobalt, total	ug/L	MW-47	07/08/2015		1.5000		
Cobalt, total	ug/L	MW-47	11/05/2015		1.2000		
Cobalt, total	ug/L	MW-47	04/21/2016		4.2000		
Cobalt, total	ug/L	MW-47	10/17/2016		12.4000		
Cobalt, total	ug/L	MW-47	04/21/2017		1.9000		
Cobalt, total	ug/L	MW-47	10/16/2017		1.5000		
Cobalt, total	ug/L	MW-47	04/24/2018		1.5000		
Cobalt, total	ug/L	MW-47	10/25/2018	ND	0.8000		
Cobalt, total	ug/L	MW-47	04/15/2019		0.9000		
Cobalt, total	ug/L	MW-47	10/07/2019	ND	0.8000		
Cobalt, total	ug/L	MW-47	04/22/2020		1.9000		
Cobalt, total	ug/L	MW-47	10/01/2020		0.9000		
Cobalt, total	ug/L	MW-47	04/08/2021		1.2000		
Cobalt, total	ug/L	MW-47	10/29/2021		0.7000		
Cobalt, total	ug/L	MW-47	04/25/2022		0.7000		
Cobalt, total	ug/L	MW-47	10/17/2022		3.8000		
Cobalt, total	ug/L	MW-47	04/10/2023		1.8000		
Cobalt, total	ug/L	MW-47	10/27/2023		2.3000		
Cobalt, total	ug/L	MW-47	04/02/2024		1.8000		
Cobalt, total	ug/L	MW-47	10/10/2024		0.8000		
Cobalt, total	ug/L	MW-47	04/15/2025		2.4000		
Cobalt, total	ug/L	MW-47	10/16/2025		2.0000		
Copper, total	ug/L	MW-47	10/23/2014	ND	4.0000		
Copper, total	ug/L	MW-47	03/31/2015	ND	4.0000		
Copper, total	ug/L	MW-47	07/08/2015	ND	4.0000		
Copper, total	ug/L	MW-47	11/05/2015	ND	4.0000		
Copper, total	ug/L	MW-47	04/21/2016		4.6000		
Copper, total	ug/L	MW-47	10/17/2016	ND	4.0000		
Copper, total	ug/L	MW-47	04/21/2017	ND	4.0000		
Copper, total	ug/L	MW-47	10/16/2017		4.9000		
Copper, total	ug/L	MW-47	04/24/2018	ND	4.0000		
Copper, total	ug/L	MW-47	10/25/2018	ND	4.0000		
Copper, total	ug/L	MW-47	04/15/2019	ND	4.0000		
Copper, total	ug/L	MW-47	10/07/2019	ND	4.0000		
Copper, total	ug/L	MW-47	04/22/2020	ND	4.0000		
Copper, total	ug/L	MW-47	10/01/2020	ND	4.0000		
Copper, total	ug/L	MW-47	04/08/2021	ND	4.0000		
Copper, total	ug/L	MW-47	10/29/2021	ND	4.0000		
Copper, total	ug/L	MW-47	04/25/2022	ND	4.0000		
Copper, total	ug/L	MW-47	10/17/2022	ND	4.0000		
Copper, total	ug/L	MW-47	04/10/2023	ND	4.0000		
Copper, total	ug/L	MW-47	10/27/2023	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-47	04/02/2024		4.4000		
Copper, total	ug/L	MW-47	10/10/2024	ND	4.0000		
Copper, total	ug/L	MW-47	04/15/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-47	10/16/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-47	10/23/2014	ND	4.0000		
Lead, total	ug/L	MW-47	03/31/2015	ND	4.0000		
Lead, total	ug/L	MW-47	07/08/2015	ND	4.0000		
Lead, total	ug/L	MW-47	11/05/2015	ND	4.0000		
Lead, total	ug/L	MW-47	04/21/2016	ND	4.0000		
Lead, total	ug/L	MW-47	10/17/2016	ND	4.0000		
Lead, total	ug/L	MW-47	04/21/2017	ND	4.0000		
Lead, total	ug/L	MW-47	10/16/2017	ND	4.0000		
Lead, total	ug/L	MW-47	04/24/2018	ND	4.0000		
Lead, total	ug/L	MW-47	10/25/2018	ND	4.0000		
Lead, total	ug/L	MW-47	04/15/2019	ND	4.0000		
Lead, total	ug/L	MW-47	10/07/2019	ND	4.0000		
Lead, total	ug/L	MW-47	04/22/2020	ND	4.0000		
Lead, total	ug/L	MW-47	10/01/2020	ND	4.0000		
Lead, total	ug/L	MW-47	04/08/2021	ND	4.0000		
Lead, total	ug/L	MW-47	10/29/2021	ND	4.0000		
Lead, total	ug/L	MW-47	04/25/2022	ND	4.0000		
Lead, total	ug/L	MW-47	10/17/2022	ND	4.0000		
Lead, total	ug/L	MW-47	04/10/2023	ND	4.0000		
Lead, total	ug/L	MW-47	10/27/2023	ND	4.0000		
Lead, total	ug/L	MW-47	04/02/2024	ND	4.0000		
Lead, total	ug/L	MW-47	10/10/2024	ND	4.0000		
Lead, total	ug/L	MW-47	04/15/2025	ND	1.0000		*
Lead, total	ug/L	MW-47	10/16/2025	ND	1.0000		*
Nickel, total	ug/L	MW-47	10/23/2014	ND	4.0000		
Nickel, total	ug/L	MW-47	03/31/2015	ND	4.0000		
Nickel, total	ug/L	MW-47	07/08/2015	ND	4.0000		
Nickel, total	ug/L	MW-47	11/05/2015	ND	4.0000		
Nickel, total	ug/L	MW-47	04/21/2016		9.2000		
Nickel, total	ug/L	MW-47	10/17/2016		31.6000		
Nickel, total	ug/L	MW-47	04/21/2017		4.0000		
Nickel, total	ug/L	MW-47	10/16/2017		5.9000		
Nickel, total	ug/L	MW-47	04/24/2018		15.8000		
Nickel, total	ug/L	MW-47	10/25/2018	ND	4.0000		
Nickel, total	ug/L	MW-47	04/15/2019	ND	4.0000		
Nickel, total	ug/L	MW-47	10/07/2019	ND	4.0000		
Nickel, total	ug/L	MW-47	04/22/2020		4.7000		
Nickel, total	ug/L	MW-47	10/01/2020	ND	4.0000		
Nickel, total	ug/L	MW-47	04/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-47	10/29/2021	ND	4.0000		
Nickel, total	ug/L	MW-47	04/25/2022	ND	4.0000		
Nickel, total	ug/L	MW-47	10/17/2022	ND	4.0000		
Nickel, total	ug/L	MW-47	04/10/2023	ND	4.0000		
Nickel, total	ug/L	MW-47	10/27/2023		11.7000		
Nickel, total	ug/L	MW-47	04/02/2024		8.0000		
Nickel, total	ug/L	MW-47	10/10/2024	ND	4.0000		
Nickel, total	ug/L	MW-47	04/15/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-47	10/16/2025		5.6000		
Selenium, total	ug/L	MW-47	10/23/2014	ND	4.0000		
Selenium, total	ug/L	MW-47	03/31/2015	ND	4.0000		
Selenium, total	ug/L	MW-47	07/08/2015	ND	4.0000		
Selenium, total	ug/L	MW-47	11/05/2015	ND	4.0000		
Selenium, total	ug/L	MW-47	04/21/2016	ND	4.0000		
Selenium, total	ug/L	MW-47	10/17/2016	ND	4.0000		
Selenium, total	ug/L	MW-47	04/21/2017	ND	4.0000		
Selenium, total	ug/L	MW-47	10/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-47	04/24/2018	ND	4.0000		
Selenium, total	ug/L	MW-47	10/25/2018	ND	4.0000		
Selenium, total	ug/L	MW-47	04/15/2019	ND	4.0000		
Selenium, total	ug/L	MW-47	10/07/2019	ND	4.0000		
Selenium, total	ug/L	MW-47	04/22/2020	ND	4.0000		
Selenium, total	ug/L	MW-47	10/01/2020	ND	4.0000		
Selenium, total	ug/L	MW-47	04/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-47	10/29/2021	ND	4.0000		
Selenium, total	ug/L	MW-47	04/25/2022	ND	4.0000		
Selenium, total	ug/L	MW-47	10/17/2022	ND	4.0000		
Selenium, total	ug/L	MW-47	04/10/2023	ND	4.0000		
Selenium, total	ug/L	MW-47	10/27/2023	ND	4.0000		
Selenium, total	ug/L	MW-47	04/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-47	10/10/2024	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, total	ug/L	MW-47	04/15/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-47	10/16/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-47	10/23/2014	ND	4.0000		
Silver, total	ug/L	MW-47	03/31/2015	ND	4.0000		
Silver, total	ug/L	MW-47	07/08/2015	ND	4.0000		
Silver, total	ug/L	MW-47	11/05/2015	ND	4.0000		
Silver, total	ug/L	MW-47	04/21/2016	ND	4.0000		
Silver, total	ug/L	MW-47	10/17/2016	ND	4.0000		
Silver, total	ug/L	MW-47	04/21/2017	ND	4.0000		
Silver, total	ug/L	MW-47	10/16/2017	ND	4.0000		
Silver, total	ug/L	MW-47	04/24/2018	ND	4.0000		
Silver, total	ug/L	MW-47	10/25/2018	ND	4.0000		
Silver, total	ug/L	MW-47	04/15/2019	ND	4.0000		
Silver, total	ug/L	MW-47	10/07/2019	ND	4.0000		
Silver, total	ug/L	MW-47	04/22/2020	ND	4.0000		
Silver, total	ug/L	MW-47	10/01/2020	ND	4.0000		
Silver, total	ug/L	MW-47	04/08/2021	ND	4.0000		
Silver, total	ug/L	MW-47	10/29/2021	ND	4.0000		
Silver, total	ug/L	MW-47	04/25/2022	ND	4.0000		
Silver, total	ug/L	MW-47	10/17/2022	ND	4.0000		
Silver, total	ug/L	MW-47	04/10/2023	ND	4.0000		
Silver, total	ug/L	MW-47	10/27/2023	ND	4.0000		
Silver, total	ug/L	MW-47	04/02/2024	ND	4.0000		
Silver, total	ug/L	MW-47	10/10/2024	ND	4.0000		
Silver, total	ug/L	MW-47	04/15/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-47	10/16/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-47	10/23/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	03/31/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	07/08/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	11/05/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	04/21/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	10/17/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	04/21/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	10/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	04/24/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	10/25/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-47	04/15/2019	ND	2.0000		
Thallium, total	ug/L	MW-47	10/07/2019	ND	2.0000		
Thallium, total	ug/L	MW-47	04/22/2020	ND	2.0000		
Thallium, total	ug/L	MW-47	10/01/2020	ND	2.0000		
Thallium, total	ug/L	MW-47	04/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-47	10/29/2021	ND	2.0000		
Thallium, total	ug/L	MW-47	04/25/2022	ND	2.0000		
Thallium, total	ug/L	MW-47	10/17/2022	ND	2.0000		
Thallium, total	ug/L	MW-47	04/10/2023	ND	2.0000		
Thallium, total	ug/L	MW-47	10/27/2023	ND	2.0000		
Thallium, total	ug/L	MW-47	04/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-47	10/10/2024	ND	2.0000		
Thallium, total	ug/L	MW-47	04/15/2025	ND	0.5000		*
Thallium, total	ug/L	MW-47	10/16/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-47	10/23/2014	ND	20.0000		
Vanadium, total	ug/L	MW-47	03/31/2015	ND	20.0000		
Vanadium, total	ug/L	MW-47	07/08/2015	ND	20.0000		
Vanadium, total	ug/L	MW-47	11/05/2015	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/21/2016	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/17/2016	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/21/2017	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/24/2018	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/25/2018	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/15/2019	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/07/2019	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/22/2020	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/01/2020	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/29/2021	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/25/2022	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/17/2022	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/10/2023	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/27/2023	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-47	10/10/2024	ND	20.0000		
Vanadium, total	ug/L	MW-47	04/15/2025	ND	2.0000		*
Vanadium, total	ug/L	MW-47	10/16/2025	ND	2.0000		*

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	MW-47	10/23/2014	ND	20.0000		
Zinc, total	ug/L	MW-47	03/31/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	07/08/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	11/05/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	04/21/2016		12.0000		
Zinc, total	ug/L	MW-47	10/17/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	04/21/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	10/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	04/24/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	10/25/2018	ND	20.0000		
Zinc, total	ug/L	MW-47	04/15/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	10/07/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-47	04/22/2020	ND	20.0000		
Zinc, total	ug/L	MW-47	10/01/2020	ND	20.0000		
Zinc, total	ug/L	MW-47	04/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-47	10/29/2021	ND	20.0000		
Zinc, total	ug/L	MW-47	04/25/2022	ND	20.0000		
Zinc, total	ug/L	MW-47	10/17/2022	ND	20.0000		
Zinc, total	ug/L	MW-47	04/10/2023	ND	20.0000		
Zinc, total	ug/L	MW-47	10/27/2023		25.9000		
Zinc, total	ug/L	MW-47	04/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-47	10/10/2024	ND	20.0000		
Zinc, total	ug/L	MW-47	04/15/2025	ND	5.0000	20.0000	**
Zinc, total	ug/L	MW-47	10/16/2025		9.3000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, total	ug/L	GU-3	10/16/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	GU-3	10/16/2025		10.3000		89.3000
Barium, total	ug/L	GU-3	10/16/2025		183.0000		1880.0000
Beryllium, total	ug/L	GU-3	10/16/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	GU-3	10/16/2025	ND	0.2000		0.9000
Chromium, total	ug/L	GU-3	10/16/2025	ND	1.0000		20.3000
Cobalt, total	ug/L	GU-3	10/16/2025		0.5000		12.4000
Copper, total	ug/L	GU-3	10/16/2025	ND	5.0000		11.3000
Lead, total	ug/L	GU-3	10/16/2025	ND	1.0000		4.4000
Nickel, total	ug/L	GU-3	10/16/2025	ND	5.0000		31.6000
Selenium, total	ug/L	GU-3	10/16/2025	ND	2.0000		4.9000
Silver, total	ug/L	GU-3	10/16/2025	ND	5.0000		4.0000
Thallium, total	ug/L	GU-3	10/16/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	GU-3	10/16/2025	ND	2.0000		22.4000
Zinc, total	ug/L	GU-3	10/16/2025		6.8000		38.0000
Antimony, total	ug/L	MW-13R	10/16/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-13R	10/16/2025		209.0000	***	89.3000
Barium, total	ug/L	MW-13R	10/16/2025		714.0000		1880.0000
Beryllium, total	ug/L	MW-13R	10/16/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-13R	10/16/2025	ND	0.2000		0.9000
Chromium, total	ug/L	MW-13R	10/16/2025		1.0000		20.3000
Cobalt, total	ug/L	MW-13R	10/16/2025		2.7000		12.4000
Copper, total	ug/L	MW-13R	10/16/2025	ND	5.0000		11.3000
Lead, total	ug/L	MW-13R	10/16/2025	ND	1.0000		4.4000
Nickel, total	ug/L	MW-13R	10/16/2025		5.0000		31.6000
Selenium, total	ug/L	MW-13R	10/16/2025	ND	2.0000		4.9000
Silver, total	ug/L	MW-13R	10/16/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-13R	10/16/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-13R	10/16/2025	ND	2.0000		22.4000
Zinc, total	ug/L	MW-13R	10/16/2025		6.0000		38.0000
Antimony, total	ug/L	MW-14	10/16/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-14	10/16/2025		73.9000		89.3000
Barium, total	ug/L	MW-14	10/16/2025		650.0000		1880.0000
Beryllium, total	ug/L	MW-14	10/16/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-14	10/16/2025	ND	0.2000		0.9000
Chromium, total	ug/L	MW-14	10/16/2025	ND	1.0000		20.3000
Cobalt, total	ug/L	MW-14	10/16/2025		10.3000	**	12.4000
Copper, total	ug/L	MW-14	10/16/2025		7.9000		11.3000
Lead, total	ug/L	MW-14	10/16/2025	ND	1.0000		4.4000
Nickel, total	ug/L	MW-14	10/16/2025		14.4000		31.6000
Selenium, total	ug/L	MW-14	10/16/2025	ND	2.0000		4.9000
Silver, total	ug/L	MW-14	10/16/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-14	10/16/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-14	10/16/2025	ND	2.0000		22.4000
Zinc, total	ug/L	MW-14	10/16/2025		7.4000		38.0000
Antimony, total	ug/L	MW-29	10/16/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-29	10/16/2025	ND	2.0000		89.3000
Barium, total	ug/L	MW-29	10/16/2025		114.0000		1880.0000
Beryllium, total	ug/L	MW-29	10/16/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-29	10/16/2025	ND	0.2000		0.9000
Chromium, total	ug/L	MW-29	10/16/2025		1.0000		20.3000
Cobalt, total	ug/L	MW-29	10/16/2025	ND	0.5000		12.4000
Copper, total	ug/L	MW-29	10/16/2025	ND	5.0000		11.3000
Lead, total	ug/L	MW-29	10/16/2025	ND	1.0000		4.4000
Nickel, total	ug/L	MW-29	10/16/2025	ND	5.0000		31.6000
Selenium, total	ug/L	MW-29	10/16/2025		2.8000		4.9000
Silver, total	ug/L	MW-29	10/16/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-29	10/16/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-29	10/16/2025	ND	2.0000		22.4000
Zinc, total	ug/L	MW-29	10/16/2025		11.0000		38.0000
Antimony, total	ug/L	MW-33	10/16/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-33	10/16/2025	ND	2.0000		89.3000
Barium, total	ug/L	MW-33	10/16/2025		281.0000		1880.0000
Beryllium, total	ug/L	MW-33	10/16/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-33	10/16/2025	ND	0.2000		0.9000
Chromium, total	ug/L	MW-33	10/16/2025		1.2000		20.3000
Cobalt, total	ug/L	MW-33	10/16/2025		0.7000		12.4000
Copper, total	ug/L	MW-33	10/16/2025	ND	5.0000		11.3000
Lead, total	ug/L	MW-33	10/16/2025	ND	1.0000		4.4000
Nickel, total	ug/L	MW-33	10/16/2025	ND	5.0000		31.6000
Selenium, total	ug/L	MW-33	10/16/2025	ND	2.0000		4.9000
Silver, total	ug/L	MW-33	10/16/2025	ND	5.0000		4.0000

* - Current value failed - awaiting verification.

** - Current value passed - previous exceedance not verified.

*** - Current value failed - exceedance verified.

**** - Current value passed - awaiting one more verification.

***** - Insufficient background data to compute prediction limit.

ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Thallium, total	ug/L	MW-33	10/16/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-33	10/16/2025	ND	2.0000		22.4000
Zinc, total	ug/L	MW-33	10/16/2025		9.3000		38.0000
Antimony, total	ug/L	MW-35R	10/16/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-35R	10/16/2025		31.4000		89.3000
Barium, total	ug/L	MW-35R	10/16/2025		1780.0000		1880.0000
Beryllium, total	ug/L	MW-35R	10/16/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-35R	10/16/2025	ND	0.2000		0.9000
Chromium, total	ug/L	MW-35R	10/16/2025		1.0000		20.3000
Cobalt, total	ug/L	MW-35R	10/16/2025		7.6000		12.4000
Copper, total	ug/L	MW-35R	10/16/2025	ND	5.0000		11.3000
Lead, total	ug/L	MW-35R	10/16/2025	ND	1.0000		4.4000
Nickel, total	ug/L	MW-35R	10/16/2025		27.7000		31.6000
Selenium, total	ug/L	MW-35R	10/16/2025	ND	2.0000		4.9000
Silver, total	ug/L	MW-35R	10/16/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-35R	10/16/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-35R	10/16/2025	ND	2.0000		22.4000
Zinc, total	ug/L	MW-35R	10/16/2025		20.0000		38.0000
Antimony, total	ug/L	MW-7	10/16/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-7	10/16/2025		212.0000	***	89.3000
Barium, total	ug/L	MW-7	10/16/2025		403.0000		1880.0000
Beryllium, total	ug/L	MW-7	10/16/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-7	10/16/2025	ND	0.2000		0.9000
Chromium, total	ug/L	MW-7	10/16/2025	ND	1.0000		20.3000
Cobalt, total	ug/L	MW-7	10/16/2025		3.7000		12.4000
Copper, total	ug/L	MW-7	10/16/2025	ND	5.0000		11.3000
Lead, total	ug/L	MW-7	10/16/2025	ND	1.0000		4.4000
Nickel, total	ug/L	MW-7	10/16/2025		7.0000		31.6000
Selenium, total	ug/L	MW-7	10/16/2025	ND	2.0000		4.9000
Silver, total	ug/L	MW-7	10/16/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-7	10/16/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-7	10/16/2025	ND	2.0000		22.4000
Zinc, total	ug/L	MW-7	10/16/2025		18.6000		38.0000
Antimony, total	ug/L	MW-9	10/16/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-9	10/16/2025		5.7000		89.3000
Barium, total	ug/L	MW-9	10/16/2025		221.0000		1880.0000
Beryllium, total	ug/L	MW-9	10/16/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-9	10/16/2025	ND	0.2000		0.9000
Chromium, total	ug/L	MW-9	10/16/2025	ND	1.0000		20.3000
Cobalt, total	ug/L	MW-9	10/16/2025		5.2000		12.4000
Copper, total	ug/L	MW-9	10/16/2025	ND	5.0000		11.3000
Lead, total	ug/L	MW-9	10/16/2025	ND	1.0000		4.4000
Nickel, total	ug/L	MW-9	10/16/2025		19.6000		31.6000
Selenium, total	ug/L	MW-9	10/16/2025	ND	2.0000		4.9000
Silver, total	ug/L	MW-9	10/16/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-9	10/16/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-9	10/16/2025	ND	2.0000		22.4000
Zinc, total	ug/L	MW-9	10/16/2025		5.1000		38.0000

* - Current value failed - awaiting verification.

** - Current value passed - previous exceedance not verified.

*** - Current value failed - exceedance verified.

**** - Current value passed - awaiting one more verification.

***** - Insufficient background data to compute prediction limit.

ND = Not Detected, Result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Antimony, total	0	120	0.000	0	214	0.000
Arsenic, total	17	105	0.162	125	215	0.581
Barium, total	119	119	1.000	215	215	1.000
Beryllium, total	0	110	0.000	0	215	0.000
Cadmium, total	1	110	0.009	3	215	0.014
Chromium, total	3	109	0.028	18	214	0.084
Cobalt, total	53	116	0.457	140	217	0.645
Copper, total	10	117	0.085	27	216	0.125
Lead, total	3	109	0.028	10	215	0.047
Nickel, total	26	116	0.224	142	216	0.657
Selenium, total	3	119	0.025	4	215	0.019
Silver, total	0	120	0.000	0	214	0.000
Thallium, total	0	110	0.000	0	214	0.000
Vanadium, total	1	110	0.009	9	215	0.042
Zinc, total	18	120	0.150	42	217	0.194

N = Total number of measurements in all wells.

Detect = Total number of detections in all wells.

Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub	Crit Value	Dist Form	Model Type
Antimony, total	0	120	0.000									nonpar
Arsenic, total	17	105	0.162	0.005	0.163					2.326	normal	nonpar
Barium, total	119	119	1.000	4.779	2.436					2.326	non-norm	nonpar
Beryllium, total	0	110	0.000									nonpar
Cadmium, total	1	110	0.009									nonpar
Chromium, total	3	109	0.028									nonpar
Cobalt, total	53	116	0.457	4.769	2.015					2.326	lognor	nonpar
Copper, total	10	117	0.085	0.449	0.934					2.326	normal	nonpar
Lead, total	3	109	0.028	2.393	2.163					2.326	lognor	nonpar
Nickel, total	26	116	0.224	2.723	2.206					2.326	lognor	nonpar
Selenium, total	3	119	0.025	0.346	0.307					2.326	normal	nonpar
Silver, total	0	120	0.000									nonpar
Thallium, total	0	110	0.000									nonpar
Vanadium, total	1	110	0.009									nonpar
Zinc, total	18	120	0.150	0.210	0.573					2.326	normal	nonpar

* - Distribution override for that constituent.

Fit to distribution is confirmed if $G \leq$ critical value.

Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Antimony, total	ug/L	0	120					2.0000	nonpar	***	0.99
Arsenic, total	ug/L	17	105					89.3000	nonpar		0.99
Barium, total	ug/L	119	119					1880.0000	nonpar		0.99
Beryllium, total	ug/L	0	110					4.0000	nonpar	***	0.99
Cadmium, total	ug/L	1	110					0.9000	nonpar		0.99
Chromium, total	ug/L	3	109					20.3000	nonpar		0.99
Cobalt, total	ug/L	53	116					12.4000	nonpar		0.99
Copper, total	ug/L	10	117					11.3000	nonpar		0.99
Lead, total	ug/L	3	109					4.4000	nonpar		0.99
Nickel, total	ug/L	26	116					31.6000	nonpar		0.99
Selenium, total	ug/L	3	119					4.9000	nonpar		0.99
Silver, total	ug/L	0	120					4.0000	nonpar	***	0.99
Thallium, total	ug/L	0	110					2.0000	nonpar	***	0.99
Vanadium, total	ug/L	1	110					22.4000	nonpar		0.99
Zinc, total	ug/L	18	120					38.0000	nonpar		0.99

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).

* - Insufficient Data.

** - Calculated limit raised to Manual Reporting Limit.

*** - Nonparametric limit based on ND value.

For transformed data, mean and SD in transformed units and prediction limit in original units.

All sample sizes and statistics are based on outlier free data.

For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

**Dixon's Test Outliers
1% Significance Level**

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Beryllium, total	ug/L	MW-36	04/15/2025	0.5000	< 0.5000	07/08/2015-10/16/2025	21	0.5381
Beryllium, total	ug/L	MW-36	10/16/2025	0.5000	< 0.5000	07/08/2015-10/16/2025	21	0.5381
Cadmium, total	ug/L	MW-36	04/15/2025	0.2000		07/08/2015-10/16/2025	21	0.5381
Cadmium, total	ug/L	MW-36	10/16/2025	0.2000	< 0.2000	07/08/2015-10/16/2025	21	0.5381
Chromium, total	ug/L	MW-36	04/15/2025	1.4000		07/08/2015-10/16/2025	21	0.5381
Chromium, total	ug/L	MW-36	10/16/2025	1.0000		07/08/2015-10/16/2025	21	0.5381
Copper, total	ug/L	MW-36	10/10/2024	19.2000		07/08/2015-10/16/2025	21	0.5263
Lead, total	ug/L	MW-36	04/15/2025	1.0000	< 1.0000	07/08/2015-10/16/2025	21	0.5381
Lead, total	ug/L	MW-36	10/16/2025	1.0000	< 1.0000	07/08/2015-10/16/2025	21	0.5381
Thallium, total	ug/L	MW-36	04/15/2025	0.5000	< 0.5000	07/08/2015-10/16/2025	21	0.5381
Thallium, total	ug/L	MW-36	10/16/2025	0.5000	< 0.5000	07/08/2015-10/16/2025	21	0.5381
Vanadium, total	ug/L	MW-36	04/15/2025	2.1000		07/08/2015-10/16/2025	21	0.5381
Vanadium, total	ug/L	MW-36	10/16/2025	2.0000	< 2.0000	07/08/2015-10/16/2025	21	0.5381
Beryllium, total	ug/L	MW-37	04/15/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	25	0.4969
Beryllium, total	ug/L	MW-37	10/16/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	25	0.4969
Cadmium, total	ug/L	MW-37	04/15/2025	0.2000	< 0.2000	10/23/2014-10/16/2025	25	0.4969
Cadmium, total	ug/L	MW-37	10/16/2025	0.2000	< 0.2000	10/23/2014-10/16/2025	25	0.4969
Chromium, total	ug/L	MW-37	04/15/2025	2.1000		10/23/2014-10/16/2025	25	0.4969
Chromium, total	ug/L	MW-37	10/16/2025	1.1000		10/23/2014-10/16/2025	25	0.4969
Cobalt, total	ug/L	MW-37	10/27/2023	9.6000		10/23/2014-10/16/2025	25	0.4969
Cobalt, total	ug/L	MW-37	10/10/2024	4.4000		10/23/2014-10/16/2025	25	0.4969
Copper, total	ug/L	MW-37	10/25/2018	13.7000		10/23/2014-10/16/2025	25	0.4893
Lead, total	ug/L	MW-37	04/15/2025	1.0000	< 1.0000	10/23/2014-10/16/2025	24	0.5065
Lead, total	ug/L	MW-37	10/16/2025	1.0000	< 1.0000	10/23/2014-10/16/2025	24	0.5065
Nickel, total	ug/L	MW-37	10/27/2023	13.9000		10/23/2014-10/16/2025	25	0.4969
Nickel, total	ug/L	MW-37	10/10/2024	18.7000		10/23/2014-10/16/2025	25	0.4969
Thallium, total	ug/L	MW-37	04/15/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	25	0.4969
Thallium, total	ug/L	MW-37	10/16/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	25	0.4969
Vanadium, total	ug/L	MW-37	04/15/2025	2.0000	< 2.0000	10/23/2014-10/16/2025	25	0.4969
Vanadium, total	ug/L	MW-37	10/16/2025	2.0000	< 2.0000	10/23/2014-10/16/2025	25	0.4969
Beryllium, total	ug/L	MW-39	04/15/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	25	0.4969
Beryllium, total	ug/L	MW-39	10/16/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	25	0.4969
Cadmium, total	ug/L	MW-39	04/15/2025	0.2000	< 0.2000	10/23/2014-10/16/2025	25	0.4969
Cadmium, total	ug/L	MW-39	10/16/2025	0.2000	< 0.2000	10/23/2014-10/16/2025	25	0.4969
Chromium, total	ug/L	MW-39	01/08/2015	29.6000		10/23/2014-10/16/2025	25	0.4893
Chromium, total	ug/L	MW-39	04/15/2025	1.2000		10/23/2014-10/16/2025	25	0.4969
Chromium, total	ug/L	MW-39	10/16/2025	1.0000	< 1.0000	10/23/2014-10/16/2025	25	0.4969
Cobalt, total	ug/L	MW-39	11/05/2015	3.3000		10/23/2014-10/16/2025	25	0.4893
Copper, total	ug/L	MW-39	04/02/2024	126.0000		10/23/2014-10/16/2025	25	0.4893
Lead, total	ug/L	MW-39	04/15/2025	1.0000	< 1.0000	10/23/2014-10/16/2025	25	0.4969
Lead, total	ug/L	MW-39	10/16/2025	1.0000	< 1.0000	10/23/2014-10/16/2025	25	0.4969
Nickel, total	ug/L	MW-39	01/08/2015	20.5000		10/23/2014-10/16/2025	25	0.4893
Thallium, total	ug/L	MW-39	04/15/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	25	0.4969
Thallium, total	ug/L	MW-39	10/16/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	25	0.4969
Vanadium, total	ug/L	MW-39	04/15/2025	2.0000	< 2.0000	10/23/2014-10/16/2025	25	0.4969
Vanadium, total	ug/L	MW-39	10/16/2025	2.0000	< 2.0000	10/23/2014-10/16/2025	25	0.4969
Beryllium, total	ug/L	MW-40	04/15/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	25	0.4969
Beryllium, total	ug/L	MW-40	10/16/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	25	0.4969
Cadmium, total	ug/L	MW-40	04/15/2025	0.2000	< 0.2000	10/23/2014-10/16/2025	25	0.4969
Cadmium, total	ug/L	MW-40	10/16/2025	0.2000	< 0.2000	10/23/2014-10/16/2025	25	0.4969
Chromium, total	ug/L	MW-40	04/15/2025	1.2000		10/23/2014-10/16/2025	25	0.4969
Chromium, total	ug/L	MW-40	10/16/2025	1.2000		10/23/2014-10/16/2025	25	0.4969
Lead, total	ug/L	MW-40	04/15/2025	1.0000	< 1.0000	10/23/2014-10/16/2025	25	0.4969
Lead, total	ug/L	MW-40	10/16/2025	1.0000	< 1.0000	10/23/2014-10/16/2025	25	0.4969
Thallium, total	ug/L	MW-40	04/15/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	25	0.4969
Thallium, total	ug/L	MW-40	10/16/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	25	0.4969
Vanadium, total	ug/L	MW-40	04/15/2025	2.0000	< 2.0000	10/23/2014-10/16/2025	25	0.4969
Vanadium, total	ug/L	MW-40	10/16/2025	2.9000		10/23/2014-10/16/2025	25	0.4969
Beryllium, total	ug/L	MW-47	04/15/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	24	0.5065
Beryllium, total	ug/L	MW-47	10/16/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	24	0.5065
Cadmium, total	ug/L	MW-47	04/15/2025	0.2000	< 0.2000	10/23/2014-10/16/2025	24	0.5065
Cadmium, total	ug/L	MW-47	10/16/2025	0.2000	< 0.2000	10/23/2014-10/16/2025	24	0.5065
Chromium, total	ug/L	MW-47	04/15/2025	1.3000		10/23/2014-10/16/2025	24	0.5065
Chromium, total	ug/L	MW-47	10/16/2025	1.0000	< 1.0000	10/23/2014-10/16/2025	24	0.5065
Lead, total	ug/L	MW-47	04/15/2025	1.0000	< 1.0000	10/23/2014-10/16/2025	24	0.5065
Lead, total	ug/L	MW-47	10/16/2025	1.0000	< 1.0000	10/23/2014-10/16/2025	24	0.5065
Thallium, total	ug/L	MW-47	04/15/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	24	0.5065
Thallium, total	ug/L	MW-47	10/16/2025	0.5000	< 0.5000	10/23/2014-10/16/2025	24	0.5065
Vanadium, total	ug/L	MW-47	04/15/2025	2.0000	< 2.0000	10/23/2014-10/16/2025	24	0.5065
Vanadium, total	ug/L	MW-47	10/16/2025	2.0000	< 2.0000	10/23/2014-10/16/2025	24	0.5065

N = Total number of independent measurements in background at each well.

Date Range = Dates of the first and last measurements included in background at each well.

Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Arsenic, total	ug/L	MW-13R	01/13/2011		49.8000	89.3000
Arsenic, total	ug/L	MW-13R	04/08/2011		26.0000	89.3000
Arsenic, total	ug/L	MW-13R	10/18/2011		12.9000	89.3000
Arsenic, total	ug/L	MW-13R	04/18/2012		131.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	10/16/2012		16.7000	89.3000
Arsenic, total	ug/L	MW-13R	04/03/2013		27.2000	89.3000
Arsenic, total	ug/L	MW-13R	10/09/2013		67.9000	89.3000
Arsenic, total	ug/L	MW-13R	04/16/2014		114.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	10/23/2014		86.0000	89.3000
Arsenic, total	ug/L	MW-13R	04/01/2015		104.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	11/05/2015		63.7000	89.3000
Arsenic, total	ug/L	MW-13R	04/21/2016		299.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	10/17/2016		143.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	04/21/2017		156.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	10/16/2017		179.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	04/24/2018		105.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	10/25/2018		75.3000	89.3000
Arsenic, total	ug/L	MW-13R	04/15/2019		145.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	10/07/2019		72.2000	89.3000
Arsenic, total	ug/L	MW-13R	04/22/2020		506.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	10/02/2020		140.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	04/08/2021		118.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	10/29/2021		161.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	04/25/2022		252.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	10/17/2022		124.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	04/10/2023		193.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	10/27/2023		82.7000	89.3000
Arsenic, total	ug/L	MW-13R	04/02/2024		88.7000	89.3000
Arsenic, total	ug/L	MW-13R	10/10/2024		192.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	04/15/2025		183.0000 *	89.3000
Arsenic, total	ug/L	MW-13R	10/16/2025		209.0000 *	89.3000
Cobalt, total	ug/L	MW-14	10/14/2010		13.3000 *	12.4000
Cobalt, total	ug/L	MW-14	04/08/2011		15.4000 *	12.4000
Cobalt, total	ug/L	MW-14	10/18/2011		18.0000 *	12.4000
Cobalt, total	ug/L	MW-14	04/18/2012		21.9000 *	12.4000
Cobalt, total	ug/L	MW-14	10/17/2012		18.9000 *	12.4000
Cobalt, total	ug/L	MW-14	04/03/2013		26.7000 *	12.4000
Cobalt, total	ug/L	MW-14	10/09/2013		33.6000 *	12.4000
Cobalt, total	ug/L	MW-14	04/16/2014		40.8000 *	12.4000
Cobalt, total	ug/L	MW-14	10/23/2014		25.7000 *	12.4000
Cobalt, total	ug/L	MW-14	04/01/2015		51.2000 *	12.4000
Cobalt, total	ug/L	MW-14	11/05/2015		18.7000 *	12.4000
Cobalt, total	ug/L	MW-14	04/21/2016		1.4000	12.4000
Cobalt, total	ug/L	MW-14	10/17/2016		16.3000 *	12.4000
Cobalt, total	ug/L	MW-14	01/09/2017		4.0000	12.4000
Cobalt, total	ug/L	MW-14	04/21/2017		7.7000	12.4000
Cobalt, total	ug/L	MW-14	10/16/2017		16.0000 *	12.4000
Cobalt, total	ug/L	MW-14	01/12/2018		11.2000	12.4000
Cobalt, total	ug/L	MW-14	04/24/2018		16.9000 *	12.4000
Cobalt, total	ug/L	MW-14	10/25/2018		4.2000	12.4000
Cobalt, total	ug/L	MW-14	04/15/2019		27.3000 *	12.4000
Cobalt, total	ug/L	MW-14	10/07/2019		10.0000	12.4000
Cobalt, total	ug/L	MW-14	04/22/2020		6.9000	12.4000
Cobalt, total	ug/L	MW-14	10/02/2020		11.5000	12.4000
Cobalt, total	ug/L	MW-14	04/08/2021		21.2000 *	12.4000
Cobalt, total	ug/L	MW-14	10/29/2021		14.4000 *	12.4000
Cobalt, total	ug/L	MW-14	04/25/2022		13.1000 *	12.4000
Cobalt, total	ug/L	MW-14	10/17/2022		13.1000 *	12.4000
Cobalt, total	ug/L	MW-14	04/10/2023		14.8000 *	12.4000
Cobalt, total	ug/L	MW-14	10/27/2023		16.4000 *	12.4000
Cobalt, total	ug/L	MW-14	04/02/2024		20.8000 *	12.4000
Cobalt, total	ug/L	MW-14	10/10/2024		9.9000	12.4000
Cobalt, total	ug/L	MW-14	04/15/2025		14.3000 *	12.4000
Cobalt, total	ug/L	MW-14	10/16/2025		10.3000	12.4000
Arsenic, total	ug/L	MW-7	10/14/2010		219.0000 *	89.3000
Arsenic, total	ug/L	MW-7	04/08/2011		251.0000 *	89.3000
Arsenic, total	ug/L	MW-7	10/18/2011		131.0000 *	89.3000
Arsenic, total	ug/L	MW-7	04/18/2012		188.0000 *	89.3000
Arsenic, total	ug/L	MW-7	10/16/2012		139.0000 *	89.3000
Arsenic, total	ug/L	MW-7	04/03/2013		136.0000 *	89.3000
Arsenic, total	ug/L	MW-7	10/09/2013		91.1000 *	89.3000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result		Pred. Limit
Arsenic, total	ug/L	MW-7	04/16/2014		107.0000	*	89.3000
Arsenic, total	ug/L	MW-7	10/23/2014		297.0000	*	89.3000
Arsenic, total	ug/L	MW-7	04/01/2015		112.0000	*	89.3000
Arsenic, total	ug/L	MW-7	11/05/2015		215.0000	*	89.3000
Arsenic, total	ug/L	MW-7	04/21/2016		146.0000	*	89.3000
Arsenic, total	ug/L	MW-7	10/17/2016		165.0000	*	89.3000
Arsenic, total	ug/L	MW-7	04/21/2017		197.0000	*	89.3000
Arsenic, total	ug/L	MW-7	10/16/2017		115.0000	*	89.3000
Arsenic, total	ug/L	MW-7	04/24/2018	ND	4.0000		89.3000
Arsenic, total	ug/L	MW-7	10/25/2018		36.6000		89.3000
Arsenic, total	ug/L	MW-7	04/15/2019		457.0000	*	89.3000
Arsenic, total	ug/L	MW-7	10/07/2019		33.5000		89.3000
Arsenic, total	ug/L	MW-7	04/22/2020		88.8000		89.3000
Arsenic, total	ug/L	MW-7	10/01/2020		306.0000	*	89.3000
Arsenic, total	ug/L	MW-7	04/08/2021		181.0000	*	89.3000
Arsenic, total	ug/L	MW-7	10/29/2021		117.0000	*	89.3000
Arsenic, total	ug/L	MW-7	04/25/2022		104.0000	*	89.3000
Arsenic, total	ug/L	MW-7	10/17/2022		255.0000	*	89.3000
Arsenic, total	ug/L	MW-7	04/10/2023		158.0000	*	89.3000
Arsenic, total	ug/L	MW-7	10/27/2023		275.0000	*	89.3000
Arsenic, total	ug/L	MW-7	04/02/2024		167.0000	*	89.3000
Arsenic, total	ug/L	MW-7	10/10/2024		215.0000	*	89.3000
Arsenic, total	ug/L	MW-7	04/15/2025		608.0000	*	89.3000
Arsenic, total	ug/L	MW-7	10/16/2025		212.0000	*	89.3000

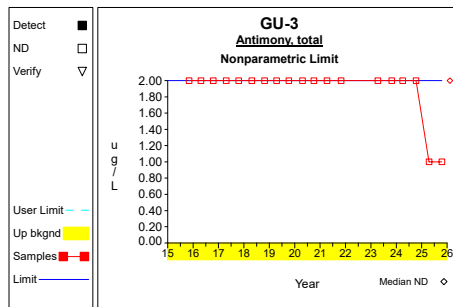
* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

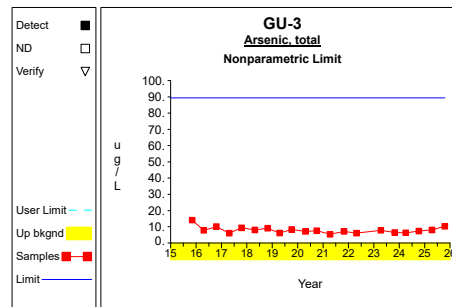
*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

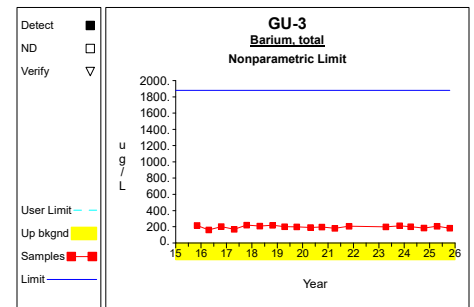
Up vs. Down Prediction Limits



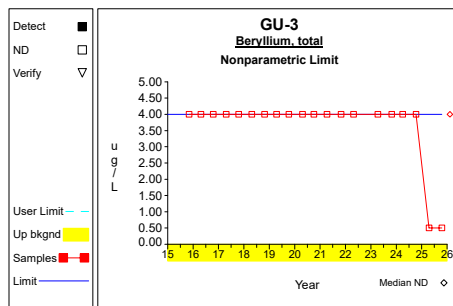
Graph 1



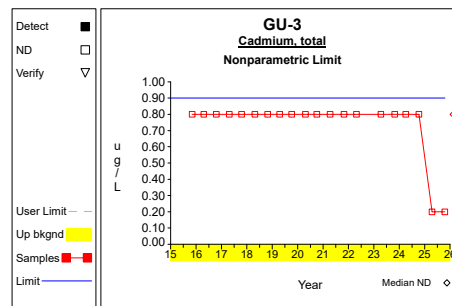
Graph 2



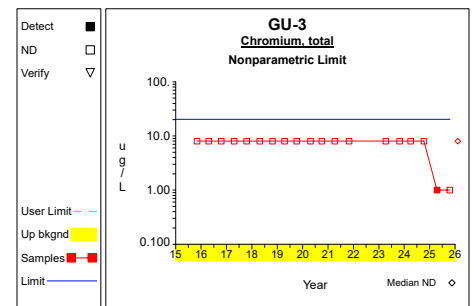
Graph 3



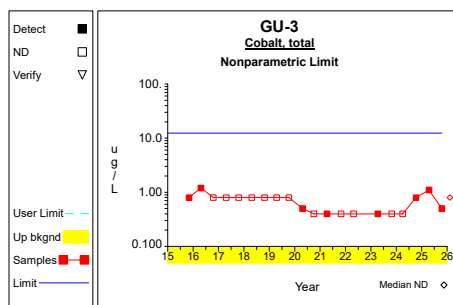
Graph 4



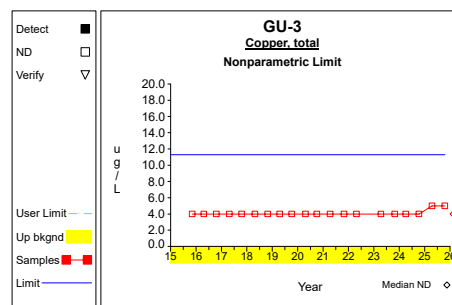
Graph 5



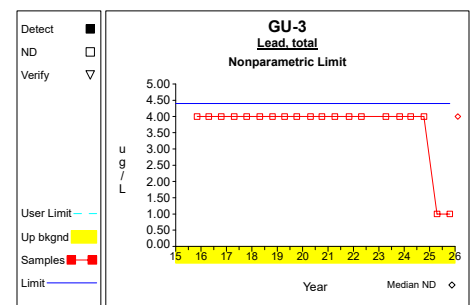
Graph 6



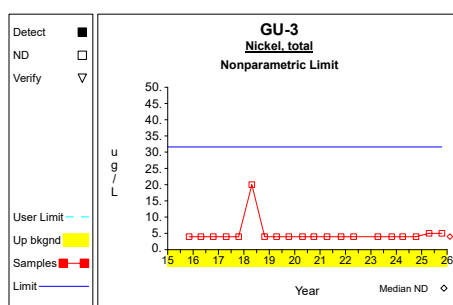
Graph 7



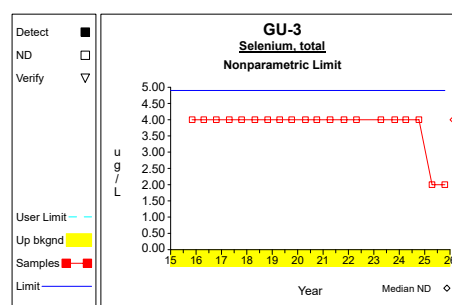
Graph 8



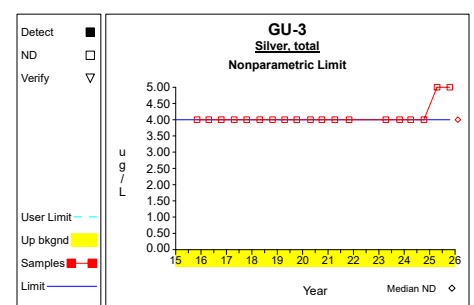
Graph 9



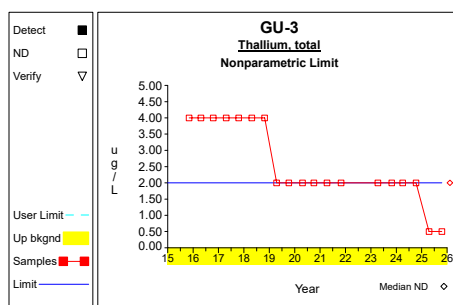
Graph 10



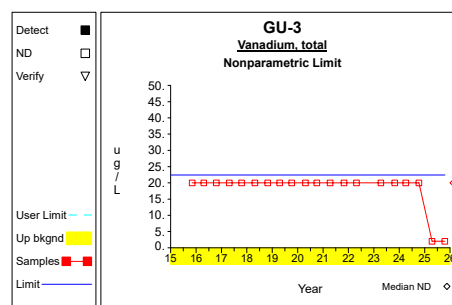
Graph 11



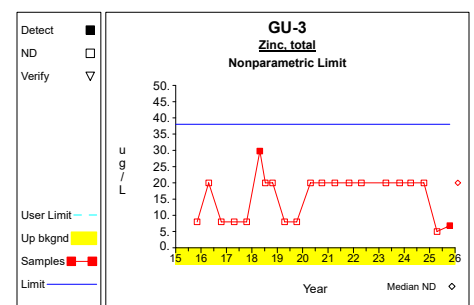
Graph 12



Graph 13

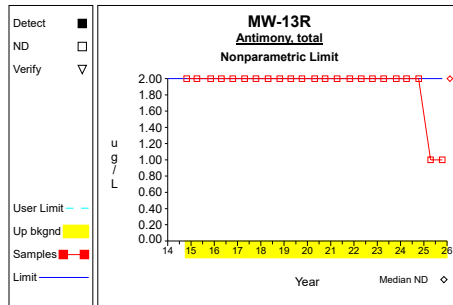


Graph 14

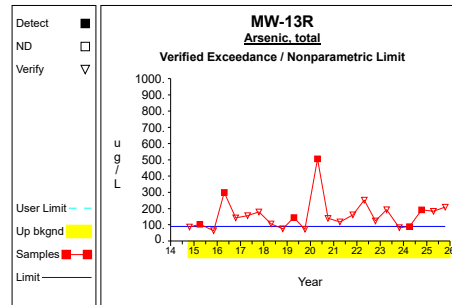


Graph 15

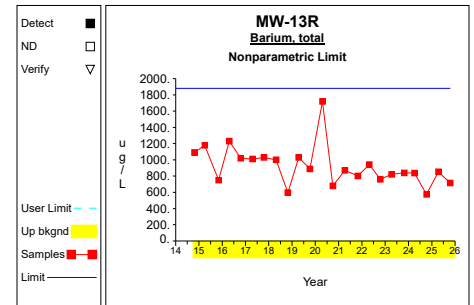
Up vs. Down Prediction Limits



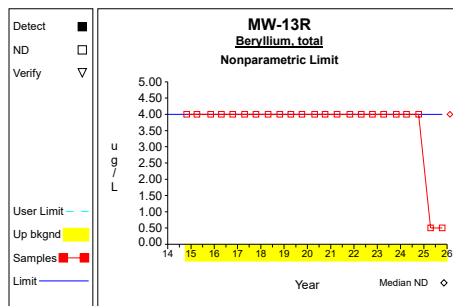
Graph 16



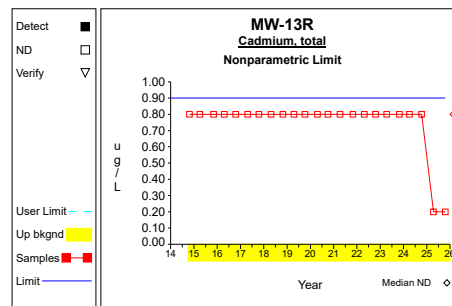
Graph 17



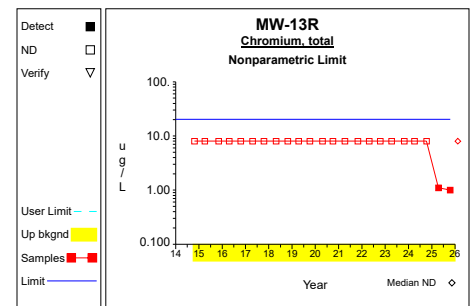
Graph 18



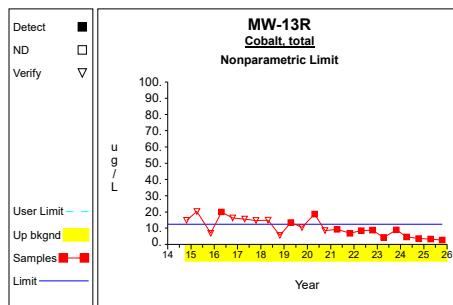
Graph 19



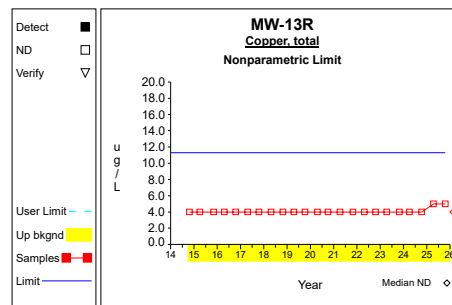
Graph 20



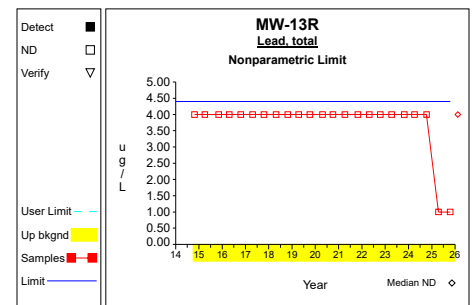
Graph 21



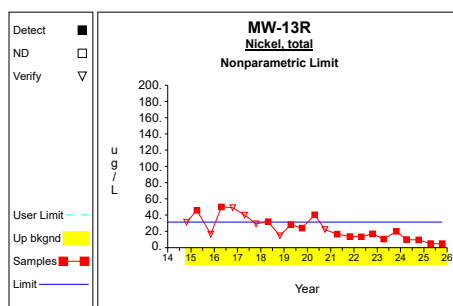
Graph 22



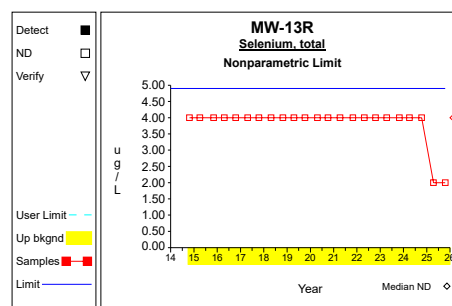
Graph 23



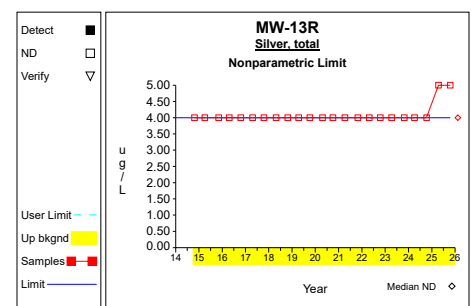
Graph 24



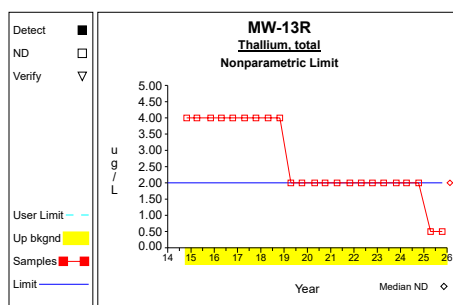
Graph 25



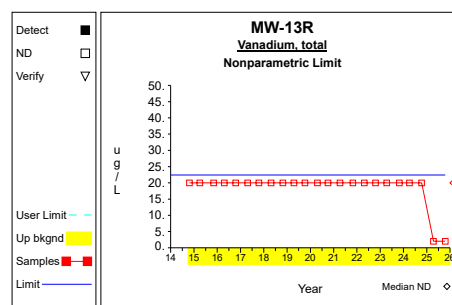
Graph 26



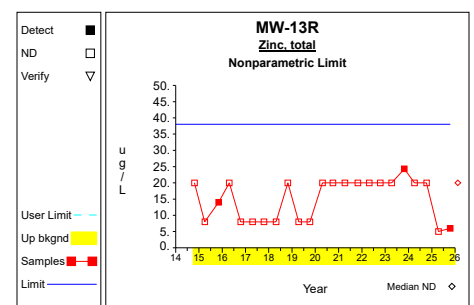
Graph 27



Graph 28

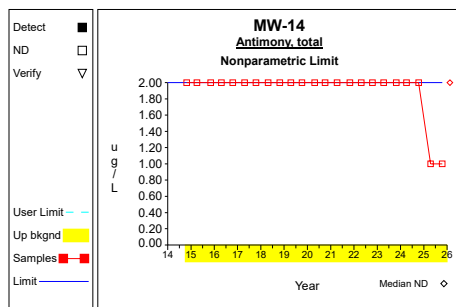


Graph 29

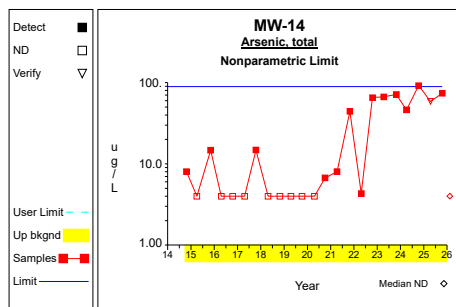


Graph 30

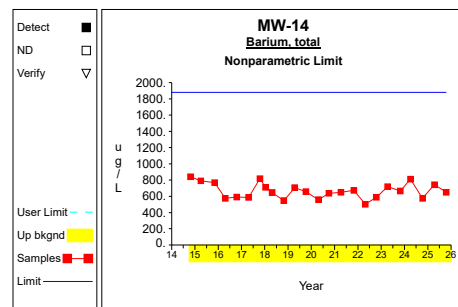
Up vs. Down Prediction Limits



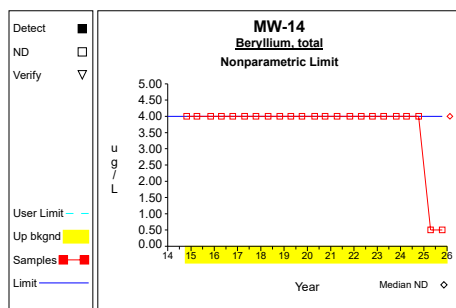
Graph 31



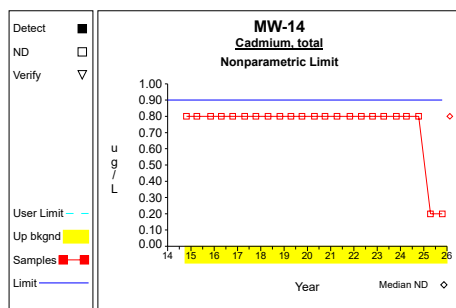
Graph 32



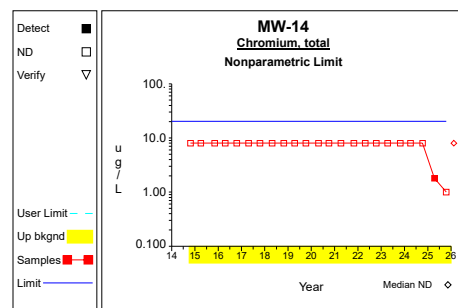
Graph 33



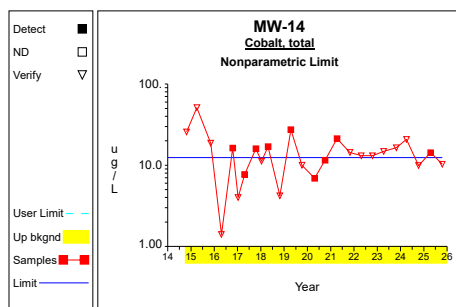
Graph 34



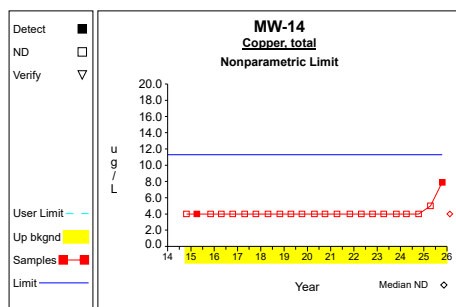
Graph 35



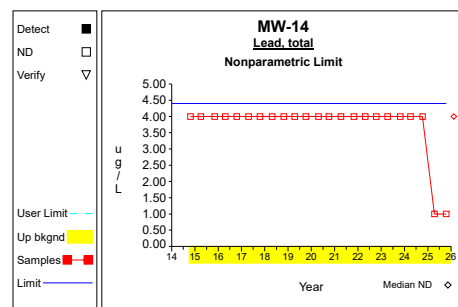
Graph 36



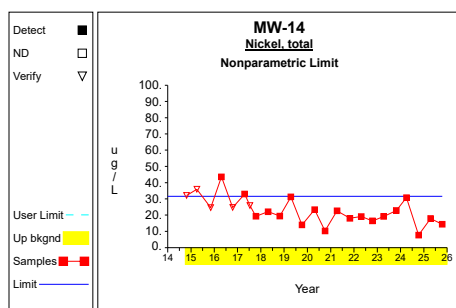
Graph 37



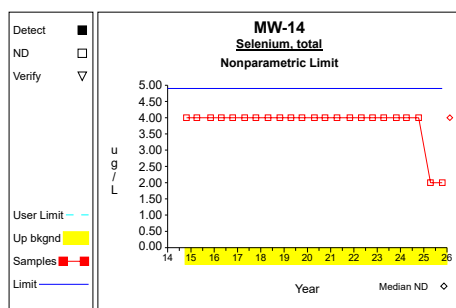
Graph 38



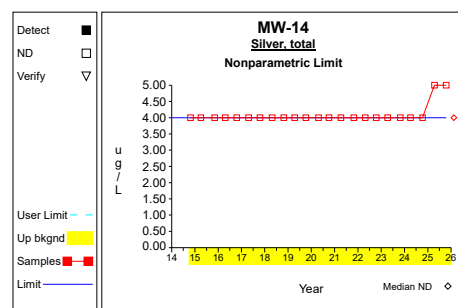
Graph 39



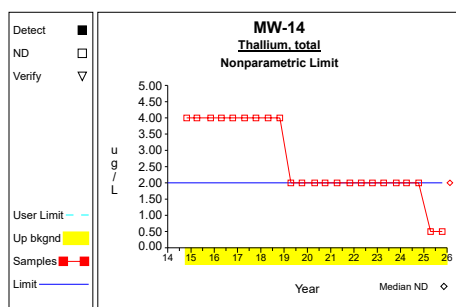
Graph 40



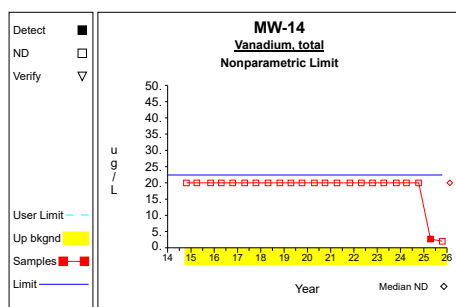
Graph 41



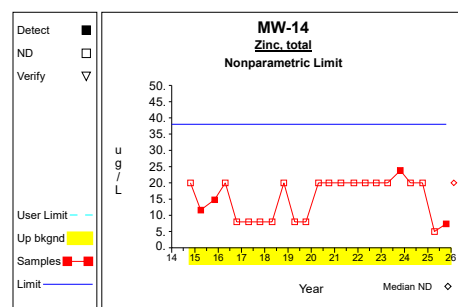
Graph 42



Graph 43

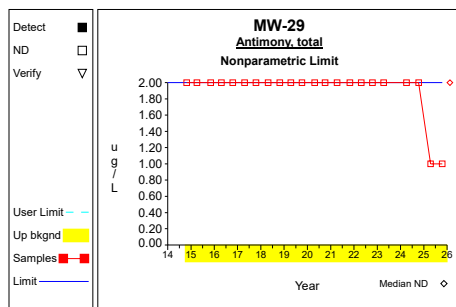


Graph 44

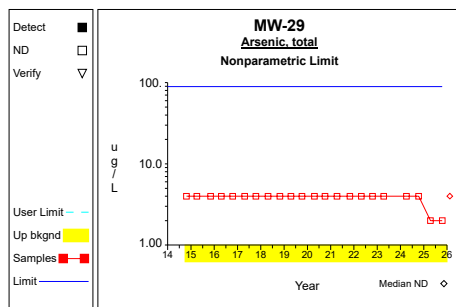


Graph 45

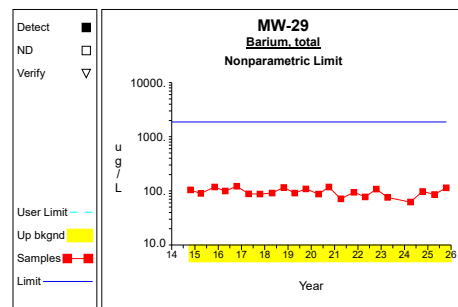
Up vs. Down Prediction Limits



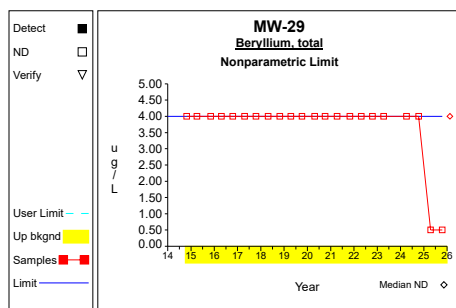
Graph 46



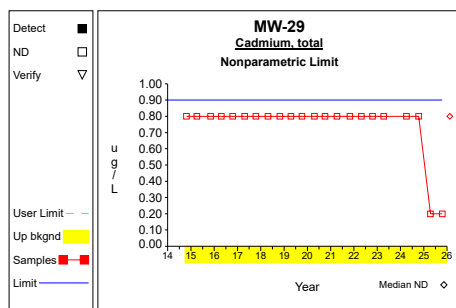
Graph 47



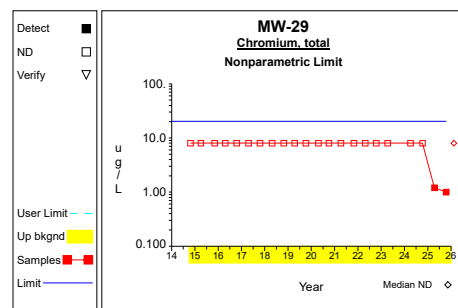
Graph 48



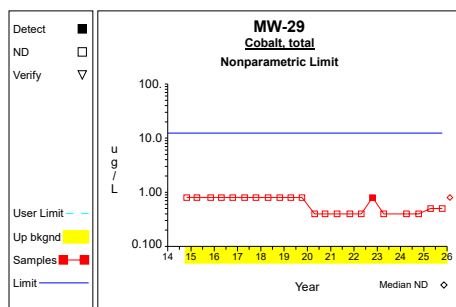
Graph 49



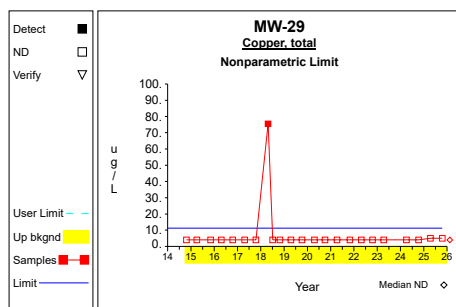
Graph 50



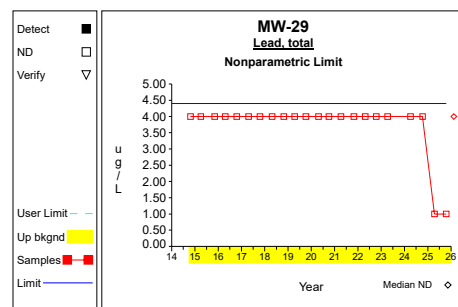
Graph 51



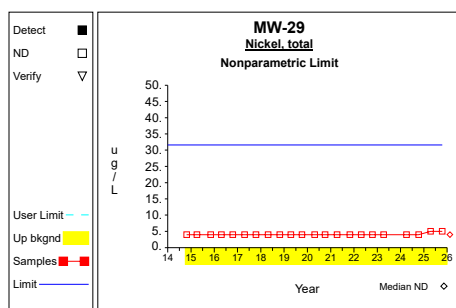
Graph 52



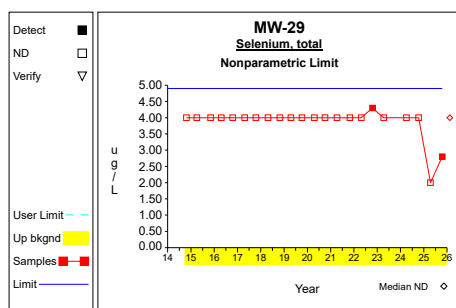
Graph 53



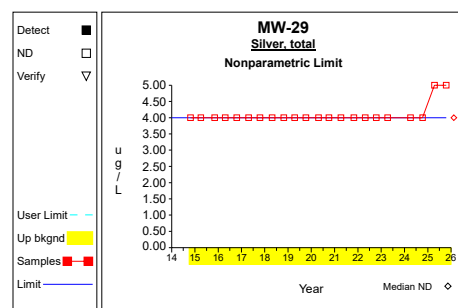
Graph 54



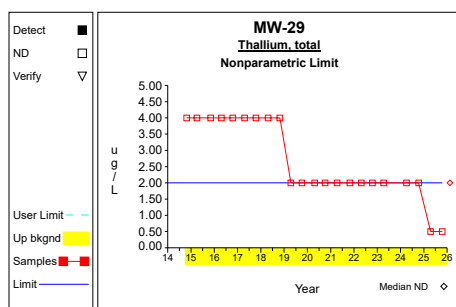
Graph 55



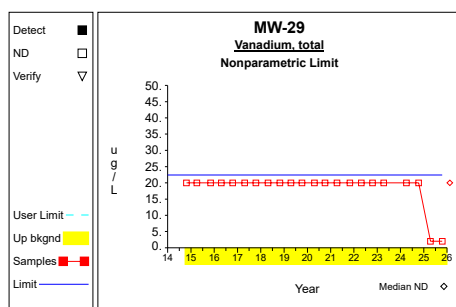
Graph 56



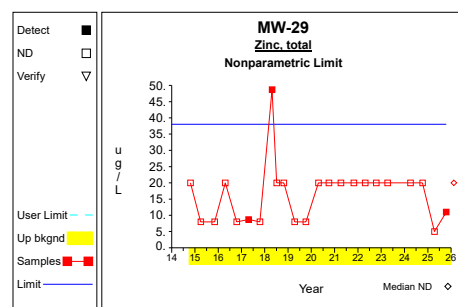
Graph 57



Graph 58

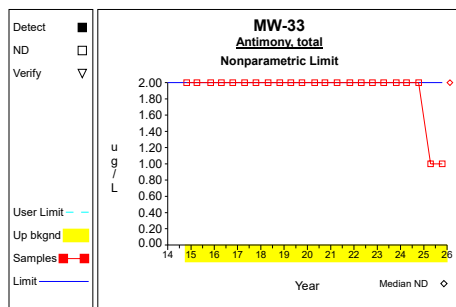


Graph 59

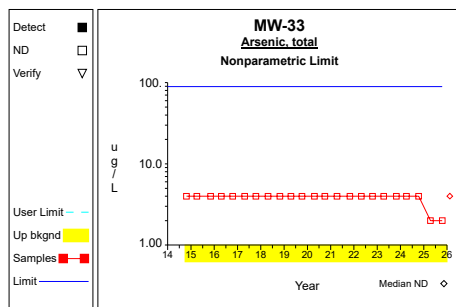


Graph 60

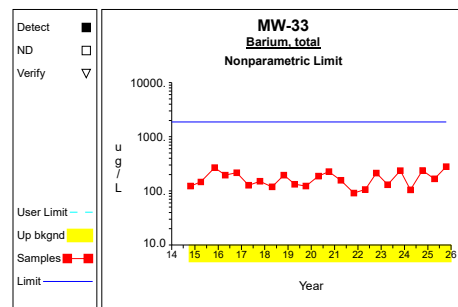
Up vs. Down Prediction Limits



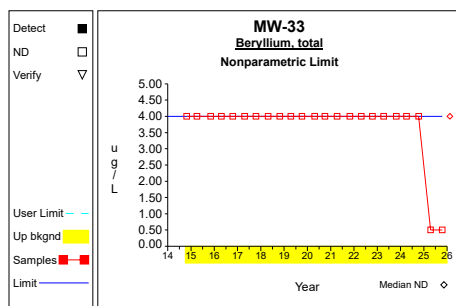
Graph 61



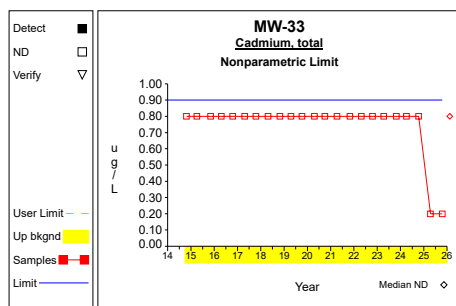
Graph 62



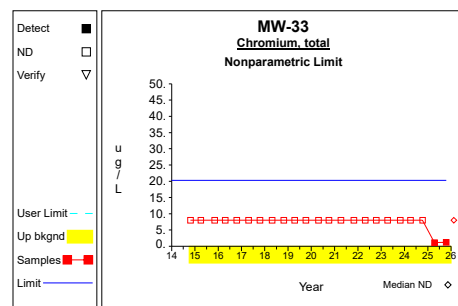
Graph 63



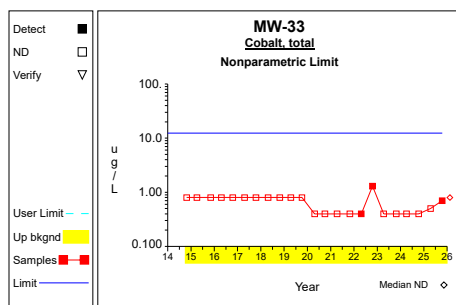
Graph 64



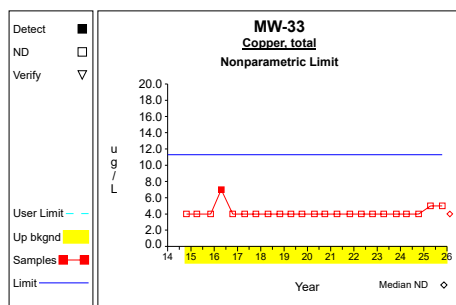
Graph 65



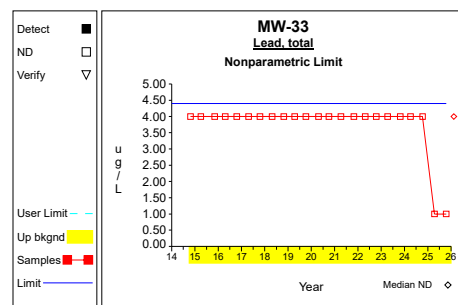
Graph 66



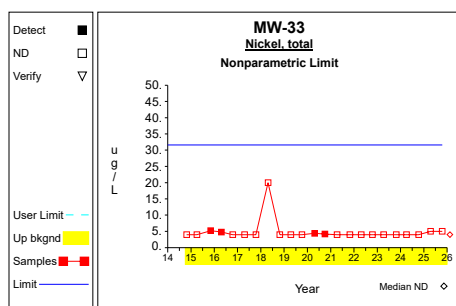
Graph 67



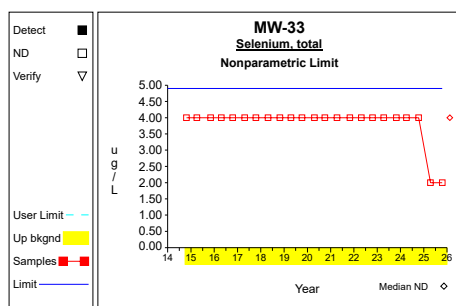
Graph 68



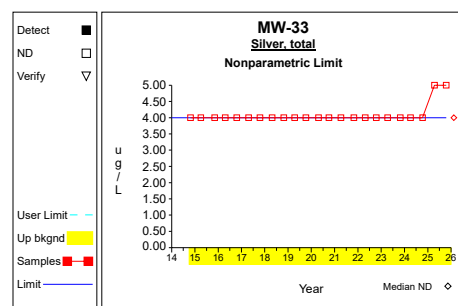
Graph 69



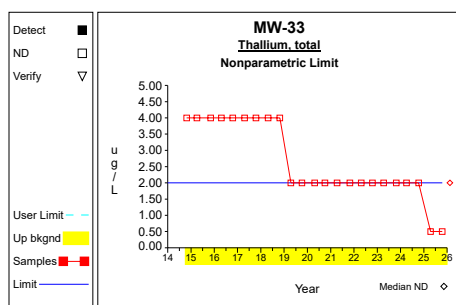
Graph 70



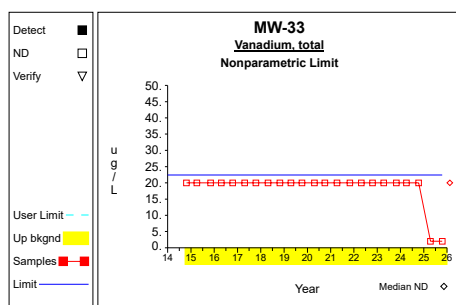
Graph 71



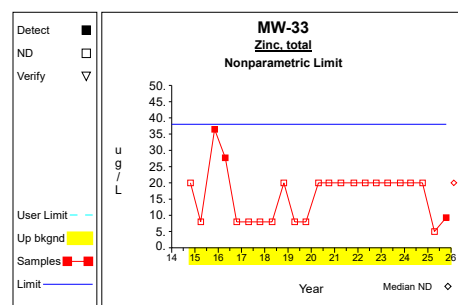
Graph 72



Graph 73

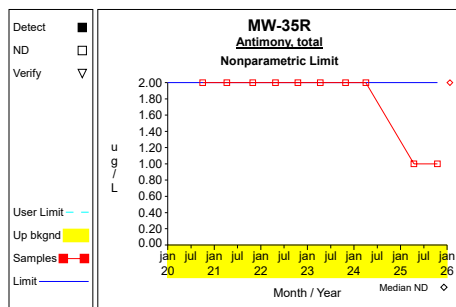


Graph 74

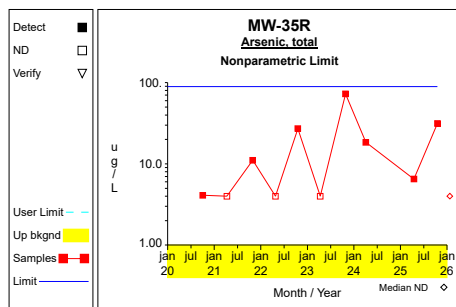


Graph 75

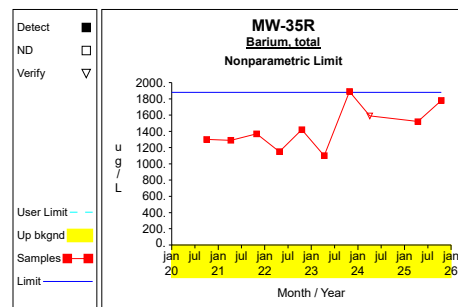
Up vs. Down Prediction Limits



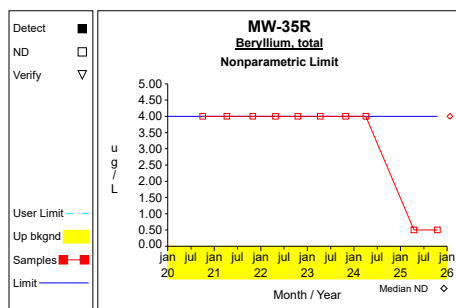
Graph 76



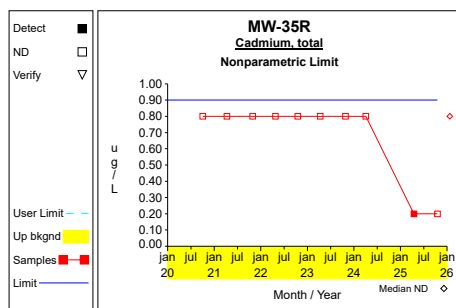
Graph 77



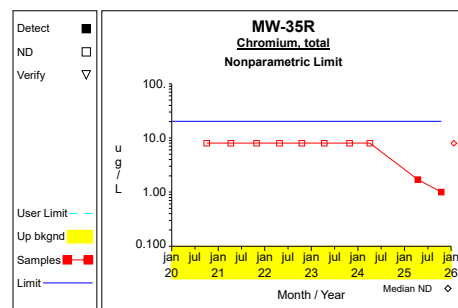
Graph 78



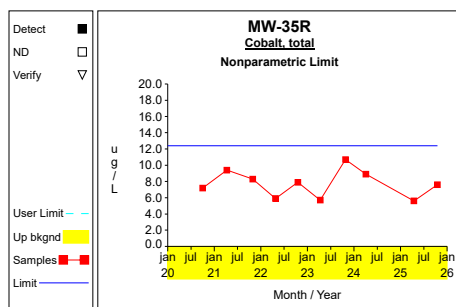
Graph 79



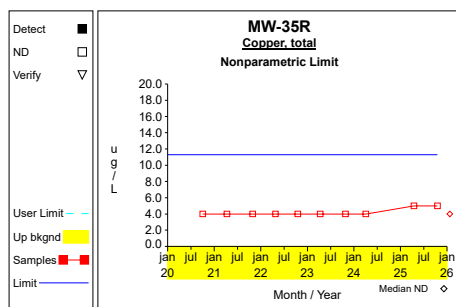
Graph 80



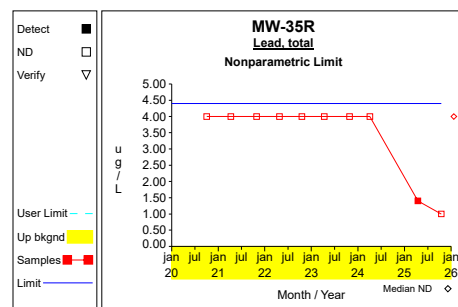
Graph 81



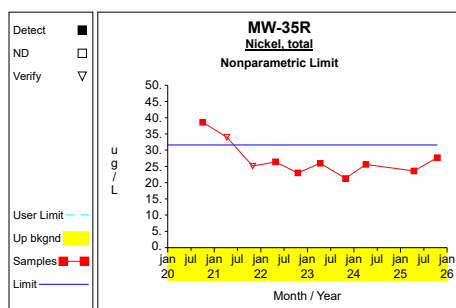
Graph 82



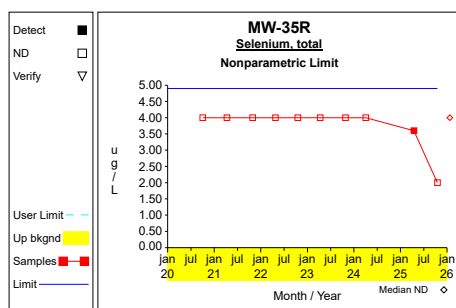
Graph 83



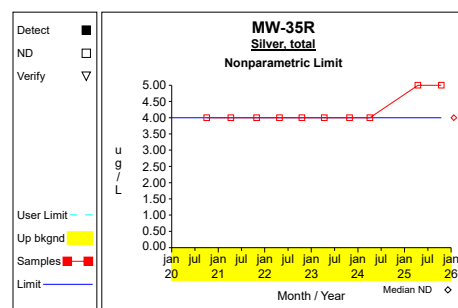
Graph 84



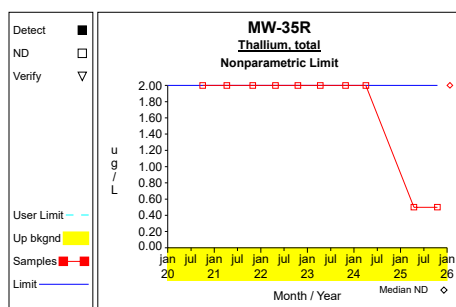
Graph 85



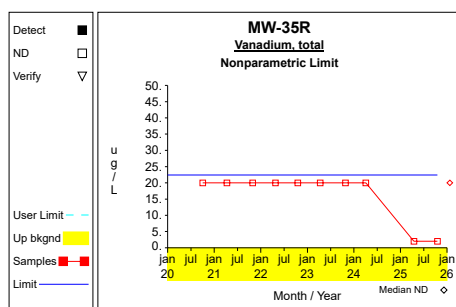
Graph 86



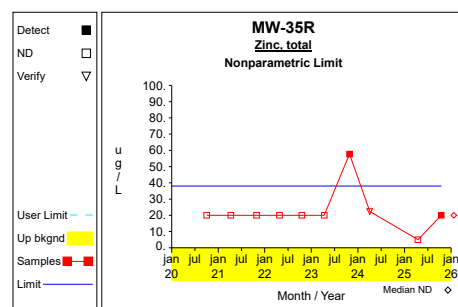
Graph 87



Graph 88

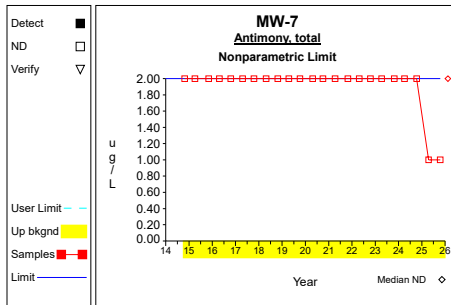


Graph 89

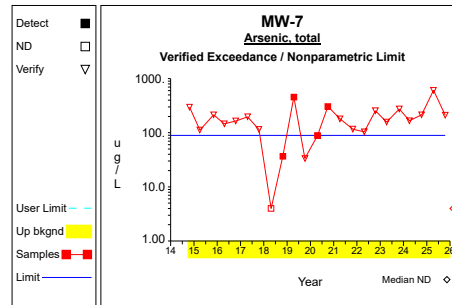


Graph 90

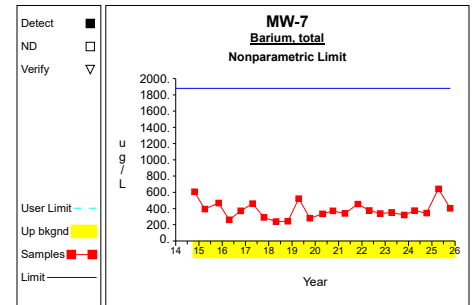
Up vs. Down Prediction Limits



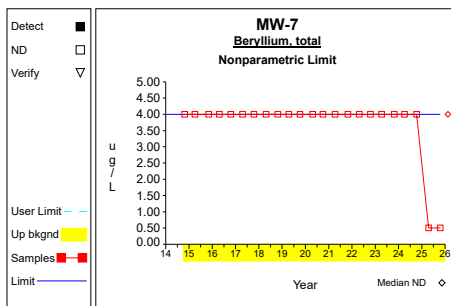
Graph 91



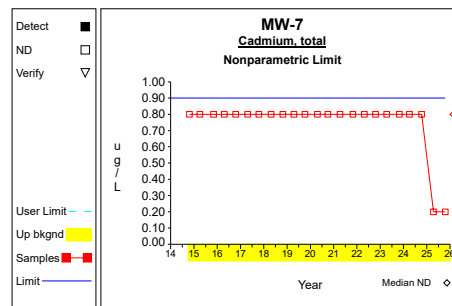
Graph 92



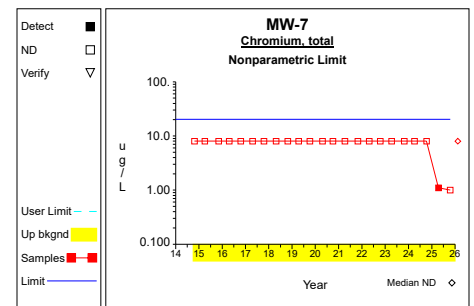
Graph 93



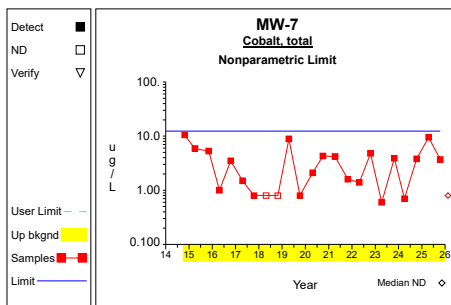
Graph 94



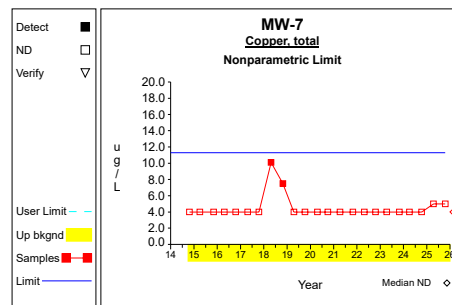
Graph 95



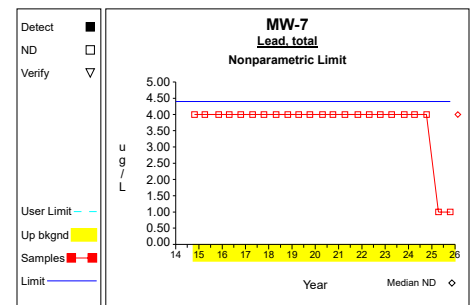
Graph 96



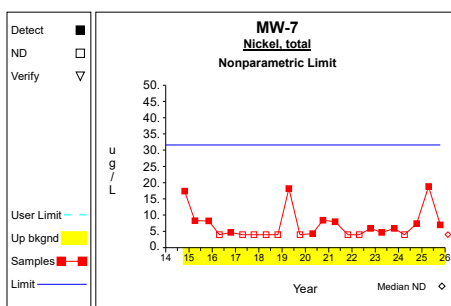
Graph 97



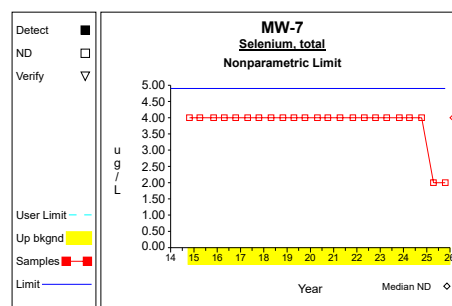
Graph 98



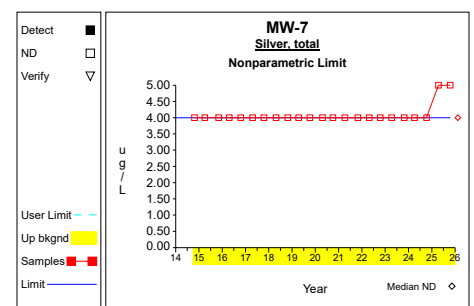
Graph 99



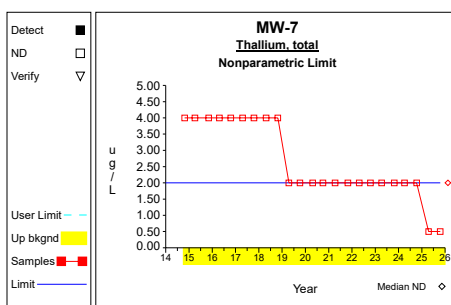
Graph 100



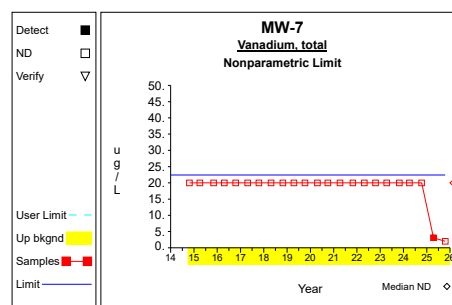
Graph 101



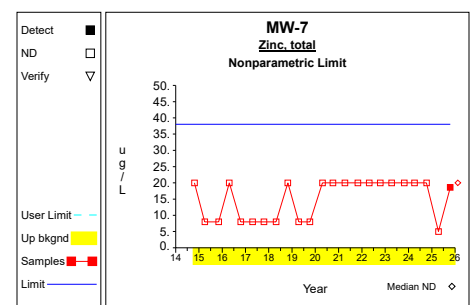
Graph 102



Graph 103

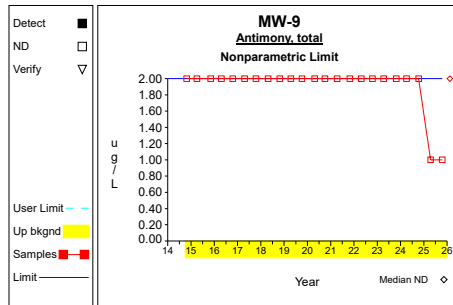


Graph 104

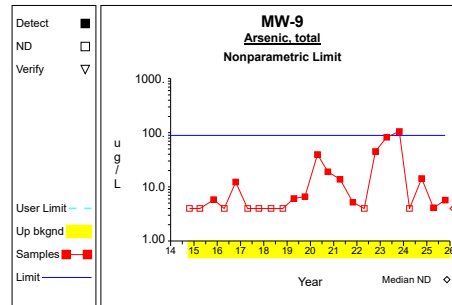


Graph 105

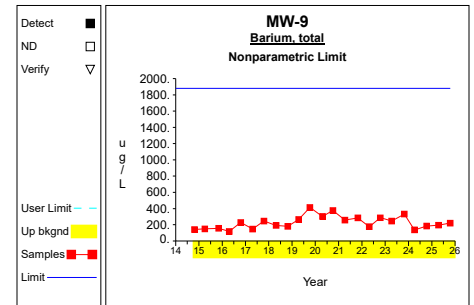
Up vs. Down Prediction Limits



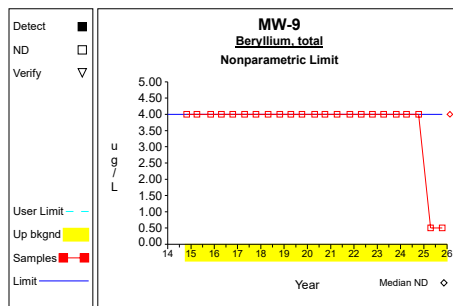
Graph 106



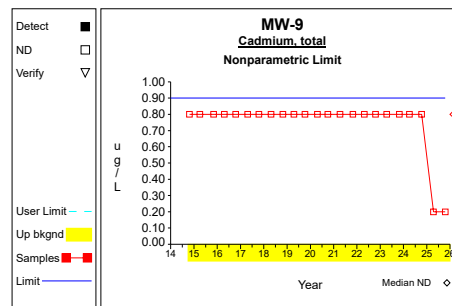
Graph 107



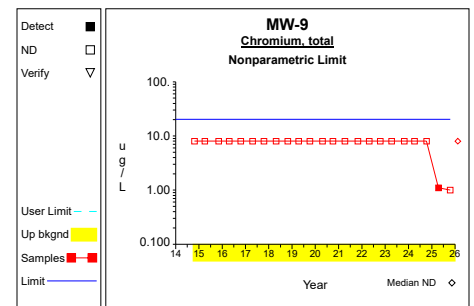
Graph 108



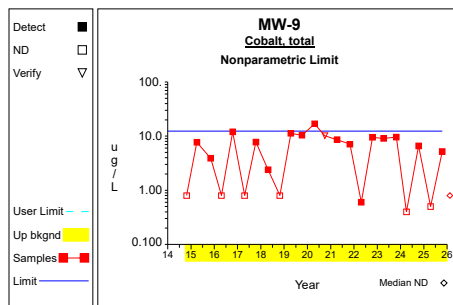
Graph 109



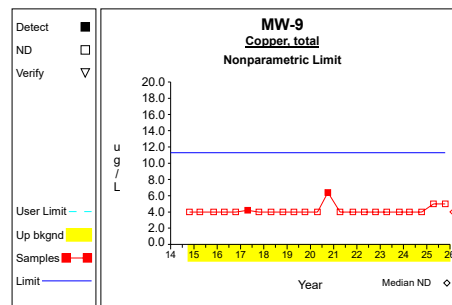
Graph 110



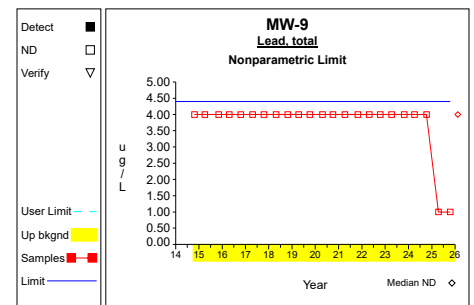
Graph 111



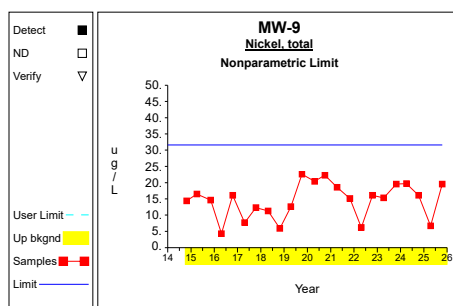
Graph 112



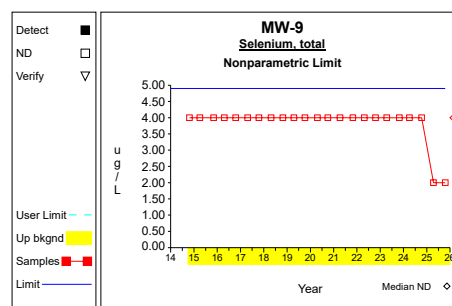
Graph 113



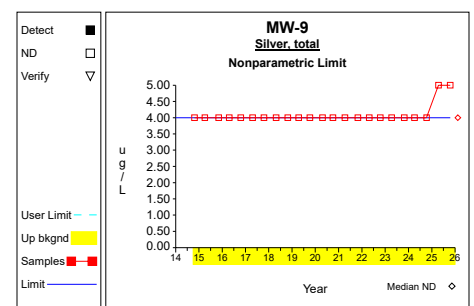
Graph 114



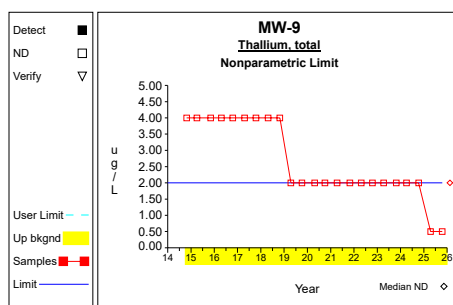
Graph 115



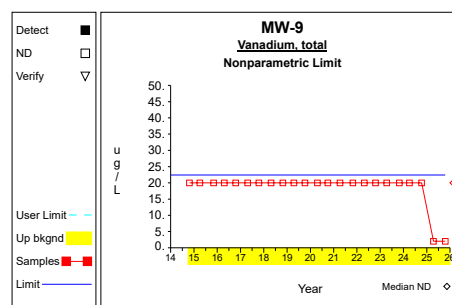
Graph 116



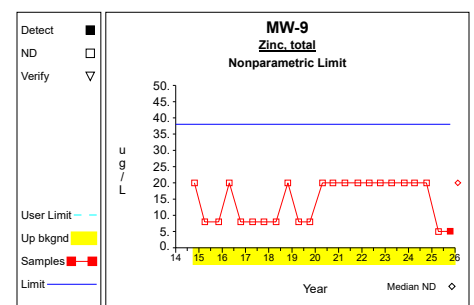
Graph 117



Graph 118

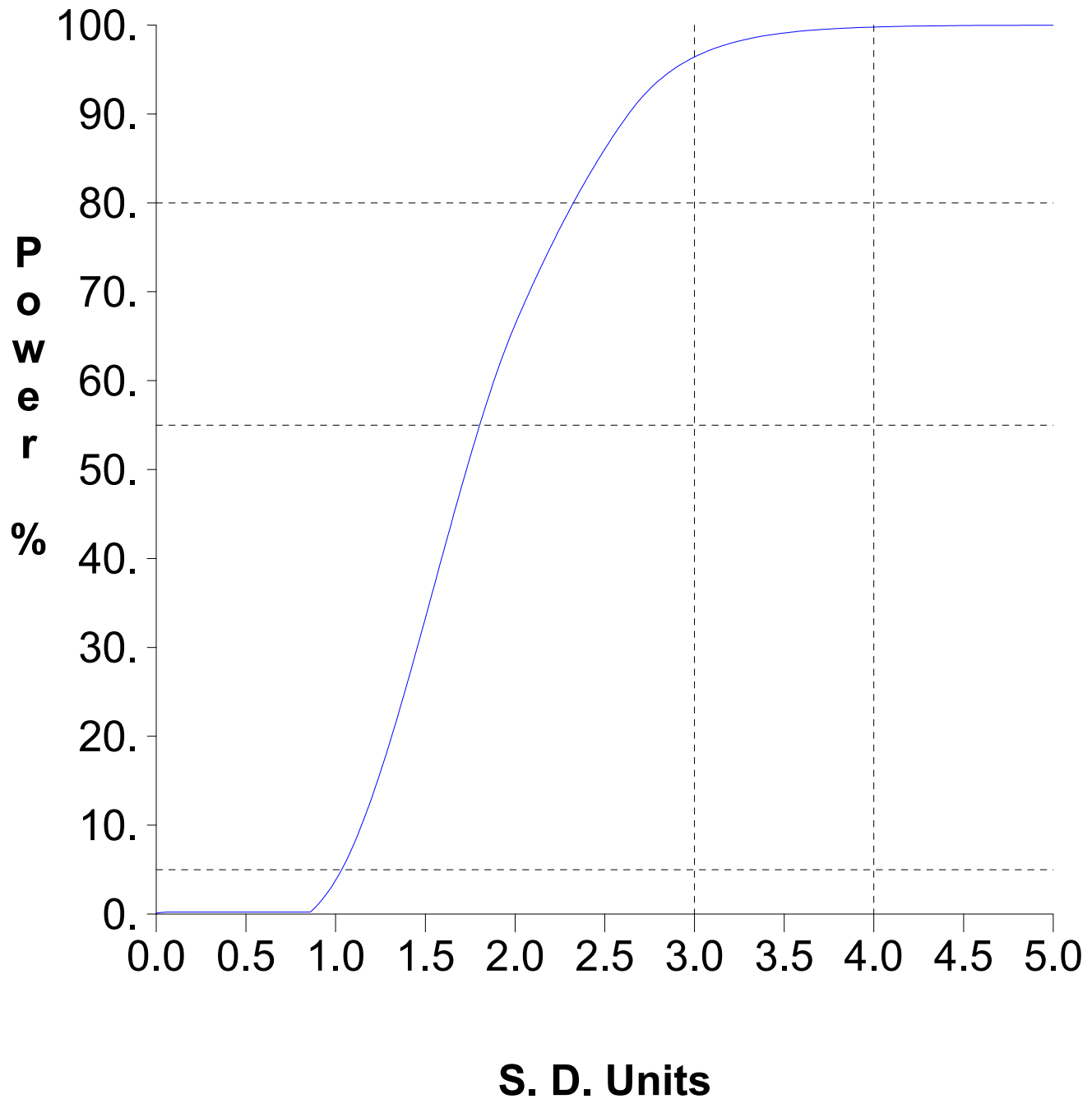


Graph 119



Graph 120

False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program



Attachment C

Assessment Statistics for Trace Metals

Table 1

**Confidence Intervals for Comparing the Mean of the Last
4 Measurements to an Assessment Monitoring Standard**

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Arsenic, total	ug/L	GU-3	4	8.025	1.688	1.176	6.039	10.011	10.000		
Cobalt, total	ug/L	GU-3	4	0.700	0.316	1.176	0.328	1.072	2.100		
Nickel, total	ug/L	GU-3	4	2.000	0.000	1.176	2.000	2.000	100.000		
Arsenic, total	ug/L	MW-13R	4	168.175	54.069	1.176	104.574	231.776	10.000		**
Cobalt, total	ug/L	MW-13R	4	3.550	0.794	1.176	2.616	4.484	2.100	dec	**
Nickel, total	ug/L	MW-13R	4	7.325	2.687	1.176	4.164	10.486	100.000	dec	
Arsenic, total	ug/L	MW-14	4	67.625	19.777	1.176	44.361	90.889	10.000	inc	**
Cobalt, total	ug/L	MW-14	4	13.825	5.057	1.176	7.877	19.773	2.100		**
Nickel, total	ug/L	MW-14	4	17.700	9.705	1.176	6.285	29.115	100.000	dec	
Arsenic, total	ug/L	MW-35R	4	32.225	28.773	1.176	0.000	66.071	10.000		
Cobalt, total	ug/L	MW-35R	4	8.200	2.149	1.176	5.672	10.728	2.100		**
Nickel, total	ug/L	MW-35R	4	24.550	2.738	1.176	21.329	27.771	100.000		
Arsenic, total	ug/L	MW-40	4	2.775	1.084	1.176	1.499	4.051	10.000		
Cobalt, total	ug/L	MW-40	4	3.925	2.642	1.176	0.817	7.033	2.100		
Nickel, total	ug/L	MW-40	4	16.500	0.883	1.176	15.461	17.539	100.000		
Arsenic, total	ug/L	MW-47	4	67.150	19.771	0.906	49.233	85.067	10.000		**
Cobalt, total	ug/L	MW-47	4	1.750	0.681	1.176	0.949	2.551	2.100		
Nickel, total	ug/L	MW-47	4	4.400	2.939	1.176	0.942	7.858	100.000		
Arsenic, total	ug/L	MW-7	4	300.500	206.172	1.176	57.982	543.018	10.000		**
Cobalt, total	ug/L	MW-7	4	4.425	3.676	1.176	0.101	8.749	2.100		
Nickel, total	ug/L	MW-7	4	8.800	7.105	1.176	0.443	17.157	100.000		
Arsenic, total	ug/L	MW-9	4	6.525	5.400	1.176	0.173	12.877	10.000		
Cobalt, total	ug/L	MW-9	4	3.150	3.226	1.176	0.000	6.945	2.100		
Nickel, total	ug/L	MW-9	4	15.525	6.117	1.176	8.330	22.720	100.000		

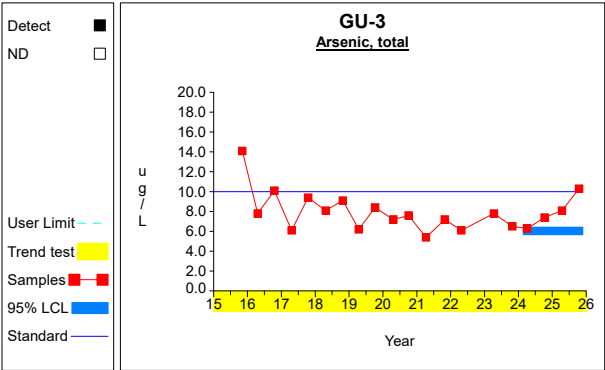
* - Insufficient Data

** - Significant Exceedance

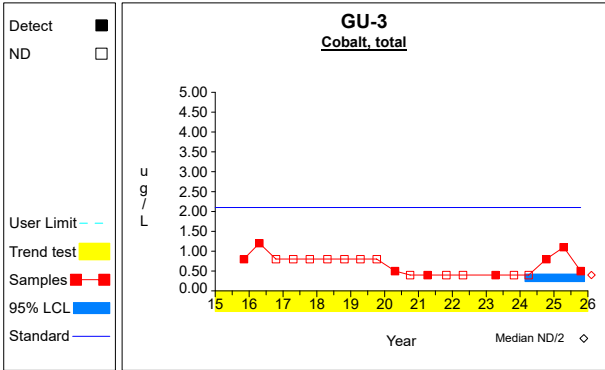
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

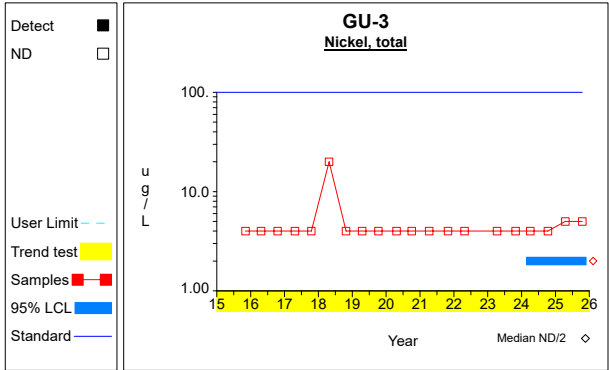
Confidence Limits (Assessment)



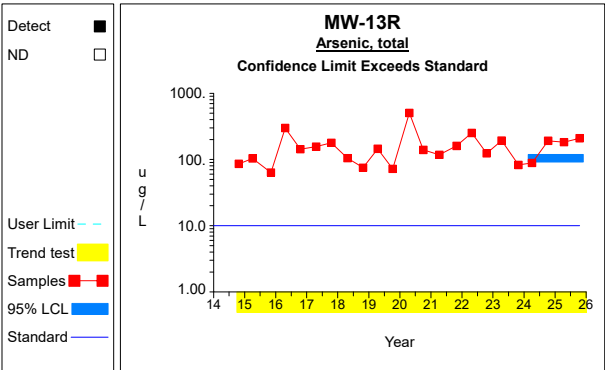
Graph 1



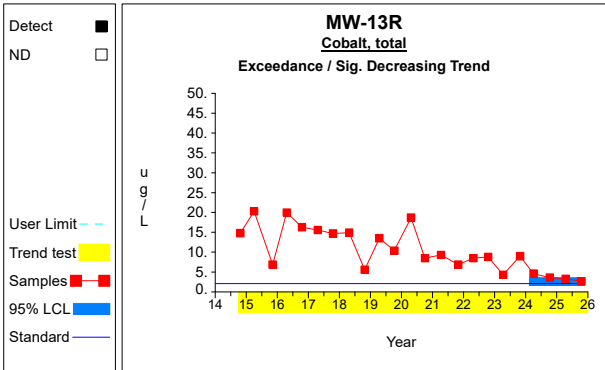
Graph 2



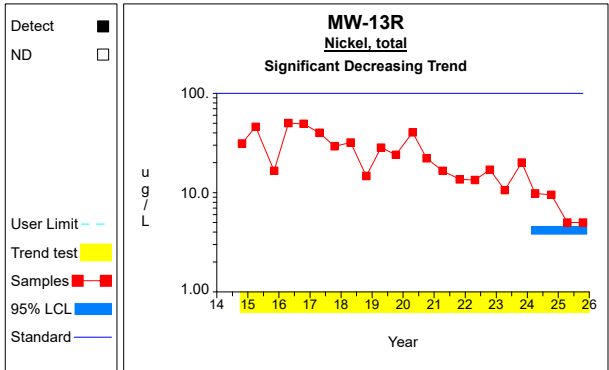
Graph 3



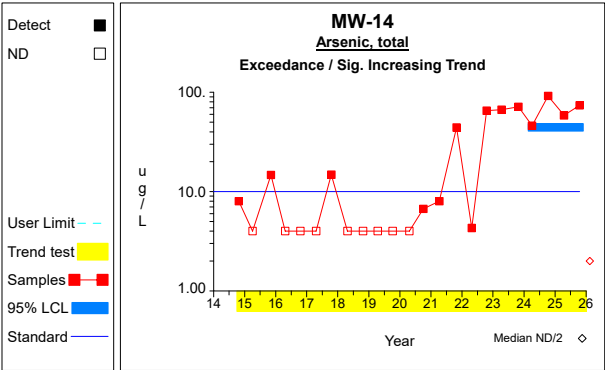
Graph 4



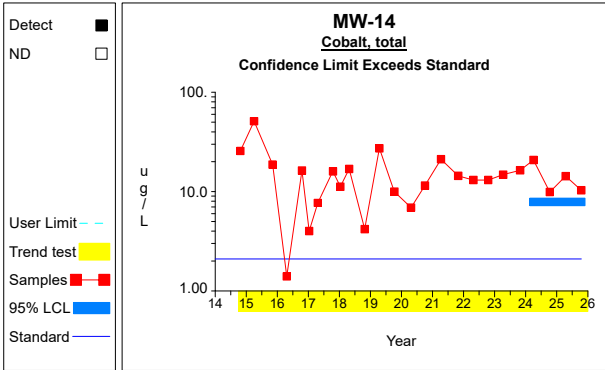
Graph 5



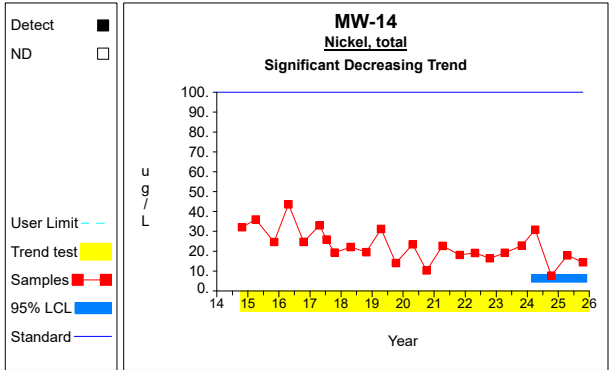
Graph 6



Graph 7

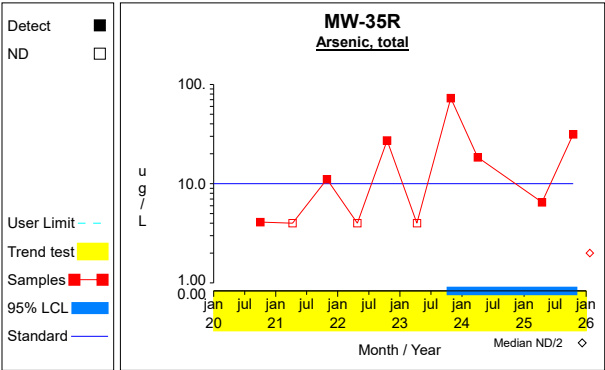


Graph 8

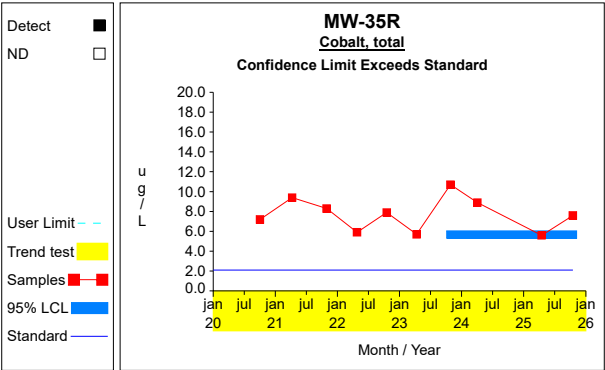


Graph 9

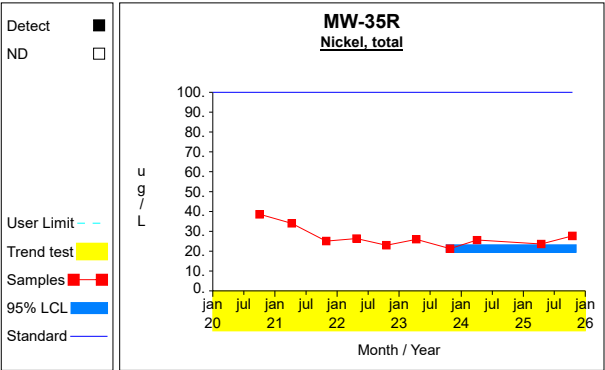
Confidence Limits (Assessment)



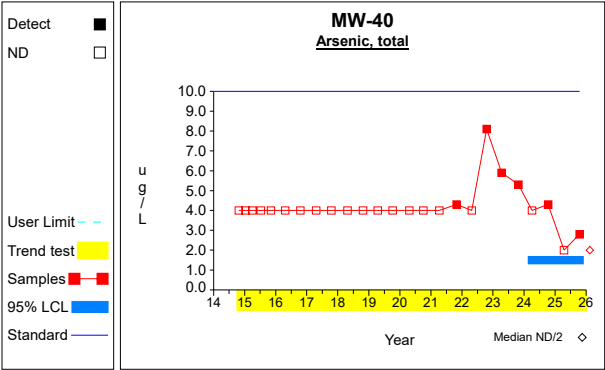
Graph 10



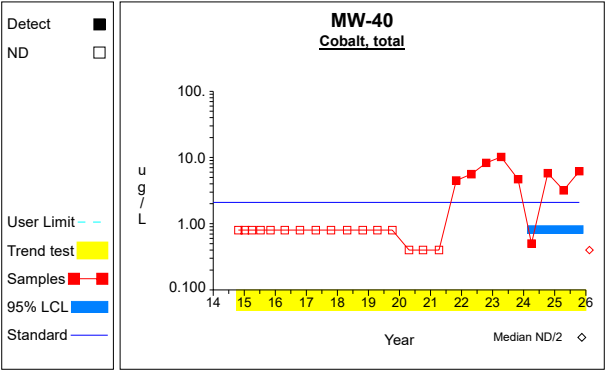
Graph 11



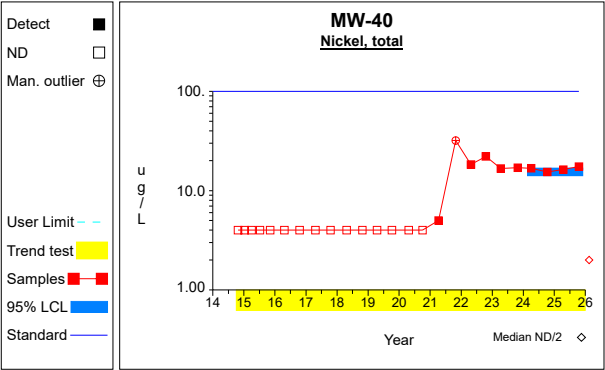
Graph 12



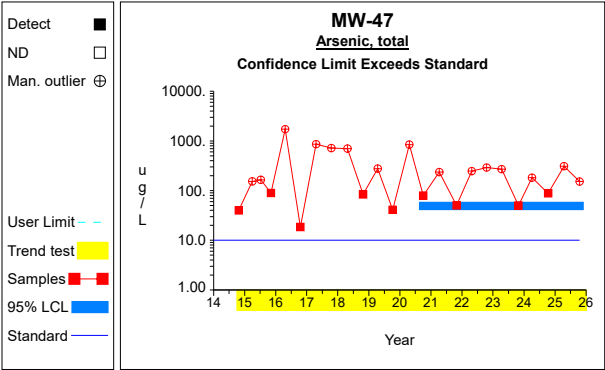
Graph 13



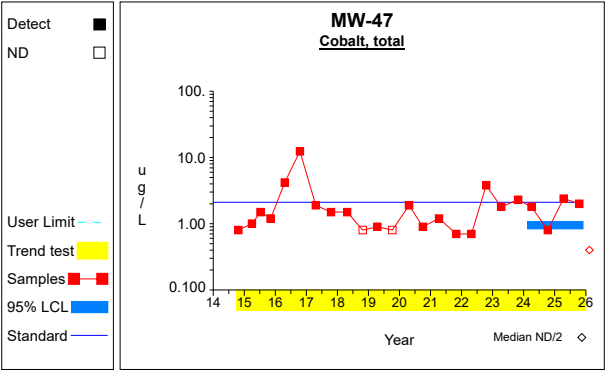
Graph 14



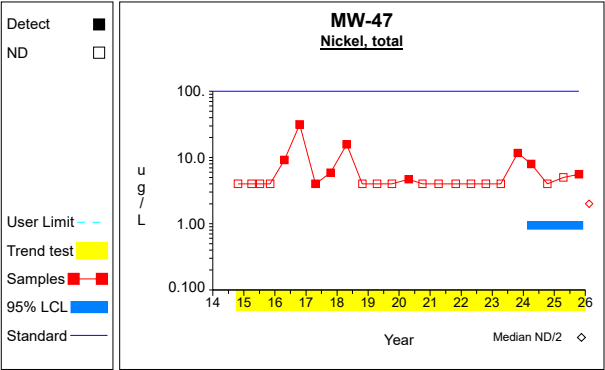
Graph 15



Graph 16

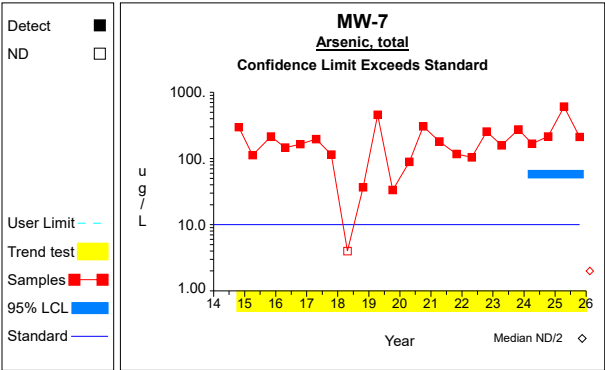


Graph 17

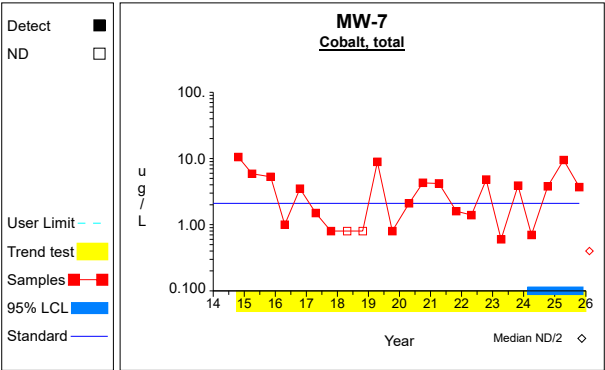


Graph 18

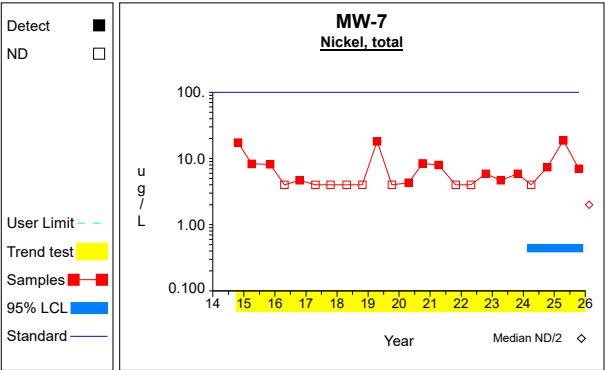
Confidence Limits (Assessment)



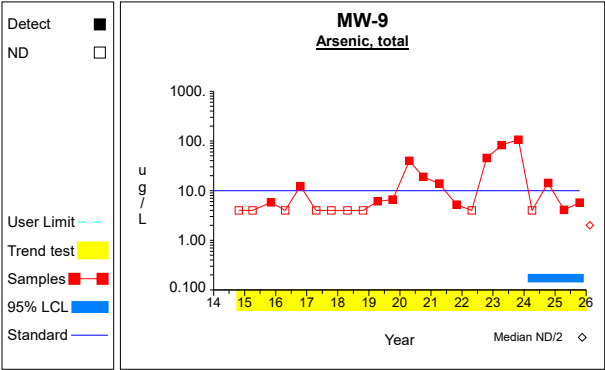
Graph 19



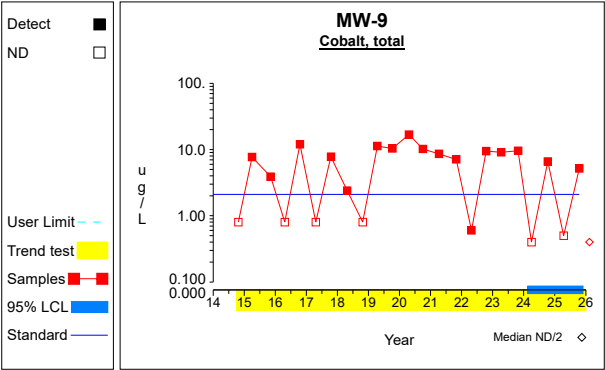
Graph 20



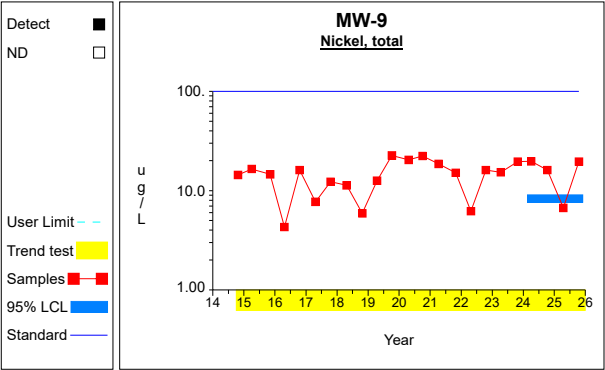
Graph 21



Graph 22



Graph 23



Graph 24

Attachment D

Summary Table of Historical VOC Detections

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Acetone	GU-3	4/08/2021		15.8	10.0	ug/L
(3 + 4)-methylphenol	MW-13R	10/16/2017		12	8	ug/L
1,1-dichloroethane	MW-13R	1/13/2011		1.1	1.0	ug/L
1,1-dichloroethane	MW-13R	4/08/2011		2.2	1.0	ug/L
1,1-dichloroethane	MW-13R	10/18/2011		1.4	1.0	ug/L
1,1-dichloroethane	MW-13R	4/18/2012		1.7	1.0	ug/L
1,1-dichloroethane	MW-13R	10/16/2012		1.2	1.0	ug/L
1,1-dichloroethane	MW-13R	10/09/2013		1.3	1.0	ug/L
1,2-dichloropropane	MW-13R	10/18/2011		1.0	1.0	ug/L
1,2-dichloropropane	MW-13R	4/18/2012		2.0	1.0	ug/L
1,2-dichloropropane	MW-13R	10/16/2012		1.4	1.0	ug/L
1,2-dichloropropane	MW-13R	10/23/2014		1.1	1.0	ug/L
1,2-dichloropropane	MW-13R	11/05/2015		1.1	1.0	ug/L
1,4-dichlorobenzene	MW-13R	11/05/2015		1.1	1.0	ug/L
1,4-dichlorobenzene	MW-13R	4/21/2016		1.1	1.0	ug/L
1,4-dichlorobenzene	MW-13R	10/17/2016		1.3	1.0	ug/L
1,4-dichlorobenzene	MW-13R	4/21/2017		1.2	1.0	ug/L
1,4-dichlorobenzene	MW-13R	10/16/2017		1.2	1.0	ug/L
1,4-dichlorobenzene	MW-13R	4/24/2018		1.1	1.0	ug/L
1,4-dichlorobenzene	MW-13R	10/25/2018		2.0	1.0	ug/L
1,4-dichlorobenzene	MW-13R	4/15/2019		1.2	1.0	ug/L
1,4-dichlorobenzene	MW-13R	4/22/2020		1.1	1.0	ug/L
1,4-dichlorobenzene	MW-13R	10/02/2020		1.3	1.0	ug/L
1,4-dichlorobenzene	MW-13R	4/08/2021		1.0	1.0	ug/L
1,4-dichlorobenzene	MW-13R	10/29/2021		1.4	1.0	ug/L
1,4-dichlorobenzene	MW-13R	4/25/2022		1.2	1.0	ug/L
1,4-dichlorobenzene	MW-13R	10/17/2022		1.4	1.0	ug/L
1,4-dichlorobenzene	MW-13R	4/10/2023		1.6	1.0	ug/L
1,4-dichlorobenzene	MW-13R	10/27/2023		1.0	1.0	ug/L
1,4-dichlorobenzene	MW-13R	4/02/2024		1.1	1.0	ug/L
1,4-dichlorobenzene	MW-13R	10/10/2024		1.8	1.0	ug/L
1,4-dichlorobenzene	MW-13R	4/15/2025		1.2	1.0	ug/L
1,4-dichlorobenzene	MW-13R	10/16/2025		1.6	1.0	ug/L
Acetone	MW-13R	4/16/2014		29.4	10.0	ug/L
Benzene	MW-13R	1/13/2011		1.0	1.0	ug/L
Benzene	MW-13R	4/08/2011		3.0	1.0	ug/L
Benzene	MW-13R	10/18/2011		1.4	1.0	ug/L
Benzene	MW-13R	4/18/2012		4.9	1.0	ug/L
Benzene	MW-13R	10/16/2012		1.8	1.0	ug/L
Benzene	MW-13R	4/03/2013		3.4	1.0	ug/L
Benzene	MW-13R	10/09/2013		3.0	1.0	ug/L
Benzene	MW-13R	4/16/2014		2.2	1.0	ug/L
Benzene	MW-13R	10/23/2014		2.5	1.0	ug/L
Benzene	MW-13R	4/01/2015		6.2	1.0	ug/L
Benzene	MW-13R	11/05/2015		7.2	1.0	ug/L
Benzene	MW-13R	4/21/2016		7.1	1.0	ug/L
Benzene	MW-13R	10/17/2016		7.4	1.0	ug/L
Benzene	MW-13R	4/21/2017		6.0	1.0	ug/L
Benzene	MW-13R	10/16/2017		5.0	1.0	ug/L
Benzene	MW-13R	4/24/2018		5.0	1.0	ug/L
Benzene	MW-13R	10/25/2018		5.0	1.0	ug/L
Benzene	MW-13R	4/15/2019		4.9	1.0	ug/L
Benzene	MW-13R	10/07/2019		2.5	1.0	ug/L
Benzene	MW-13R	4/22/2020		4.6	1.0	ug/L
Benzene	MW-13R	10/02/2020		4.2	1.0	ug/L
Benzene	MW-13R	4/08/2021		3.6	1.0	ug/L
Benzene	MW-13R	10/29/2021		4.0	1.0	ug/L
Benzene	MW-13R	4/25/2022		4.9	1.0	ug/L
Benzene	MW-13R	10/17/2022		2.6	1.0	ug/L
Benzene	MW-13R	4/10/2023		5.1	1.0	ug/L
Benzene	MW-13R	10/27/2023		1.1	1.0	ug/L
Benzene	MW-13R	4/02/2024		2.1	1.0	ug/L
Benzene	MW-13R	10/10/2024		2.8	1.0	ug/L
Benzene	MW-13R	4/15/2025		3.1	1.0	ug/L
Benzene	MW-13R	10/16/2025		4.2	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-13R	10/16/2012		9	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-13R	10/16/2017		16	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-13R	10/17/2022		7	6	ug/L
Chlorobenzene	MW-13R	1/13/2011		3.7	1.0	ug/L
Chlorobenzene	MW-13R	4/08/2011		10.7	1.0	ug/L
Chlorobenzene	MW-13R	10/18/2011		2.8	1.0	ug/L
Chlorobenzene	MW-13R	4/18/2012		17.6	1.0	ug/L
Chlorobenzene	MW-13R	10/16/2012		16.0	1.0	ug/L
Chlorobenzene	MW-13R	4/03/2013		18.6	1.0	ug/L
Chlorobenzene	MW-13R	10/09/2013		24.9	1.0	ug/L
Chlorobenzene	MW-13R	4/16/2014		15.0	1.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chlorobenzene	MW-13R	10/23/2014		14.4	1.0	ug/L
Chlorobenzene	MW-13R	4/01/2015		24.8	1.0	ug/L
Chlorobenzene	MW-13R	11/05/2015		30.3	1.0	ug/L
Chlorobenzene	MW-13R	4/21/2016		23.2	1.0	ug/L
Chlorobenzene	MW-13R	10/17/2016		29.9	1.0	ug/L
Chlorobenzene	MW-13R	4/21/2017		26.4	1.0	ug/L
Chlorobenzene	MW-13R	10/16/2017		27.9	1.0	ug/L
Chlorobenzene	MW-13R	4/24/2018		30.4	1.0	ug/L
Chlorobenzene	MW-13R	10/25/2018		27.8	1.0	ug/L
Chlorobenzene	MW-13R	4/15/2019		29.1	1.0	ug/L
Chlorobenzene	MW-13R	10/07/2019		29.7	1.0	ug/L
Chlorobenzene	MW-13R	4/22/2020		27.7	1.0	ug/L
Chlorobenzene	MW-13R	10/02/2020		35.0	1.0	ug/L
Chlorobenzene	MW-13R	4/08/2021		34.1	1.0	ug/L
Chlorobenzene	MW-13R	10/29/2021		37.6	1.0	ug/L
Chlorobenzene	MW-13R	4/25/2022		37.2	1.0	ug/L
Chlorobenzene	MW-13R	10/17/2022		38.1	1.0	ug/L
Chlorobenzene	MW-13R	4/10/2023		43.9	1.0	ug/L
Chlorobenzene	MW-13R	10/27/2023		26.8	1.0	ug/L
Chlorobenzene	MW-13R	4/02/2024		36.7	1.0	ug/L
Chlorobenzene	MW-13R	10/10/2024		43.4	1.0	ug/L
Chlorobenzene	MW-13R	4/15/2025		34.0	1.0	ug/L
Chlorobenzene	MW-13R	10/16/2025		43.1	1.0	ug/L
Chloroethane	MW-13R	1/13/2011		1	1	ug/L
Chloroethane	MW-13R	10/18/2011		1	1	ug/L
Cis-1,2-dichloroethylene	MW-13R	1/13/2011		3.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	4/08/2011		2.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	10/18/2011		3.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	4/18/2012		1.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	10/16/2012		3.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	4/03/2013		1.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	10/09/2013		1.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	4/16/2014		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	10/23/2014		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	4/01/2015		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	11/05/2015		1.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	10/17/2016		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	10/16/2017		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	10/17/2022		1.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-13R	10/27/2023		1.0	1.0	ug/L
Toluene	MW-13R	1/13/2011		127.0	1.0	ug/L
Toluene	MW-13R	10/16/2012		7.3	1.0	ug/L
Toluene	MW-13R	10/09/2013		7.9	1.0	ug/L
Toluene	MW-13R	4/16/2014		2.3	1.0	ug/L
Toluene	MW-13R	11/05/2015		1.1	1.0	ug/L
Toluene	MW-13R	10/16/2017		1.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-13R	4/08/2011		1.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-13R	4/18/2012		1.7	1.0	ug/L
Trans-1,2-dichloroethylene	MW-13R	10/16/2012		1.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-13R	4/03/2013		1.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-13R	10/09/2013		1.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-13R	4/16/2014		1.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-13R	10/23/2014		1.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-13R	11/05/2015		1.4	1.0	ug/L
Vinyl chloride	MW-13R	1/13/2011		1.2	1.0	ug/L
Vinyl chloride	MW-13R	4/08/2011		1.4	1.0	ug/L
Vinyl chloride	MW-13R	10/18/2011		1.0	1.0	ug/L
Vinyl chloride	MW-13R	10/16/2012		1.1	1.0	ug/L
Vinyl chloride	MW-13R	4/16/2014		2.5	1.0	ug/L
Vinyl chloride	MW-13R	10/23/2014		2.0	1.0	ug/L
Vinyl chloride	MW-13R	4/01/2015		4.8	1.0	ug/L
Vinyl chloride	MW-13R	11/05/2015		1.5	1.0	ug/L
1,1,1-trichloroethane	MW-14	10/05/1993		1.7	1.0	ug/L
1,1,1-trichloroethane	MW-14	1/13/1994		1.7	1.0	ug/L
1,1,1-trichloroethane	MW-14	4/23/1994		1.8	1.0	ug/L
1,1,1-trichloroethane	MW-14	7/13/1994		1.5	1.0	ug/L
1,1,1-trichloroethane	MW-14	4/13/1995		1.3	1.0	ug/L
1,1-dichloroethane	MW-14	10/14/2010		2.7	1.0	ug/L
1,1-dichloroethane	MW-14	4/08/2011		2.8	1.0	ug/L
1,1-dichloroethane	MW-14	10/18/2011		3.2	1.0	ug/L
1,1-dichloroethane	MW-14	4/18/2012		2.2	1.0	ug/L
1,1-dichloroethane	MW-14	10/17/2012		2.5	1.0	ug/L
1,1-dichloroethane	MW-14	4/03/2013		3.0	1.0	ug/L
1,1-dichloroethane	MW-14	10/09/2013		2.5	1.0	ug/L
1,1-dichloroethane	MW-14	4/16/2014		2.7	1.0	ug/L
1,1-dichloroethane	MW-14	10/23/2014		1.5	1.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-dichloroethane	MW-14	4/01/2015		1.8	1.0	ug/L
1,1-dichloroethane	MW-14	11/05/2015		2.3	1.0	ug/L
1,1-dichloroethane	MW-14	4/21/2016		1.3	1.0	ug/L
1,1-dichloroethane	MW-14	10/17/2016		2.5	1.0	ug/L
1,1-dichloroethane	MW-14	10/02/2020		3.9	1.0	ug/L
1,1-dichloroethane	MW-14	4/08/2021		2.4	1.0	ug/L
1,1-dichloroethane	MW-14	10/29/2021		1.8	1.0	ug/L
1,4-dichlorobenzene	MW-14	4/23/1994		1.1	1.0	ug/L
1,4-dichlorobenzene	MW-14	10/18/2011		1.0	1.0	ug/L
1,4-dichlorobenzene	MW-14	10/17/2012		1.2	1.0	ug/L
1,4-dichlorobenzene	MW-14	4/03/2013		1.4	1.0	ug/L
1,4-dichlorobenzene	MW-14	10/09/2013		1.8	1.0	ug/L
1,4-dichlorobenzene	MW-14	4/16/2014		2.2	1.0	ug/L
1,4-dichlorobenzene	MW-14	10/23/2014		2.6	1.0	ug/L
1,4-dichlorobenzene	MW-14	4/01/2015		1.0	1.0	ug/L
1,4-dichlorobenzene	MW-14	11/05/2015		2.1	1.0	ug/L
1,4-dichlorobenzene	MW-14	10/17/2016		1.0	1.0	ug/L
1,4-dichlorobenzene	MW-14	10/16/2017		1.6	1.0	ug/L
1,4-dichlorobenzene	MW-14	10/02/2020		1.8	1.0	ug/L
1,4-dichlorobenzene	MW-14	4/08/2021		1.9	1.0	ug/L
1,4-dichlorobenzene	MW-14	10/29/2021		3.2	1.0	ug/L
1,4-dichlorobenzene	MW-14	4/25/2022		1.7	1.0	ug/L
1,4-dichlorobenzene	MW-14	10/17/2022		2.4	1.0	ug/L
1,4-dichlorobenzene	MW-14	4/10/2023		1.8	1.0	ug/L
1,4-dichlorobenzene	MW-14	10/27/2023		2.4	1.0	ug/L
1,4-dichlorobenzene	MW-14	4/02/2024		3.6	1.0	ug/L
1,4-dichlorobenzene	MW-14	10/10/2024		3.3	1.0	ug/L
1,4-dichlorobenzene	MW-14	10/16/2025		2.4	1.0	ug/L
Benzene	MW-14	10/18/2011		1.5	1.0	ug/L
Benzene	MW-14	4/18/2012		1.6	1.0	ug/L
Benzene	MW-14	10/17/2012		1.0	1.0	ug/L
Benzene	MW-14	4/03/2013		1.3	1.0	ug/L
Benzene	MW-14	10/09/2013		1.7	1.0	ug/L
Benzene	MW-14	4/16/2014		1.6	1.0	ug/L
Benzene	MW-14	10/23/2014		1.0	1.0	ug/L
Benzene	MW-14	10/16/2017		2.5	1.0	ug/L
Benzene	MW-14	4/15/2019		1.9	1.0	ug/L
Benzene	MW-14	10/29/2021		2.0	1.0	ug/L
Benzene	MW-14	10/17/2022		1.4	1.0	ug/L
Benzene	MW-14	4/10/2023		1.1	1.0	ug/L
Benzene	MW-14	10/27/2023		1.2	1.0	ug/L
Benzene	MW-14	4/02/2024		2.6	1.0	ug/L
Benzene	MW-14	10/10/2024		1.6	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-14	10/16/2017		18	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-14	10/17/2022		11	6	ug/L
Chlorobenzene	MW-14	10/25/2018		1.3	1.0	ug/L
Chlorobenzene	MW-14	4/02/2024		1.2	1.0	ug/L
Chlorobenzene	MW-14	10/10/2024		1.0	1.0	ug/L
Chloroethane	MW-14	10/14/2010		1.4	1.0	ug/L
Chloroethane	MW-14	4/08/2011		1.1	1.0	ug/L
Chloroethane	MW-14	10/18/2011		2.2	1.0	ug/L
Chloroethane	MW-14	4/18/2012		2.0	1.0	ug/L
Chloroethane	MW-14	10/17/2012		2.0	1.0	ug/L
Chloroethane	MW-14	4/03/2013		2.8	1.0	ug/L
Chloroethane	MW-14	10/09/2013		2.8	1.0	ug/L
Chloroethane	MW-14	4/16/2014		3.6	1.0	ug/L
Chloroethane	MW-14	10/23/2014		2.5	1.0	ug/L
Chloroethane	MW-14	11/05/2015		1.4	1.0	ug/L
Chloroethane	MW-14	4/15/2019		1.0	1.0	ug/L
Chloroethane	MW-14	10/07/2019		1.0	1.0	ug/L
Chloroethane	MW-14	10/02/2020		2.7	1.0	ug/L
Chloroethane	MW-14	4/08/2021		1.0	1.0	ug/L
Chloroethane	MW-14	10/29/2021		2.4	1.0	ug/L
Chloroethane	MW-14	10/17/2022		1.3	1.0	ug/L
Chloroethane	MW-14	4/10/2023		1.2	1.0	ug/L
Chloroethane	MW-14	10/27/2023		1.8	1.0	ug/L
Chloroethane	MW-14	4/02/2024		1.9	1.0	ug/L
Chloroethane	MW-14	4/15/2025		1.2	1.0	ug/L
Chloroethane	MW-14	10/16/2025		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/13/1995		13.8	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/04/1995		14.5	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/28/1998		19.2	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/29/1998		29.1	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/07/1999		13.5	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/15/1999		28.0	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/26/2000		94.0	2.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Cis-1,2-dichloroethylene	MW-14	4/19/2001		98.5	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/18/2001		89.0	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/04/2002		51.5	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/18/2002		49.9	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/09/2003		65.4	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/13/2004		46.9	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/18/2004		46.2	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/15/2005		25.6	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/10/2005		32.9	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/11/2006		21.1	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/12/2006		13.9	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/03/2007		3.0	2.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/09/2008		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/01/2008		5.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/07/2009		15.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/14/2010		2.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/08/2011		4.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/18/2011		3.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/18/2012		2.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/17/2012		3.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/03/2013		3.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/09/2013		2.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	4/16/2014		2.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/23/2014		1.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	11/05/2015		1.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-14	10/17/2016		1.8	1.0	ug/L
Ethylbenzene	MW-14	4/15/2019		1.1	1.0	ug/L
Trichloroethylene	MW-14	10/05/1993		1.3	1.0	ug/L
Trichloroethylene	MW-14	1/13/1994		1.8	1.0	ug/L
Trichloroethylene	MW-14	4/23/1994		3.4	1.0	ug/L
Trichloroethylene	MW-14	7/13/1994		2.6	1.0	ug/L
Trichloroethylene	MW-14	10/04/1995		4.0	1.0	ug/L
Trichloroethylene	MW-14	4/28/1998		2.4	1.0	ug/L
Trichloroethylene	MW-14	10/15/1999		1.7	1.0	ug/L
Trichloroethylene	MW-14	10/26/2000		1.2	1.0	ug/L
Trichloroethylene	MW-14	4/13/2004		.3	.3	ug/L
Vinyl chloride	MW-14	4/13/1995		1.0	.2	ug/L
Vinyl chloride	MW-14	4/19/2001		2.9	2.0	ug/L
Vinyl chloride	MW-14	10/18/2001		1.5	1.0	ug/L
Vinyl chloride	MW-14	4/04/2002		1.3	1.0	ug/L
Vinyl chloride	MW-14	4/13/2004		2.2	2.0	ug/L
Vinyl chloride	MW-14	10/18/2004		3.1	2.0	ug/L
Vinyl chloride	MW-14	4/15/2005		1.4	1.0	ug/L
Vinyl chloride	MW-14	10/12/2006		1.3	1.0	ug/L
Vinyl chloride	MW-14	10/01/2008		1.0	1.0	ug/L
Vinyl chloride	MW-14	4/07/2009		1.9	1.0	ug/L
Vinyl chloride	MW-14	4/03/2013		1.0	1.0	ug/L
Vinyl chloride	MW-14	4/16/2014		1.0	1.0	ug/L
1,1-dichloroethane	MW-211	10/14/2010		3.7	1.0	ug/L
1,1-dichloroethane	MW-211	4/08/2011		5.2	1.0	ug/L
1,1-dichloroethane	MW-211	10/18/2011		4.0	1.0	ug/L
1,1-dichloroethane	MW-211	4/18/2012		3.1	1.0	ug/L
1,1-dichloroethane	MW-211	10/17/2012		2.4	1.0	ug/L
1,1-dichloroethane	MW-211	4/03/2013		2.6	1.0	ug/L
1,1-dichloroethane	MW-211	10/09/2013		1.0	1.0	ug/L
1,1-dichloroethane	MW-211	4/16/2014		1.5	1.0	ug/L
1,1-dichloroethane	MW-211	10/17/2016		2.0	1.0	ug/L
1,1-dichloroethane	MW-211	4/21/2017		1.2	1.0	ug/L
1,1-dichloroethane	MW-211	10/16/2017		1.4	1.0	ug/L
1,1-dichloroethane	MW-211	4/24/2018		1.0	1.0	ug/L
1,2-dichloropropane	MW-211	10/18/2011		2.6	1.0	ug/L
1,2-dichloropropane	MW-211	4/18/2012		2.1	1.0	ug/L
Benzene	MW-211	10/18/2011		1.2	1.0	ug/L
Benzene	MW-211	4/18/2012		2.2	1.0	ug/L
Benzene	MW-211	4/03/2013		1.1	1.0	ug/L
Benzene	MW-211	10/23/2014		2.8	1.0	ug/L
Benzene	MW-211	4/21/2017		1.5	1.0	ug/L
Benzene	MW-211	4/24/2018		1.6	1.0	ug/L
Benzene	MW-211	4/15/2019		1.0	1.0	ug/L
Benzene	MW-211	4/08/2021		1.5	1.0	ug/L
Benzene	MW-211	4/25/2022		1.5	1.0	ug/L
Benzene	MW-211	10/10/2024		1.2	1.0	ug/L
Benzene	MW-211	4/15/2025		1.6	1.0	ug/L
Chlorobenzene	MW-211	4/08/2011		4.6	1.0	ug/L
Chlorobenzene	MW-211	10/18/2011		5.5	1.0	ug/L
Chlorobenzene	MW-211	4/18/2012		6.7	1.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chlorobenzene	MW-211	10/17/2012		3.6	1.0	ug/L
Chlorobenzene	MW-211	4/03/2013		4.6	1.0	ug/L
Chlorobenzene	MW-211	10/09/2013		3.7	1.0	ug/L
Chlorobenzene	MW-211	4/16/2014		3.9	1.0	ug/L
Chlorobenzene	MW-211	10/23/2014		10.6	1.0	ug/L
Chlorobenzene	MW-211	4/01/2015		7.6	1.0	ug/L
Chlorobenzene	MW-211	11/05/2015		10.5	1.0	ug/L
Chlorobenzene	MW-211	4/21/2016		8.1	1.0	ug/L
Chlorobenzene	MW-211	10/17/2016		8.8	1.0	ug/L
Chlorobenzene	MW-211	4/21/2017		8.3	1.0	ug/L
Chlorobenzene	MW-211	10/16/2017		8.2	1.0	ug/L
Chlorobenzene	MW-211	4/24/2018		8.7	1.0	ug/L
Chlorobenzene	MW-211	10/25/2018		6.2	1.0	ug/L
Chlorobenzene	MW-211	4/15/2019		7.5	1.0	ug/L
Chlorobenzene	MW-211	10/07/2019		5.9	1.0	ug/L
Chlorobenzene	MW-211	4/22/2020		6.1	1.0	ug/L
Chlorobenzene	MW-211	10/02/2020		5.2	1.0	ug/L
Chlorobenzene	MW-211	4/08/2021		5.3	1.0	ug/L
Chlorobenzene	MW-211	10/29/2021		5.6	1.0	ug/L
Chlorobenzene	MW-211	4/25/2022		5.0	1.0	ug/L
Chlorobenzene	MW-211	10/17/2022		5.2	1.0	ug/L
Chlorobenzene	MW-211	4/10/2023		4.1	1.0	ug/L
Chlorobenzene	MW-211	10/27/2023		1.7	1.0	ug/L
Chlorobenzene	MW-211	4/02/2024		4.4	1.0	ug/L
Chlorobenzene	MW-211	10/10/2024		4.7	1.0	ug/L
Chlorobenzene	MW-211	4/15/2025		4.3	1.0	ug/L
Chloroethane	MW-211	10/14/2010		3.3	1.0	ug/L
Chloroethane	MW-211	4/08/2011		4.5	1.0	ug/L
Chloroethane	MW-211	10/18/2011		3.2	1.0	ug/L
Chloroethane	MW-211	4/18/2012		2.9	1.0	ug/L
Chloroethane	MW-211	10/17/2012		2.0	1.0	ug/L
Chloroethane	MW-211	4/03/2013		1.5	1.0	ug/L
Chloroethane	MW-211	4/16/2014		1.5	1.0	ug/L
Chloroethane	MW-211	10/23/2014		1.3	1.0	ug/L
Chloroethane	MW-211	11/05/2015		1.4	1.0	ug/L
Chloroethane	MW-211	4/21/2016		1.2	1.0	ug/L
Chloroethane	MW-211	10/17/2016		2.7	1.0	ug/L
Chloroethane	MW-211	4/21/2017		2.1	1.0	ug/L
Chloroethane	MW-211	10/16/2017		2.4	1.0	ug/L
Chloroethane	MW-211	4/24/2018		2.3	1.0	ug/L
Chloroethane	MW-211	4/15/2025		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	10/14/2010		3.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	4/08/2011		6.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	10/18/2011		4.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	4/18/2012		4.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	10/17/2012		3.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	4/03/2013		3.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	10/09/2013		1.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	4/16/2014		1.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	10/23/2014		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	4/01/2015		1.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	11/05/2015		1.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	4/21/2016		1.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	10/17/2016		3.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	4/21/2017		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	10/16/2017		2.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-211	4/24/2018		1.0	1.0	ug/L
1,1-dichloroethane	MW-31R	4/18/2012		9.5	1.0	ug/L
1,1-dichloroethane	MW-31R	10/17/2012		10.5	1.0	ug/L
1,1-dichloroethane	MW-31R	4/03/2013		14.4	1.0	ug/L
1,1-dichloroethane	MW-31R	10/09/2013		8.2	1.0	ug/L
1,1-dichloroethane	MW-31R	4/16/2014		16.6	1.0	ug/L
1,1-dichloroethane	MW-31R	10/23/2014		4.4	1.0	ug/L
1,1-dichloroethane	MW-31R	4/01/2015		5.8	1.0	ug/L
1,1-dichloroethane	MW-31R	11/05/2015		4.7	1.0	ug/L
1,1-dichloroethane	MW-31R	4/21/2016		1.9	1.0	ug/L
1,1-dichloroethane	MW-31R	10/17/2016		2.0	1.0	ug/L
1,1-dichloroethane	MW-31R	4/21/2017		2.0	1.0	ug/L
1,1-dichloroethane	MW-31R	10/16/2017		1.7	1.0	ug/L
1,1-dichloroethane	MW-31R	4/24/2018		2.9	1.0	ug/L
1,1-dichloroethane	MW-31R	4/15/2019		2.6	1.0	ug/L
1,1-dichloroethane	MW-31R	10/07/2019		1.4	1.0	ug/L
1,1-dichloroethane	MW-31R	4/22/2020		2.9	1.0	ug/L
1,1-dichloroethane	MW-31R	10/02/2020		2.9	1.0	ug/L
1,1-dichloroethane	MW-31R	4/08/2021		2.8	1.0	ug/L
1,1-dichloroethane	MW-31R	10/29/2021		2.9	1.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-dichloroethane	MW-31R	4/25/2022		2.9	1.0	ug/L
1,1-dichloroethane	MW-31R	10/17/2022		3.1	1.0	ug/L
1,1-dichloroethane	MW-31R	4/10/2023		2.8	1.0	ug/L
1,1-dichloroethane	MW-31R	10/27/2023		2.9	1.0	ug/L
1,1-dichloroethane	MW-31R	4/02/2024		3.3	1.0	ug/L
1,1-dichloroethane	MW-31R	10/10/2024		3.1	1.0	ug/L
1,1-dichloroethane	MW-31R	4/15/2025		2.7	1.0	ug/L
1,4-dichlorobenzene	MW-31R	10/09/2013		1.0	1.0	ug/L
1,4-dichlorobenzene	MW-31R	11/05/2015		3.2	1.0	ug/L
1,4-dichlorobenzene	MW-31R	4/21/2016		5.5	1.0	ug/L
1,4-dichlorobenzene	MW-31R	10/17/2016		7.8	1.0	ug/L
1,4-dichlorobenzene	MW-31R	4/21/2017		6.9	1.0	ug/L
1,4-dichlorobenzene	MW-31R	10/16/2017		6.0	1.0	ug/L
1,4-dichlorobenzene	MW-31R	4/24/2018		11.3	1.0	ug/L
1,4-dichlorobenzene	MW-31R	10/25/2018		9.5	1.0	ug/L
1,4-dichlorobenzene	MW-31R	4/15/2019		15.6	1.0	ug/L
1,4-dichlorobenzene	MW-31R	10/07/2019		16.6	1.0	ug/L
1,4-dichlorobenzene	MW-31R	4/22/2020		16.8	1.0	ug/L
1,4-dichlorobenzene	MW-31R	10/02/2020		15.1	1.0	ug/L
1,4-dichlorobenzene	MW-31R	4/08/2021		15.2	1.0	ug/L
1,4-dichlorobenzene	MW-31R	10/29/2021		17.7	1.0	ug/L
1,4-dichlorobenzene	MW-31R	4/25/2022		17.8	1.0	ug/L
1,4-dichlorobenzene	MW-31R	10/17/2022		17.7	1.0	ug/L
1,4-dichlorobenzene	MW-31R	4/10/2023		21.6	1.0	ug/L
1,4-dichlorobenzene	MW-31R	10/27/2023		15.4	1.0	ug/L
1,4-dichlorobenzene	MW-31R	4/02/2024		14.5	1.0	ug/L
1,4-dichlorobenzene	MW-31R	10/10/2024		16.6	1.0	ug/L
1,4-dichlorobenzene	MW-31R	4/15/2025		16.7	1.0	ug/L
Benzene	MW-31R	4/18/2012		2.7	1.0	ug/L
Benzene	MW-31R	10/17/2012		1.3	1.0	ug/L
Benzene	MW-31R	4/03/2013		2.3	1.0	ug/L
Benzene	MW-31R	10/09/2013		2.3	1.0	ug/L
Benzene	MW-31R	4/16/2014		2.2	1.0	ug/L
Benzene	MW-31R	10/23/2014		2.0	1.0	ug/L
Benzene	MW-31R	4/01/2015		2.0	1.0	ug/L
Benzene	MW-31R	11/05/2015		2.5	1.0	ug/L
Benzene	MW-31R	4/21/2016		3.1	1.0	ug/L
Benzene	MW-31R	10/17/2016		3.2	1.0	ug/L
Benzene	MW-31R	4/21/2017		2.6	1.0	ug/L
Benzene	MW-31R	10/16/2017		2.6	1.0	ug/L
Benzene	MW-31R	4/24/2018		2.9	1.0	ug/L
Benzene	MW-31R	4/15/2019		2.3	1.0	ug/L
Benzene	MW-31R	4/22/2020		2.0	1.0	ug/L
Benzene	MW-31R	10/02/2020		1.7	1.0	ug/L
Benzene	MW-31R	4/08/2021		1.9	1.0	ug/L
Benzene	MW-31R	10/29/2021		2.3	1.0	ug/L
Benzene	MW-31R	4/25/2022		2.5	1.0	ug/L
Benzene	MW-31R	10/17/2022		1.8	1.0	ug/L
Benzene	MW-31R	4/10/2023		1.9	1.0	ug/L
Benzene	MW-31R	10/27/2023		1.4	1.0	ug/L
Benzene	MW-31R	4/02/2024		2.1	1.0	ug/L
Benzene	MW-31R	10/10/2024		2.3	1.0	ug/L
Benzene	MW-31R	4/15/2025		1.3	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-31R	4/03/2013		22	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-31R	10/23/2014		64	10	ug/L
Bis(2-ethylhexyl) phthalate	MW-31R	10/27/2023		9	6	ug/L
Chlorobenzene	MW-31R	4/16/2014		1.1	1.0	ug/L
Chlorobenzene	MW-31R	4/01/2015		1.2	1.0	ug/L
Chlorobenzene	MW-31R	11/05/2015		3.0	1.0	ug/L
Chlorobenzene	MW-31R	4/21/2016		5.0	1.0	ug/L
Chlorobenzene	MW-31R	10/17/2016		7.2	1.0	ug/L
Chlorobenzene	MW-31R	4/21/2017		6.4	1.0	ug/L
Chlorobenzene	MW-31R	10/16/2017		7.9	1.0	ug/L
Chlorobenzene	MW-31R	4/24/2018		12.0	1.0	ug/L
Chlorobenzene	MW-31R	10/25/2018		10.5	1.0	ug/L
Chlorobenzene	MW-31R	4/15/2019		13.8	1.0	ug/L
Chlorobenzene	MW-31R	10/07/2019		13.3	1.0	ug/L
Chlorobenzene	MW-31R	4/22/2020		15.0	1.0	ug/L
Chlorobenzene	MW-31R	10/02/2020		13.8	1.0	ug/L
Chlorobenzene	MW-31R	4/08/2021		15.6	1.0	ug/L
Chlorobenzene	MW-31R	10/29/2021		17.4	1.0	ug/L
Chlorobenzene	MW-31R	4/25/2022		18.6	1.0	ug/L
Chlorobenzene	MW-31R	10/17/2022		19.8	1.0	ug/L
Chlorobenzene	MW-31R	4/10/2023		25.0	1.0	ug/L
Chlorobenzene	MW-31R	10/27/2023		18.6	1.0	ug/L
Chlorobenzene	MW-31R	4/02/2024		21.0	1.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chlorobenzene	MW-31R	10/10/2024		26.1	1.0	ug/L
Chlorobenzene	MW-31R	4/15/2025		22.3	1.0	ug/L
Chloroethane	MW-31R	4/18/2012		5.4	1.0	ug/L
Chloroethane	MW-31R	10/17/2012		5.5	1.0	ug/L
Chloroethane	MW-31R	4/03/2013		6.9	1.0	ug/L
Chloroethane	MW-31R	10/09/2013		5.4	1.0	ug/L
Chloroethane	MW-31R	4/16/2014		8.3	1.0	ug/L
Chloroethane	MW-31R	10/23/2014		3.9	1.0	ug/L
Chloroethane	MW-31R	11/05/2015		4.1	1.0	ug/L
Chloroethane	MW-31R	4/21/2016		2.8	1.0	ug/L
Chloroethane	MW-31R	10/17/2016		3.7	1.0	ug/L
Chloroethane	MW-31R	4/21/2017		3.4	1.0	ug/L
Chloroethane	MW-31R	4/24/2018		4.8	1.0	ug/L
Chloroethane	MW-31R	10/25/2018		3.4	1.0	ug/L
Chloroethane	MW-31R	4/15/2019		3.3	1.0	ug/L
Chloroethane	MW-31R	10/07/2019		3.4	1.0	ug/L
Chloroethane	MW-31R	4/22/2020		3.4	1.0	ug/L
Chloroethane	MW-31R	10/02/2020		2.9	1.0	ug/L
Chloroethane	MW-31R	4/08/2021		3.0	1.0	ug/L
Chloroethane	MW-31R	10/29/2021		2.9	1.0	ug/L
Chloroethane	MW-31R	4/25/2022		3.7	1.0	ug/L
Chloroethane	MW-31R	10/17/2022		3.3	1.0	ug/L
Chloroethane	MW-31R	4/10/2023		3.6	1.0	ug/L
Chloroethane	MW-31R	10/27/2023		3.4	1.0	ug/L
Chloroethane	MW-31R	4/02/2024		3.5	1.0	ug/L
Chloroethane	MW-31R	10/10/2024		2.6	1.0	ug/L
Chloroethane	MW-31R	4/15/2025		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/18/2012		137.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	10/17/2012		142.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/03/2013		165.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	10/09/2013		112.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/16/2014		185.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	10/23/2014		116.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/01/2015		110.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	11/05/2015		80.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/21/2016		59.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	10/17/2016		45.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/21/2017		39.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	10/16/2017		38.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/24/2018		39.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	10/25/2018		26.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/15/2019		26.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	10/07/2019		25.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/22/2020		20.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	10/02/2020		34.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/08/2021		23.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	10/29/2021		18.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/25/2022		24.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	10/17/2022		22.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/10/2023		11.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	10/27/2023		17.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/02/2024		19.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	10/10/2024		16.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-31R	4/15/2025		14.0	1.0	ug/L
Dichlorodifluoromethane	MW-31R	4/03/2013		1.3	1.0	ug/L
Dichlorodifluoromethane	MW-31R	4/16/2014		1.5	1.0	ug/L
Dichlorodifluoromethane	MW-31R	10/23/2014		1.2	1.0	ug/L
Disulfoton	MW-31R	10/27/2023		2.9	.4	ug/L
Ethylbenzene	MW-31R	4/02/2024		1.0	1.0	ug/L
Ethylbenzene	MW-31R	10/10/2024		2.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/18/2012		11.1	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	10/17/2012		8.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/03/2013		13.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	10/09/2013		12.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/16/2014		13.7	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	10/23/2014		9.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/01/2015		6.5	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	11/05/2015		6.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/21/2016		3.7	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	10/17/2016		3.7	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/21/2017		3.5	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	10/16/2017		3.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/24/2018		3.9	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/15/2019		2.7	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	10/07/2019		1.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/22/2020		2.9	1.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Trans-1,2-dichloroethylene	MW-31R	10/02/2020		3.7	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/08/2021		2.1	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	10/29/2021		2.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/25/2022		2.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	10/17/2022		2.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/10/2023		1.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	10/27/2023		2.3	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/02/2024		2.5	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	10/10/2024		1.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-31R	4/15/2025		1.7	1.0	ug/L
Vinyl chloride	MW-31R	4/18/2012		5.4	1.0	ug/L
Vinyl chloride	MW-31R	10/17/2012		4.0	1.0	ug/L
Vinyl chloride	MW-31R	4/03/2013		3.8	1.0	ug/L
Vinyl chloride	MW-31R	10/09/2013		4.5	1.0	ug/L
Vinyl chloride	MW-31R	4/16/2014		4.1	1.0	ug/L
Vinyl chloride	MW-31R	10/23/2014		4.0	1.0	ug/L
Vinyl chloride	MW-31R	4/01/2015		2.7	1.0	ug/L
Vinyl chloride	MW-31R	11/05/2015		2.2	1.0	ug/L
Vinyl chloride	MW-31R	4/21/2016		2.3	1.0	ug/L
Vinyl chloride	MW-31R	10/17/2016		2.0	1.0	ug/L
Vinyl chloride	MW-31R	4/21/2017		1.1	1.0	ug/L
Vinyl chloride	MW-31R	4/24/2018		1.3	1.0	ug/L
1,1-dichloroethane	MW-35	10/14/2010		7.3	1.0	ug/L
1,1-dichloroethane	MW-35	4/08/2011		10.1	1.0	ug/L
1,1-dichloroethane	MW-35	10/18/2011		5.0	1.0	ug/L
1,1-dichloroethane	MW-35	4/18/2012		4.2	1.0	ug/L
1,1-dichloroethane	MW-35	10/16/2012		3.2	1.0	ug/L
1,1-dichloroethane	MW-35	4/03/2013		2.1	1.0	ug/L
1,1-dichloroethane	MW-35	10/09/2013		2.2	1.0	ug/L
1,1-dichloroethane	MW-35	4/16/2014		1.1	1.0	ug/L
1,1-dichloroethane	MW-35	10/23/2014		1.0	1.0	ug/L
1,1-dichloroethane	MW-35	4/01/2015		1.2	1.0	ug/L
1,1-dichloroethane	MW-35	7/08/2015		2.3	1.0	ug/L
1,1-dichloroethane	MW-35	10/17/2016		10.8	1.0	ug/L
1,1-dichloroethane	MW-35	4/21/2017		9.8	1.0	ug/L
1,1-dichloroethane	MW-35	10/16/2017		9.8	1.0	ug/L
1,1-dichloroethane	MW-35	4/24/2018		12.0	1.0	ug/L
1,1-dichloroethane	MW-35	10/25/2018		5.5	1.0	ug/L
1,1-dichloroethane	MW-35	4/15/2019		5.7	1.0	ug/L
1,1-dichloroethane	MW-35	10/07/2019		5.7	1.0	ug/L
1,1-dichloroethane	MW-35	4/22/2020		5.0	1.0	ug/L
Benzene	MW-35	10/17/2016		1.1	1.0	ug/L
Benzene	MW-35	10/16/2017		1.3	1.0	ug/L
Benzene	MW-35	4/24/2018		1.4	1.0	ug/L
Chloroethane	MW-35	10/14/2010		4.7	1.0	ug/L
Chloroethane	MW-35	4/08/2011		6.8	1.0	ug/L
Chloroethane	MW-35	10/18/2011		1.9	1.0	ug/L
Chloroethane	MW-35	4/18/2012		1.1	1.0	ug/L
Chloroethane	MW-35	10/16/2012		1.0	1.0	ug/L
Chloroethane	MW-35	10/17/2016		28.2	1.0	ug/L
Chloroethane	MW-35	4/21/2017		21.8	1.0	ug/L
Chloroethane	MW-35	10/16/2017		16.7	1.0	ug/L
Chloroethane	MW-35	4/24/2018		28.9	1.0	ug/L
Chloroethane	MW-35	4/15/2019		11.2	1.0	ug/L
Chloroethane	MW-35	10/07/2019		16.8	1.0	ug/L
Chloroethane	MW-35	4/22/2020		10.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	10/14/2010		4.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	4/08/2011		13.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	10/18/2011		3.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	4/18/2012		2.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	10/16/2012		1.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	10/17/2016		9.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	4/21/2017		6.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	10/16/2017		9.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	4/24/2018		13.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	10/25/2018		4.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	4/15/2019		5.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	10/07/2019		4.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35	4/22/2020		3.2	1.0	ug/L
Vinyl chloride	MW-35	10/17/2016		1.8	1.0	ug/L
Vinyl chloride	MW-35	4/21/2017		1.2	1.0	ug/L
Vinyl chloride	MW-35	4/24/2018		2.1	1.0	ug/L
1,1-dichloroethane	MW-35R	10/01/2020		5.1	1.0	ug/L
1,1-dichloroethane	MW-35R	4/08/2021		4.9	1.0	ug/L
1,1-dichloroethane	MW-35R	10/29/2021		1.4	1.0	ug/L
1,1-dichloroethane	MW-35R	4/25/2022		2.0	1.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-dichloroethane	MW-35R	4/10/2023		3.1	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-35R	10/17/2022		78	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-35R	1/05/2023		79	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-35R	4/10/2023		6	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-35R	10/27/2023		15	6	ug/L
Chloroethane	MW-35R	10/01/2020		19.2	1.0	ug/L
Chloroethane	MW-35R	4/08/2021		11.7	1.0	ug/L
Chloroethane	MW-35R	10/29/2021		2.3	1.0	ug/L
Chloroethane	MW-35R	4/25/2022		5.8	1.0	ug/L
Chloroethane	MW-35R	10/17/2022		2.2	1.0	ug/L
Chloroethane	MW-35R	4/10/2023		2.7	1.0	ug/L
Chloroethane	MW-35R	10/27/2023		1.4	1.0	ug/L
Chloroethane	MW-35R	4/02/2024		2.1	1.0	ug/L
Chloroethane	MW-35R	4/15/2025		3.2	1.0	ug/L
Chloroethane	MW-35R	10/16/2025		7.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35R	10/01/2020		4.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35R	4/08/2021		4.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35R	10/29/2021		1.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-35R	4/25/2022		1.6	1.0	ug/L
Vinyl chloride	MW-35R	10/01/2020		1.1	1.0	ug/L
Vinyl chloride	MW-35R	10/16/2025		1.7	1.0	ug/L
Acetone	MW-37	10/16/2017		18.6	10.0	ug/L
Acetone	MW-39	10/16/2017		11	10	ug/L
1,1-dichloroethane	MW-7	10/14/2010		13.5	1.0	ug/L
1,1-dichloroethane	MW-7	4/08/2011		13.3	1.0	ug/L
1,1-dichloroethane	MW-7	10/18/2011		6.5	1.0	ug/L
1,1-dichloroethane	MW-7	4/18/2012		6.7	1.0	ug/L
1,1-dichloroethane	MW-7	10/16/2012		1.5	1.0	ug/L
1,1-dichloroethane	MW-7	4/03/2013		2.5	1.0	ug/L
1,1-dichloroethane	MW-7	10/17/2016		1.7	1.0	ug/L
1,1-dichloroethane	MW-7	4/15/2019		2.9	1.0	ug/L
1,1-dichloroethane	MW-7	4/22/2020		1.7	1.0	ug/L
1,1-dichloroethane	MW-7	4/08/2021		1.2	1.0	ug/L
1,1-dichloroethane	MW-7	4/25/2022		1.0	1.0	ug/L
Benzene	MW-7	4/08/2011		2.4	1.0	ug/L
Benzene	MW-7	10/18/2011		1.3	1.0	ug/L
Benzene	MW-7	4/18/2012		1.8	1.0	ug/L
Benzene	MW-7	4/03/2013		1.1	1.0	ug/L
Benzene	MW-7	4/25/2022		1.4	1.0	ug/L
Benzene	MW-7	4/15/2025		1.2	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-7	4/18/2012		15	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-7	10/17/2022		9	6	ug/L
Carbon disulfide	MW-7	10/16/2025		2.8	1.0	ug/L
Chloroethane	MW-7	10/14/2010		30.3	1.0	ug/L
Chloroethane	MW-7	4/08/2011		41.4	1.0	ug/L
Chloroethane	MW-7	10/18/2011		19.0	1.0	ug/L
Chloroethane	MW-7	4/18/2012		21.0	1.0	ug/L
Chloroethane	MW-7	10/16/2012		5.8	1.0	ug/L
Chloroethane	MW-7	4/03/2013		11.6	1.0	ug/L
Chloroethane	MW-7	10/09/2013		3.6	1.0	ug/L
Chloroethane	MW-7	4/16/2014		4.1	1.0	ug/L
Chloroethane	MW-7	10/23/2014		2.0	1.0	ug/L
Chloroethane	MW-7	11/05/2015		4.4	1.0	ug/L
Chloroethane	MW-7	4/21/2016		1.0	1.0	ug/L
Chloroethane	MW-7	10/17/2016		13.5	1.0	ug/L
Chloroethane	MW-7	4/21/2017		3.9	1.0	ug/L
Chloroethane	MW-7	10/16/2017		4.4	1.0	ug/L
Chloroethane	MW-7	4/15/2019		8.0	1.0	ug/L
Chloroethane	MW-7	4/22/2020		5.1	1.0	ug/L
Chloroethane	MW-7	10/01/2020		3.7	1.0	ug/L
Chloroethane	MW-7	4/08/2021		6.8	1.0	ug/L
Chloroethane	MW-7	4/25/2022		6.5	1.0	ug/L
Chloroethane	MW-7	10/17/2022		2.6	1.0	ug/L
Chloroethane	MW-7	4/10/2023		3.8	1.0	ug/L
Chloroethane	MW-7	10/27/2023		1.6	1.0	ug/L
Chloroethane	MW-7	10/10/2024		1.7	1.0	ug/L
Chloroethane	MW-7	4/15/2025		4.5	1.0	ug/L
Chloroethane	MW-7	10/16/2025		4.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	10/14/2010		9.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	4/08/2011		14.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	10/18/2011		5.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	4/18/2012		9.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	10/16/2012		1.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	4/03/2013		3.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	4/16/2014		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	10/17/2016		1.0	1.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Dichlorodifluoromethane	MW-7	4/18/2012		1	1	ug/L
Vinyl chloride	MW-7	10/14/2010		2.1	1.0	ug/L
Vinyl chloride	MW-7	4/08/2011		3.0	1.0	ug/L
Vinyl chloride	MW-7	10/18/2011		1.4	1.0	ug/L
Vinyl chloride	MW-7	4/18/2012		1.6	1.0	ug/L
Vinyl chloride	MW-7	10/17/2016		1.9	1.0	ug/L
Chloroethane	MW-7A	5/14/2013		3.6	1.0	ug/L
1,1-dichloroethane	MW-9	10/16/2017		1.2	1.0	ug/L
1,1-dichloroethane	MW-9	10/27/2023		1.2	1.0	ug/L
1,2-dichloroethane	MW-9	10/05/1993		5.8	1.0	ug/L
1,2-dichloroethane	MW-9	1/13/1994		8.3	1.0	ug/L
1,2-dichloroethane	MW-9	4/23/1994		6.2	1.0	ug/L
1,2-dichloroethane	MW-9	7/13/1994		5.4	1.0	ug/L
1,2-dichloroethane	MW-9	4/13/1995		1.4	1.0	ug/L
1,2-dichloroethane	MW-9	10/04/1995		1.4	1.0	ug/L
1,2-dichloroethane	MW-9	4/30/1996		1.4	1.0	ug/L
Benzene	MW-9	10/05/1993		1.1	1.0	ug/L
Benzene	MW-9	1/13/1994		1.3	1.0	ug/L
Benzene	MW-9	4/23/1994		1.3	1.0	ug/L
Benzene	MW-9	7/13/1994		1.2	1.0	ug/L
Benzene	MW-9	10/04/1995		2.2	1.0	ug/L
Benzene	MW-9	4/30/1996		2.2	1.0	ug/L
Benzene	MW-9	10/17/2022		1.0	1.0	ug/L
Chloroethane	MW-9	10/14/2010		1.4	1.0	ug/L
Chloroethane	MW-9	10/18/2011		1.1	1.0	ug/L
Chloroethane	MW-9	10/17/2016		1.0	1.0	ug/L
Chloroethane	MW-9	10/16/2017		2.0	1.0	ug/L
Chloroethane	MW-9	10/07/2019		2.0	1.0	ug/L
Chloroethane	MW-9	10/01/2020		1.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-9	10/04/1995		15.1	2.0	ug/L
Cis-1,2-dichloroethylene	MW-9	4/30/1996		15.1	2.0	ug/L
Cis-1,2-dichloroethylene	MW-9	4/28/1998		5.7	2.0	ug/L
Cis-1,2-dichloroethylene	MW-9	10/29/1998		8.9	2.0	ug/L
1,1-dichloroethane	TILE ACM-1	10/25/2018		3.6	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	4/15/2019		3.8	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	10/07/2019		4.7	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	4/22/2020		14.4	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	10/29/2021		2.9	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	4/25/2022		2.9	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	4/10/2023		4.8	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	4/02/2024		1.6	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	4/15/2025		3.4	1.0	ug/L
1,1-dichloroethane	TILE ACM-1	10/16/2025		3.4	1.0	ug/L
1,4-dichlorobenzene	TILE ACM-1	4/15/2019		3.6	1.0	ug/L
1,4-dichlorobenzene	TILE ACM-1	10/07/2019		3.3	1.0	ug/L
1,4-dichlorobenzene	TILE ACM-1	4/25/2022		1.1	1.0	ug/L
1,4-dichlorobenzene	TILE ACM-1	4/10/2023		1.8	1.0	ug/L
1,4-dichlorobenzene	TILE ACM-1	4/15/2025		1.6	1.0	ug/L
1,4-dichlorobenzene	TILE ACM-1	10/16/2025		2.8	1.0	ug/L
Benzene	TILE ACM-1	4/15/2019		2.0	1.0	ug/L
Benzene	TILE ACM-1	10/07/2019		1.3	1.0	ug/L
Benzene	TILE ACM-1	4/22/2020		2.0	1.0	ug/L
Benzene	TILE ACM-1	4/25/2022		1.8	1.0	ug/L
Benzene	TILE ACM-1	4/10/2023		1.6	1.0	ug/L
Benzene	TILE ACM-1	4/15/2025		1.6	1.0	ug/L
Chlorobenzene	TILE ACM-1	10/25/2018		16.6	1.0	ug/L
Chlorobenzene	TILE ACM-1	4/15/2019		13.8	1.0	ug/L
Chlorobenzene	TILE ACM-1	10/07/2019		7.4	1.0	ug/L
Chlorobenzene	TILE ACM-1	4/22/2020		4.6	1.0	ug/L
Chlorobenzene	TILE ACM-1	4/25/2022		7.9	1.0	ug/L
Chlorobenzene	TILE ACM-1	4/10/2023		7.8	1.0	ug/L
Chlorobenzene	TILE ACM-1	4/02/2024		3.7	1.0	ug/L
Chlorobenzene	TILE ACM-1	4/15/2025		11.5	1.0	ug/L
Chlorobenzene	TILE ACM-1	10/16/2025		1.2	1.0	ug/L
Chloroethane	TILE ACM-1	10/25/2018		5.8	1.0	ug/L
Chloroethane	TILE ACM-1	4/15/2019		5.0	1.0	ug/L
Chloroethane	TILE ACM-1	10/07/2019		9.8	1.0	ug/L
Chloroethane	TILE ACM-1	4/22/2020		12.2	1.0	ug/L
Chloroethane	TILE ACM-1	10/29/2021		2.6	1.0	ug/L
Chloroethane	TILE ACM-1	4/25/2022		3.7	1.0	ug/L
Chloroethane	TILE ACM-1	4/10/2023		5.1	1.0	ug/L
Chloroethane	TILE ACM-1	4/02/2024		2.3	1.0	ug/L
Chloroethane	TILE ACM-1	4/15/2025		5.5	1.0	ug/L
Chloroethane	TILE ACM-1	10/16/2025		4.6	1.0	ug/L
Cis-1,2-dichloroethylene	TILE ACM-1	10/25/2018		3.0	1.0	ug/L
Cis-1,2-dichloroethylene	TILE ACM-1	4/15/2019		2.8	1.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Cis-1,2-dichloroethylene	TILE ACM-1	10/07/2019		4.2	1.0	ug/L
Cis-1,2-dichloroethylene	TILE ACM-1	4/22/2020		6.3	1.0	ug/L
Cis-1,2-dichloroethylene	TILE ACM-1	4/25/2022		1.3	1.0	ug/L
Cis-1,2-dichloroethylene	TILE ACM-1	4/10/2023		2.0	1.0	ug/L
Cis-1,2-dichloroethylene	TILE ACM-1	4/15/2025		2.1	1.0	ug/L
Cis-1,2-dichloroethylene	TILE ACM-1	10/16/2025		2.0	1.0	ug/L
Ethylbenzene	TILE ACM-1	10/07/2019		1.9	1.0	ug/L
Ethylbenzene	TILE ACM-1	4/25/2022		1.6	1.0	ug/L
Toluene	TILE ACM-1	10/07/2019		1.7	1.0	ug/L
Vinyl chloride	TILE ACM-1	10/07/2019		2.0	1.0	ug/L
Vinyl chloride	TILE ACM-1	4/22/2020		1.8	1.0	ug/L
Vinyl chloride	TILE ACM-1	4/10/2023		1.0	1.0	ug/L
Vinyl chloride	TILE ACM-1	4/15/2025		1.2	1.0	ug/L
Xylenes, total	TILE ACM-1	4/25/2022		2.4	2.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Attachment E

Assessment Statistics for VOCs

Table 1

**Confidence Intervals for Comparing the Mean of the Last
4 Measurements to an Assessment Monitoring Standard**

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
1,1-dichloroethane	ug/L	MW-13R	4	0.500	0.000	1.176	0.500	0.500	140.000	inc
1,4-dichlorobenzene	ug/L	MW-13R	4	1.425	0.330	1.176	1.036	1.814	75.000	
Benzene	ug/L	MW-13R	4	3.050	0.874	1.176	2.022	4.078	5.000	
Chlorobenzene	ug/L	MW-13R	4	39.300	4.694	1.176	33.779	44.821	100.000	
Chloroethane	ug/L	MW-13R	4	0.500	0.000	1.176	0.500	0.500	2800.000	
Cis-1,2-dichloroethylene	ug/L	MW-13R	4	0.500	0.000	1.176	0.500	0.500	70.000	
Ethylbenzene	ug/L	MW-13R	4	0.500	0.000	1.176	0.500	0.500	700.000	
Trans-1,2-dichloroethylene	ug/L	MW-13R	4	0.500	0.000	1.176	0.500	0.500	100.000	
Vinyl chloride	ug/L	MW-13R	4	0.500	0.000	1.176	0.500	0.500	2.000	
1,1-dichloroethane	ug/L	MW-14	4	0.500	0.000	1.176	0.500	0.500	140.000	
1,4-dichlorobenzene	ug/L	MW-14	4	2.450	1.396	1.176	0.807	4.093	75.000	
Benzene	ug/L	MW-14	4	1.300	1.010	1.176	0.112	2.488	5.000	
Chlorobenzene	ug/L	MW-14	4	0.800	0.356	1.176	0.381	1.219	100.000	
Chloroethane	ug/L	MW-14	4	1.300	0.606	1.176	0.588	2.012	2800.000	
Cis-1,2-dichloroethylene	ug/L	MW-14	4	0.500	0.000	1.176	0.500	0.500	70.000	
Ethylbenzene	ug/L	MW-14	4	0.500	0.000	1.176	0.500	0.500	700.000	
Trans-1,2-dichloroethylene	ug/L	MW-14	4	0.500	0.000	1.176	0.500	0.500	100.000	
Vinyl chloride	ug/L	MW-14	4	0.500	0.000	1.176	0.500	0.500	2.000	
1,1-dichloroethane	ug/L	MW-35R	4	0.500	0.000	1.176	0.500	0.500	140.000	
1,4-dichlorobenzene	ug/L	MW-35R	4	0.500	0.000	1.176	0.500	0.500	75.000	
Benzene	ug/L	MW-35R	4	0.500	0.000	1.176	0.500	0.500	5.000	
Chlorobenzene	ug/L	MW-35R	4	0.500	0.000	1.176	0.500	0.500	100.000	
Chloroethane	ug/L	MW-35R	4	3.525	2.687	1.176	0.364	6.686	2800.000	
Cis-1,2-dichloroethylene	ug/L	MW-35R	4	0.500	0.000	1.176	0.500	0.500	70.000	
Ethylbenzene	ug/L	MW-35R	4	0.500	0.000	1.176	0.500	0.500	700.000	
Trans-1,2-dichloroethylene	ug/L	MW-35R	4	0.500	0.000	1.176	0.500	0.500	100.000	
Vinyl chloride	ug/L	MW-35R	4	0.800	0.600	1.176	0.094	1.506	2.000	
1,1-dichloroethane	ug/L	MW-7	4	0.500	0.000	1.176	0.500	0.500	140.000	
1,4-dichlorobenzene	ug/L	MW-7	4	0.500	0.000	1.176	0.500	0.500	75.000	
Benzene	ug/L	MW-7	4	0.675	0.350	1.176	0.263	1.087	5.000	
Chlorobenzene	ug/L	MW-7	4	0.500	0.000	1.176	0.500	0.500	100.000	
Chloroethane	ug/L	MW-7	4	2.750	1.969	1.176	0.434	5.066	2800.000	
Cis-1,2-dichloroethylene	ug/L	MW-7	4	0.500	0.000	1.176	0.500	0.500	70.000	
Ethylbenzene	ug/L	MW-7	4	0.500	0.000	1.176	0.500	0.500	700.000	
Trans-1,2-dichloroethylene	ug/L	MW-7	4	0.500	0.000	1.176	0.500	0.500	100.000	
Vinyl chloride	ug/L	MW-7	4	0.500	0.000	1.176	0.500	0.500	2.000	
1,1-dichloroethane	ug/L	MW-9	4	0.500	0.000	1.176	0.500	0.500	140.000	
1,4-dichlorobenzene	ug/L	MW-9	4	0.500	0.000	1.176	0.500	0.500	75.000	
Benzene	ug/L	MW-9	4	0.500	0.000	1.176	0.500	0.500	5.000	
Chlorobenzene	ug/L	MW-9	4	0.500	0.000	1.176	0.500	0.500	100.000	
Chloroethane	ug/L	MW-9	4	0.500	0.000	1.176	0.500	0.500	2800.000	
Cis-1,2-dichloroethylene	ug/L	MW-9	4	0.500	0.000	1.176	0.500	0.500	70.000	
Ethylbenzene	ug/L	MW-9	4	0.500	0.000	1.176	0.500	0.500	700.000	
Trans-1,2-dichloroethylene	ug/L	MW-9	4	0.500	0.000	1.176	0.500	0.500	100.000	
Vinyl chloride	ug/L	MW-9	4	0.500	0.000	1.176	0.500	0.500	2.000	

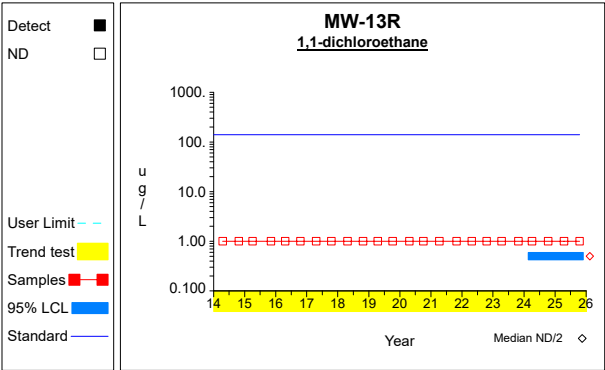
* - Insufficient Data

** - Significant Exceedance

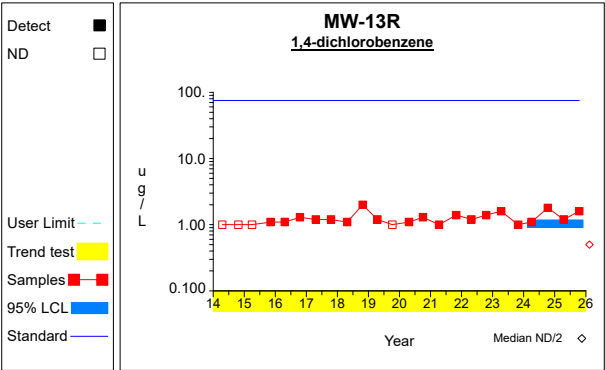
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

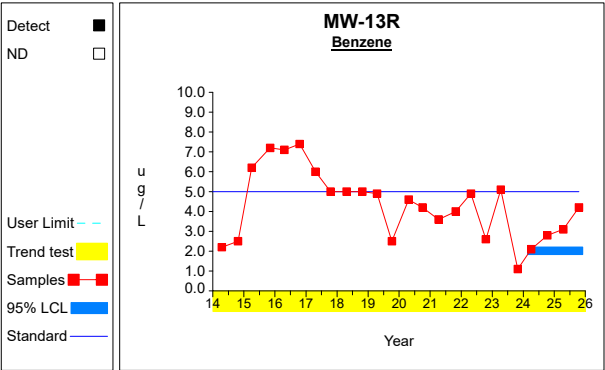
Confidence Limits (Assessment)



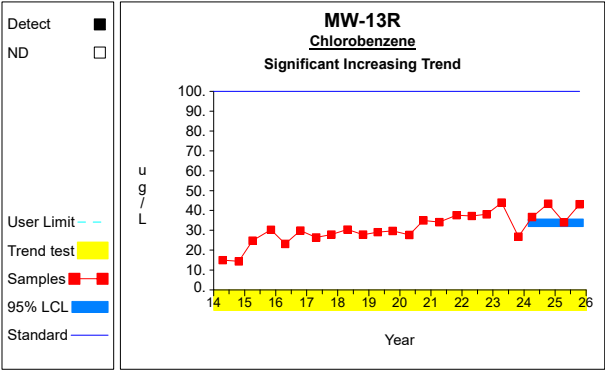
Graph 1



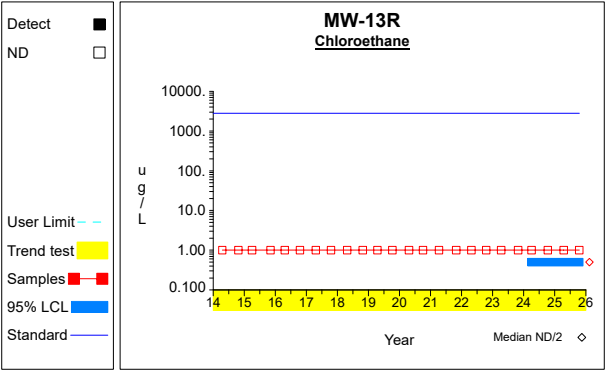
Graph 2



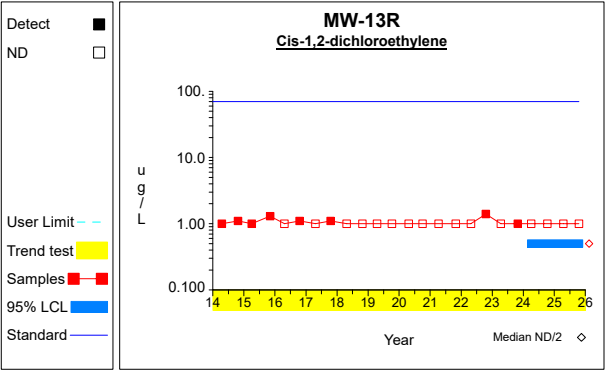
Graph 3



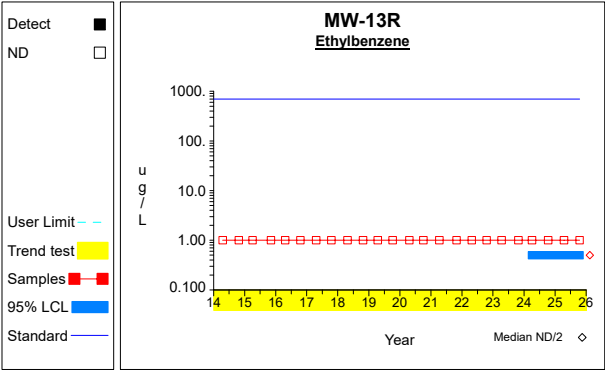
Graph 4



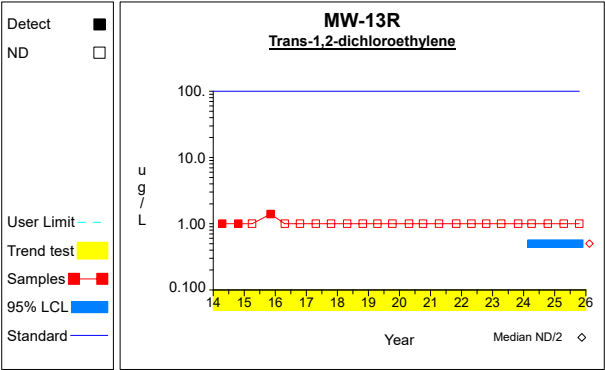
Graph 5



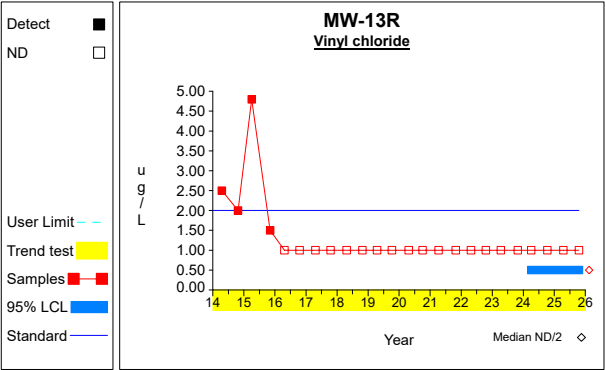
Graph 6



Graph 7

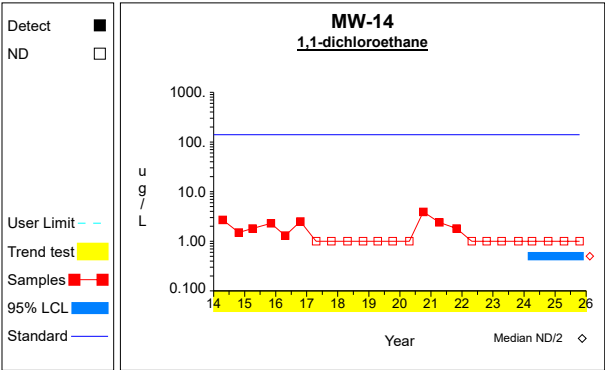


Graph 8

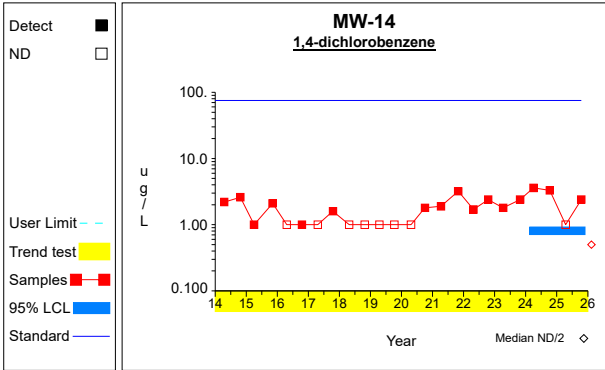


Graph 9

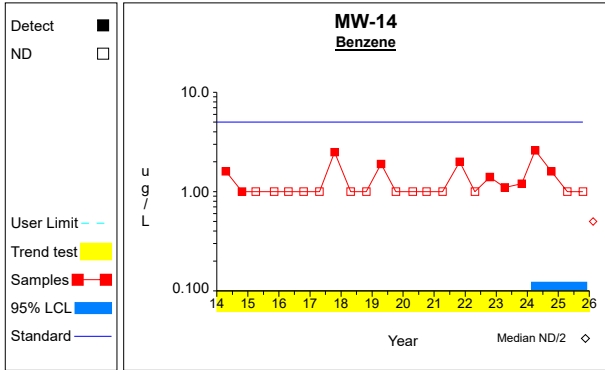
Confidence Limits (Assessment)



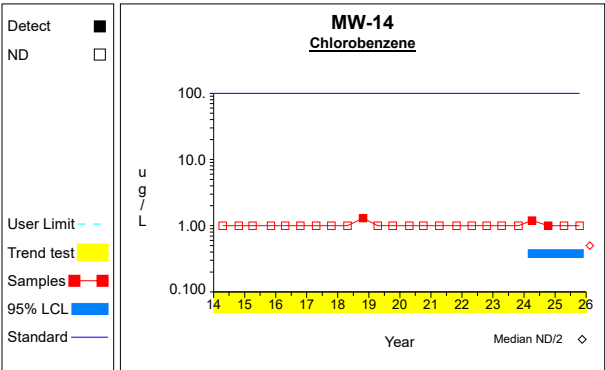
Graph 10



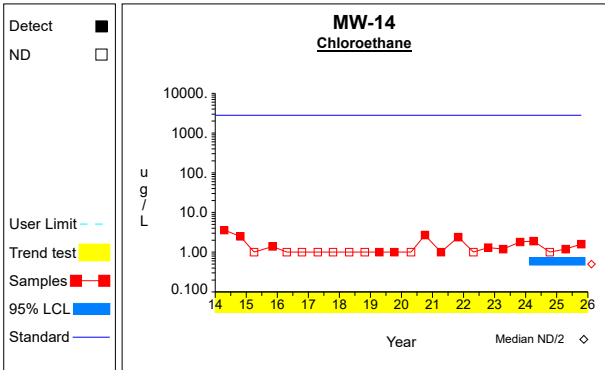
Graph 11



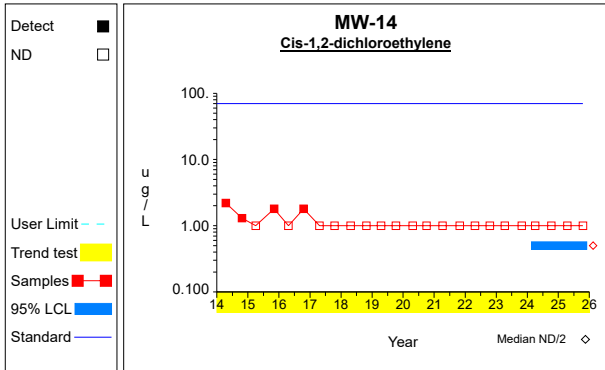
Graph 12



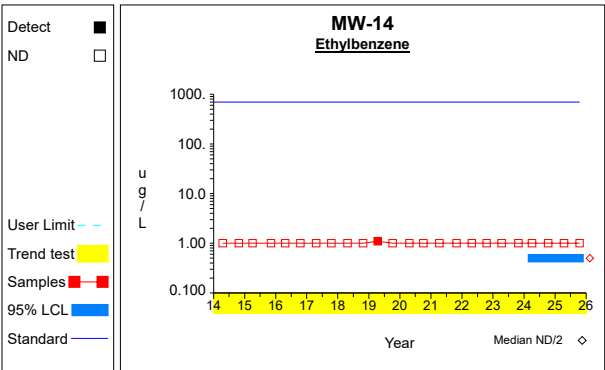
Graph 13



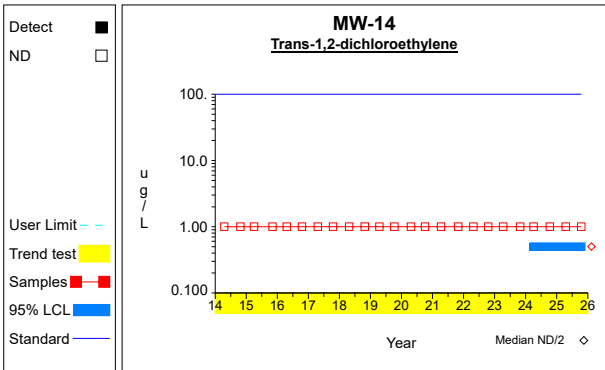
Graph 14



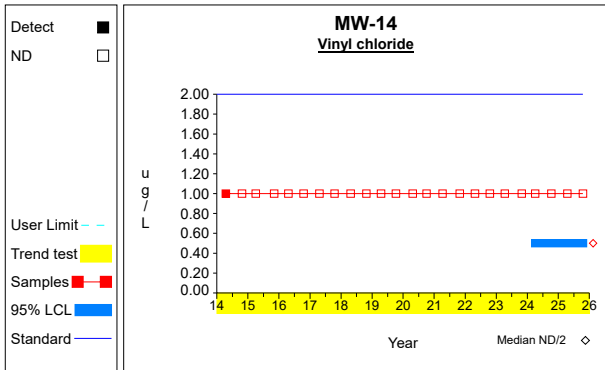
Graph 15



Graph 16

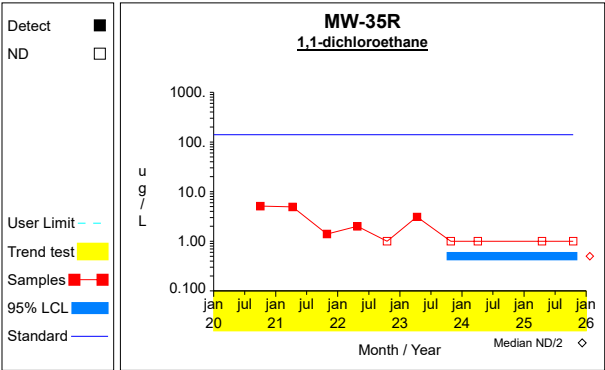


Graph 17

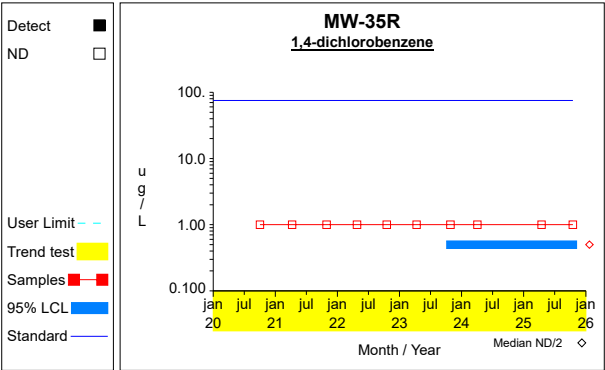


Graph 18

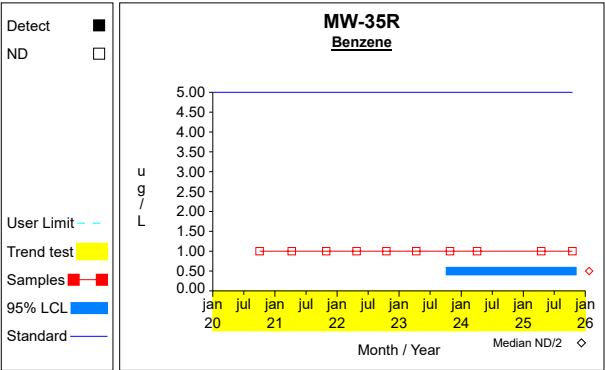
Confidence Limits (Assessment)



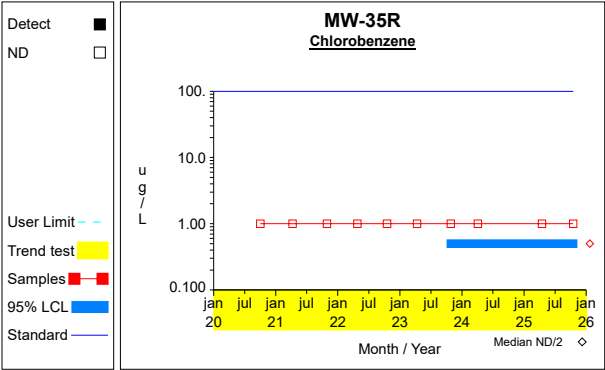
Graph 19



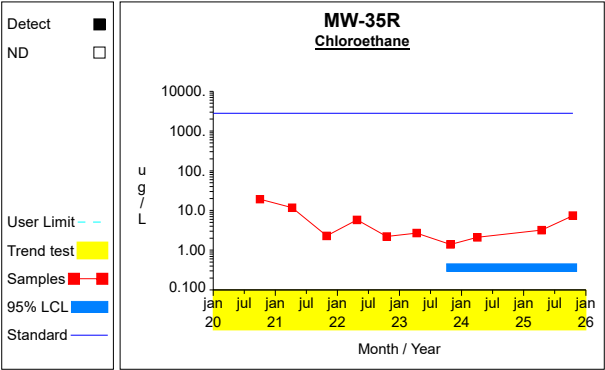
Graph 20



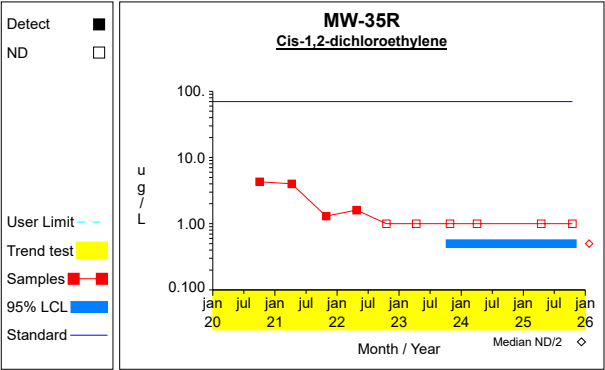
Graph 21



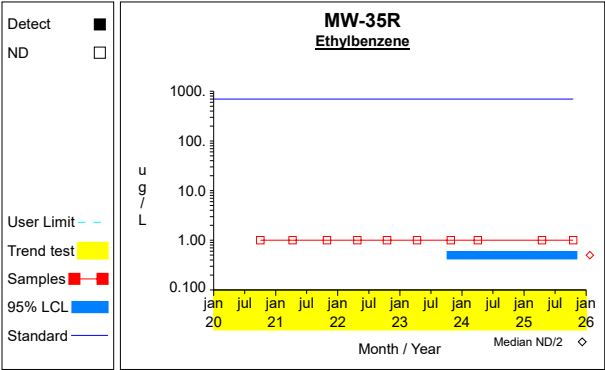
Graph 22



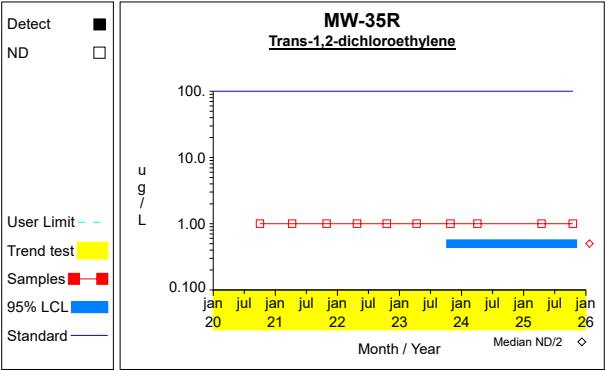
Graph 23



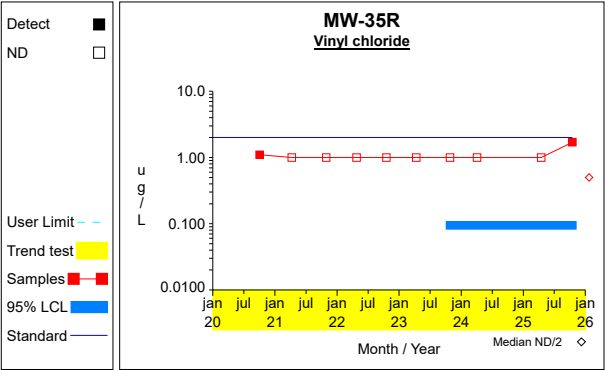
Graph 24



Graph 25

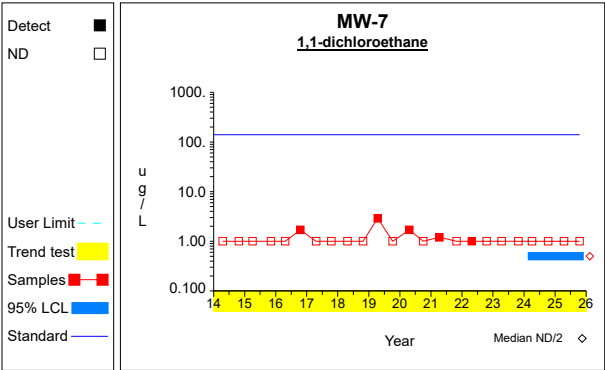


Graph 26

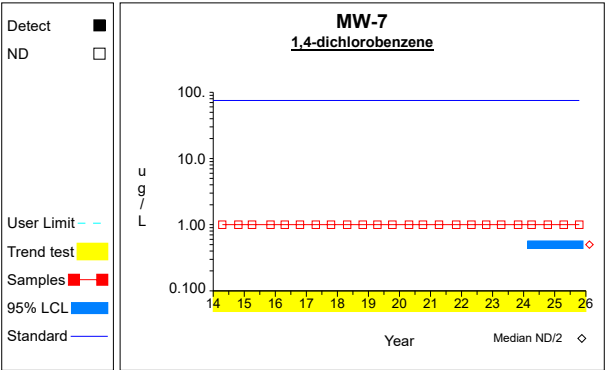


Graph 27

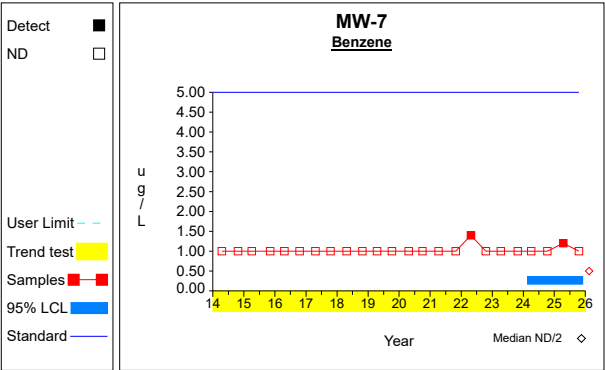
Confidence Limits (Assessment)



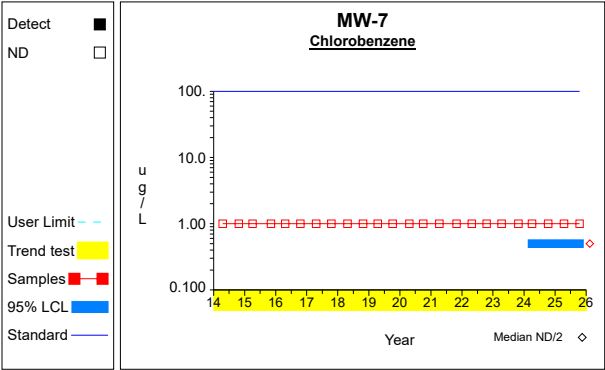
Graph 28



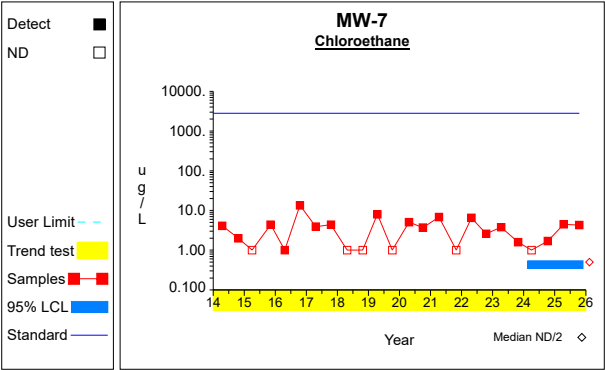
Graph 29



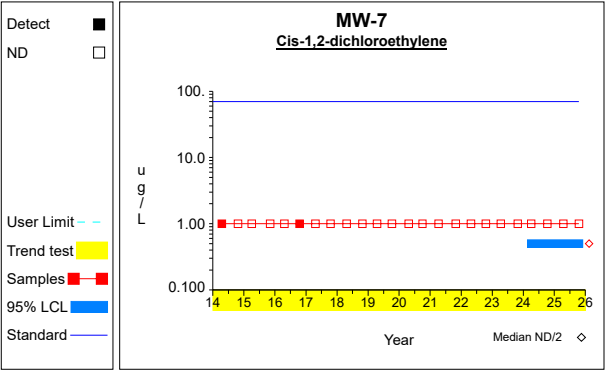
Graph 30



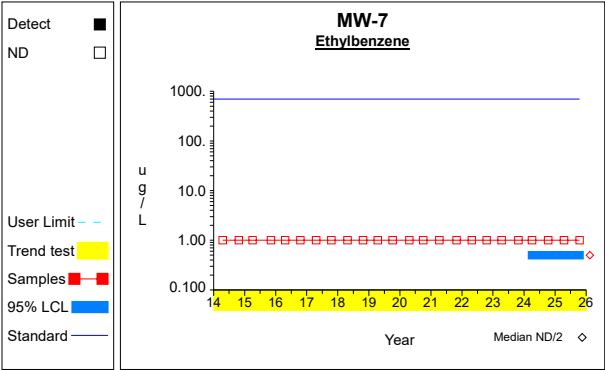
Graph 31



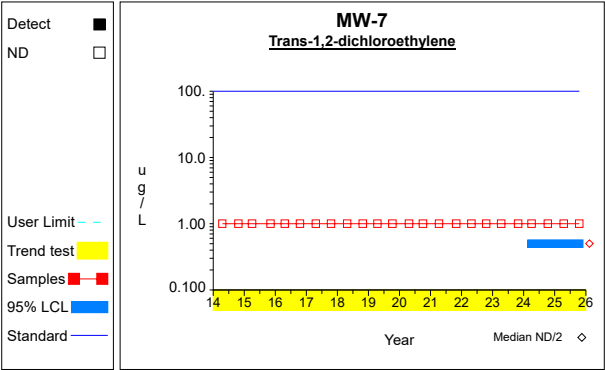
Graph 32



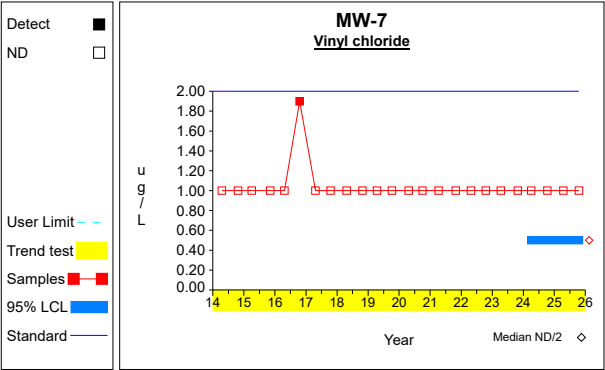
Graph 33



Graph 34

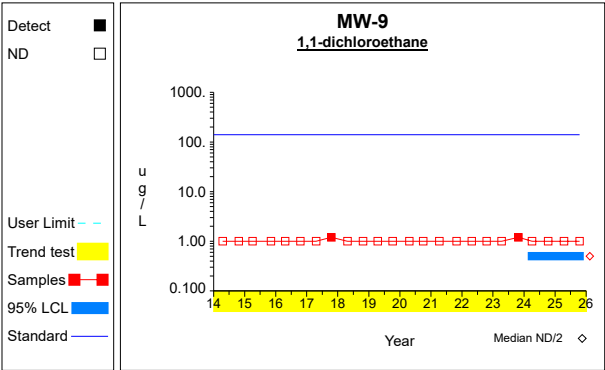


Graph 35

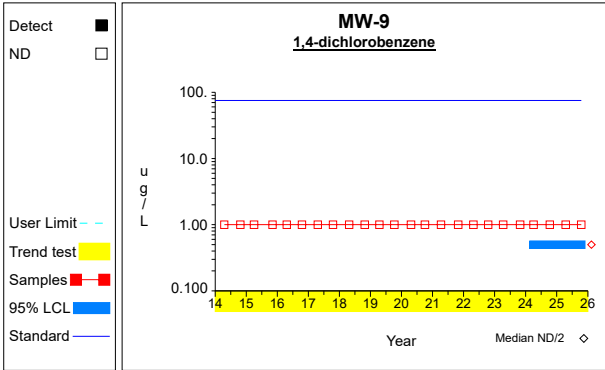


Graph 36

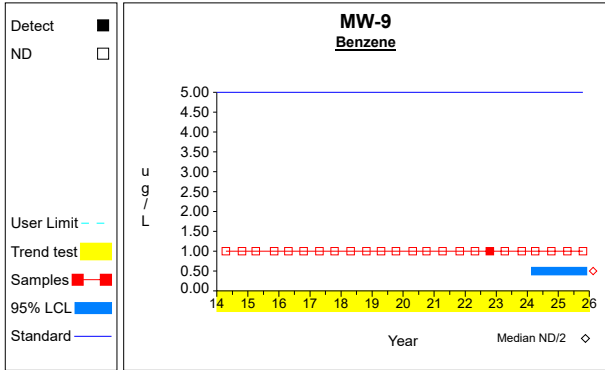
Confidence Limits (Assessment)



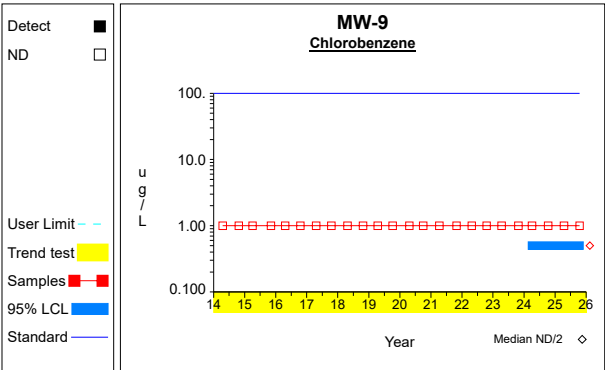
Graph 37



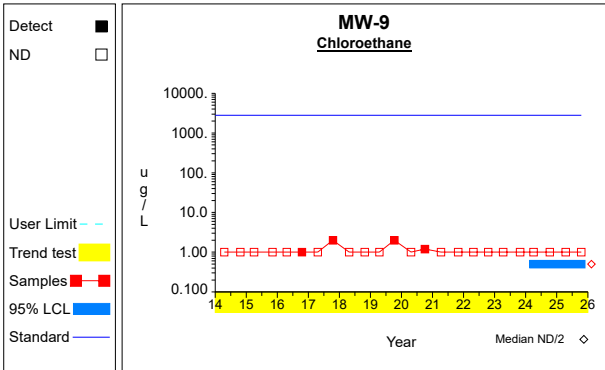
Graph 38



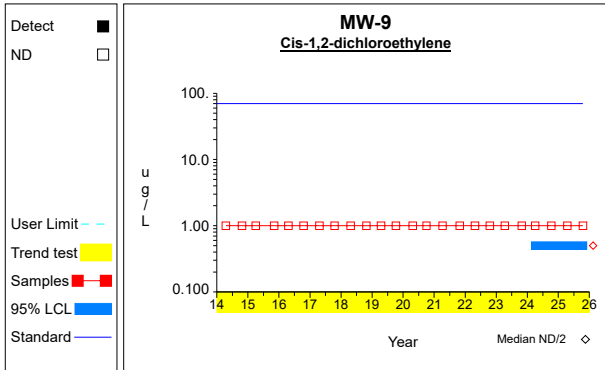
Graph 39



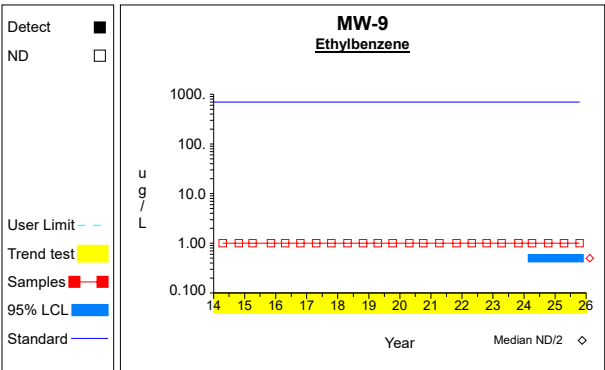
Graph 40



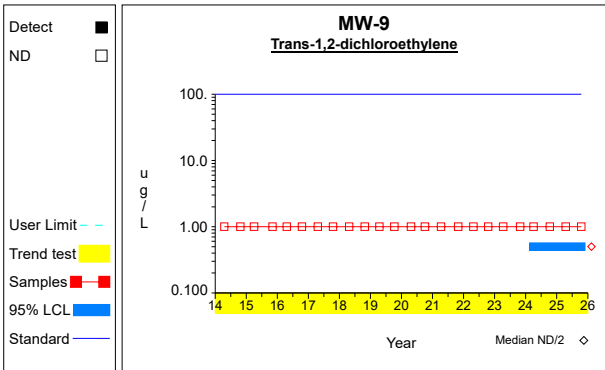
Graph 41



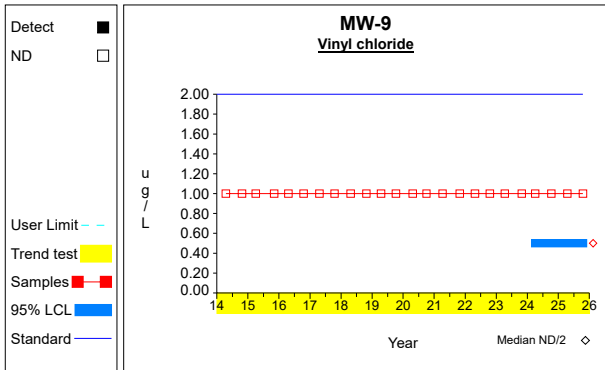
Graph 42



Graph 43



Graph 44



Graph 45

Appendix C

Laboratory Reports



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1ID1594

Project Description

6006

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Tisdale

Customer Relationship Specialist

Friday, June 27, 2025

Please find enclosed the analytical results for the samples you submitted to Microbac Laboratories. Review and compilation of your report was completed by Microbac Laboratories, Inc., Newton. If you have any questions, comments, or require further assistance regarding this report, please contact your service representative listed above.

I certify that all test results meet all of the requirements of the accrediting authority listed within this report. Analytical results are reported on a 'as received' basis unless specified otherwise. Analytical results for solids with units ending in (dry) are reported on a dry weight basis. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of Microbac Laboratories. The reported results are related only to the samples analyzed as received.

Microbac Laboratories, Inc.

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1ID1594

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: 6006

Project / PO Number: N/A
Received: 04/16/2025
Reported: 06/27/2025

Sample Summary Report

<u>Sample Name</u>	<u>Laboratory ID</u>	<u>Client Matrix</u>	<u>Sample Type</u>	<u>Sample Begin</u>	<u>Sample Taken</u>	<u>Lab Received</u>
MW-36 (B)	1ID1594-01	Aqueous	GRAB		04/15/25 09:46	04/16/25 09:50
MW-37 (B)	1ID1594-02	Aqueous	GRAB		04/15/25 09:59	04/16/25 09:50
MW-39 (B)	1ID1594-03	Aqueous	GRAB		04/15/25 09:25	04/16/25 09:50
MW-40 (B)	1ID1594-04	Aqueous	GRAB		04/15/25 10:18	04/16/25 09:50
MW-47 (B)	1ID1594-05	Aqueous	GRAB		04/15/25 10:49	04/16/25 09:50
MW-48A	1ID1594-06	Aqueous	GRAB		04/15/25 13:52	04/16/25 09:50
MW-49A	1ID1594-07	Aqueous	GRAB		04/15/25 14:18	04/16/25 09:50
MW-50	1ID1594-08	Aqueous	GRAB		04/15/25 11:16	04/16/25 09:50
MW-51	1ID1594-09	Aqueous	GRAB		04/15/25 11:34	04/16/25 09:50
MW-7	1ID1594-10	Aqueous	GRAB		04/15/25 12:30	04/16/25 09:50
MW-9	1ID1594-11	Aqueous	GRAB		04/15/25 12:50	04/16/25 09:50
MW-13R	1ID1594-12	Aqueous	GRAB		04/15/25 14:40	04/16/25 09:50
MW-14	1ID1594-13	Aqueous	GRAB		04/15/25 14:55	04/16/25 09:50
MW-29	1ID1594-14	Aqueous	GRAB		04/15/25 15:40	04/16/25 09:50
MW-31R	1ID1594-15	Aqueous	GRAB		04/15/25 13:21	04/16/25 09:50
MW-33	1ID1594-16	Aqueous	GRAB		04/15/25 12:19	04/16/25 09:50
MW-35R	1ID1594-17	Aqueous	GRAB		04/15/25 15:25	04/16/25 09:50
MW-211	1ID1594-18	Aqueous	GRAB		04/15/25 13:07	04/16/25 09:50
GU-3	1ID1594-19	Aqueous	GRAB		04/15/25 11:04	04/16/25 09:50
Tile ACM-1	1ID1594-20	Aqueous	GRAB		04/15/25 15:09	04/16/25 09:50
PECS-1	1ID1594-21	Aqueous	GRAB		04/15/25 12:06	04/16/25 09:50
MW-7A North	1ID1594-22	Aqueous	GRAB		04/15/25 11:52	04/16/25 09:50
MW-7B Northwest	1ID1594-23	Aqueous	GRAB		04/15/25 11:56	04/16/25 09:50
Field Duplicate	1ID1594-24	Aqueous	GRAB		04/15/25 11:07	04/16/25 09:50



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1ID1594

Analytical Testing Parameters

Client Sample ID:	MW-36 (B)	Collected By:	JGH
Sample Matrix:	Aqueous	Collection Date:	04/15/2025 9:46
Lab Sample ID:	1ID1594-01		

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
Bromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
Chloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
Acetone	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1210	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1210	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
Chloroform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
Benzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
Dibromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
Toluene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/24/25 0000	04/24/25 2126	RAF
Xylenes, total	<2.0	2.0	ug/L		04/17/25 0000	04/17/25 2138	RAF

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-36 (B)
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-01

Collected By: JGH
Collection Date: 04/15/2025 9:46

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
Styrene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
Bromoform		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
1,2,3-Trichloropropane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/24/25 0000	04/24/25 2126	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2138	RAF
Surrogate: Dibromofluoromethane	76.9	Limit: 57-134	% Rec			04/18/25 0000	04/18/25 1210	RAF
Surrogate: Dibromofluoromethane	76.9	Limit: 57-134	% Rec			04/18/25 0000	04/18/25 1210	RAF
Surrogate: Dibromofluoromethane	108	Limit: 75-136	% Rec			04/24/25 0000	04/24/25 2126	RAF
Surrogate: Dibromofluoromethane	81.1	Limit: 75-136	% Rec			04/17/25 0000	04/17/25 2138	RAF
Surrogate: 1,2-Dichloroethane-d4	71.3	Limit: 53-140	% Rec			04/18/25 0000	04/18/25 1210	RAF
Surrogate: 1,2-Dichloroethane-d4	110	Limit: 61-142	% Rec			04/24/25 0000	04/24/25 2126	RAF
Surrogate: 1,2-Dichloroethane-d4	71.3	Limit: 53-140	% Rec			04/18/25 0000	04/18/25 1210	RAF
Surrogate: 1,2-Dichloroethane-d4	75.5	Limit: 61-142	% Rec			04/17/25 0000	04/17/25 2138	RAF
Surrogate: Toluene-d8	107	Limit: 86-114	% Rec			04/18/25 0000	04/18/25 1210	RAF
Surrogate: Toluene-d8	107	Limit: 86-114	% Rec			04/18/25 0000	04/18/25 1210	RAF
Surrogate: Toluene-d8	104	Limit: 82-121	% Rec			04/24/25 0000	04/24/25 2126	RAF
Surrogate: Toluene-d8	107	Limit: 82-121	% Rec			04/17/25 0000	04/17/25 2138	RAF
Surrogate: 4-Bromofluorobenzene	90.5	Limit: 78-121	% Rec			04/18/25 0000	04/18/25 1210	RAF
Surrogate: 4-Bromofluorobenzene	90.5	Limit: 78-121	% Rec			04/18/25 0000	04/18/25 1210	RAF
Surrogate: 4-Bromofluorobenzene	95.3	Limit: 80-116	% Rec			04/24/25 0000	04/24/25 2126	RAF
Surrogate: 4-Bromofluorobenzene	92.3	Limit: 80-116	% Rec			04/17/25 0000	04/17/25 2138	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1318	RVV
Arsenic, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1318	RVV
Barium, total	0.331		0.0010	mg/L		06/02/25 1630	06/21/25 1318	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1318	RVV
Cadmium, total	0.0002		0.0002	mg/L		06/02/25 1630	06/21/25 1318	RVV
Chromium, total	0.0014		0.0010	mg/L		06/02/25 1630	06/21/25 1318	RVV
Cobalt, total	0.0020		0.0005	mg/L		06/02/25 1630	06/21/25 1318	RVV
Copper, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1318	RVV
Lead, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1318	RVV
Nickel, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1318	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1318	RVV
Silver, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1318	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1318	RVV
Vanadium, total	0.0021		0.0020	mg/L		06/02/25 1630	06/21/25 1318	RVV
Zinc, total	0.0054		0.0050	mg/L		06/02/25 1630	06/21/25 1318	RVV

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-37 (B)
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-02

Collected By: JGH
Collection Date: 04/15/2025 9:59

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Bromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Chloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Acetone	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1232	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Chloroform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Benzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Dibromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Toluene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Xylenes, total	<2.0	2.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Styrene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Bromoform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF

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CERTIFICATE OF ANALYSIS

11D1594

Client Sample ID: MW-37 (B)
Sample Matrix: Aqueous
Lab Sample ID: 11D1594-02

Collected By: JGH
Collection Date: 04/15/2025 9:59

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/24/25 0000	04/24/25 2148	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2200	RAF
Surrogate: Dibromofluoromethane	76.7	Limit: 57-134	% Rec			04/18/25 0000	04/18/25 1232	RAF
Surrogate: Dibromofluoromethane	107	Limit: 75-136	% Rec			04/24/25 0000	04/24/25 2148	RAF
Surrogate: Dibromofluoromethane	81.6	Limit: 75-136	% Rec			04/17/25 0000	04/17/25 2200	RAF
Surrogate: 1,2-Dichloroethane-d4	70.4	Limit: 53-140	% Rec			04/18/25 0000	04/18/25 1232	RAF
Surrogate: 1,2-Dichloroethane-d4	112	Limit: 61-142	% Rec			04/24/25 0000	04/24/25 2148	RAF
Surrogate: 1,2-Dichloroethane-d4	75.8	Limit: 61-142	% Rec			04/17/25 0000	04/17/25 2200	RAF
Surrogate: Toluene-d8	110	Limit: 86-114	% Rec			04/18/25 0000	04/18/25 1232	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec			04/24/25 0000	04/24/25 2148	RAF
Surrogate: Toluene-d8	108	Limit: 82-121	% Rec			04/17/25 0000	04/17/25 2200	RAF
Surrogate: 4-Bromofluorobenzene	96.1	Limit: 80-116	% Rec			04/24/25 0000	04/24/25 2148	RAF
Surrogate: 4-Bromofluorobenzene	92.1	Limit: 78-121	% Rec			04/18/25 0000	04/18/25 1232	RAF
Surrogate: 4-Bromofluorobenzene	90.4	Limit: 80-116	% Rec			04/17/25 0000	04/17/25 2200	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1328	RVV
Arsenic, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1328	RVV
Barium, total	0.0439		0.0010	mg/L		06/02/25 1630	06/21/25 1328	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1328	RVV
Cadmium, total		<0.0002	0.0002	mg/L		06/02/25 1630	06/21/25 1328	RVV
Chromium, total	0.0021		0.0010	mg/L		06/02/25 1630	06/21/25 1328	RVV
Cobalt, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1328	RVV
Copper, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1328	RVV
Lead, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1328	RVV
Nickel, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1328	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1328	RVV
Silver, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1328	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1328	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1328	RVV
Zinc, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1328	RVV

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-39 (B)
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-03

Collected By: JGH
Collection Date: 04/15/2025 9:25

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Bromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Chloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Acetone	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1255	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Chloroform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Benzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Dibromomethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Toluene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Xylenes, total	<2.0	2.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Styrene	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Bromoform	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF

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CERTIFICATE OF ANALYSIS

11D1594

Client Sample ID: MW-39 (B)
Sample Matrix: Aqueous
Lab Sample ID: 11D1594-03

Collected By: JGH
Collection Date: 04/15/2025 9:25

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/17/25 0000	04/17/25 2223	RAF
Surrogate: Dibromofluoromethane	80.3	Limit: 57-134	% Rec			04/18/25 0000	04/18/25 1255	RAF
Surrogate: Dibromofluoromethane	83.9	Limit: 75-136	% Rec			04/17/25 0000	04/17/25 2223	RAF
Surrogate: 1,2-Dichloroethane-d4	73.8	Limit: 53-140	% Rec			04/18/25 0000	04/18/25 1255	RAF
Surrogate: 1,2-Dichloroethane-d4	77.0	Limit: 61-142	% Rec			04/17/25 0000	04/17/25 2223	RAF
Surrogate: Toluene-d8	105	Limit: 86-114	% Rec			04/18/25 0000	04/18/25 1255	RAF
Surrogate: Toluene-d8	107	Limit: 82-121	% Rec			04/17/25 0000	04/17/25 2223	RAF
Surrogate: 4-Bromofluorobenzene	90.3	Limit: 78-121	% Rec			04/18/25 0000	04/18/25 1255	RAF
Surrogate: 4-Bromofluorobenzene	90.6	Limit: 80-116	% Rec			04/17/25 0000	04/17/25 2223	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1330	RVV
Arsenic, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1330	RVV
Barium, total	0.287		0.0010	mg/L		06/02/25 1630	06/21/25 1330	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1330	RVV
Cadmium, total		<0.0002	0.0002	mg/L		06/02/25 1630	06/21/25 1330	RVV
Chromium, total	0.0012		0.0010	mg/L		06/02/25 1630	06/21/25 1330	RVV
Cobalt, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1330	RVV
Copper, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1330	RVV
Lead, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1330	RVV
Nickel, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1330	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1330	RVV
Silver, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1330	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1330	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1330	RVV
Zinc, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1330	RVV

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-40 (B)
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-04

Collected By: JGH
Collection Date: 04/15/2025 10:18

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Bromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Chloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Acetone	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Chloroform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Benzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Dibromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Toluene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Xylenes, total	<2.0	2.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Styrene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Bromoform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-40 (B)
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-04

Collected By: JGH
Collection Date: 04/15/2025 10:18

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1317	RAF
Surrogate: Dibromofluoromethane	75.2	Limit: 57-134	% Rec			04/18/25 0000	04/18/25 1317	RAF
Surrogate: Dibromofluoromethane	75.2	Limit: 75-136	% Rec			04/18/25 0000	04/18/25 1317	RAF
Surrogate: 1,2-Dichloroethane-d4	64.4	Limit: 53-140	% Rec			04/18/25 0000	04/18/25 1317	RAF
Surrogate: 1,2-Dichloroethane-d4	64.4	Limit: 61-142	% Rec			04/18/25 0000	04/18/25 1317	RAF
Surrogate: Toluene-d8	108	Limit: 86-114	% Rec			04/18/25 0000	04/18/25 1317	RAF
Surrogate: Toluene-d8	108	Limit: 82-121	% Rec			04/18/25 0000	04/18/25 1317	RAF
Surrogate: 4-Bromofluorobenzene	90.5	Limit: 78-121	% Rec			04/18/25 0000	04/18/25 1317	RAF
Surrogate: 4-Bromofluorobenzene	90.5	Limit: 80-116	% Rec			04/18/25 0000	04/18/25 1317	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1333	RVV
Arsenic, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1333	RVV
Barium, total	0.0467	0.0010	mg/L			06/02/25 1630	06/21/25 1333	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1333	RVV
Cadmium, total		<0.0002	0.0002	mg/L		06/02/25 1630	06/21/25 1333	RVV
Chromium, total	0.0012	0.0010	mg/L			06/02/25 1630	06/21/25 1333	RVV
Cobalt, total	0.0032	0.0005	mg/L			06/02/25 1630	06/21/25 1333	RVV
Copper, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1333	RVV
Lead, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1333	RVV
Nickel, total	0.0163	0.0050	mg/L			06/02/25 1630	06/21/25 1333	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1333	RVV
Silver, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1333	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1333	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1333	RVV
Zinc, total	0.0070	0.0050	mg/L			06/02/25 1630	06/21/25 1333	RVV

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-47 (B)
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-05

Collected By: JGH
Collection Date: 04/15/2025 10:49

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Bromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Chloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Acetone	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Chloroform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Benzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Dibromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Toluene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Xylenes, total	<2.0	2.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Styrene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Bromoform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF

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CERTIFICATE OF ANALYSIS

11D1594

Client Sample ID: MW-47 (B)
Sample Matrix: Aqueous
Lab Sample ID: 11D1594-05

Collected By: JGH
Collection Date: 04/15/2025 10:49

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1340	RAF
Surrogate: Dibromofluoromethane	69.8	Limit: 57-134	% Rec			04/18/25 0000	04/18/25 1340	RAF
Surrogate: Dibromofluoromethane	69.8	Limit: 75-136	% Rec		S2	04/18/25 0000	04/18/25 1340	RAF
Surrogate: 1,2-Dichloroethane-d4	65.7	Limit: 53-140	% Rec			04/18/25 0000	04/18/25 1340	RAF
Surrogate: 1,2-Dichloroethane-d4	65.7	Limit: 61-142	% Rec			04/18/25 0000	04/18/25 1340	RAF
Surrogate: Toluene-d8	106	Limit: 86-114	% Rec			04/18/25 0000	04/18/25 1340	RAF
Surrogate: Toluene-d8	106	Limit: 82-121	% Rec			04/18/25 0000	04/18/25 1340	RAF
Surrogate: 4-Bromofluorobenzene	89.2	Limit: 78-121	% Rec			04/18/25 0000	04/18/25 1340	RAF
Surrogate: 4-Bromofluorobenzene	89.2	Limit: 80-116	% Rec			04/18/25 0000	04/18/25 1340	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1335	RVV
Arsenic, total	0.311		0.0020	mg/L		06/02/25 1630	06/21/25 1335	RVV
Barium, total	0.985		0.0010	mg/L		06/02/25 1630	06/21/25 1335	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1335	RVV
Cadmium, total		<0.0002	0.0002	mg/L		06/02/25 1630	06/21/25 1335	RVV
Chromium, total	0.0013		0.0010	mg/L		06/02/25 1630	06/21/25 1335	RVV
Cobalt, total	0.0024		0.0005	mg/L		06/02/25 1630	06/21/25 1335	RVV
Copper, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1335	RVV
Lead, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1335	RVV
Nickel, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1335	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1335	RVV
Silver, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1335	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1335	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1335	RVV
Zinc, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1335	RVV

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-48A
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-06

Collected By: JGH
Collection Date: 04/15/2025 13:52

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Dichlorodifluoromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Chloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Bromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Chloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Acrolein	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Acetone	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Methyl Iodide	<2.0	2.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Acetonitrile	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
2,2-Dichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
2-Butanone (MEK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Chloroform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
1,1-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Benzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Dibromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Toluene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Ethyl Methacrylate	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
1,3-Dichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-48A
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-06

Collected By: JGH
Collection Date: 04/15/2025 13:52

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Chlorobenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Xylenes, total	<2.0	2.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Styrene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Bromoform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
1,3-Dichlorobenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1402	RAF
Allyl chloride	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1600	RAF
Chloroprene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1600	RAF
Methacrylonitrile	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1600	RAF
Methyl Methacrylate	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1600	RAF
Propionitrile	<10.0	10.0	ug/L		04/21/25 0000	04/21/25 1600	RAF
Surrogate: Dibromofluoromethane	100	Limit: 57-134	% Rec		04/21/25 0000	04/21/25 1600	RAF
Surrogate: Dibromofluoromethane	76.5	Limit: 57-134	% Rec		04/18/25 0000	04/18/25 1402	RAF
Surrogate: 1,2-Dichloroethane-d4	69.8	Limit: 53-140	% Rec		04/18/25 0000	04/18/25 1402	RAF
Surrogate: 1,2-Dichloroethane-d4	96.0	Limit: 53-140	% Rec		04/21/25 0000	04/21/25 1600	RAF
Surrogate: 1,2-Dichloroethane-d4	69.8	Limit: 53-140	% Rec		04/18/25 0000	04/18/25 1402	RAF
Surrogate: Toluene-d8	97.6	Limit: 86-114	% Rec		04/21/25 0000	04/21/25 1600	RAF
Surrogate: Toluene-d8	107	Limit: 86-114	% Rec		04/18/25 0000	04/18/25 1402	RAF
Surrogate: Toluene-d8	107	Limit: 86-114	% Rec		04/18/25 0000	04/18/25 1402	RAF
Surrogate: 4-Bromofluorobenzene	91.2	Limit: 78-121	% Rec		04/18/25 0000	04/18/25 1402	RAF
Surrogate: 4-Bromofluorobenzene	97.6	Limit: 78-121	% Rec		04/21/25 0000	04/21/25 1600	RAF
Surrogate: 4-Bromofluorobenzene	91.2	Limit: 78-121	% Rec		04/18/25 0000	04/18/25 1402	RAF

Determination of General Solvents	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 8015C							
Isobutanol	<1.0	1.0	mg/L		04/28/25 1509	04/28/25 2239	PDS

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3520C/EPA 8270C							
N-Nitrosodimethylamine	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Methyl Methanesulfonate	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
N-Nitrosodiethylamine	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
N-Nitrosomethylethylamine	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Ethyl Methanesulfonate	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Phenol	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-48A
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-06

Collected By: JGH
Collection Date: 04/15/2025 13:52

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Bis(2-Chloroethyl) Ether	<8	8	ug/L	Q8	04/21/25 1131	04/29/25 1607	EPP
2-Chlorophenol	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Benzyl Alcohol	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
2-Methylphenol (o-Cresol)	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Bis[2-Chloroisopropyl]ether	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
n-Nitroso-di-n-propylamine	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
N-Nitrosopyrrolidine	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Acetophenone	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
o-Toluidine	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
(3 & 4)-Methylphenol	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Hexachloroethane	<8	8	ug/L	Q8	04/21/25 1131	04/29/25 1607	EPP
Nitrobenzene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
N-Nitrosopiperidine	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Isophorone	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
2-Nitrophenol	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
2,4-Dimethylphenol	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Bis (2-Chloroethoxy) Methane	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
2,4-Dichlorophenol	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Naphthalene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
4-Chloroaniline	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
2,6-Dichlorophenol	<8	8	ug/L	Q8	04/21/25 1131	04/29/25 1607	EPP
Hexachloropropene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Hexachlorobutadiene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
N-Nitrosodi-n-butylamine	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
1,4-Phenylenediamine	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
4-Chloro-3-methylphenol	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
2-Methylnaphthalene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Isosafrole	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Hexachlorocyclopentadiene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
2,4,6-Trichlorophenol	<8	8	ug/L	Q8	04/21/25 1131	04/29/25 1607	EPP
2,4,5-Trichlorophenol	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Safrole	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
2-Chloronaphthalene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
2-Nitroaniline	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
1,4-Naphthoquinone	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Dimethylphthalate	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
1,3-Dinitrobenzene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
1,2-Dinitrobenzene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
2,6-Dinitrotoluene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Acenaphthylene	<8	8	ug/L	Q8	04/21/25 1131	04/29/25 1607	EPP
3-Nitroaniline	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Acenaphthene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-48A
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-06

Collected By: JGH
Collection Date: 04/15/2025 13:52

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
2,4-Dinitrophenol	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
4-Nitrophenol	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Dibenzofuran	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
2,4-Dinitrotoluene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
2,3,4,6-Tetrachlorophenol	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Pentachlorobenzene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
1-Naphthylamine	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
2-Naphthylamine	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Diethyl Phthalate	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Fluorene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
4-Chlorophenyl Phenyl Ether	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
4-Nitroaniline	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
5-Nitro-o-toluidine	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
4,6-Dinitro-2-methylphenol	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
N-Nitrosodiphenylamine	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Diphenylamine	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Azobenzene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Diallate	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
1,3,5-Trinitrobenzene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Phenacetin	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
4-Bromophenyl Phenyl Ether	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
4-Aminobiphenyl	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Pentachlorophenol	<8	8	ug/L	Q8	04/21/25 1131	04/29/25 1607	EPP
Pronamide	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Pentachloronitrobenzene (PCNB)	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Phenanthrene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Anthracene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Di-n-butyl Phthalate	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Methapyrilene	<8	8	ug/L	Q8	04/21/25 1131	04/29/25 1607	EPP
Fluoranthene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Isodrin	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Chlorobenzilate	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Pyrene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
p-(Dimethylamino)azobenzene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
3,3-Dimethylbenzidine	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Butyl Benzyl Phthalate	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Benzo(a)anthracene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Chrysene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Bis(2-Ethylhexyl) Phthalate	<6	6	ug/L		04/21/25 1131	04/29/25 1607	EPP
Kepone	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
3,3'-Dichlorobenzidine	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
2-Acetylaminofluorene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Di-n-octyl Phthalate	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP

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CERTIFICATE OF ANALYSIS

11D1594

Client Sample ID: MW-48A
Sample Matrix: Aqueous
Lab Sample ID: 11D1594-06

Collected By: JGH
Collection Date: 04/15/2025 13:52

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst

Benzo(b)Fluoranthene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Benzo(k)Fluoranthene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Benzo(a)Pyrene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
3-Methylcholanthrene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Dibenzo(a,h)anthracene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Indeno(1,2,3-cd)Pyrene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Benzo(g,h,i)perylene	<8	8	ug/L		04/21/25 1131	04/29/25 1607	EPP
Surrogate: 2-Fluorophenol	83.2	Limit: 10-159	% Rec		04/21/25 1131	04/29/25 1607	EPP
Surrogate: Phenol-d6	84.6	Limit: 10-162	% Rec		04/21/25 1131	04/29/25 1607	EPP
Surrogate: Nitrobenzene-d5	106	Limit: 17-154	% Rec		04/21/25 1131	04/29/25 1607	EPP
Surrogate: 2-Fluorobiphenyl	109	Limit: 15-150	% Rec		04/21/25 1131	04/29/25 1607	EPP
Surrogate: 2,4,6-Tribromophenol	164	Limit: 10-156	% Rec	S1	04/21/25 1131	04/29/25 1607	EPP
Surrogate: Terphenyl-dl4	81.4	Limit: 10-179	% Rec		04/21/25 1131	04/29/25 1607	EPP

Determination of Organophosphorus Insecticides	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 3510C/EPA 8141

O,O,O-Triethyl phosphorothioate	<0.4	0.4	ug/L		04/17/25 1443	04/21/25 1455	EPP
Thionazin	<0.4	0.4	ug/L		04/17/25 1443	04/21/25 1455	EPP
Phorate	<0.4	0.4	ug/L		04/17/25 1443	04/21/25 1455	EPP
Dimethoate	<0.4	0.4	ug/L		04/17/25 1443	04/21/25 1455	EPP
Disulfoton	<0.4	0.4	ug/L		04/17/25 1443	04/21/25 1455	EPP
Methyl Parathion	<0.4	0.4	ug/L		04/17/25 1443	04/21/25 1455	EPP
Parathion	<0.4	0.4	ug/L		04/17/25 1443	04/21/25 1455	EPP
Famphur	<0.4	0.4	ug/L		04/17/25 1443	04/21/25 1455	EPP
Surrogate: 2-Nitro-m-xylene	60.2	Limit: 32-110	% Rec		04/17/25 1443	04/21/25 1455	EPP

Determination of Chlorinated Phenoxy Herbicides	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 8151A

2,4-D	<2.0	2.0	ug/L		04/21/25 1214	04/24/25 1527	PDS
2,4,5-TP (Silvex)	<0.5	0.5	ug/L		04/21/25 1214	04/24/25 1527	PDS
2,4,5-T	<0.5	0.5	ug/L		04/21/25 1214	04/24/25 1527	PDS
Dinoseb	<0.5	0.5	ug/L		04/21/25 1214	04/24/25 1527	PDS
Surrogate: 2,5-Dichlorobenzoic Acid	90.0	Limit: 49-174	% Rec		04/21/25 1214	04/24/25 1527	PDS

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 3510C/EPA 8081

Alpha-BHC	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1444	EPP
Gamma-BHC [Lindane]	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1444	EPP
Beta-BHC	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1444	EPP
Heptachlor	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1444	EPP



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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-48A
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-06

Collected By: JGH
Collection Date: 04/15/2025 13:52

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Note	Prepared	Analyzed	Analyst

Delta-BHC	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1444	EPP
Aldrin	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1444	EPP
Heptachlor Epoxide	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1444	EPP
Endosulfan I	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1444	EPP
4,4`-DDE	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1444	EPP
Dieldrin	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1444	EPP
Endrin	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1444	EPP
4,4`-DDD	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1444	EPP
Endosulfan II	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1444	EPP
4,4`-DDT	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1444	EPP
Endrin Aldehyde	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1444	EPP
Endosulfan Sulfate	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1444	EPP
Methoxychlor	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1444	EPP
Chlordane	<0.10	0.10	ug/L		04/17/25 1441	04/21/25 1444	EPP
Toxaphene	<0.20	0.20	ug/L		04/17/25 1441	04/21/25 1444	EPP
Hexachlorobenzene	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1444	EPP
Surrogate: Tetrachloro-m-xylene	67.9	Limit: 45-111	% Rec		04/17/25 1441	04/21/25 1444	EPP

Determination of Polychlorinated Biphenyls (PCB)	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 3510C/EPA 8082

Arochlor 1016	<0.20	0.20	ug/L		04/17/25 1437	04/21/25 1444	EPP
Arochlor 1221	<0.20	0.20	ug/L		04/17/25 1437	04/21/25 1444	EPP
Arochlor 1232	<0.20	0.20	ug/L		04/17/25 1437	04/21/25 1444	EPP
Arochlor 1242	<0.20	0.20	ug/L		04/17/25 1437	04/21/25 1444	EPP
Arochlor 1248	<0.20	0.20	ug/L		04/17/25 1437	04/21/25 1444	EPP
Arochlor 1254	<0.20	0.20	ug/L		04/17/25 1437	04/21/25 1444	EPP
Arochlor 1260	<0.20	0.20	ug/L		04/17/25 1437	04/21/25 1444	EPP
Surrogate: Tetrachloro-m-xylene	76.6	Limit: 50-116	% Rec		04/17/25 1437	04/21/25 1444	EPP
Surrogate: Decachlorobiphenyl	34.7	Limit: 38-122	% Rec	S2	04/17/25 1437	04/21/25 1444	EPP

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 376.2

Sulfide, total	0.12	0.10	mg/L		04/17/25 1524	04/17/25 1658	AKK

EPA 9014

Cyanide, total	<0.010	0.010	mg/L		04/21/25 1241	04/23/25 1452	CES

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 3005A/EPA 6020A

Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1338	RVV
Arsenic, total	0.0133	0.0020	mg/L		06/02/25 1630	06/21/25 1338	RVV
Barium, total	0.231	0.0010	mg/L		06/02/25 1630	06/21/25 1338	RVV

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID:	MW-48A	Collected By:	JGH
Sample Matrix:	Aqueous	Collection Date:	04/15/2025 13:52
Lab Sample ID:	1ID1594-06		

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1338	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1630	06/21/25 1338	RVV
Chromium, total	0.0017	0.0010	mg/L		06/02/25 1630	06/21/25 1338	RVV
Cobalt, total	0.0007	0.0005	mg/L		06/02/25 1630	06/21/25 1338	RVV
Copper, total	<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1338	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1338	RVV
Nickel, total	<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1338	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1338	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1338	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1338	RVV
Tin, total	<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1338	RVV
Vanadium, total	0.0022	0.0020	mg/L		06/02/25 1630	06/21/25 1338	RVV
Zinc, total	<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1338	RVV
EPA 7470A							
Mercury, total	<0.00050	0.00050	mg/L		04/22/25 0640	04/22/25 1430	RVV

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-49A
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-07

Collected By: JGH
Collection Date: 04/15/2025 14:18

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Dichlorodifluoromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Chloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Vinyl Chloride	4.5	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Bromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Chloroethane	3.8	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Acrolein	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Acetone	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Methyl Iodide	<2.0	2.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Acetonitrile	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
2,2-Dichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
cis-1,2-Dichloroethylene	5.2	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
2-Butanone (MEK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Chloroform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
1,1-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Benzene	4.6	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Dibromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Toluene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Ethyl Methacrylate	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
1,3-Dichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-49A
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-07

Collected By: JGH
Collection Date: 04/15/2025 14:18

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Chlorobenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Xylenes, total	<2.0	2.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Styrene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Bromoform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
1,3-Dichlorobenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1424	RAF
Allyl chloride	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1623	RAF
Chloroprene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1623	RAF
Methacrylonitrile	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1623	RAF
Methyl Methacrylate	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1623	RAF
Propionitrile	<10.0	10.0	ug/L		04/21/25 0000	04/21/25 1623	RAF
Surrogate: Dibromofluoromethane	74.7	Limit: 57-134	% Rec		04/18/25 0000	04/18/25 1424	RAF
Surrogate: Dibromofluoromethane	99.4	Limit: 57-134	% Rec		04/21/25 0000	04/21/25 1623	RAF
Surrogate: 1,2-Dichloroethane-d4	71.1	Limit: 53-140	% Rec		04/18/25 0000	04/18/25 1424	RAF
Surrogate: 1,2-Dichloroethane-d4	95.9	Limit: 53-140	% Rec		04/21/25 0000	04/21/25 1623	RAF
Surrogate: 1,2-Dichloroethane-d4	71.1	Limit: 53-140	% Rec		04/18/25 0000	04/18/25 1424	RAF
Surrogate: Toluene-d8	107	Limit: 86-114	% Rec		04/18/25 0000	04/18/25 1424	RAF
Surrogate: Toluene-d8	107	Limit: 86-114	% Rec		04/18/25 0000	04/18/25 1424	RAF
Surrogate: Toluene-d8	98.7	Limit: 86-114	% Rec		04/21/25 0000	04/21/25 1623	RAF
Surrogate: 4-Bromofluorobenzene	91.5	Limit: 78-121	% Rec		04/18/25 0000	04/18/25 1424	RAF
Surrogate: 4-Bromofluorobenzene	99.0	Limit: 78-121	% Rec		04/21/25 0000	04/21/25 1623	RAF
Surrogate: 4-Bromofluorobenzene	91.5	Limit: 78-121	% Rec		04/18/25 0000	04/18/25 1424	RAF

Determination of General Solvents	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 8015C							
Isobutanol	<1.0	1.0	mg/L		04/28/25 1509	04/28/25 2317	PDS

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3520C/EPA 8270C							
N-Nitrosodimethylamine	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Methyl Methanesulfonate	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
N-Nitrosodiethylamine	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
N-Nitrosomethylethylamine	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Ethyl Methanesulfonate	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Phenol	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP



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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-49A
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-07

Collected By: JGH
Collection Date: 04/15/2025 14:18

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Bis(2-Chloroethyl) Ether	<8	8	ug/L	Q8	04/21/25 1131	04/29/25 1632	EPP
2-Chlorophenol	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Benzyl Alcohol	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
2-Methylphenol (o-Cresol)	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Bis[2-Chloroisopropyl]ether	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
n-Nitroso-di-n-propylamine	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
N-Nitrosopyrrolidine	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Acetophenone	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
o-Toluidine	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
(3 & 4)-Methylphenol	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Hexachloroethane	<8	8	ug/L	Q8	04/21/25 1131	04/29/25 1632	EPP
Nitrobenzene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
N-Nitrosopiperidine	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Isophorone	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
2-Nitrophenol	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
2,4-Dimethylphenol	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Bis (2-Chloroethoxy) Methane	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
2,4-Dichlorophenol	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Naphthalene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
4-Chloroaniline	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
2,6-Dichlorophenol	<8	8	ug/L	Q8	04/21/25 1131	04/29/25 1632	EPP
Hexachloropropene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Hexachlorobutadiene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
N-Nitrosodi-n-butylamine	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
1,4-Phenylenediamine	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
4-Chloro-3-methylphenol	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
2-Methylnaphthalene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Isosafrole	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Hexachlorocyclopentadiene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
2,4,6-Trichlorophenol	<8	8	ug/L	Q8	04/21/25 1131	04/29/25 1632	EPP
2,4,5-Trichlorophenol	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Safrole	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
2-Chloronaphthalene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
2-Nitroaniline	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
1,4-Naphthoquinone	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Dimethylphthalate	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
1,3-Dinitrobenzene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
1,2-Dinitrobenzene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
2,6-Dinitrotoluene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Acenaphthylene	<8	8	ug/L	Q8	04/21/25 1131	04/29/25 1632	EPP
3-Nitroaniline	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Acenaphthene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-49A
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-07

Collected By: JGH
Collection Date: 04/15/2025 14:18

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
2,4-Dinitrophenol	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
4-Nitrophenol	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Dibenzofuran	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
2,4-Dinitrotoluene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
2,3,4,6-Tetrachlorophenol	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Pentachlorobenzene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
1-Naphthylamine	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
2-Naphthylamine	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Diethyl Phthalate	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Fluorene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
4-Chlorophenyl Phenyl Ether	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
4-Nitroaniline	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
5-Nitro-o-toluidine	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
4,6-Dinitro-2-methylphenol	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
N-Nitrosodiphenylamine	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Diphenylamine	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Azobenzene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Diallate	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
1,3,5-Trinitrobenzene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Phenacetin	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
4-Bromophenyl Phenyl Ether	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
4-Aminobiphenyl	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Pentachlorophenol	<8	8	ug/L	Q8	04/21/25 1131	04/29/25 1632	EPP
Pronamide	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Pentachloronitrobenzene (PCNB)	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Phenanthrene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Anthracene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Di-n-butyl Phthalate	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Methapyrilene	<8	8	ug/L	Q8	04/21/25 1131	04/29/25 1632	EPP
Fluoranthene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Isodrin	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Chlorobenzilate	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Pyrene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
p-(Dimethylamino)azobenzene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
3,3-Dimethylbenzidine	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Butyl Benzyl Phthalate	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Benzo(a)anthracene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Chrysene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Bis(2-Ethylhexyl) Phthalate	<6	6	ug/L		04/21/25 1131	04/29/25 1632	EPP
Kepone	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
3,3'-Dichlorobenzidine	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
2-Acetylaminofluorene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Di-n-octyl Phthalate	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP

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CERTIFICATE OF ANALYSIS

11D1594

Client Sample ID: MW-49A
Sample Matrix: Aqueous
Lab Sample ID: 11D1594-07

Collected By: JGH
Collection Date: 04/15/2025 14:18

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst

Benzo(b)Fluoranthene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Benzo(k)Fluoranthene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Benzo(a)Pyrene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
3-Methylcholanthrene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Dibenzo(a,h)anthracene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Indeno(1,2,3-cd)Pyrene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Benzo(g,h,i)perylene	<8	8	ug/L		04/21/25 1131	04/29/25 1632	EPP
Surrogate: 2-Fluorophenol	88.7	Limit: 10-159	% Rec		04/21/25 1131	04/29/25 1632	EPP
Surrogate: Phenol-d6	96.2	Limit: 10-162	% Rec		04/21/25 1131	04/29/25 1632	EPP
Surrogate: Nitrobenzene-d5	112	Limit: 17-154	% Rec		04/21/25 1131	04/29/25 1632	EPP
Surrogate: 2-Fluorobiphenyl	123	Limit: 15-150	% Rec		04/21/25 1131	04/29/25 1632	EPP
Surrogate: 2,4,6-Tribromophenol	175	Limit: 10-156	% Rec	S1	04/21/25 1131	04/29/25 1632	EPP
Surrogate: Terphenyl-dl4	109	Limit: 10-179	% Rec		04/21/25 1131	04/29/25 1632	EPP

Determination of Organophosphorus Insecticides	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 3510C/EPA 8141

O,O,O-Triethyl phosphorothioate	<0.4	0.4	ug/L		04/17/25 1443	04/21/25 1537	EPP
Thionazin	<0.4	0.4	ug/L		04/17/25 1443	04/21/25 1537	EPP
Phorate	<0.4	0.4	ug/L		04/17/25 1443	04/21/25 1537	EPP
Dimethoate	<0.4	0.4	ug/L		04/17/25 1443	04/21/25 1537	EPP
Disulfoton	<0.4	0.4	ug/L		04/17/25 1443	04/21/25 1537	EPP
Methyl Parathion	<0.4	0.4	ug/L		04/17/25 1443	04/21/25 1537	EPP
Parathion	<0.4	0.4	ug/L		04/17/25 1443	04/21/25 1537	EPP
Famphur	<0.4	0.4	ug/L		04/17/25 1443	04/21/25 1537	EPP
Surrogate: 2-Nitro-m-xylene	60.3	Limit: 32-110	% Rec		04/17/25 1443	04/21/25 1537	EPP

Determination of Chlorinated Phenoxy Herbicides	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 8151A

2,4-D	<2.0	2.0	ug/L		04/21/25 1214	04/24/25 1558	PDS
2,4,5-TP (Silvex)	<0.5	0.5	ug/L		04/21/25 1214	04/24/25 1558	PDS
2,4,5-T	<0.5	0.5	ug/L		04/21/25 1214	04/24/25 1558	PDS
Dinoseb	<0.5	0.5	ug/L		04/21/25 1214	04/24/25 1558	PDS
Surrogate: 2,5-Dichlorobenzoic Acid	90.3	Limit: 49-174	% Rec		04/21/25 1214	04/24/25 1558	PDS

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 3510C/EPA 8081

Alpha-BHC	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1459	EPP
Gamma-BHC [Lindane]	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1459	EPP
Beta-BHC	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1459	EPP
Heptachlor	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1459	EPP

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-49A
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-07

Collected By: JGH
Collection Date: 04/15/2025 14:18

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Note	Prepared	Analyzed	Analyst

Delta-BHC	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1459	EPP
Aldrin	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1459	EPP
Heptachlor Epoxide	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1459	EPP
Endosulfan I	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1459	EPP
4,4`-DDE	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1459	EPP
Dieldrin	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1459	EPP
Endrin	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1459	EPP
4,4`-DDD	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1459	EPP
Endosulfan II	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1459	EPP
4,4`-DDT	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1459	EPP
Endrin Aldehyde	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1459	EPP
Endosulfan Sulfate	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1459	EPP
Methoxychlor	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1459	EPP
Chlordane	<0.10	0.10	ug/L		04/17/25 1441	04/21/25 1459	EPP
Toxaphene	<0.20	0.20	ug/L		04/17/25 1441	04/21/25 1459	EPP
Hexachlorobenzene	<0.05	0.05	ug/L		04/17/25 1441	04/21/25 1459	EPP
Surrogate: Tetrachloro-m-xylene	75.5	Limit: 45-111	% Rec		04/17/25 1441	04/21/25 1459	EPP

Determination of Polychlorinated Biphenyls (PCB)	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 3510C/EPA 8082

Arochlor 1016	<0.20	0.20	ug/L		04/17/25 1437	04/21/25 1459	EPP
Arochlor 1221	<0.20	0.20	ug/L		04/17/25 1437	04/21/25 1459	EPP
Arochlor 1232	<0.20	0.20	ug/L		04/17/25 1437	04/21/25 1459	EPP
Arochlor 1242	<0.20	0.20	ug/L		04/17/25 1437	04/21/25 1459	EPP
Arochlor 1248	<0.20	0.20	ug/L		04/17/25 1437	04/21/25 1459	EPP
Arochlor 1254	<0.20	0.20	ug/L		04/17/25 1437	04/21/25 1459	EPP
Arochlor 1260	<0.20	0.20	ug/L		04/17/25 1437	04/21/25 1459	EPP
Surrogate: Tetrachloro-m-xylene	84.1	Limit: 50-116	% Rec		04/17/25 1437	04/21/25 1459	EPP
Surrogate: Decachlorobiphenyl	89.8	Limit: 38-122	% Rec		04/17/25 1437	04/21/25 1459	EPP

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 376.2

Sulfide, total	<0.10	0.10	mg/L		04/17/25 1524	04/17/25 1658	AKK

EPA 9014

Cyanide, total	<0.010	0.010	mg/L		04/21/25 1241	04/23/25 1452	CES

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 3005A/EPA 6020A

Antimony, total	<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1345	RVV
Arsenic, total	0.0362	0.0020	mg/L		06/02/25 1630	06/21/25 1345	RVV
Barium, total	0.722	0.0010	mg/L		06/02/25 1630	06/21/25 1345	RVV

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID:	MW-49A	Collected By:	JGH
Sample Matrix:	Aqueous	Collection Date:	04/15/2025 14:18
Lab Sample ID:	1ID1594-07		

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Beryllium, total	<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1345	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/02/25 1630	06/21/25 1345	RVV
Chromium, total	0.0012	0.0010	mg/L		06/02/25 1630	06/21/25 1345	RVV
Cobalt, total	0.0132	0.0005	mg/L		06/02/25 1630	06/21/25 1345	RVV
Copper, total	0.0093	0.0050	mg/L		06/02/25 1630	06/21/25 1345	RVV
Lead, total	<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1345	RVV
Nickel, total	0.0411	0.0050	mg/L		06/02/25 1630	06/21/25 1345	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1345	RVV
Silver, total	<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1345	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1345	RVV
Tin, total	<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1345	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1345	RVV
Zinc, total	0.0051	0.0050	mg/L		06/02/25 1630	06/21/25 1345	RVV
EPA 7470A							
Mercury, total	<0.00050	0.00050	mg/L		04/22/25 0640	04/22/25 1432	RVV

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-50
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-08

Collected By: JGH
Collection Date: 04/15/2025 11:16

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Bromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Chloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Acetone	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Chloroform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Benzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Dibromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Toluene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Xylenes, total	<2.0	2.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Styrene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Bromoform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF

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CERTIFICATE OF ANALYSIS

11D1594

Client Sample ID: MW-50
Sample Matrix: Aqueous
Lab Sample ID: 11D1594-08

Collected By: JGH
Collection Date: 04/15/2025 11:16

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1447	RAF
Surrogate: Dibromofluoromethane	76.0	Limit: 57-134	% Rec			04/18/25 0000	04/18/25 1447	RAF
Surrogate: Dibromofluoromethane	76.0	Limit: 75-136	% Rec			04/18/25 0000	04/18/25 1447	RAF
Surrogate: 1,2-Dichloroethane-d4	71.2	Limit: 53-140	% Rec			04/18/25 0000	04/18/25 1447	RAF
Surrogate: 1,2-Dichloroethane-d4	71.2	Limit: 61-142	% Rec			04/18/25 0000	04/18/25 1447	RAF
Surrogate: Toluene-d8	103	Limit: 86-114	% Rec			04/18/25 0000	04/18/25 1447	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec			04/18/25 0000	04/18/25 1447	RAF
Surrogate: 4-Bromofluorobenzene	85.0	Limit: 78-121	% Rec			04/18/25 0000	04/18/25 1447	RAF
Surrogate: 4-Bromofluorobenzene	85.0	Limit: 80-116	% Rec			04/18/25 0000	04/18/25 1447	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1348	RVV
Arsenic, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1348	RVV
Barium, total	0.624	0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1348	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1348	RVV
Cadmium, total		<0.0002	0.0002	mg/L		06/02/25 1630	06/21/25 1348	RVV
Chromium, total	0.0010	0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1348	RVV
Cobalt, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1348	RVV
Copper, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1348	RVV
Lead, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1348	RVV
Nickel, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1348	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1348	RVV
Silver, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1348	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1348	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1348	RVV
Zinc, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1348	RVV

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-51
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-09

Collected By: JGH
Collection Date: 04/15/2025 11:34

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Bromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Chloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Acetone	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Chloroform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Benzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Dibromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Toluene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Xylenes, total	<2.0	2.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Styrene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Bromoform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-51
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-09

Collected By: JGH
Collection Date: 04/15/2025 11:34

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1509	RAF
Surrogate: Dibromofluoromethane	76.1	Limit: 75-136	% Rec			04/18/25 0000	04/18/25 1509	RAF
Surrogate: Dibromofluoromethane	76.1	Limit: 57-134	% Rec			04/18/25 0000	04/18/25 1509	RAF
Surrogate: 1,2-Dichloroethane-d4	68.1	Limit: 53-140	% Rec			04/18/25 0000	04/18/25 1509	RAF
Surrogate: 1,2-Dichloroethane-d4	68.1	Limit: 61-142	% Rec			04/18/25 0000	04/18/25 1509	RAF
Surrogate: Toluene-d8	107	Limit: 86-114	% Rec			04/18/25 0000	04/18/25 1509	RAF
Surrogate: Toluene-d8	107	Limit: 82-121	% Rec			04/18/25 0000	04/18/25 1509	RAF
Surrogate: 4-Bromofluorobenzene	87.0	Limit: 80-116	% Rec			04/18/25 0000	04/18/25 1509	RAF
Surrogate: 4-Bromofluorobenzene	87.0	Limit: 78-121	% Rec			04/18/25 0000	04/18/25 1509	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1350	RVV
Arsenic, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1350	RVV
Barium, total	0.484	0.0010		mg/L		06/02/25 1630	06/21/25 1350	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1350	RVV
Cadmium, total		<0.0002	0.0002	mg/L		06/02/25 1630	06/21/25 1350	RVV
Chromium, total	0.0013	0.0010		mg/L		06/02/25 1630	06/21/25 1350	RVV
Cobalt, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1350	RVV
Copper, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1350	RVV
Lead, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1350	RVV
Nickel, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1350	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1350	RVV
Silver, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1350	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1350	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1350	RVV
Zinc, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1350	RVV

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-7
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-10

Collected By: JGH
Collection Date: 04/15/2025 12:30

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Bromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Chloroethane	4.5	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Acetone	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Chloroform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Benzene	1.2	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Dibromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Toluene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Xylenes, total	<2.0	2.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Styrene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Bromoform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF

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1ID1594

Client Sample ID: MW-7
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-10

Collected By: JGH
Collection Date: 04/15/2025 12:30

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1532	RAF
Surrogate: Dibromofluoromethane	74.1	Limit: 57-134	% Rec			04/18/25 0000	04/18/25 1532	RAF
Surrogate: Dibromofluoromethane	74.1	Limit: 75-136	% Rec		S2	04/18/25 0000	04/18/25 1532	RAF
Surrogate: 1,2-Dichloroethane-d4	69.5	Limit: 61-142	% Rec			04/18/25 0000	04/18/25 1532	RAF
Surrogate: 1,2-Dichloroethane-d4	69.5	Limit: 53-140	% Rec			04/18/25 0000	04/18/25 1532	RAF
Surrogate: Toluene-d8	104	Limit: 86-114	% Rec			04/18/25 0000	04/18/25 1532	RAF
Surrogate: Toluene-d8	104	Limit: 82-121	% Rec			04/18/25 0000	04/18/25 1532	RAF
Surrogate: 4-Bromofluorobenzene	90.3	Limit: 80-116	% Rec			04/18/25 0000	04/18/25 1532	RAF
Surrogate: 4-Bromofluorobenzene	90.3	Limit: 78-121	% Rec			04/18/25 0000	04/18/25 1532	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1353	RVV
Arsenic, total	0.608		0.0020	mg/L		06/02/25 1630	06/21/25 1353	RVV
Barium, total	0.643		0.0010	mg/L		06/02/25 1630	06/21/25 1353	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1353	RVV
Cadmium, total		<0.0002	0.0002	mg/L		06/02/25 1630	06/21/25 1353	RVV
Chromium, total	0.0011		0.0010	mg/L		06/02/25 1630	06/21/25 1353	RVV
Cobalt, total	0.0095		0.0005	mg/L		06/02/25 1630	06/21/25 1353	RVV
Copper, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1353	RVV
Lead, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1353	RVV
Nickel, total	0.0188		0.0050	mg/L		06/02/25 1630	06/21/25 1353	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1353	RVV
Silver, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1353	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1353	RVV
Vanadium, total	0.0031		0.0020	mg/L		06/02/25 1630	06/21/25 1353	RVV
Zinc, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1353	RVV

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-9
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-11

Collected By: JGH
Collection Date: 04/15/2025 12:50

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Bromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Chloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Acetone	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Chloroform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Benzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Dibromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Toluene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Xylenes, total	<2.0	2.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Styrene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Bromoform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-9
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-11

Collected By: JGH
Collection Date: 04/15/2025 12:50

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1554	RAF
Surrogate: Dibromofluoromethane	72.2	Limit: 57-134	% Rec			04/18/25 0000	04/18/25 1554	RAF
Surrogate: Dibromofluoromethane	72.2	Limit: 75-136	% Rec		S2	04/18/25 0000	04/18/25 1554	RAF
Surrogate: 1,2-Dichloroethane-d4	63.1	Limit: 61-142	% Rec			04/18/25 0000	04/18/25 1554	RAF
Surrogate: 1,2-Dichloroethane-d4	63.1	Limit: 53-140	% Rec			04/18/25 0000	04/18/25 1554	RAF
Surrogate: Toluene-d8	110	Limit: 86-114	% Rec			04/18/25 0000	04/18/25 1554	RAF
Surrogate: Toluene-d8	110	Limit: 82-121	% Rec			04/18/25 0000	04/18/25 1554	RAF
Surrogate: 4-Bromofluorobenzene	87.6	Limit: 78-121	% Rec			04/18/25 0000	04/18/25 1554	RAF
Surrogate: 4-Bromofluorobenzene	87.6	Limit: 80-116	% Rec			04/18/25 0000	04/18/25 1554	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1355	RVV
Arsenic, total	0.0041	0.0020	mg/L			06/02/25 1630	06/21/25 1355	RVV
Barium, total	0.195	0.0010	mg/L			06/02/25 1630	06/21/25 1355	RVV
Beryllium, total	<0.0005	0.0005	mg/L			06/02/25 1630	06/21/25 1355	RVV
Cadmium, total	<0.0002	0.0002	mg/L			06/02/25 1630	06/21/25 1355	RVV
Chromium, total	0.0011	0.0010	mg/L			06/02/25 1630	06/21/25 1355	RVV
Cobalt, total	<0.0005	0.0005	mg/L			06/02/25 1630	06/21/25 1355	RVV
Copper, total	<0.0050	0.0050	mg/L			06/02/25 1630	06/21/25 1355	RVV
Lead, total	<0.0010	0.0010	mg/L			06/02/25 1630	06/21/25 1355	RVV
Nickel, total	0.0067	0.0050	mg/L			06/02/25 1630	06/21/25 1355	RVV
Selenium, total	<0.0020	0.0020	mg/L			06/02/25 1630	06/21/25 1355	RVV
Silver, total	<0.0050	0.0050	mg/L			06/02/25 1630	06/21/25 1355	RVV
Thallium, total	<0.0005	0.0005	mg/L			06/02/25 1630	06/21/25 1355	RVV
Vanadium, total	<0.0020	0.0020	mg/L			06/02/25 1630	06/21/25 1355	RVV
Zinc, total	<0.0050	0.0050	mg/L			06/02/25 1630	06/21/25 1355	RVV

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-13R
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-12

Collected By: JGH
Collection Date: 04/15/2025 14:40

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Bromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Chloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Acetone	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Chloroform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Benzene	3.1	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Dibromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Toluene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Chlorobenzene	34.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Xylenes, total	<2.0	2.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Styrene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Bromoform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-13R
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-12

Collected By: JGH
Collection Date: 04/15/2025 14:40

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
1,4-Dichlorobenzene	1.2		1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1617	RAF
Surrogate: Dibromofluoromethane	75.9	Limit: 57-134	% Rec			04/18/25 0000	04/18/25 1617	RAF
Surrogate: Dibromofluoromethane	75.9	Limit: 75-136	% Rec			04/18/25 0000	04/18/25 1617	RAF
Surrogate: 1,2-Dichloroethane-d4	68.0	Limit: 53-140	% Rec			04/18/25 0000	04/18/25 1617	RAF
Surrogate: 1,2-Dichloroethane-d4	68.0	Limit: 61-142	% Rec			04/18/25 0000	04/18/25 1617	RAF
Surrogate: Toluene-d8	106	Limit: 86-114	% Rec			04/18/25 0000	04/18/25 1617	RAF
Surrogate: Toluene-d8	106	Limit: 82-121	% Rec			04/18/25 0000	04/18/25 1617	RAF
Surrogate: 4-Bromofluorobenzene	85.8	Limit: 78-121	% Rec			04/18/25 0000	04/18/25 1617	RAF
Surrogate: 4-Bromofluorobenzene	85.8	Limit: 80-116	% Rec			04/18/25 0000	04/18/25 1617	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1358	RVV
Arsenic, total	0.183		0.0020	mg/L		06/02/25 1630	06/21/25 1358	RVV
Barium, total	0.853		0.0010	mg/L		06/02/25 1630	06/21/25 1358	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1358	RVV
Cadmium, total		<0.0002	0.0002	mg/L		06/02/25 1630	06/21/25 1358	RVV
Chromium, total	0.0011		0.0010	mg/L		06/02/25 1630	06/21/25 1358	RVV
Cobalt, total	0.0033		0.0005	mg/L		06/02/25 1630	06/21/25 1358	RVV
Copper, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1358	RVV
Lead, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1358	RVV
Nickel, total	0.0050		0.0050	mg/L		06/02/25 1630	06/21/25 1358	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1358	RVV
Silver, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1358	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1358	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1358	RVV
Zinc, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1358	RVV

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-14
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-13

Collected By: JGH
Collection Date: 04/15/2025 14:55

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Bromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Chloroethane	1.2	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Acetone	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Chloroform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Benzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Dibromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Toluene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Xylenes, total	<2.0	2.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Styrene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Bromoform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-14
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-13

Collected By: JGH
Collection Date: 04/15/2025 14:55

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1639	RAF
Surrogate: Dibromofluoromethane	72.2	Limit: 57-134	% Rec			04/18/25 0000	04/18/25 1639	RAF
Surrogate: Dibromofluoromethane	72.2	Limit: 75-136	% Rec		S2	04/18/25 0000	04/18/25 1639	RAF
Surrogate: 1,2-Dichloroethane-d4	66.3	Limit: 53-140	% Rec			04/18/25 0000	04/18/25 1639	RAF
Surrogate: 1,2-Dichloroethane-d4	66.3	Limit: 61-142	% Rec			04/18/25 0000	04/18/25 1639	RAF
Surrogate: Toluene-d8	106	Limit: 86-114	% Rec			04/18/25 0000	04/18/25 1639	RAF
Surrogate: Toluene-d8	106	Limit: 82-121	% Rec			04/18/25 0000	04/18/25 1639	RAF
Surrogate: 4-Bromofluorobenzene	88.8	Limit: 78-121	% Rec			04/18/25 0000	04/18/25 1639	RAF
Surrogate: 4-Bromofluorobenzene	88.8	Limit: 80-116	% Rec			04/18/25 0000	04/18/25 1639	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1400	RVV
Arsenic, total	0.0586	0.0020	mg/L			06/02/25 1630	06/21/25 1400	RVV
Barium, total	0.742	0.0010	mg/L			06/02/25 1630	06/21/25 1400	RVV
Beryllium, total	<0.0005	0.0005	mg/L			06/02/25 1630	06/21/25 1400	RVV
Cadmium, total	<0.0002	0.0002	mg/L			06/02/25 1630	06/21/25 1400	RVV
Chromium, total	0.0018	0.0010	mg/L			06/02/25 1630	06/21/25 1400	RVV
Cobalt, total	0.0143	0.0005	mg/L			06/02/25 1630	06/21/25 1400	RVV
Copper, total	<0.0050	0.0050	mg/L			06/02/25 1630	06/21/25 1400	RVV
Lead, total	<0.0010	0.0010	mg/L			06/02/25 1630	06/21/25 1400	RVV
Nickel, total	0.0179	0.0050	mg/L			06/02/25 1630	06/21/25 1400	RVV
Selenium, total	<0.0020	0.0020	mg/L			06/02/25 1630	06/21/25 1400	RVV
Silver, total	<0.0050	0.0050	mg/L			06/02/25 1630	06/21/25 1400	RVV
Thallium, total	<0.0005	0.0005	mg/L			06/02/25 1630	06/21/25 1400	RVV
Vanadium, total	0.0027	0.0020	mg/L			06/02/25 1630	06/21/25 1400	RVV
Zinc, total	<0.0050	0.0050	mg/L			06/02/25 1630	06/21/25 1400	RVV

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-29
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-14

Collected By: JGH
Collection Date: 04/15/2025 15:40

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Bromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Chloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Acetone	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Chloroform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Benzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Dibromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Toluene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Xylenes, total	<2.0	2.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Styrene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Bromoform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-29
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-14

Collected By: JGH
Collection Date: 04/15/2025 15:40

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1701	RAF
Surrogate: Dibromofluoromethane	89.7	Limit: 75-136	% Rec			04/18/25 0000	04/18/25 1701	RAF
Surrogate: Dibromofluoromethane	89.7	Limit: 57-134	% Rec			04/18/25 0000	04/18/25 1701	RAF
Surrogate: 1,2-Dichloroethane-d4	82.4	Limit: 61-142	% Rec			04/18/25 0000	04/18/25 1701	RAF
Surrogate: 1,2-Dichloroethane-d4	82.4	Limit: 53-140	% Rec			04/18/25 0000	04/18/25 1701	RAF
Surrogate: Toluene-d8	99.5	Limit: 82-121	% Rec			04/18/25 0000	04/18/25 1701	RAF
Surrogate: Toluene-d8	99.5	Limit: 86-114	% Rec			04/18/25 0000	04/18/25 1701	RAF
Surrogate: 4-Bromofluorobenzene	84.7	Limit: 80-116	% Rec			04/18/25 0000	04/18/25 1701	RAF
Surrogate: 4-Bromofluorobenzene	84.7	Limit: 78-121	% Rec			04/18/25 0000	04/18/25 1701	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1403	RVV
Arsenic, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1403	RVV
Barium, total	0.0861	0.0010	mg/L			06/02/25 1630	06/21/25 1403	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1403	RVV
Cadmium, total		<0.0002	0.0002	mg/L		06/02/25 1630	06/21/25 1403	RVV
Chromium, total	0.0012	0.0010	mg/L			06/02/25 1630	06/21/25 1403	RVV
Cobalt, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1403	RVV
Copper, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1403	RVV
Lead, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1403	RVV
Nickel, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1403	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1403	RVV
Silver, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1403	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1403	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1403	RVV
Zinc, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1403	RVV

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-31R
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-15

Collected By: JGH
Collection Date: 04/15/2025 13:21

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Bromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Chloroethane	3.6	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Acetone	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
trans-1,2-Dichloroethylene	1.7	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
1,1-Dichloroethane	2.7	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
cis-1,2-Dichloroethylene	14.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Chloroform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Benzene	1.3	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Dibromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Toluene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Chlorobenzene	22.3	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Xylenes, total	<2.0	2.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Styrene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Bromoform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF

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CERTIFICATE OF ANALYSIS

11D1594

Client Sample ID: MW-31R
Sample Matrix: Aqueous
Lab Sample ID: 11D1594-15

Collected By: JGH
Collection Date: 04/15/2025 13:21

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
1,4-Dichlorobenzene	16.7		1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1724	RAF
Surrogate: Dibromofluoromethane	64.9	Limit: 57-134	% Rec			04/18/25 0000	04/18/25 1724	RAF
Surrogate: Dibromofluoromethane	64.9	Limit: 75-136	% Rec		S2	04/18/25 0000	04/18/25 1724	RAF
Surrogate: 1,2-Dichloroethane-d4	61.4	Limit: 53-140	% Rec			04/18/25 0000	04/18/25 1724	RAF
Surrogate: 1,2-Dichloroethane-d4	61.4	Limit: 61-142	% Rec			04/18/25 0000	04/18/25 1724	RAF
Surrogate: Toluene-d8	109	Limit: 86-114	% Rec			04/18/25 0000	04/18/25 1724	RAF
Surrogate: Toluene-d8	109	Limit: 82-121	% Rec			04/18/25 0000	04/18/25 1724	RAF
Surrogate: 4-Bromofluorobenzene	87.7	Limit: 78-121	% Rec			04/18/25 0000	04/18/25 1724	RAF
Surrogate: 4-Bromofluorobenzene	87.7	Limit: 80-116	% Rec			04/18/25 0000	04/18/25 1724	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1406	RVV
Arsenic, total	0.0436		0.0020	mg/L		06/02/25 1630	06/21/25 1406	RVV
Barium, total	1.61		0.0010	mg/L		06/02/25 1630	06/21/25 1406	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1406	RVV
Cadmium, total		<0.0002	0.0002	mg/L		06/02/25 1630	06/21/25 1406	RVV
Chromium, total	0.0011		0.0010	mg/L		06/02/25 1630	06/21/25 1406	RVV
Cobalt, total	0.0168		0.0005	mg/L		06/02/25 1630	06/21/25 1406	RVV
Copper, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1406	RVV
Lead, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1406	RVV
Nickel, total	0.0289		0.0050	mg/L		06/02/25 1630	06/21/25 1406	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1406	RVV
Silver, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1406	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1406	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1406	RVV
Zinc, total	0.0067		0.0050	mg/L		06/02/25 1630	06/21/25 1406	RVV

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-33
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-16

Collected By: JGH
Collection Date: 04/15/2025 12:19

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Bromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Chloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Acetone	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Chloroform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Benzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Dibromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Toluene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Xylenes, total	<2.0	2.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Styrene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Bromoform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-33
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-16

Collected By: JGH
Collection Date: 04/15/2025 12:19

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1746	RAF
Surrogate: Dibromofluoromethane	64.2	Limit: 57-134	% Rec			04/18/25 0000	04/18/25 1746	RAF
Surrogate: Dibromofluoromethane	64.2	Limit: 75-136	% Rec		S2	04/18/25 0000	04/18/25 1746	RAF
Surrogate: 1,2-Dichloroethane-d4	54.7	Limit: 61-142	% Rec		S2	04/18/25 0000	04/18/25 1746	RAF
Surrogate: 1,2-Dichloroethane-d4	54.7	Limit: 53-140	% Rec			04/18/25 0000	04/18/25 1746	RAF
Surrogate: Toluene-d8	109	Limit: 86-114	% Rec			04/18/25 0000	04/18/25 1746	RAF
Surrogate: Toluene-d8	109	Limit: 82-121	% Rec			04/18/25 0000	04/18/25 1746	RAF
Surrogate: 4-Bromofluorobenzene	85.4	Limit: 80-116	% Rec			04/18/25 0000	04/18/25 1746	RAF
Surrogate: 4-Bromofluorobenzene	85.4	Limit: 78-121	% Rec			04/18/25 0000	04/18/25 1746	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1408	RVV
Arsenic, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1408	RVV
Barium, total	0.167		0.0010	mg/L		06/02/25 1630	06/21/25 1408	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1408	RVV
Cadmium, total		<0.0002	0.0002	mg/L		06/02/25 1630	06/21/25 1408	RVV
Chromium, total	0.0011		0.0010	mg/L		06/02/25 1630	06/21/25 1408	RVV
Cobalt, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1408	RVV
Copper, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1408	RVV
Lead, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1408	RVV
Nickel, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1408	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1408	RVV
Silver, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1408	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1408	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1408	RVV
Zinc, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1408	RVV

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-35R
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-17

Collected By: JGH
Collection Date: 04/15/2025 15:25

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Bromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Chloroethane	3.2	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Acetone	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Chloroform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Benzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Dibromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Toluene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Xylenes, total	<2.0	2.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Styrene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Bromoform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-35R
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-17

Collected By: JGH
Collection Date: 04/15/2025 15:25

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1809	RAF
Surrogate: Dibromofluoromethane	64.5	Limit: 57-134	% Rec			04/18/25 0000	04/18/25 1809	RAF
Surrogate: Dibromofluoromethane	64.5	Limit: 75-136	% Rec		S2	04/18/25 0000	04/18/25 1809	RAF
Surrogate: 1,2-Dichloroethane-d4	63.6	Limit: 53-140	% Rec			04/18/25 0000	04/18/25 1809	RAF
Surrogate: 1,2-Dichloroethane-d4	63.6	Limit: 61-142	% Rec			04/18/25 0000	04/18/25 1809	RAF
Surrogate: Toluene-d8	108	Limit: 86-114	% Rec			04/18/25 0000	04/18/25 1809	RAF
Surrogate: Toluene-d8	108	Limit: 82-121	% Rec			04/18/25 0000	04/18/25 1809	RAF
Surrogate: 4-Bromofluorobenzene	86.2	Limit: 78-121	% Rec			04/18/25 0000	04/18/25 1809	RAF
Surrogate: 4-Bromofluorobenzene	86.2	Limit: 80-116	% Rec			04/18/25 0000	04/18/25 1809	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1416	RVV
Arsenic, total	0.0065	0.0020	mg/L			06/02/25 1630	06/21/25 1416	RVV
Barium, total	1.52	0.0010	mg/L			06/02/25 1630	06/21/25 1416	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1416	RVV
Cadmium, total	0.0002	0.0002	mg/L			06/02/25 1630	06/21/25 1416	RVV
Chromium, total	0.0017	0.0010	mg/L			06/02/25 1630	06/21/25 1416	RVV
Cobalt, total	0.0056	0.0005	mg/L			06/02/25 1630	06/21/25 1416	RVV
Copper, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1416	RVV
Lead, total	0.0014	0.0010	mg/L			06/02/25 1630	06/21/25 1416	RVV
Nickel, total	0.0236	0.0050	mg/L			06/02/25 1630	06/21/25 1416	RVV
Selenium, total	0.0036	0.0020	mg/L			06/02/25 1630	06/21/25 1416	RVV
Silver, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1416	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1416	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1416	RVV
Zinc, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1416	RVV

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-211
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-18

Collected By: JGH
Collection Date: 04/15/2025 13:07

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Bromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Chloroethane	1.1	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Acetone	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Chloroform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Benzene	1.6	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Dibromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Toluene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Chlorobenzene	4.3	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Xylenes, total	<2.0	2.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Styrene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Bromoform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: MW-211
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-18

Collected By: JGH
Collection Date: 04/15/2025 13:07

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1831	RAF
Surrogate: Dibromofluoromethane	69.4	Limit: 57-134	% Rec			04/18/25 0000	04/18/25 1831	RAF
Surrogate: Dibromofluoromethane	69.4	Limit: 75-136	% Rec		S2	04/18/25 0000	04/18/25 1831	RAF
Surrogate: 1,2-Dichloroethane-d4	59.7	Limit: 53-140	% Rec			04/18/25 0000	04/18/25 1831	RAF
Surrogate: 1,2-Dichloroethane-d4	59.7	Limit: 61-142	% Rec		S2	04/18/25 0000	04/18/25 1831	RAF
Surrogate: Toluene-d8	104	Limit: 86-114	% Rec			04/18/25 0000	04/18/25 1831	RAF
Surrogate: Toluene-d8	104	Limit: 82-121	% Rec			04/18/25 0000	04/18/25 1831	RAF
Surrogate: 4-Bromofluorobenzene	86.6	Limit: 78-121	% Rec			04/18/25 0000	04/18/25 1831	RAF
Surrogate: 4-Bromofluorobenzene	86.6	Limit: 80-116	% Rec			04/18/25 0000	04/18/25 1831	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1418	RVV
Arsenic, total	0.0674	0.0020	mg/L			06/02/25 1630	06/21/25 1418	RVV
Barium, total	0.506	0.0010	mg/L			06/02/25 1630	06/21/25 1418	RVV
Beryllium, total	<0.0005	0.0005	mg/L			06/02/25 1630	06/21/25 1418	RVV
Cadmium, total	<0.0002	0.0002	mg/L			06/02/25 1630	06/21/25 1418	RVV
Chromium, total	0.0012	0.0010	mg/L			06/02/25 1630	06/21/25 1418	RVV
Cobalt, total	0.0151	0.0005	mg/L			06/02/25 1630	06/21/25 1418	RVV
Copper, total	<0.0050	0.0050	mg/L			06/02/25 1630	06/21/25 1418	RVV
Lead, total	<0.0010	0.0010	mg/L			06/02/25 1630	06/21/25 1418	RVV
Nickel, total	0.0330	0.0050	mg/L			06/02/25 1630	06/21/25 1418	RVV
Selenium, total	<0.0020	0.0020	mg/L			06/02/25 1630	06/21/25 1418	RVV
Silver, total	<0.0050	0.0050	mg/L			06/02/25 1630	06/21/25 1418	RVV
Thallium, total	<0.0005	0.0005	mg/L			06/02/25 1630	06/21/25 1418	RVV
Vanadium, total	<0.0020	0.0020	mg/L			06/02/25 1630	06/21/25 1418	RVV
Zinc, total	<0.0050	0.0050	mg/L			06/02/25 1630	06/21/25 1418	RVV

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: GU-3
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-19

Collected By: JGH
Collection Date: 04/15/2025 11:04

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Bromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Chloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Acetone	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Chloroform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Benzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Dibromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Toluene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Xylenes, total	<2.0	2.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Styrene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Bromoform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF

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CERTIFICATE OF ANALYSIS

11D1594

Client Sample ID: GU-3
Sample Matrix: Aqueous
Lab Sample ID: 11D1594-19

Collected By: JGH
Collection Date: 04/15/2025 11:04

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1853	RAF
Surrogate: Dibromofluoromethane	62.4	Limit: 57-134	% Rec			04/18/25 0000	04/18/25 1853	RAF
Surrogate: Dibromofluoromethane	62.4	Limit: 75-136	% Rec		S2	04/18/25 0000	04/18/25 1853	RAF
Surrogate: 1,2-Dichloroethane-d4	54.5	Limit: 53-140	% Rec			04/18/25 0000	04/18/25 1853	RAF
Surrogate: 1,2-Dichloroethane-d4	54.5	Limit: 61-142	% Rec		S2	04/18/25 0000	04/18/25 1853	RAF
Surrogate: Toluene-d8	107	Limit: 86-114	% Rec			04/18/25 0000	04/18/25 1853	RAF
Surrogate: Toluene-d8	107	Limit: 82-121	% Rec			04/18/25 0000	04/18/25 1853	RAF
Surrogate: 4-Bromofluorobenzene	86.3	Limit: 78-121	% Rec			04/18/25 0000	04/18/25 1853	RAF
Surrogate: 4-Bromofluorobenzene	86.3	Limit: 80-116	% Rec			04/18/25 0000	04/18/25 1853	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1421	RVV
Arsenic, total	0.0081	0.0020	mg/L			06/02/25 1630	06/21/25 1421	RVV
Barium, total	0.208	0.0010	mg/L			06/02/25 1630	06/21/25 1421	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1421	RVV
Cadmium, total		<0.0002	0.0002	mg/L		06/02/25 1630	06/21/25 1421	RVV
Chromium, total	0.0010	0.0010	mg/L			06/02/25 1630	06/21/25 1421	RVV
Cobalt, total	0.0011	0.0005	mg/L			06/02/25 1630	06/21/25 1421	RVV
Copper, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1421	RVV
Lead, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1421	RVV
Nickel, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1421	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1421	RVV
Silver, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1421	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1421	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1421	RVV
Zinc, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1421	RVV

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: Tile ACM-1
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-20

Collected By: JGH
Collection Date: 04/15/2025 15:09

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Vinyl Chloride	1.2	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Bromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Chloroethane	5.5	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Acetone	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
1,1-Dichloroethane	3.4	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
cis-1,2-Dichloroethylene	2.1	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Chloroform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Benzene	1.6	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Dibromomethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Toluene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Chlorobenzene	11.5	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Xylenes, total	<2.0	2.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Styrene	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Bromoform	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF

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CERTIFICATE OF ANALYSIS

11D1594

Client Sample ID: Tile ACM-1
Sample Matrix: Aqueous
Lab Sample ID: 11D1594-20

Collected By: JGH
Collection Date: 04/15/2025 15:09

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
1,4-Dichlorobenzene	1.6		1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/18/25 0000	04/18/25 1916	RAF
Surrogate: Dibromofluoromethane	65.9	Limit: 57-134	% Rec			04/18/25 0000	04/18/25 1916	RAF
Surrogate: Dibromofluoromethane	65.9	Limit: 75-136	% Rec		S2	04/18/25 0000	04/18/25 1916	RAF
Surrogate: 1,2-Dichloroethane-d4	60.2	Limit: 53-140	% Rec			04/18/25 0000	04/18/25 1916	RAF
Surrogate: 1,2-Dichloroethane-d4	60.2	Limit: 61-142	% Rec		S2	04/18/25 0000	04/18/25 1916	RAF
Surrogate: Toluene-d8	106	Limit: 86-114	% Rec			04/18/25 0000	04/18/25 1916	RAF
Surrogate: Toluene-d8	106	Limit: 82-121	% Rec			04/18/25 0000	04/18/25 1916	RAF
Surrogate: 4-Bromofluorobenzene	87.3	Limit: 78-121	% Rec			04/18/25 0000	04/18/25 1916	RAF
Surrogate: 4-Bromofluorobenzene	87.3	Limit: 80-116	% Rec			04/18/25 0000	04/18/25 1916	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/02/25 1630	06/21/25 1423	RVV
Arsenic, total	0.358		0.0020	mg/L		06/02/25 1630	06/21/25 1423	RVV
Barium, total	1.23		0.0010	mg/L		06/02/25 1630	06/21/25 1423	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1423	RVV
Cadmium, total		<0.0002	0.0002	mg/L		06/02/25 1630	06/21/25 1423	RVV
Chromium, total	0.0029		0.0010	mg/L		06/02/25 1630	06/21/25 1423	RVV
Cobalt, total	0.0110		0.0005	mg/L		06/02/25 1630	06/21/25 1423	RVV
Copper, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1423	RVV
Lead, total	0.0011		0.0010	mg/L		06/02/25 1630	06/21/25 1423	RVV
Nickel, total	0.0291		0.0050	mg/L		06/02/25 1630	06/21/25 1423	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/02/25 1630	06/21/25 1423	RVV
Silver, total		<0.0050	0.0050	mg/L		06/02/25 1630	06/21/25 1423	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/02/25 1630	06/21/25 1423	RVV
Vanadium, total	0.0065		0.0020	mg/L		06/02/25 1630	06/21/25 1423	RVV
Zinc, total	0.357		0.0050	mg/L		06/02/25 1630	06/21/25 1423	RVV

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: PECS-1
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-21

Collected By: JGH
Collection Date: 04/15/2025 12:06

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
Bromomethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
Chloroethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
Acetone	<10.0	10.0	ug/L	H2	05/02/25 0000	05/02/25 1824	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
Carbon Disulfide	<1.0	1.0	ug/L	H2	05/02/25 0000	05/02/25 1824	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
Chloroform	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
Benzene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
Dibromomethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
Toluene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
Xylenes, total	<2.0	2.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
Styrene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
Bromoform	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF

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CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: PECS-1
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-21

Collected By: JGH
Collection Date: 04/15/2025 12:06

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/21/25 0000	04/21/25 1539	RAF
Surrogate: Dibromofluoromethane	88.0	Limit: 57-134	% Rec			04/21/25 0000	04/21/25 1539	RAF
Surrogate: Dibromofluoromethane	103	Limit: 75-136	% Rec			05/02/25 0000	05/02/25 1824	RAF
Surrogate: Dibromofluoromethane	88.0	Limit: 75-136	% Rec			04/21/25 0000	04/21/25 1539	RAF
Surrogate: 1,2-Dichloroethane-d4	113	Limit: 61-142	% Rec			05/02/25 0000	05/02/25 1824	RAF
Surrogate: 1,2-Dichloroethane-d4	70.9	Limit: 53-140	% Rec			04/21/25 0000	04/21/25 1539	RAF
Surrogate: 1,2-Dichloroethane-d4	70.9	Limit: 61-142	% Rec			04/21/25 0000	04/21/25 1539	RAF
Surrogate: Toluene-d8	94.9	Limit: 86-114	% Rec			04/21/25 0000	04/21/25 1539	RAF
Surrogate: Toluene-d8	95.3	Limit: 82-121	% Rec			05/02/25 0000	05/02/25 1824	RAF
Surrogate: Toluene-d8	94.9	Limit: 82-121	% Rec			04/21/25 0000	04/21/25 1539	RAF
Surrogate: 4-Bromofluorobenzene	93.5	Limit: 78-121	% Rec			04/21/25 0000	04/21/25 1539	RAF
Surrogate: 4-Bromofluorobenzene	95.4	Limit: 80-116	% Rec			05/02/25 0000	05/02/25 1824	RAF
Surrogate: 4-Bromofluorobenzene	93.5	Limit: 80-116	% Rec			04/21/25 0000	04/21/25 1539	RAF

Client Sample ID: MW-7A North
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-22

Collected By: JGH
Collection Date: 04/15/2025 11:52

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Arsenic, total		0.0030	0.0020	mg/L		06/02/25 1634	06/21/25 1430	RVV

Client Sample ID: MW-7B Northwest
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-23

Collected By: JGH
Collection Date: 04/15/2025 11:56

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Arsenic, total		0.162	0.0020	mg/L		06/02/25 1634	06/21/25 1445	RVV



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1ID1594

Client Sample ID: Field Duplicate
Sample Matrix: Aqueous
Lab Sample ID: 1ID1594-24

Collected By: JGH
Collection Date: 04/15/2025 11:07

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Bromomethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Chloroethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Acetone	<10.0	10.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Chloroform	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Benzene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Dibromomethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Toluene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Xylenes, total	<2.0	2.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Styrene	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Bromoform	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF

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CERTIFICATE OF ANALYSIS

11D1594

Client Sample ID: Field Duplicate
Sample Matrix: Aqueous
Lab Sample ID: 11D1594-24

Collected By: JGH
Collection Date: 04/15/2025 11:07

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/21/25 0000	04/21/25 1601	RAF
Surrogate: Dibromofluoromethane	94.0	Limit: 57-134	% Rec			04/21/25 0000	04/21/25 1601	RAF
Surrogate: Dibromofluoromethane	94.0	Limit: 75-136	% Rec			04/21/25 0000	04/21/25 1601	RAF
Surrogate: 1,2-Dichloroethane-d4	81.5	Limit: 53-140	% Rec			04/21/25 0000	04/21/25 1601	RAF
Surrogate: 1,2-Dichloroethane-d4	81.5	Limit: 61-142	% Rec			04/21/25 0000	04/21/25 1601	RAF
Surrogate: Toluene-d8	94.2	Limit: 86-114	% Rec			04/21/25 0000	04/21/25 1601	RAF
Surrogate: Toluene-d8	94.2	Limit: 82-121	% Rec			04/21/25 0000	04/21/25 1601	RAF
Surrogate: 4-Bromofluorobenzene	96.0	Limit: 78-121	% Rec			04/21/25 0000	04/21/25 1601	RAF
Surrogate: 4-Bromofluorobenzene	96.0	Limit: 80-116	% Rec			04/21/25 0000	04/21/25 1601	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/02/25 1634	06/21/25 1448	RVV
Arsenic, total	0.0082	0.0020	mg/L			06/02/25 1634	06/21/25 1448	RVV
Barium, total	0.220	0.0010	mg/L			06/02/25 1634	06/21/25 1448	RVV
Beryllium, total	<0.0005	0.0005	mg/L			06/02/25 1634	06/21/25 1448	RVV
Cadmium, total	<0.0002	0.0002	mg/L			06/02/25 1634	06/21/25 1448	RVV
Chromium, total	<0.0010	0.0010	mg/L			06/02/25 1634	06/21/25 1448	RVV
Cobalt, total	0.0011	0.0005	mg/L			06/02/25 1634	06/21/25 1448	RVV
Copper, total	<0.0050	0.0050	mg/L			06/02/25 1634	06/21/25 1448	RVV
Lead, total	<0.0010	0.0010	mg/L			06/02/25 1634	06/21/25 1448	RVV
Nickel, total	<0.0050	0.0050	mg/L			06/02/25 1634	06/21/25 1448	RVV
Selenium, total	<0.0020	0.0020	mg/L			06/02/25 1634	06/21/25 1448	RVV
Silver, total	<0.0050	0.0050	mg/L			06/02/25 1634	06/21/25 1448	RVV
Thallium, total	<0.0005	0.0005	mg/L			06/02/25 1634	06/21/25 1448	RVV
Vanadium, total	<0.0020	0.0020	mg/L			06/02/25 1634	06/21/25 1448	RVV
Zinc, total	<0.0050	0.0050	mg/L			06/02/25 1634	06/21/25 1448	RVV

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CERTIFICATE OF ANALYSIS

1ID1594

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 8082	1ID0953	1ID0953-BLK1	
		1ID1594-06	MW-48A
		1ID1594-07	MW-49A
		1ID0953-BS1	
		1ID0953-BSD1	
		1ID0953-SRM1	
Method	Batch	Laboratory ID	Client / Source ID
EPA 8081	1ID0954	1ID0954-BLK1	
		1ID1594-06	MW-48A
		1ID1594-07	MW-49A
		1ID0954-BS1	
		1ID0954-BSD1	
		1ID0954-SRM1	
Method	Batch	Laboratory ID	Client / Source ID
EPA 8141	1ID0955	1ID0955-BLK1	
		1ID1594-06	MW-48A
		1ID1594-07	MW-49A
		1ID0955-BS1	
		1ID0955-SRM1	
		1ID0955-BSD1	
Method	Batch	Laboratory ID	Client / Source ID
EPA 376.2	1ID0962	1ID1594-07	MW-49A
		1ID0962-BS1	
		1ID0962-MS1	1ID1322-06
		1ID0962-MSD1	1ID1322-06
		1ID1594-06	MW-48A
		1ID0962-BLK1	
Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1ID0990	1ID0990-BS1	
		1ID0990-BSD1	
		1ID0990-BLK1	
		1ID1594-01	MW-36 (B)
		1ID1594-02	MW-37 (B)
		1ID1594-03	MW-39 (B)
		1ID0990-MS1	1ID1421-01
		1ID0990-MSD1	1ID1421-01



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CERTIFICATE OF ANALYSIS

1ID1594

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1ID1057	1ID1057-BS1	
		1ID1057-BSD1	
		1ID1057-BLK1	
		1ID1594-01RE1	MW-36 (B)
		1ID1594-01	MW-36 (B)
		1ID1594-02	MW-37 (B)
		1ID1594-03	MW-39 (B)
		1ID1594-04	MW-40 (B)
		1ID1594-05	MW-47 (B)
		1ID1594-06	MW-48A
		1ID1594-07	MW-49A
		1ID1594-08	MW-50
		1ID1594-09	MW-51
		1ID1594-10	MW-7
		1ID1594-11	MW-9
		1ID1594-12	MW-13R
		1ID1594-13	MW-14
		1ID1594-14	MW-29
		1ID1594-15	MW-31R
		1ID1594-16	MW-33
		1ID1594-17	MW-35R
		1ID1594-18	MW-211
		1ID1594-19	GU-3
		1ID1594-20	Tile ACM-1
		1ID1057-MS1	1ID1594-01
		1ID1057-MSD1	1ID1594-01
Method	Batch	Laboratory ID	Client / Source ID
EPA 8270C	1ID1072	1ID1072-BLK1	
		1ID1072-BS1	
		1ID1072-BSD1	
		1ID1594-06	MW-48A
		1ID1594-07	MW-49A
Method	Batch	Laboratory ID	Client / Source ID
EPA 8151A	1ID1076	1ID1076-BLK1	
		1ID1594-06	MW-48A
		1ID1594-07	MW-49A
		1ID1076-BS1	
		1ID1076-BSD1	
Method	Batch	Laboratory ID	Client / Source ID

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1ID1594

EPA 9014	1ID1080	1ID1594-06	MW-48A
		1ID1080-BLK1	
		1ID1080-BS1	
		1ID1594-07	MW-49A
		1ID1080-MSD1	1ID1594-06
		1ID1080-MS1	1ID1594-06

Method	Batch	Laboratory ID	Client / Source ID
EPA 7470A	1ID1124	1ID1124-BLK1	
		1ID1124-BS1	
		1ID1124-MS1	1ID1193-01
		1ID1124-MSD1	1ID1193-01
		1ID1594-06	MW-48A
		1ID1594-07	MW-49A

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1ID1137	1ID1137-BS1	
		1ID1137-BSD1	
		1ID1137-BLK1	
		1ID1594-06	MW-48A
		1ID1594-07	MW-49A
		1ID1137-MS1	1ID1594-07
		1ID1137-MSD1	1ID1594-07

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1ID1138	1ID1138-BS1	
		1ID1138-BLK1	
		1ID1138-BSD1	
		1ID1594-21	PECS-1
		1ID1594-24	Field Duplicate
		1ID1138-MS1	1ID1594-21
		1ID1138-MSD1	1ID1594-21

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1ID1376	1ID1376-BS1	
		1ID1376-BSD1	
		1ID1376-BLK1	
		1ID1594-01RE2	MW-36 (B)
		1ID1594-02RE1	MW-37 (B)
		1ID1376-MS1	1ID1322-06RE1
		1ID1376-MSD1	1ID1322-06RE1

Method	Batch	Laboratory ID	Client / Source ID
EPA 8015C	1ID1482	1ID1482-BS1	



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1ID1594

EPA 8015C	1ID1482	1ID1482-BLK1	
		1ID1594-06	MW-48A
		1ID1594-07	MW-49A
		1ID1482-MS1	1ID1702-01
		1ID1482-MSD1	1ID1702-01

Method	Batch	Laboratory ID	Client / Source ID

EPA 8260D	1IE0131	1IE0131-BS1	
		1IE0131-BSD1	
		1IE0131-BLK1	
		1ID1594-21RE1	PECS-1
		1IE0131-MS1	1ID1749-01
		1IE0131-MSD1	1ID1749-01

Method	Batch	Laboratory ID	Client / Source ID

EPA 6020A	1IF0078	1IF0078-BLK1	
		1IF0078-BS1	
		1ID1594-01	MW-36 (B)
		1IF0078-MS1	1ID1594-01
		1IF0078-MSD1	1ID1594-01
		1IF0078-PS1	1ID1594-01
		1ID1594-02	MW-37 (B)
		1ID1594-03	MW-39 (B)
		1ID1594-04	MW-40 (B)
		1ID1594-05	MW-47 (B)
		1ID1594-06	MW-48A
		1ID1594-07	MW-49A
		1ID1594-08	MW-50
		1ID1594-09	MW-51
		1ID1594-10	MW-7
		1ID1594-11	MW-9
		1ID1594-12	MW-13R
		1ID1594-13	MW-14
		1ID1594-14	MW-29
		1ID1594-15	MW-31R
		1ID1594-16	MW-33
		1ID1594-17	MW-35R
		1ID1594-18	MW-211
		1ID1594-19	GU-3
		1ID1594-20	Tile ACM-1
		1IF0078-BS1	

Method	Batch	Laboratory ID	Client / Source ID

EPA 6020A	1IF0079	1IF0079-BLK1	

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1ID1594

EPA 6020A	1IF0079	1IF0079-BS1	
		1ID1594-22	MW-7A North
		1IF0079-MS1	1ID1594-22
		1IF0079-MSD1	1ID1594-22
		1IF0079-PS1	1ID1594-22
		1ID1594-23	MW-7B Northwest
		1ID1594-24	Field Duplicate

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1IF1340	1IF1340-BLK1	
		1IF1340-BS1	
		1IF1340-MS1	1ID0938-06RE1
		1IF1340-MSD1	1ID0938-06RE1
		1IF1340-PS1	1ID0938-06RE1

Batch Quality Control Summary: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0990 - EPA 5030B - EPA 8260D										

Blank (1ID0990-BLK1)

Prepared: 04/17/25 00:00 Analyzed: 04/17/25 14:39

Chloromethane	<1.0	1.0	ug/L
Vinyl Chloride	<1.0	1.0	ug/L
Bromomethane	<1.0	1.0	ug/L
Chloroethane	<1.0	1.0	ug/L
Trichlorofluoromethane	<1.0	1.0	ug/L
1,1-Dichloroethylene	<1.0	1.0	ug/L
Acetone	<10.0	10.0	ug/L
Methyl Iodide	<1.0	1.0	ug/L
Carbon Disulfide	<1.0	1.0	ug/L
Methylene Chloride	<5.0	5.0	ug/L
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L
1,1-Dichloroethane	<1.0	1.0	ug/L
Vinyl Acetate	<5.0	5.0	ug/L
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L
2-Butanone (MEK)	<10.0	10.0	ug/L
Bromochloromethane	<1.0	1.0	ug/L
Chloroform	<1.0	1.0	ug/L
1,1,1-Trichloroethane	<1.0	1.0	ug/L
Carbon Tetrachloride	<1.0	1.0	ug/L
Benzene	<1.0	1.0	ug/L
1,2-Dichloroethane	<1.0	1.0	ug/L
Trichloroethylene	<1.0	1.0	ug/L
1,2-Dichloropropane	<1.0	1.0	ug/L
Dibromomethane	<1.0	1.0	ug/L
Bromodichloromethane	<1.0	1.0	ug/L

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CERTIFICATE OF ANALYSIS

11D1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11D0990 - EPA 5030B - EPA 8260D										
Blank (11D0990-BLK1)										
Prepared: 04/17/25 00:00 Analyzed: 04/17/25 14:39										
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L							
Toluene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<5.0	5.0	ug/L							
Dibromochloromethane	<1.0	1.0	ug/L							
1,2-Dibromoethane	<1.0	1.0	ug/L							
Chlorobenzene	<1.0	1.0	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Xylenes, total	<2.0	2.0	ug/L							
Styrene	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							
1,2,3-Trichloropropane	<1.0	1.0	ug/L							
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,4-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L							
Surrogate: Dibromofluoromethane	38.2		ug/L	50.2		76.1	75-136			
Surrogate: 1,2-Dichloroethane-d4	34.8		ug/L	50.1		69.4	61-142			
Surrogate: Toluene-d8	53.1		ug/L	50.4		105	82-121			
Surrogate: 4-Bromofluorobenzene	44.2		ug/L	50.1		88.2	80-116			
LCS (11D0990-BS1)										
Prepared: 04/17/25 00:00 Analyzed: 04/17/25 13:32										
Chloromethane	33.56	1.0	ug/L	30.3		111	63-155			
Vinyl Chloride	33.70	1.0	ug/L	30.2		111	70-154			
Bromomethane	33.12	1.0	ug/L	30.1		110	52-176			
Chloroethane	33.62	1.0	ug/L	30.3		111	72-148			
Trichlorofluoromethane	35.02	1.0	ug/L	30.3		116	70-152			
1,1-Dichloroethylene	63.75	1.0	ug/L	50.1		127	70-148			
Acetone	135.3	10.0	ug/L	100		135	43-172			
Methyl Iodide	110.6	1.0	ug/L	100		111	69-170			
Carbon Disulfide	114.8	1.0	ug/L	100		115	72-162			
Methylene Chloride	53.68	5.0	ug/L	50.1		107	68-142			
trans-1,2-Dichloroethylene	61.27	1.0	ug/L	50.1		122	66-148			
1,1-Dichloroethane	59.73	1.0	ug/L	50.1		119	66-143			
Vinyl Acetate	175.8	5.0	ug/L	140		126	43-153			
cis-1,2-Dichloroethylene	57.54	1.0	ug/L	50.4		114	71-149			
2-Butanone (MEK)	116.9	10.0	ug/L	100		117	52-159			
Bromochloromethane	57.81	1.0	ug/L	50.4		115	69-143			

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CERTIFICATE OF ANALYSIS

11D1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11D0990 - EPA 5030B - EPA 8260D										
LCS (11D0990-BS1)										
Prepared: 04/17/25 00:00 Analyzed: 04/17/25 13:32										
Chloroform	58.58	1.0	ug/L	50.1		117	69-144			
1,1,1-Trichloroethane	61.22	1.0	ug/L	50.1		122	62-129			
Carbon Tetrachloride	60.66	1.0	ug/L	50.1		121	63-141			
Benzene	56.40	1.0	ug/L	50.4		112	71-134			
1,2-Dichloroethane	58.46	1.0	ug/L	50.1		117	72-132			
Trichloroethylene	58.92	1.0	ug/L	50.1		118	71-135			
1,2-Dichloropropane	56.71	1.0	ug/L	50.1		113	69-136			
Dibromomethane	58.07	1.0	ug/L	50.4		115	73-147			
Bromodichloromethane	60.28	1.0	ug/L	50.1		120	68-129			
cis-1,3-Dichloropropene	57.20	1.0	ug/L	50.1		114	65-134			
4-Methyl-2-pentanone (MIBK)	129.6	5.0	ug/L	100		130	58-147			
Toluene	62.43	1.0	ug/L	50.5		124	72-133			
trans-1,3-Dichloropropene	58.31	1.0	ug/L	50.1		116	67-130			
1,1,2-Trichloroethane	55.35	1.0	ug/L	50.1		111	69-135			
Tetrachloroethylene	56.02	1.0	ug/L	50.1		112	69-130			
2-Hexanone (MBK)	132.8	5.0	ug/L	100		133	55-144			
Dibromochloromethane	56.69	1.0	ug/L	50.1		113	73-127			
1,2-Dibromoethane	57.43	1.0	ug/L	50.2		114	67-132			
Chlorobenzene	54.52	1.0	ug/L	50.1		109	72-123			
1,1,1,2-Tetrachloroethane	53.86	1.0	ug/L	50.3		107	73-127			
Ethylbenzene	59.40	1.0	ug/L	50.2		118	71-127			
Xylenes, total	176.0	2.0	ug/L	151		116	74-127			
Styrene	60.59	1.0	ug/L	50.4		120	66-126			
Bromoform	58.34	1.0	ug/L	50.1		116	68-130			
1,2,3-Trichloropropane	49.58	1.0	ug/L	50.3		98.5	63-136			
trans-1,4-Dichloro-2-butene	117.5	5.0	ug/L	100		117	54-134			
1,1,2,2-Tetrachloroethane	55.47	1.0	ug/L	50.1		111	61-131			
1,4-Dichlorobenzene	50.63	1.0	ug/L	50.1		101	70-129			
1,2-Dichlorobenzene	50.53	1.0	ug/L	50.1		101	69-126			
1,2-Dibromo-3-chloropropane	56.72	5.0	ug/L	50.1		113	50-143			
Surrogate: Dibromofluoromethane	50.6		ug/L	50.2		101	75-136			
Surrogate: 1,2-Dichloroethane-d4	49.5		ug/L	50.1		98.8	61-142			
Surrogate: Toluene-d8	51.6		ug/L	50.4		102	82-121			
Surrogate: 4-Bromofluorobenzene	50.2		ug/L	50.1		100	80-116			
LCS Dup (11D0990-BS1)										
Prepared: 04/17/25 00:00 Analyzed: 04/17/25 13:54										
Chloromethane	30.84	1.0	ug/L	30.3		102	63-155	8.45	24	
Vinyl Chloride	30.17	1.0	ug/L	30.2		99.7	70-154	11.1	25	
Bromomethane	29.62	1.0	ug/L	30.1		98.3	52-176	11.2	27	
Chloroethane	30.73	1.0	ug/L	30.3		101	72-148	8.98	25	
Trichlorofluoromethane	32.27	1.0	ug/L	30.3		106	70-152	8.17	26	
1,1-Dichloroethylene	60.33	1.0	ug/L	50.1		120	70-148	5.51	24	
Acetone	127.9	10.0	ug/L	100		128	43-172	5.65	30	

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0990 - EPA 5030B - EPA 8260D										
LCS Dup (1ID0990-BSD1)										
Prepared: 04/17/25 00:00 Analyzed: 04/17/25 13:54										
Methyl Iodide	100.1	1.0	ug/L	100		100	69-170	9.96	30	
Carbon Disulfide	104.7	1.0	ug/L	100		105	72-162	9.14	24	
Methylene Chloride	50.16	5.0	ug/L	50.1		100	68-142	6.78	21	
trans-1,2-Dichloroethylene	57.56	1.0	ug/L	50.1		115	66-148	6.24	27	
1,1-Dichloroethane	56.55	1.0	ug/L	50.1		113	66-143	5.47	24	
Vinyl Acetate	167.3	5.0	ug/L	140		119	43-153	4.96	30	
cis-1,2-Dichloroethylene	55.37	1.0	ug/L	50.4		110	71-149	3.84	26	
2-Butanone (MEK)	117.2	10.0	ug/L	100		117	52-159	0.197	27	
Bromochloromethane	56.62	1.0	ug/L	50.4		112	69-143	2.08	23	
Chloroform	55.82	1.0	ug/L	50.1		111	69-144	4.83	23	
1,1,1-Trichloroethane	57.39	1.0	ug/L	50.1		115	62-129	6.46	24	
Carbon Tetrachloride	56.44	1.0	ug/L	50.1		113	63-141	7.21	25	
Benzene	50.43	1.0	ug/L	50.4		100	71-134	11.2	24	
1,2-Dichloroethane	54.77	1.0	ug/L	50.1		109	72-132	6.52	24	
Trichloroethylene	52.45	1.0	ug/L	50.1		105	71-135	11.6	24	
1,2-Dichloropropane	52.37	1.0	ug/L	50.1		105	69-136	7.96	24	
Dibromomethane	55.81	1.0	ug/L	50.4		111	73-147	3.97	25	
Bromodichloromethane	55.96	1.0	ug/L	50.1		112	68-129	7.43	22	
cis-1,3-Dichloropropene	53.00	1.0	ug/L	50.1		106	65-134	7.62	23	
4-Methyl-2-pentanone (MIBK)	124.2	5.0	ug/L	100		124	58-147	4.24	27	
Toluene	54.56	1.0	ug/L	50.5		108	72-133	13.5	24	
trans-1,3-Dichloropropene	54.59	1.0	ug/L	50.1		109	67-130	6.59	24	
1,1,2-Trichloroethane	50.97	1.0	ug/L	50.1		102	69-135	8.24	23	
Tetrachloroethylene	50.32	1.0	ug/L	50.1		100	69-130	10.7	25	
2-Hexanone (MBK)	124.3	5.0	ug/L	100		124	55-144	6.65	25	
Dibromochloromethane	53.57	1.0	ug/L	50.1		107	73-127	5.66	22	
1,2-Dibromoethane	52.79	1.0	ug/L	50.2		105	67-132	8.42	24	
Chlorobenzene	49.08	1.0	ug/L	50.1		98.0	72-123	10.5	23	
1,1,1,2-Tetrachloroethane	48.45	1.0	ug/L	50.3		96.2	73-127	10.6	24	
Ethylbenzene	53.04	1.0	ug/L	50.2		106	71-127	11.3	26	
Xylenes, total	159.1	2.0	ug/L	151		105	74-127	10.1	25	
Styrene	55.54	1.0	ug/L	50.4		110	66-126	8.70	23	
Bromoform	54.69	1.0	ug/L	50.1		109	68-130	6.46	23	
1,2,3-Trichloropropane	47.09	1.0	ug/L	50.3		93.5	63-136	5.15	24	
trans-1,4-Dichloro-2-butene	107.0	5.0	ug/L	100		107	54-134	9.33	27	
1,1,2,2-Tetrachloroethane	49.61	1.0	ug/L	50.1		99.0	61-131	11.2	29	
1,4-Dichlorobenzene	45.85	1.0	ug/L	50.1		91.5	70-129	9.91	24	
1,2-Dichlorobenzene	45.52	1.0	ug/L	50.1		90.9	69-126	10.4	26	
1,2-Dibromo-3-chloropropane	55.56	5.0	ug/L	50.1		111	50-143	2.07	30	
Surrogate: Dibromofluoromethane	51.8		ug/L	50.2		103	75-136			
Surrogate: 1,2-Dichloroethane-d4	51.3		ug/L	50.1		102	61-142			
Surrogate: Toluene-d8	50.3		ug/L	50.4		99.9	82-121			
Surrogate: 4-Bromofluorobenzene	50.4		ug/L	50.1		100	80-116			

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0990 - EPA 5030B - EPA 8260D										
Matrix Spike (1ID0990-MS1)	Source: 1ID1421-01			Prepared: 04/17/25 00:00 Analyzed: 04/17/25 22:45						
Chloromethane	309.2	10.0	ug/L	303	ND	102	61-152			
Vinyl Chloride	314.6	10.0	ug/L	302	ND	104	66-149			
Bromomethane	294.6	10.0	ug/L	301	ND	97.8	43-171			
Chloroethane	319.2	10.0	ug/L	303	ND	105	69-148			
Trichlorofluoromethane	338.6	10.0	ug/L	303	ND	112	62-163			
1,1-Dichloroethylene	621.8	10.0	ug/L	501	ND	124	70-148			
Acetone	1280	100	ug/L	1000	ND	128	45-173			
Methyl Iodide	1026	10.0	ug/L	1000	ND	103	62-167			
Carbon Disulfide	1075	10.0	ug/L	1000	ND	107	71-163			
Methylene Chloride	498.3	50.0	ug/L	501	ND	99.5	69-140			
trans-1,2-Dichloroethylene	584.6	10.0	ug/L	501	ND	117	69-144			
1,1-Dichloroethane	575.0	10.0	ug/L	501	ND	115	70-138			
Vinyl Acetate	1694	50.0	ug/L	1400	ND	121	58-142			
cis-1,2-Dichloroethylene	558.6	10.0	ug/L	504	ND	111	68-151			
2-Butanone (MEK)	1056	100	ug/L	1000	ND	106	50-160			
Bromochloromethane	568.9	10.0	ug/L	504	ND	113	65-143			
Chloroform	561.5	10.0	ug/L	501	ND	112	71-143			
1,1,1-Trichloroethane	590.5	10.0	ug/L	501	ND	118	63-133			
Carbon Tetrachloride	586.0	10.0	ug/L	501	ND	117	63-142			
Benzene	528.3	10.0	ug/L	504	ND	105	69-133			
1,2-Dichloroethane	562.8	10.0	ug/L	501	ND	112	63-138			
Trichloroethylene	546.6	10.0	ug/L	501	ND	109	71-133			
1,2-Dichloropropane	546.2	10.0	ug/L	501	ND	109	69-132			
Dibromomethane	557.9	10.0	ug/L	504	ND	111	70-147			
Bromodichloromethane	583.9	10.0	ug/L	501	ND	117	67-130			
cis-1,3-Dichloropropene	516.7	10.0	ug/L	501	ND	103	61-126			
4-Methyl-2-pentanone (MIBK)	1144	50.0	ug/L	1000	ND	114	55-147			
Toluene	571.5	10.0	ug/L	505	ND	113	71-133			
trans-1,3-Dichloropropene	516.5	10.0	ug/L	501	ND	103	63-124			
1,1,2-Trichloroethane	521.3	10.0	ug/L	501	ND	104	69-133			
Tetrachloroethylene	521.0	10.0	ug/L	501	ND	104	70-124			
2-Hexanone (MBK)	1148	50.0	ug/L	1000	ND	115	53-141			
Dibromochloromethane	535.0	10.0	ug/L	501	ND	107	74-122			
1,2-Dibromoethane	525.0	10.0	ug/L	502	ND	105	66-127			
Chlorobenzene	504.2	10.0	ug/L	501	ND	101	76-116			
1,1,1,2-Tetrachloroethane	505.3	10.0	ug/L	503	ND	100	77-121			
Ethylbenzene	546.1	10.0	ug/L	502	ND	109	73-124			
Xylenes, total	1625	20.0	ug/L	1510	ND	108	75-123			
Styrene	557.8	10.0	ug/L	504	ND	111	70-120			
Bromoform	500.9	10.0	ug/L	501	ND	100	70-124			
1,2,3-Trichloropropane	494.2	10.0	ug/L	503	ND	98.2	62-135			
trans-1,4-Dichloro-2-butene	1023	50.0	ug/L	1000	ND	102	50-120			
1,1,2,2-Tetrachloroethane	492.4	10.0	ug/L	501	ND	98.3	63-126			

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CERTIFICATE OF ANALYSIS

11D1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11D0990 - EPA 5030B - EPA 8260D										
Matrix Spike (11D0990-MS1)	Source: 11D1421-01			Prepared: 04/17/25 00:00 Analyzed: 04/17/25 22:45						
1,4-Dichlorobenzene	464.9	10.0	ug/L	501	ND	92.7	72-119			
1,2-Dichlorobenzene	452.4	10.0	ug/L	501	ND	90.3	71-117			
1,2-Dibromo-3-chloropropane	494.6	50.0	ug/L	501	ND	98.7	49-134			
Surrogate: Dibromofluoromethane	520		ug/L	502		104	75-136			
Surrogate: 1,2-Dichloroethane-d4	511		ug/L	501		102	61-142			
Surrogate: Toluene-d8	499		ug/L	504		99.0	82-121			
Surrogate: 4-Bromofluorobenzene	518		ug/L	501		103	80-116			
Matrix Spike Dup (11D0990-MSD1)	Source: 11D1421-01			Prepared: 04/17/25 00:00 Analyzed: 04/17/25 23:08						
Chloromethane	272.2	10.0	ug/L	303	ND	89.8	61-152	12.7	26	
Vinyl Chloride	276.3	10.0	ug/L	302	ND	91.3	66-149	13.0	23	
Bromomethane	261.2	10.0	ug/L	301	ND	86.7	43-171	12.0	29	
Chloroethane	273.0	10.0	ug/L	303	ND	90.0	69-148	15.6	25	
Trichlorofluoromethane	300.6	10.0	ug/L	303	ND	99.2	62-163	11.9	25	
1,1-Dichloroethylene	556.9	10.0	ug/L	501	ND	111	70-148	11.0	22	
Acetone	1300	100	ug/L	1000	ND	130	45-173	1.57	30	
Methyl Iodide	917.2	10.0	ug/L	1000	ND	91.7	62-167	11.1	24	
Carbon Disulfide	941.7	10.0	ug/L	1000	ND	94.2	71-163	13.2	22	
Methylene Chloride	459.6	50.0	ug/L	501	ND	91.7	69-140	8.08	19	
trans-1,2-Dichloroethylene	538.3	10.0	ug/L	501	ND	107	69-144	8.25	22	
1,1-Dichloroethane	531.2	10.0	ug/L	501	ND	106	70-138	7.92	20	
Vinyl Acetate	1653	50.0	ug/L	1400	ND	118	58-142	2.41	24	
cis-1,2-Dichloroethylene	515.5	10.0	ug/L	504	ND	102	68-151	8.03	22	
2-Butanone (MEK)	1083	100	ug/L	1000	ND	108	50-160	2.59	23	
Bromochloromethane	532.4	10.0	ug/L	504	ND	106	65-143	6.63	22	
Chloroform	525.3	10.0	ug/L	501	ND	105	71-143	6.66	21	
1,1,1-Trichloroethane	535.6	10.0	ug/L	501	ND	107	63-133	9.75	23	
Carbon Tetrachloride	525.1	10.0	ug/L	501	ND	105	63-142	11.0	22	
Benzene	468.6	10.0	ug/L	504	ND	92.9	69-133	12.0	18	
1,2-Dichloroethane	534.9	10.0	ug/L	501	ND	107	63-138	5.08	20	
Trichloroethylene	484.8	10.0	ug/L	501	ND	96.8	71-133	12.0	23	
1,2-Dichloropropane	500.0	10.0	ug/L	501	ND	99.8	69-132	8.83	20	
Dibromomethane	548.0	10.0	ug/L	504	ND	109	70-147	1.79	22	
Bromodichloromethane	535.3	10.0	ug/L	501	ND	107	67-130	8.68	21	
cis-1,3-Dichloropropene	495.3	10.0	ug/L	501	ND	98.9	61-126	4.23	21	
4-Methyl-2-pentanone (MIBK)	1141	50.0	ug/L	1000	ND	114	55-147	0.306	23	
Toluene	508.7	10.0	ug/L	505	ND	101	71-133	11.6	19	
trans-1,3-Dichloropropene	493.9	10.0	ug/L	501	ND	98.6	63-124	4.47	21	
1,1,2-Trichloroethane	496.2	10.0	ug/L	501	ND	99.1	69-133	4.93	19	
Tetrachloroethylene	454.4	10.0	ug/L	501	ND	90.7	70-124	13.7	24	
2-Hexanone (MBK)	1130	50.0	ug/L	1000	ND	113	53-141	1.62	24	
Dibromochloromethane	516.1	10.0	ug/L	501	ND	103	74-122	3.60	21	
1,2-Dibromoethane	503.3	10.0	ug/L	502	ND	100	66-127	4.22	23	

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0990 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1ID0990-MSD1)		Source: 1ID1421-01		Prepared: 04/17/25 00:00 Analyzed: 04/17/25 23:08						
Chlorobenzene	453.6	10.0	ug/L	501	ND	90.6	76-116	10.6	21	
1,1,1,2-Tetrachloroethane	458.8	10.0	ug/L	503	ND	91.1	77-121	9.65	25	
Ethylbenzene	483.8	10.0	ug/L	502	ND	96.4	73-124	12.1	20	
Xylenes, total	1442	20.0	ug/L	1510	ND	95.4	75-123	12.0	20	
Styrene	501.8	10.0	ug/L	504	ND	99.6	70-120	10.6	23	
Bromoform	515.5	10.0	ug/L	501	ND	103	70-124	2.87	22	
1,2,3-Trichloropropane	448.5	10.0	ug/L	503	ND	89.1	62-135	9.70	28	
trans-1,4-Dichloro-2-butene	981.7	50.0	ug/L	1000	ND	98.2	50-120	4.10	26	
1,1,2,2-Tetrachloroethane	491.4	10.0	ug/L	501	ND	98.1	63-126	0.203	24	
1,4-Dichlorobenzene	445.0	10.0	ug/L	501	ND	88.8	72-119	4.37	24	
1,2-Dichlorobenzene	445.6	10.0	ug/L	501	ND	89.0	71-117	1.51	24	
1,2-Dibromo-3-chloropropane	465.6	50.0	ug/L	501	ND	92.9	49-134	6.04	28	
Surrogate: Dibromofluoromethane	526		ug/L	502		105	75-136			
Surrogate: 1,2-Dichloroethane-d4	522		ug/L	501		104	61-142			
Surrogate: Toluene-d8	502		ug/L	504		99.7	82-121			
Surrogate: 4-Bromofluorobenzene	500		ug/L	501		99.7	80-116			

Batch 1ID1057 - EPA 5030B - EPA 8260D

Blank (1ID1057-BLK1)		Prepared: 04/18/25 00:00 Analyzed: 04/18/25 11:47								
Dichlorodifluoromethane	<1.0	1.0	ug/L							
Chloromethane	<1.0	1.0	ug/L							
Chloromethane	<1.0	1.0	ug/L							
Vinyl Chloride	<1.0	1.0	ug/L							
Vinyl Chloride	<1.0	1.0	ug/L							
Bromomethane	<1.0	1.0	ug/L							
Bromomethane	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Trichlorofluoromethane	<1.0	1.0	ug/L							
Trichlorofluoromethane	<1.0	1.0	ug/L							
Acrolein	<10.0	10.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
Acetone	<10.0	10.0	ug/L							
Acetone	<10.0	10.0	ug/L							
Methyl Iodide	<2.0	2.0	ug/L							
Methyl Iodide	<1.0	1.0	ug/L							
Carbon Disulfide	<1.0	1.0	ug/L							
Carbon Disulfide	<1.0	1.0	ug/L							
Acetonitrile	<10.0	10.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1057 - EPA 5030B - EPA 8260D										
Blank (1ID1057-BLK1)				Prepared: 04/18/25 00:00 Analyzed: 04/18/25 11:47						
Acrylonitrile	<5.0	5.0	ug/L							
Acrylonitrile	<5.0	5.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
Vinyl Acetate	<5.0	5.0	ug/L							
Vinyl Acetate	<5.0	5.0	ug/L							
2,2-Dichloropropane	<1.0	1.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<5.0	5.0	ug/L							
2-Butanone (MEK)	<10.0	10.0	ug/L							
Bromochloromethane	<1.0	1.0	ug/L							
Bromochloromethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
1,1-Dichloropropene	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Benzene	<1.0	1.0	ug/L							
Benzene	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L							
Toluene	<1.0	1.0	ug/L							
Toluene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							
Ethyl Methacrylate	<10.0	10.0	ug/L							

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1057 - EPA 5030B - EPA 8260D										
Blank (1ID1057-BLK1)				Prepared: 04/18/25 00:00 Analyzed: 04/18/25 11:47						
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene	<1.0	1.0	ug/L							
Tetrachloroethylene	<1.0	1.0	ug/L							
1,3-Dichloropropane	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<5.0	5.0	ug/L							
2-Hexanone (MBK)	<5.0	5.0	ug/L							
Dibromochloromethane	<1.0	1.0	ug/L							
Dibromochloromethane	<1.0	1.0	ug/L							
1,2-Dibromoethane	<1.0	1.0	ug/L							
1,2-Dibromoethane	<1.0	1.0	ug/L							
Chlorobenzene	<1.0	1.0	ug/L							
Chlorobenzene	<1.0	1.0	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Xylenes, total	<2.0	2.0	ug/L							
Xylenes, total	<2.0	2.0	ug/L							
Styrene	<1.0	1.0	ug/L							
Styrene	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							
1,2,3-Trichloropropane	<1.0	1.0	ug/L							
1,2,3-Trichloropropane	<1.0	1.0	ug/L							
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L							
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,3-Dichlorobenzene	<1.0	1.0	ug/L							
1,4-Dichlorobenzene	<1.0	1.0	ug/L							
1,4-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L							
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L							
Surrogate: Dibromofluoromethane	41.6		ug/L	50.2		82.9	57-134			
Surrogate: Dibromofluoromethane	41.6		ug/L	50.2		82.9	57-134			
Surrogate: Dibromofluoromethane	41.6		ug/L	50.2		82.9	75-136			
Surrogate: 1,2-Dichloroethane-d4	37.7		ug/L	50.1		75.2	53-140			
Surrogate: 1,2-Dichloroethane-d4	37.7		ug/L	50.1		75.2	53-140			
Surrogate: 1,2-Dichloroethane-d4	37.7		ug/L	50.1		75.2	53-140			

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1057 - EPA 5030B - EPA 8260D									
Blank (1ID1057-BLK1)									
				Prepared: 04/18/25 00:00 Analyzed: 04/18/25 11:47					
Surrogate: 1,2-Dichloroethane-d4	37.7		ug/L	50.1		75.2 61-142			
Surrogate: Toluene-d8	52.2		ug/L	50.4		104 86-114			
Surrogate: Toluene-d8	52.2		ug/L	50.4		104 86-114			
Surrogate: Toluene-d8	52.2		ug/L	50.4		104 86-114			
Surrogate: Toluene-d8	52.2		ug/L	50.4		104 82-121			
Surrogate: 4-Bromofluorobenzene	43.9		ug/L	50.1		87.5 78-121			
Surrogate: 4-Bromofluorobenzene	43.9		ug/L	50.1		87.5 78-121			
Surrogate: 4-Bromofluorobenzene	43.9		ug/L	50.1		87.5 78-121			
Surrogate: 4-Bromofluorobenzene	43.9		ug/L	50.1		87.5 80-116			
LCS (1ID1057-BS1)									
				Prepared: 04/18/25 00:00 Analyzed: 04/18/25 10:40					
Dichlorodifluoromethane	32.31	1.0	ug/L	30.3		107 49-138			
Chloromethane	30.45	1.0	ug/L	30.3		100 60-141			
Chloromethane	30.45	1.0	ug/L	30.3		100 63-155			
Vinyl Chloride	30.61	1.0	ug/L	30.2		101 65-137			
Vinyl Chloride	30.61	1.0	ug/L	30.2		101 70-154			
Bromomethane	29.03	1.0	ug/L	30.1		96.4 47-173			
Bromomethane	29.03	1.0	ug/L	30.1		96.4 52-176			
Chloroethane	30.19	1.0	ug/L	30.3		99.6 67-145			
Chloroethane	30.19	1.0	ug/L	30.3		99.6 72-148			
Trichlorofluoromethane	32.42	1.0	ug/L	30.3		107 63-127			
Trichlorofluoromethane	32.42	1.0	ug/L	30.3		107 70-152			
Acrolein	47.72	10.0	ug/L	50.4		94.8 21-142			
1,1-Dichloroethylene	60.07	1.0	ug/L	50.1		120 69-136			
1,1-Dichloroethylene	60.07	1.0	ug/L	50.1		120 70-148			
Acetone	126.1	10.0	ug/L	100		126 45-153			
Acetone	126.1	10.0	ug/L	100		126 43-172			
Methyl Iodide	100.1	2.0	ug/L	100		100 58-156			
Methyl Iodide	100.1	1.0	ug/L	100		100 69-170			
Carbon Disulfide	104.1	1.0	ug/L	100		104 68-128			
Carbon Disulfide	104.1	1.0	ug/L	100		104 72-162			
Acetonitrile	131.0	10.0	ug/L	100		131 35-177			
Methylene Chloride	50.25	5.0	ug/L	50.1		100 65-124			
Methylene Chloride	50.25	5.0	ug/L	50.1		100 68-142			
Acrylonitrile	60.13	5.0	ug/L	50.2		120 56-135			
Acrylonitrile	60.13	5.0	ug/L	50.2		120 56-135			
trans-1,2-Dichloroethylene	57.57	1.0	ug/L	50.1		115 74-126			
trans-1,2-Dichloroethylene	57.57	1.0	ug/L	50.1		115 66-148			
1,1-Dichloroethane	57.13	1.0	ug/L	50.1		114 73-122			
1,1-Dichloroethane	57.13	1.0	ug/L	50.1		114 66-143			
Vinyl Acetate	170.8	5.0	ug/L	140		122 24-171			
Vinyl Acetate	170.8	5.0	ug/L	140		122 43-153			
2,2-Dichloropropane	58.41	1.0	ug/L	50.3		116 68-120			
cis-1,2-Dichloroethylene	54.67	1.0	ug/L	50.4		109 65-149			

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1057 - EPA 5030B - EPA 8260D										
LCS (1ID1057-BS1)				Prepared: 04/18/25 00:00 Analyzed: 04/18/25 10:40						
cis-1,2-Dichloroethylene	54.67	1.0	ug/L	50.4		109	71-149			
2-Butanone (MEK)	108.4	5.0	ug/L	100		108	57-147			
2-Butanone (MEK)	108.4	10.0	ug/L	100		108	52-159			
Bromochloromethane	57.28	1.0	ug/L	50.4		114	76-125			
Bromochloromethane	57.28	1.0	ug/L	50.4		114	69-143			
Chloroform	55.25	1.0	ug/L	50.1		110	71-125			
Chloroform	55.25	1.0	ug/L	50.1		110	69-144			
1,1,1-Trichloroethane	57.21	1.0	ug/L	50.1		114	66-118			
1,1,1-Trichloroethane	57.21	1.0	ug/L	50.1		114	62-129			
1,1-Dichloropropene	55.69	1.0	ug/L	50.5		110	69-130			
Carbon Tetrachloride	55.78	1.0	ug/L	50.1		111	68-126			
Carbon Tetrachloride	55.78	1.0	ug/L	50.1		111	63-141			
Benzene	51.46	1.0	ug/L	50.4		102	81-123			
Benzene	51.46	1.0	ug/L	50.4		102	71-134			
1,2-Dichloroethane	55.96	1.0	ug/L	50.1		112	70-130			
1,2-Dichloroethane	55.96	1.0	ug/L	50.1		112	72-132			
Trichloroethylene	52.38	1.0	ug/L	50.1		105	84-118			
Trichloroethylene	52.38	1.0	ug/L	50.1		105	71-135			
1,2-Dichloropropane	53.66	1.0	ug/L	50.1		107	87-118			
1,2-Dichloropropane	53.66	1.0	ug/L	50.1		107	69-136			
Dibromomethane	56.84	1.0	ug/L	50.4		113	82-126			
Dibromomethane	56.84	1.0	ug/L	50.4		113	73-147			
Bromodichloromethane	56.51	1.0	ug/L	50.1		113	80-116			
Bromodichloromethane	56.51	1.0	ug/L	50.1		113	68-129			
cis-1,3-Dichloropropene	54.31	1.0	ug/L	50.1		108	83-116			
cis-1,3-Dichloropropene	54.31	1.0	ug/L	50.1		108	65-134			
4-Methyl-2-pentanone (MIBK)	118.5	5.0	ug/L	100		118	74-138			
4-Methyl-2-pentanone (MIBK)	118.5	5.0	ug/L	100		118	58-147			
Toluene	54.82	1.0	ug/L	50.5		109	78-123			
Toluene	54.82	1.0	ug/L	50.5		109	72-133			
trans-1,3-Dichloropropene	54.39	1.0	ug/L	50.1		109	75-120			
trans-1,3-Dichloropropene	54.39	1.0	ug/L	50.1		109	67-130			
Ethyl Methacrylate	109.2	10.0	ug/L	100		109	77-129			
1,1,2-Trichloroethane	51.60	1.0	ug/L	50.1		103	81-121			
1,1,2-Trichloroethane	51.60	1.0	ug/L	50.1		103	69-135			
Tetrachloroethylene	48.85	1.0	ug/L	50.1		97.5	76-120			
Tetrachloroethylene	48.85	1.0	ug/L	50.1		97.5	69-130			
1,3-Dichloropropane	52.66	1.0	ug/L	50.4		104	86-131			
2-Hexanone (MBK)	115.6	5.0	ug/L	100		116	76-139			
2-Hexanone (MBK)	115.6	5.0	ug/L	100		116	55-144			
Dibromochloromethane	52.87	1.0	ug/L	50.1		106	83-123			
Dibromochloromethane	52.87	1.0	ug/L	50.1		106	73-127			
1,2-Dibromoethane	52.42	1.0	ug/L	50.2		104	86-115			

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1057 - EPA 5030B - EPA 8260D										
LCS (1ID1057-BS1)				Prepared: 04/18/25 00:00 Analyzed: 04/18/25 10:40						
1,2-Dibromoethane	52.42	1.0	ug/L	50.2		104	67-132			
Chlorobenzene	48.02	1.0	ug/L	50.1		95.9	82-117			
Chlorobenzene	48.02	1.0	ug/L	50.1		95.9	72-123			
1,1,1,2-Tetrachloroethane	48.47	1.0	ug/L	50.3		96.3	86-119			
1,1,1,2-Tetrachloroethane	48.47	1.0	ug/L	50.3		96.3	73-127			
Ethylbenzene	51.62	1.0	ug/L	50.2		103	80-122			
Ethylbenzene	51.62	1.0	ug/L	50.2		103	71-127			
Xylenes, total	155.0	2.0	ug/L	151		103	81-122			
Xylenes, total	155.0	2.0	ug/L	151		103	74-127			
Styrene	53.82	1.0	ug/L	50.4		107	85-118			
Styrene	53.82	1.0	ug/L	50.4		107	66-126			
Bromoform	51.65	1.0	ug/L	50.1		103	80-123			
Bromoform	51.65	1.0	ug/L	50.1		103	68-130			
1,2,3-Trichloropropane	46.74	1.0	ug/L	50.3		92.8	83-126			
1,2,3-Trichloropropane	46.74	1.0	ug/L	50.3		92.8	63-136			
trans-1,4-Dichloro-2-butene	103.5	5.0	ug/L	100		103	67-118			
trans-1,4-Dichloro-2-butene	103.5	5.0	ug/L	100		103	54-134			
1,1,2,2-Tetrachloroethane	47.71	1.0	ug/L	50.1		95.2	81-124			
1,1,2,2-Tetrachloroethane	47.71	1.0	ug/L	50.1		95.2	61-131			
1,3-Dichlorobenzene	47.62	1.0	ug/L	50.1		95.1	83-114			
1,4-Dichlorobenzene	44.90	1.0	ug/L	50.1		89.6	83-117			
1,4-Dichlorobenzene	44.90	1.0	ug/L	50.1		89.6	70-129			
1,2-Dichlorobenzene	44.10	1.0	ug/L	50.1		88.0	83-116			
1,2-Dichlorobenzene	44.10	1.0	ug/L	50.1		88.0	69-126			
1,2-Dibromo-3-chloropropane	48.76	1.0	ug/L	50.1		97.3	77-128			
1,2-Dibromo-3-chloropropane	48.76	5.0	ug/L	50.1		97.3	50-143			
1,2,4-Trichlorobenzene	36.46	1.0	ug/L	50.4		72.4	66-134			
Surrogate: Dibromofluoromethane	53.3		ug/L	50.2		106	57-134			
Surrogate: Dibromofluoromethane	53.3		ug/L	50.2		106	57-134			
Surrogate: Dibromofluoromethane	53.3		ug/L	50.2		106	75-136			
Surrogate: 1,2-Dichloroethane-d4	51.9		ug/L	50.1		104	53-140			
Surrogate: 1,2-Dichloroethane-d4	51.9		ug/L	50.1		104	53-140			
Surrogate: 1,2-Dichloroethane-d4	51.9		ug/L	50.1		104	53-140			
Surrogate: 1,2-Dichloroethane-d4	51.9		ug/L	50.1		104	61-142			
Surrogate: Toluene-d8	50.7		ug/L	50.4		101	86-114			
Surrogate: Toluene-d8	50.7		ug/L	50.4		101	86-114			
Surrogate: Toluene-d8	50.7		ug/L	50.4		101	86-114			
Surrogate: Toluene-d8	50.7		ug/L	50.4		101	82-121			
Surrogate: 4-Bromofluorobenzene	50.7		ug/L	50.1		101	78-121			
Surrogate: 4-Bromofluorobenzene	50.7		ug/L	50.1		101	78-121			
Surrogate: 4-Bromofluorobenzene	50.7		ug/L	50.1		101	78-121			
Surrogate: 4-Bromofluorobenzene	50.7		ug/L	50.1		101	80-116			
LCS Dup (1ID1057-BSD1)				Prepared: 04/18/25 00:00 Analyzed: 04/18/25 11:02						
Dichlorodifluoromethane	31.71	1.0	ug/L	30.3		105	49-138	1.87	22	

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1057 - EPA 5030B - EPA 8260D										
LCS Dup (1ID1057-BSD1)										
Prepared: 04/18/25 00:00 Analyzed: 04/18/25 11:02										
Chloromethane	30.51	1.0	ug/L	30.3		101	60-141	0.197	30	
Chloromethane	30.51	1.0	ug/L	30.3		101	63-155	0.197	24	
Vinyl Chloride	30.05	1.0	ug/L	30.2		99.3	65-137	1.85	20	
Vinyl Chloride	30.05	1.0	ug/L	30.2		99.3	70-154	1.85	25	
Bromomethane	29.22	1.0	ug/L	30.1		97.0	47-173	0.652	17	
Bromomethane	29.22	1.0	ug/L	30.1		97.0	52-176	0.652	27	
Chloroethane	30.10	1.0	ug/L	30.3		99.3	67-145	0.299	30	
Chloroethane	30.10	1.0	ug/L	30.3		99.3	72-148	0.299	25	
Trichlorofluoromethane	31.54	1.0	ug/L	30.3		104	63-127	2.75	15	
Trichlorofluoromethane	31.54	1.0	ug/L	30.3		104	70-152	2.75	26	
Acrolein	51.33	10.0	ug/L	50.4		102	21-142	7.29	18	
1,1-Dichloroethylene	58.89	1.0	ug/L	50.1		117	69-136	1.98	30	
1,1-Dichloroethylene	58.89	1.0	ug/L	50.1		117	70-148	1.98	24	
Acetone	125.5	10.0	ug/L	100		126	45-153	0.469	23	
Acetone	125.5	10.0	ug/L	100		126	43-172	0.469	30	
Methyl Iodide	98.50	2.0	ug/L	100		98.5	58-156	1.57	17	
Methyl Iodide	98.50	1.0	ug/L	100		98.5	69-170	1.57	30	
Carbon Disulfide	101.8	1.0	ug/L	100		102	68-128	2.27	30	
Carbon Disulfide	101.8	1.0	ug/L	100		102	72-162	2.27	24	
Acetonitrile	133.8	10.0	ug/L	100		134	35-177	2.08	30	
Methylene Chloride	49.29	5.0	ug/L	50.1		98.4	65-124	1.93	30	
Methylene Chloride	49.29	5.0	ug/L	50.1		98.4	68-142	1.93	21	
Acrylonitrile	59.94	5.0	ug/L	50.2		119	56-135	0.316	16	
Acrylonitrile	59.94	5.0	ug/L	50.2		119	56-135	0.316	16	
trans-1,2-Dichloroethylene	57.43	1.0	ug/L	50.1		115	74-126	0.243	30	
trans-1,2-Dichloroethylene	57.43	1.0	ug/L	50.1		115	66-148	0.243	27	
1,1-Dichloroethane	56.05	1.0	ug/L	50.1		112	73-122	1.91	30	
1,1-Dichloroethane	56.05	1.0	ug/L	50.1		112	66-143	1.91	24	
Vinyl Acetate	170.8	5.0	ug/L	140		122	24-171	0.00586	30	
Vinyl Acetate	170.8	5.0	ug/L	140		122	43-153	0.00586	30	
2,2-Dichloropropane	57.76	1.0	ug/L	50.3		115	68-120	1.12	14	
cis-1,2-Dichloroethylene	54.45	1.0	ug/L	50.4		108	65-149	0.403	30	
cis-1,2-Dichloroethylene	54.45	1.0	ug/L	50.4		108	71-149	0.403	26	
2-Butanone (MEK)	116.9	5.0	ug/L	100		117	57-147	7.55	18	
2-Butanone (MEK)	116.9	10.0	ug/L	100		117	52-159	7.55	27	
Bromochloromethane	57.53	1.0	ug/L	50.4		114	76-125	0.436	30	
Bromochloromethane	57.53	1.0	ug/L	50.4		114	69-143	0.436	23	
Chloroform	54.61	1.0	ug/L	50.1		109	71-125	1.17	30	
Chloroform	54.61	1.0	ug/L	50.1		109	69-144	1.17	23	
1,1,1-Trichloroethane	56.28	1.0	ug/L	50.1		112	66-118	1.64	30	
1,1,1-Trichloroethane	56.28	1.0	ug/L	50.1		112	62-129	1.64	24	
1,1-Dichloropropene	54.66	1.0	ug/L	50.5		108	69-130	1.87	30	
Carbon Tetrachloride	54.89	1.0	ug/L	50.1		110	68-126	1.61	13	

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1057 - EPA 5030B - EPA 8260D										
LCS Dup (1ID1057-BSD1)				Prepared: 04/18/25 00:00 Analyzed: 04/18/25 11:02						
Carbon Tetrachloride	54.89	1.0	ug/L	50.1		110	63-141	1.61	25	
Benzene	49.48	1.0	ug/L	50.4		98.1	81-123	3.92	30	
Benzene	49.48	1.0	ug/L	50.4		98.1	71-134	3.92	24	
1,2-Dichloroethane	56.13	1.0	ug/L	50.1		112	70-130	0.303	30	
1,2-Dichloroethane	56.13	1.0	ug/L	50.1		112	72-132	0.303	24	
Trichloroethylene	51.67	1.0	ug/L	50.1		103	84-118	1.36	30	
Trichloroethylene	51.67	1.0	ug/L	50.1		103	71-135	1.36	24	
1,2-Dichloropropane	53.11	1.0	ug/L	50.1		106	87-118	1.03	30	
1,2-Dichloropropane	53.11	1.0	ug/L	50.1		106	69-136	1.03	24	
Dibromomethane	56.37	1.0	ug/L	50.4		112	82-126	0.830	30	
Dibromomethane	56.37	1.0	ug/L	50.4		112	73-147	0.830	25	
Bromodichloromethane	56.44	1.0	ug/L	50.1		113	80-116	0.124	30	
Bromodichloromethane	56.44	1.0	ug/L	50.1		113	68-129	0.124	22	
cis-1,3-Dichloropropene	52.90	1.0	ug/L	50.1		106	83-116	2.63	30	
cis-1,3-Dichloropropene	52.90	1.0	ug/L	50.1		106	65-134	2.63	23	
4-Methyl-2-pentanone (MIBK)	117.7	5.0	ug/L	100		118	74-138	0.627	30	
4-Methyl-2-pentanone (MIBK)	117.7	5.0	ug/L	100		118	58-147	0.627	27	
Toluene	53.69	1.0	ug/L	50.5		106	78-123	2.08	30	
Toluene	53.69	1.0	ug/L	50.5		106	72-133	2.08	24	
trans-1,3-Dichloropropene	53.11	1.0	ug/L	50.1		106	75-120	2.38	30	
trans-1,3-Dichloropropene	53.11	1.0	ug/L	50.1		106	67-130	2.38	24	
Ethyl Methacrylate	112.0	10.0	ug/L	100		112	77-129	2.55	30	
1,1,2-Trichloroethane	51.36	1.0	ug/L	50.1		103	81-121	0.466	30	
1,1,2-Trichloroethane	51.36	1.0	ug/L	50.1		103	69-135	0.466	23	
Tetrachloroethylene	48.39	1.0	ug/L	50.1		96.6	76-120	0.946	30	
Tetrachloroethylene	48.39	1.0	ug/L	50.1		96.6	69-130	0.946	25	
1,3-Dichloropropane	53.41	1.0	ug/L	50.4		106	86-131	1.41	30	
2-Hexanone (MBK)	121.2	5.0	ug/L	100		121	76-139	4.67	15	
2-Hexanone (MBK)	121.2	5.0	ug/L	100		121	55-144	4.67	25	
Dibromochloromethane	53.73	1.0	ug/L	50.1		107	83-123	1.61	15	
Dibromochloromethane	53.73	1.0	ug/L	50.1		107	73-127	1.61	22	
1,2-Dibromoethane	53.94	1.0	ug/L	50.2		107	86-115	2.86	30	
1,2-Dibromoethane	53.94	1.0	ug/L	50.2		107	67-132	2.86	24	
Chlorobenzene	48.32	1.0	ug/L	50.1		96.5	82-117	0.623	30	
Chlorobenzene	48.32	1.0	ug/L	50.1		96.5	72-123	0.623	23	
1,1,1,2-Tetrachloroethane	49.43	1.0	ug/L	50.3		98.2	86-119	1.96	30	
1,1,1,2-Tetrachloroethane	49.43	1.0	ug/L	50.3		98.2	73-127	1.96	24	
Ethylbenzene	51.41	1.0	ug/L	50.2		102	80-122	0.408	30	
Ethylbenzene	51.41	1.0	ug/L	50.2		102	71-127	0.408	26	
Xylenes, total	155.6	2.0	ug/L	151		103	81-122	0.380	30	
Xylenes, total	155.6	2.0	ug/L	151		103	74-127	0.380	25	
Styrene	53.74	1.0	ug/L	50.4		107	85-118	0.149	30	
Styrene	53.74	1.0	ug/L	50.4		107	66-126	0.149	23	

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1057 - EPA 5030B - EPA 8260D										
LCS Dup (1ID1057-BSD1)										
Prepared: 04/18/25 00:00 Analyzed: 04/18/25 11:02										
Bromoform	53.06	1.0	ug/L	50.1		106	80-123	2.69	30	
Bromoform	53.06	1.0	ug/L	50.1		106	68-130	2.69	23	
1,2,3-Trichloropropane	46.89	1.0	ug/L	50.3		93.1	83-126	0.320	30	
1,2,3-Trichloropropane	46.89	1.0	ug/L	50.3		93.1	63-136	0.320	24	
trans-1,4-Dichloro-2-butene	106.5	5.0	ug/L	100		106	67-118	2.85	10	
trans-1,4-Dichloro-2-butene	106.5	5.0	ug/L	100		106	54-134	2.85	27	
1,1,2,2-Tetrachloroethane	52.58	1.0	ug/L	50.1		105	81-124	9.71	30	
1,1,2,2-Tetrachloroethane	52.58	1.0	ug/L	50.1		105	61-131	9.71	29	
1,3-Dichlorobenzene	50.38	1.0	ug/L	50.1		101	83-114	5.63	30	
1,4-Dichlorobenzene	47.16	1.0	ug/L	50.1		94.1	83-117	4.91	30	
1,4-Dichlorobenzene	47.16	1.0	ug/L	50.1		94.1	70-129	4.91	24	
1,2-Dichlorobenzene	47.14	1.0	ug/L	50.1		94.1	83-116	6.66	30	
1,2-Dichlorobenzene	47.14	1.0	ug/L	50.1		94.1	69-126	6.66	26	
1,2-Dibromo-3-chloropropane	54.27	1.0	ug/L	50.1		108	77-128	10.7	30	
1,2-Dibromo-3-chloropropane	54.27	5.0	ug/L	50.1		108	50-143	10.7	30	
1,2,4-Trichlorobenzene	36.53	1.0	ug/L	50.4		72.5	66-134	0.192	30	
Surrogate: Dibromofluoromethane	52.4		ug/L	50.2		105	57-134			
Surrogate: Dibromofluoromethane	52.4		ug/L	50.2		105	57-134			
Surrogate: Dibromofluoromethane	52.4		ug/L	50.2		105	75-136			
Surrogate: 1,2-Dichloroethane-d4	51.3		ug/L	50.1		102	53-140			
Surrogate: 1,2-Dichloroethane-d4	51.3		ug/L	50.1		102	53-140			
Surrogate: 1,2-Dichloroethane-d4	51.3		ug/L	50.1		102	53-140			
Surrogate: 1,2-Dichloroethane-d4	51.3		ug/L	50.1		102	61-142			
Surrogate: Toluene-d8	50.0		ug/L	50.4		99.2	86-114			
Surrogate: Toluene-d8	50.0		ug/L	50.4		99.2	86-114			
Surrogate: Toluene-d8	50.0		ug/L	50.4		99.2	86-114			
Surrogate: Toluene-d8	50.0		ug/L	50.4		99.2	82-121			
Surrogate: 4-Bromofluorobenzene	50.4		ug/L	50.1		100	78-121			
Surrogate: 4-Bromofluorobenzene	50.4		ug/L	50.1		100	78-121			
Surrogate: 4-Bromofluorobenzene	50.4		ug/L	50.1		100	78-121			
Surrogate: 4-Bromofluorobenzene	50.4		ug/L	50.1		100	80-116			
Matrix Spike (1ID1057-MS1)										
Source: 1ID1594-01										
Prepared: 04/18/25 00:00 Analyzed: 04/18/25 19:38										
Dichlorodifluoromethane	308.7	10.0	ug/L	303	ND	102	37-140			
Chloromethane	283.1	10.0	ug/L	303	ND	93.4	47-147			
Chloromethane	283.1	10.0	ug/L	303	ND	93.4	61-152			
Vinyl Chloride	297.6	10.0	ug/L	302	ND	98.4	55-142			
Vinyl Chloride	297.6	10.0	ug/L	302	ND	98.4	66-149			
Bromomethane	257.1	10.0	ug/L	301	ND	85.4	34-160			
Bromomethane	257.1	10.0	ug/L	301	ND	85.4	43-171			
Chloroethane	300.8	10.0	ug/L	303	ND	99.2	54-154			
Chloroethane	300.8	10.0	ug/L	303	ND	99.2	69-148			
Trichlorofluoromethane	326.7	10.0	ug/L	303	ND	108	49-131			
Trichlorofluoromethane	326.7	10.0	ug/L	303	ND	108	62-163			
Acrolein	395.7	100	ug/L	504	ND	78.6	22-138			

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1057 - EPA 5030B - EPA 8260D										
Matrix Spike (1ID1057-MS1)	Source: 1ID1594-01			Prepared: 04/18/25 00:00 Analyzed: 04/18/25 19:38						
1,1-Dichloroethylene	615.1	10.0	ug/L	501	ND	123	57-143			
1,1-Dichloroethylene	615.1	10.0	ug/L	501	ND	123	70-148			
Acetone	1245	100	ug/L	1000	ND	125	27-173			
Acetone	1245	100	ug/L	1000	ND	125	45-173			
Methyl Iodide	935.2	20.0	ug/L	1000	ND	93.5	39-157			
Methyl Iodide	935.2	10.0	ug/L	1000	ND	93.5	62-167			
Carbon Disulfide	1023	10.0	ug/L	1000	ND	102	53-136			
Carbon Disulfide	1023	10.0	ug/L	1000	ND	102	71-163			
Acetonitrile	1032	100	ug/L	1000	ND	103	11-189			
Methylene Chloride	434.4	50.0	ug/L	501	ND	86.7	57-128			
Methylene Chloride	434.4	50.0	ug/L	501	ND	86.7	69-140			
Acrylonitrile	540.7	50.0	ug/L	502	ND	108	38-147			
Acrylonitrile	540.7	50.0	ug/L	502	ND	108	38-147			
trans-1,2-Dichloroethylene	589.3	10.0	ug/L	501	ND	118	61-135			
trans-1,2-Dichloroethylene	589.3	10.0	ug/L	501	ND	118	69-144			
1,1-Dichloroethane	559.7	10.0	ug/L	501	ND	112	60-131			
1,1-Dichloroethane	559.7	10.0	ug/L	501	ND	112	70-138			
Vinyl Acetate	1452	50.0	ug/L	1400	ND	104	24-163			
Vinyl Acetate	1452	50.0	ug/L	1400	ND	104	58-142			
2,2-Dichloropropane	515.9	10.0	ug/L	503	ND	103	37-112			
cis-1,2-Dichloroethylene	539.5	10.0	ug/L	504	ND	107	47-162			
cis-1,2-Dichloroethylene	539.5	10.0	ug/L	504	ND	107	68-151			
2-Butanone (MEK)	1043	50.0	ug/L	1000	ND	104	45-156			
2-Butanone (MEK)	1043	100	ug/L	1000	ND	104	50-160			
Bromochloromethane	507.2	10.0	ug/L	504	ND	101	55-132			
Bromochloromethane	507.2	10.0	ug/L	504	ND	101	65-143			
Chloroform	543.0	10.0	ug/L	501	ND	108	45-142			
Chloroform	543.0	10.0	ug/L	501	ND	108	71-143			
1,1,1-Trichloroethane	592.9	10.0	ug/L	501	ND	118	52-128			
1,1,1-Trichloroethane	592.9	10.0	ug/L	501	ND	118	63-133			
1,1-Dichloropropene	577.9	10.0	ug/L	505	ND	114	49-138			
Carbon Tetrachloride	581.2	10.0	ug/L	501	ND	116	56-132			
Carbon Tetrachloride	581.2	10.0	ug/L	501	ND	116	63-142			
Benzene	532.4	10.0	ug/L	504	ND	106	77-124			
Benzene	532.4	10.0	ug/L	504	ND	106	69-133			
1,2-Dichloroethane	546.5	10.0	ug/L	501	ND	109	67-130			
1,2-Dichloroethane	546.5	10.0	ug/L	501	ND	109	63-138			
Trichloroethylene	569.4	10.0	ug/L	501	ND	114	75-123			
Trichloroethylene	569.4	10.0	ug/L	501	ND	114	71-133			
1,2-Dichloropropane	530.1	10.0	ug/L	501	ND	106	75-126			
1,2-Dichloropropane	530.1	10.0	ug/L	501	ND	106	69-132			
Dibromomethane	532.4	10.0	ug/L	504	ND	106	72-131			
Dibromomethane	532.4	10.0	ug/L	504	ND	106	70-147			

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1057 - EPA 5030B - EPA 8260D										
Matrix Spike (1ID1057-MS1)	Source: 1ID1594-01			Prepared: 04/18/25 00:00 Analyzed: 04/18/25 19:38						
Bromodichloromethane	564.7	10.0	ug/L	501	ND	113	70-123			
Bromodichloromethane	564.7	10.0	ug/L	501	ND	113	67-130			
cis-1,3-Dichloropropene	500.7	10.0	ug/L	501	ND	100	68-119			
cis-1,3-Dichloropropene	500.7	10.0	ug/L	501	ND	100	61-126			
4-Methyl-2-pentanone (MIBK)	1032	50.0	ug/L	1000	ND	103	57-153			
4-Methyl-2-pentanone (MIBK)	1032	50.0	ug/L	1000	ND	103	55-147			
Toluene	559.6	10.0	ug/L	505	ND	111	63-131			
Toluene	559.6	10.0	ug/L	505	ND	111	71-133			
trans-1,3-Dichloropropene	468.8	10.0	ug/L	501	ND	93.6	65-121			
trans-1,3-Dichloropropene	468.8	10.0	ug/L	501	ND	93.6	63-124			
Ethyl Methacrylate	930.1	100	ug/L	1000	ND	93.0	62-137			
1,1,2-Trichloroethane	484.5	10.0	ug/L	501	ND	96.7	76-124			
1,1,2-Trichloroethane	484.5	10.0	ug/L	501	ND	96.7	69-133			
Tetrachloroethylene	575.6	10.0	ug/L	501	ND	115	77-117			
Tetrachloroethylene	575.6	10.0	ug/L	501	ND	115	70-124			
1,3-Dichloropropane	518.3	10.0	ug/L	504	ND	103	81-132			
2-Hexanone (MBK)	1125	50.0	ug/L	1000	ND	113	63-152			
2-Hexanone (MBK)	1125	50.0	ug/L	1000	ND	113	53-141			
Dibromochloromethane	540.1	10.0	ug/L	501	ND	108	77-124			
Dibromochloromethane	540.1	10.0	ug/L	501	ND	108	74-122			
1,2-Dibromoethane	517.4	10.0	ug/L	502	ND	103	82-117			
1,2-Dibromoethane	517.4	10.0	ug/L	502	ND	103	66-127			
Chlorobenzene	509.5	10.0	ug/L	501	ND	102	82-114			
Chlorobenzene	509.5	10.0	ug/L	501	ND	102	76-116			
1,1,1,2-Tetrachloroethane	519.6	10.0	ug/L	503	ND	103	82-118			
1,1,1,2-Tetrachloroethane	519.6	10.0	ug/L	503	ND	103	77-121			
Ethylbenzene	574.2	10.0	ug/L	502	ND	114	80-119			
Ethylbenzene	574.2	10.0	ug/L	502	ND	114	73-124			
Xylenes, total	1664	20.0	ug/L	1510	ND	110	81-119			
Xylenes, total	1664	20.0	ug/L	1510	ND	110	75-123			
Styrene	532.9	10.0	ug/L	504	ND	106	81-119			
Styrene	532.9	10.0	ug/L	504	ND	106	70-120			
Bromoform	490.4	10.0	ug/L	501	ND	97.9	74-122			
Bromoform	490.4	10.0	ug/L	501	ND	97.9	70-124			
1,2,3-Trichloropropane	402.5	10.0	ug/L	503	ND	79.9	72-138			
1,2,3-Trichloropropane	402.5	10.0	ug/L	503	ND	79.9	62-135			
trans-1,4-Dichloro-2-butene	867.0	50.0	ug/L	1000	ND	86.7	56-116			
trans-1,4-Dichloro-2-butene	867.0	50.0	ug/L	1000	ND	86.7	50-120			
1,1,2,2-Tetrachloroethane	515.2	10.0	ug/L	501	ND	103	78-126			
1,1,2,2-Tetrachloroethane	515.2	10.0	ug/L	501	ND	103	63-126			
1,3-Dichlorobenzene	497.0	10.0	ug/L	501	ND	99.2	81-113			
1,4-Dichlorobenzene	472.0	10.0	ug/L	501	ND	94.2	81-116			
1,4-Dichlorobenzene	472.0	10.0	ug/L	501	ND	94.2	72-119			

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1057 - EPA 5030B - EPA 8260D										
Matrix Spike (1ID1057-MS1)	Source: 1ID1594-01			Prepared: 04/18/25 00:00 Analyzed: 04/18/25 19:38						
1,2-Dichlorobenzene	449.5	10.0	ug/L	501	ND	89.7	81-116			
1,2-Dichlorobenzene	449.5	10.0	ug/L	501	ND	89.7	71-117			
1,2-Dibromo-3-chloropropane	421.9	10.0	ug/L	501	ND	84.2	63-138			
1,2-Dibromo-3-chloropropane	421.9	50.0	ug/L	501	ND	84.2	49-134			
1,2,4-Trichlorobenzene	247.8	10.0	ug/L	504	ND	49.2	65-132			M2
Surrogate: Dibromofluoromethane	464		ug/L	502		92.4	57-134			
Surrogate: Dibromofluoromethane	464		ug/L	502		92.4	57-134			
Surrogate: Dibromofluoromethane	464		ug/L	502		92.4	75-136			
Surrogate: 1,2-Dichloroethane-d4	446		ug/L	501		89.0	53-140			
Surrogate: 1,2-Dichloroethane-d4	446		ug/L	501		89.0	53-140			
Surrogate: 1,2-Dichloroethane-d4	446		ug/L	501		89.0	53-140			
Surrogate: 1,2-Dichloroethane-d4	446		ug/L	501		89.0	61-142			
Surrogate: Toluene-d8	488		ug/L	504		96.8	86-114			
Surrogate: Toluene-d8	488		ug/L	504		96.8	86-114			
Surrogate: Toluene-d8	488		ug/L	504		96.8	86-114			
Surrogate: Toluene-d8	488		ug/L	504		96.8	82-121			
Surrogate: 4-Bromofluorobenzene	462		ug/L	501		92.2	78-121			
Surrogate: 4-Bromofluorobenzene	462		ug/L	501		92.2	78-121			
Surrogate: 4-Bromofluorobenzene	462		ug/L	501		92.2	78-121			
Surrogate: 4-Bromofluorobenzene	462		ug/L	501		92.2	80-116			
Matrix Spike Dup (1ID1057-MSD1)	Source: 1ID1594-01			Prepared: 04/18/25 00:00 Analyzed: 04/18/25 20:01						
Dichlorodifluoromethane	317.1	10.0	ug/L	303	ND	105	37-140	2.68	18	
Chloromethane	289.3	10.0	ug/L	303	ND	95.4	47-147	2.17	18	
Chloromethane	289.3	10.0	ug/L	303	ND	95.4	61-152	2.17	26	
Vinyl Chloride	300.5	10.0	ug/L	302	ND	99.3	55-142	0.970	20	
Vinyl Chloride	300.5	10.0	ug/L	302	ND	99.3	66-149	0.970	23	
Bromomethane	268.7	10.0	ug/L	301	ND	89.2	34-160	4.41	22	
Bromomethane	268.7	10.0	ug/L	301	ND	89.2	43-171	4.41	29	
Chloroethane	299.5	10.0	ug/L	303	ND	98.8	54-154	0.433	20	
Chloroethane	299.5	10.0	ug/L	303	ND	98.8	69-148	0.433	25	
Trichlorofluoromethane	299.9	10.0	ug/L	303	ND	99.0	49-131	8.55	14	
Trichlorofluoromethane	299.9	10.0	ug/L	303	ND	99.0	62-163	8.55	25	
Acrolein	419.8	100	ug/L	504	ND	83.4	22-138	5.91	30	
1,1-Dichloroethylene	538.5	10.0	ug/L	501	ND	107	57-143	13.3	15	
1,1-Dichloroethylene	538.5	10.0	ug/L	501	ND	107	70-148	13.3	22	
Acetone	1071	100	ug/L	1000	ND	107	27-173	15.1	30	
Acetone	1071	100	ug/L	1000	ND	107	45-173	15.1	30	
Methyl Iodide	899.5	20.0	ug/L	1000	ND	90.0	39-157	3.89	12	
Methyl Iodide	899.5	10.0	ug/L	1000	ND	90.0	62-167	3.89	24	
Carbon Disulfide	969.1	10.0	ug/L	1000	ND	96.9	53-136	5.44	20	
Carbon Disulfide	969.1	10.0	ug/L	1000	ND	96.9	71-163	5.44	22	
Acetonitrile	1022	100	ug/L	1000	ND	102	11-189	0.945	24	
Methylene Chloride	418.5	50.0	ug/L	501	ND	83.5	57-128	3.73	14	
Methylene Chloride	418.5	50.0	ug/L	501	ND	83.5	69-140	3.73	19	

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1057 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1ID1057-MSD1) Source: 1ID1594-01 Prepared: 04/18/25 00:00 Analyzed: 04/18/25 20:01										
Acrylonitrile	469.8	50.0	ug/L	502	ND	93.6	38-147	14.0	30	
Acrylonitrile	469.8	50.0	ug/L	502	ND	93.6	38-147	14.0	30	
trans-1,2-Dichloroethylene	520.1	10.0	ug/L	501	ND	104	61-135	12.5	12	R1
trans-1,2-Dichloroethylene	520.1	10.0	ug/L	501	ND	104	69-144	12.5	22	
1,1-Dichloroethane	487.2	10.0	ug/L	501	ND	97.2	60-131	13.9	15	
1,1-Dichloroethane	487.2	10.0	ug/L	501	ND	97.2	70-138	13.9	20	
Vinyl Acetate	1314	50.0	ug/L	1400	ND	93.9	24-163	9.93	16	
Vinyl Acetate	1314	50.0	ug/L	1400	ND	93.9	58-142	9.93	24	
2,2-Dichloropropane	457.8	10.0	ug/L	503	ND	91.0	37-112	11.9	13	
cis-1,2-Dichloroethylene	462.7	10.0	ug/L	504	ND	91.9	47-162	15.3	22	
cis-1,2-Dichloroethylene	462.7	10.0	ug/L	504	ND	91.9	68-151	15.3	22	
2-Butanone (MEK)	900.4	50.0	ug/L	1000	ND	90.0	45-156	14.7	20	
2-Butanone (MEK)	900.4	100	ug/L	1000	ND	90.0	50-160	14.7	23	
Bromochloromethane	452.0	10.0	ug/L	504	ND	89.7	55-132	11.5	15	
Bromochloromethane	452.0	10.0	ug/L	504	ND	89.7	65-143	11.5	22	
Chloroform	475.9	10.0	ug/L	501	ND	95.0	45-142	13.2	12	R1
Chloroform	475.9	10.0	ug/L	501	ND	95.0	71-143	13.2	21	
1,1,1-Trichloroethane	528.5	10.0	ug/L	501	ND	105	52-128	11.5	14	
1,1,1-Trichloroethane	528.5	10.0	ug/L	501	ND	105	63-133	11.5	23	
1,1-Dichloropropene	528.7	10.0	ug/L	505	ND	105	49-138	8.89	12	
Carbon Tetrachloride	531.1	10.0	ug/L	501	ND	106	56-132	9.01	12	
Carbon Tetrachloride	531.1	10.0	ug/L	501	ND	106	63-142	9.01	22	
Benzene	491.4	10.0	ug/L	504	ND	97.4	77-124	8.01	12	
Benzene	491.4	10.0	ug/L	504	ND	97.4	69-133	8.01	18	
1,2-Dichloroethane	480.3	10.0	ug/L	501	ND	95.9	67-130	12.9	13	
1,2-Dichloroethane	480.3	10.0	ug/L	501	ND	95.9	63-138	12.9	20	
Trichloroethylene	520.0	10.0	ug/L	501	ND	104	75-123	9.07	11	
Trichloroethylene	520.0	10.0	ug/L	501	ND	104	71-133	9.07	23	
1,2-Dichloropropane	475.3	10.0	ug/L	501	ND	94.9	75-126	10.9	11	
1,2-Dichloropropane	475.3	10.0	ug/L	501	ND	94.9	69-132	10.9	20	
Dibromomethane	481.2	10.0	ug/L	504	ND	95.5	72-131	10.1	12	
Dibromomethane	481.2	10.0	ug/L	504	ND	95.5	70-147	10.1	22	
Bromodichloromethane	499.7	10.0	ug/L	501	ND	99.8	70-123	12.2	10	R1
Bromodichloromethane	499.7	10.0	ug/L	501	ND	99.8	67-130	12.2	21	
cis-1,3-Dichloropropene	462.8	10.0	ug/L	501	ND	92.4	68-119	7.87	10	
cis-1,3-Dichloropropene	462.8	10.0	ug/L	501	ND	92.4	61-126	7.87	21	
4-Methyl-2-pentanone (MIBK)	975.4	50.0	ug/L	1000	ND	97.5	57-153	5.64	11	
4-Methyl-2-pentanone (MIBK)	975.4	50.0	ug/L	1000	ND	97.5	55-147	5.64	23	
Toluene	553.1	10.0	ug/L	505	ND	110	63-131	1.17	15	
Toluene	553.1	10.0	ug/L	505	ND	110	71-133	1.17	19	
trans-1,3-Dichloropropene	441.7	10.0	ug/L	501	ND	88.2	65-121	5.95	14	
trans-1,3-Dichloropropene	441.7	10.0	ug/L	501	ND	88.2	63-124	5.95	21	
Ethyl Methacrylate	936.3	100	ug/L	1000	ND	93.6	62-137	0.664	10	

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1057 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1ID1057-MSD1)	Source: 1ID1594-01			Prepared: 04/18/25 00:00 Analyzed: 04/18/25 20:01						
1,1,2-Trichloroethane	440.2	10.0	ug/L	501	ND	87.9	76-124	9.58	12	
1,1,2-Trichloroethane	440.2	10.0	ug/L	501	ND	87.9	69-133	9.58	19	
Tetrachloroethylene	542.9	10.0	ug/L	501	ND	108	77-117	5.85	12	
Tetrachloroethylene	542.9	10.0	ug/L	501	ND	108	70-124	5.85	24	
1,3-Dichloropropane	469.8	10.0	ug/L	504	ND	93.2	81-132	9.82	12	
2-Hexanone (MBK)	1025	50.0	ug/L	1000	ND	102	63-152	9.37	19	
2-Hexanone (MBK)	1025	50.0	ug/L	1000	ND	102	53-141	9.37	24	
Dibromochloromethane	467.0	10.0	ug/L	501	ND	93.3	77-124	14.5	17	
Dibromochloromethane	467.0	10.0	ug/L	501	ND	93.3	74-122	14.5	21	
1,2-Dibromoethane	472.5	10.0	ug/L	502	ND	94.1	82-117	9.07	14	
1,2-Dibromoethane	472.5	10.0	ug/L	502	ND	94.1	66-127	9.07	23	
Chlorobenzene	486.4	10.0	ug/L	501	ND	97.1	82-114	4.64	11	
Chlorobenzene	486.4	10.0	ug/L	501	ND	97.1	76-116	4.64	21	
1,1,1,2-Tetrachloroethane	457.8	10.0	ug/L	503	ND	90.9	82-118	12.6	15	
1,1,1,2-Tetrachloroethane	457.8	10.0	ug/L	503	ND	90.9	77-121	12.6	25	
Ethylbenzene	547.8	10.0	ug/L	502	ND	109	80-119	4.71	11	
Ethylbenzene	547.8	10.0	ug/L	502	ND	109	73-124	4.71	20	
Xylenes, total	1613	20.0	ug/L	1510	ND	107	81-119	3.13	11	
Xylenes, total	1613	20.0	ug/L	1510	ND	107	75-123	3.13	20	
Styrene	514.7	10.0	ug/L	504	ND	102	81-119	3.47	12	
Styrene	514.7	10.0	ug/L	504	ND	102	70-120	3.47	23	
Bromoform	470.2	10.0	ug/L	501	ND	93.8	74-122	4.21	12	
Bromoform	470.2	10.0	ug/L	501	ND	93.8	70-124	4.21	22	
1,2,3-Trichloropropane	412.5	10.0	ug/L	503	ND	81.9	72-138	2.45	14	
1,2,3-Trichloropropane	412.5	10.0	ug/L	503	ND	81.9	62-135	2.45	28	
trans-1,4-Dichloro-2-butene	834.9	50.0	ug/L	1000	ND	83.5	56-116	3.77	10	
trans-1,4-Dichloro-2-butene	834.9	50.0	ug/L	1000	ND	83.5	50-120	3.77	26	
1,1,2,2-Tetrachloroethane	453.5	10.0	ug/L	501	ND	90.5	78-126	12.7	13	
1,1,2,2-Tetrachloroethane	453.5	10.0	ug/L	501	ND	90.5	63-126	12.7	24	
1,3-Dichlorobenzene	474.3	10.0	ug/L	501	ND	94.7	81-113	4.67	14	
1,4-Dichlorobenzene	435.7	10.0	ug/L	501	ND	86.9	81-116	8.00	14	
1,4-Dichlorobenzene	435.7	10.0	ug/L	501	ND	86.9	72-119	8.00	24	
1,2-Dichlorobenzene	424.7	10.0	ug/L	501	ND	84.8	81-116	5.67	13	
1,2-Dichlorobenzene	424.7	10.0	ug/L	501	ND	84.8	71-117	5.67	24	
1,2-Dibromo-3-chloropropane	335.3	10.0	ug/L	501	ND	66.9	63-138	22.9	17	R1
1,2-Dibromo-3-chloropropane	335.3	50.0	ug/L	501	ND	66.9	49-134	22.9	28	
1,2,4-Trichlorobenzene	285.6	10.0	ug/L	504	ND	56.7	65-132	14.2	15	M2
Surrogate: Dibromofluoromethane	419		ug/L	502		83.4	57-134			
Surrogate: Dibromofluoromethane	419		ug/L	502		83.4	57-134			
Surrogate: Dibromofluoromethane	419		ug/L	502		83.4	75-136			
Surrogate: 1,2-Dichloroethane-d4	399		ug/L	501		79.7	53-140			
Surrogate: 1,2-Dichloroethane-d4	399		ug/L	501		79.7	53-140			
Surrogate: 1,2-Dichloroethane-d4	399		ug/L	501		79.7	53-140			

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1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1057 - EPA 5030B - EPA 8260D									
Matrix Spike Dup (1ID1057-MSD1)	Source: 1ID1594-01			Prepared: 04/18/25 00:00 Analyzed: 04/18/25 20:01					
Surrogate: 1,2-Dichloroethane-d4	399		ug/L	501		79.7 61-142			
Surrogate: Toluene-d8	497		ug/L	504		98.6 86-114			
Surrogate: Toluene-d8	497		ug/L	504		98.6 86-114			
Surrogate: Toluene-d8	497		ug/L	504		98.6 86-114			
Surrogate: Toluene-d8	497		ug/L	504		98.6 82-121			
Surrogate: 4-Bromofluorobenzene	481		ug/L	501		95.9 78-121			
Surrogate: 4-Bromofluorobenzene	481		ug/L	501		95.9 78-121			
Surrogate: 4-Bromofluorobenzene	481		ug/L	501		95.9 78-121			
Surrogate: 4-Bromofluorobenzene	481		ug/L	501		95.9 80-116			
Batch 1ID1137 - EPA 5030B - EPA 8260D									
Blank (1ID1137-BLK1)	Prepared: 04/21/25 00:00 Analyzed: 04/21/25 14:20								
Allyl chloride	<1.0	1.0	ug/L						
Chloroprene	<1.0	1.0	ug/L						
Methacrylonitrile	<1.0	1.0	ug/L						
Methyl Methacrylate	<1.0	1.0	ug/L						
Propionitrile	<10.0	10.0	ug/L						
Surrogate: Dibromofluoromethane	48.1		ug/L	50.2		95.9 57-134			
Surrogate: 1,2-Dichloroethane-d4	47.4		ug/L	50.1		94.7 53-140			
Surrogate: Toluene-d8	50.1		ug/L	50.4		99.4 86-114			
Surrogate: 4-Bromofluorobenzene	49.5		ug/L	50.1		98.7 78-121			
LCS (1ID1137-BS1)	Prepared: 04/21/25 00:00 Analyzed: 04/21/25 13:11								
Allyl chloride	50.84	1.0	ug/L	50.0		102 40-154			
Chloroprene	56.59	1.0	ug/L	50.0		113 57-134			
Methacrylonitrile	49.26	1.0	ug/L	50.0		98.5 59-124			
Methyl Methacrylate	47.90	1.0	ug/L	50.0		95.8 64-130			
Propionitrile	47.29	10.0	ug/L	50.0		94.6 32-180			
Surrogate: Dibromofluoromethane	46.6		ug/L	50.2		93.0 57-134			
Surrogate: 1,2-Dichloroethane-d4	45.1		ug/L	50.1		90.0 53-140			
Surrogate: Toluene-d8	49.4		ug/L	50.4		98.0 86-114			
Surrogate: 4-Bromofluorobenzene	49.9		ug/L	50.1		99.4 78-121			
LCS Dup (1ID1137-BSD1)	Prepared: 04/21/25 00:00 Analyzed: 04/21/25 13:34								
Allyl chloride	49.94	1.0	ug/L	50.0		99.9 40-154	1.79	16	
Chloroprene	55.83	1.0	ug/L	50.0		112 57-134	1.35	15	
Methacrylonitrile	49.30	1.0	ug/L	50.0		98.6 59-124	0.0812	17	
Methyl Methacrylate	48.09	1.0	ug/L	50.0		96.2 64-130	0.396	17	
Propionitrile	50.92	10.0	ug/L	50.0		102 32-180	7.39	21	
Surrogate: Dibromofluoromethane	48.0		ug/L	50.2		95.7 57-134			
Surrogate: 1,2-Dichloroethane-d4	46.3		ug/L	50.1		92.4 53-140			
Surrogate: Toluene-d8	49.6		ug/L	50.4		98.4 86-114			
Surrogate: 4-Bromofluorobenzene	49.0		ug/L	50.1		97.8 78-121			

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1137 - EPA 5030B - EPA 8260D										
Matrix Spike (1ID1137-MS1)	Source: 1ID1594-07			Prepared: 04/21/25 00:00 Analyzed: 04/21/25 16:46						
Allyl chloride	544.2	10.0	ug/L	500	ND	109	60-140			M1
Chloroprene	611.9	10.0	ug/L	500	ND	122	62-121			
Methacrylonitrile	514.6	10.0	ug/L	500	ND	103	60-140			
Methyl Methacrylate	476.2	10.0	ug/L	500	ND	95.2	60-140			
Propionitrile	481.1	100	ug/L	500	ND	96.2	60-140			
Surrogate: Dibromofluoromethane	504		ug/L	502		101	57-134			
Surrogate: 1,2-Dichloroethane-d4	483		ug/L	501		96.4	53-140			
Surrogate: Toluene-d8	497		ug/L	504		98.6	86-114			
Surrogate: 4-Bromofluorobenzene	494		ug/L	501		98.6	78-121			
Matrix Spike Dup (1ID1137-MSD1)	Source: 1ID1594-07			Prepared: 04/21/25 00:00 Analyzed: 04/21/25 17:08						
Allyl chloride	526.1	10.0	ug/L	500	ND	105	60-140	3.38	30	
Chloroprene	590.9	10.0	ug/L	500	ND	118	62-121	3.49	30	
Methacrylonitrile	538.3	10.0	ug/L	500	ND	108	60-140	4.50	30	
Methyl Methacrylate	483.1	10.0	ug/L	500	ND	96.6	60-140	1.44	30	
Propionitrile	529.8	100	ug/L	500	ND	106	60-140	9.63	30	
Surrogate: Dibromofluoromethane	507		ug/L	502		101	57-134			
Surrogate: 1,2-Dichloroethane-d4	488		ug/L	501		97.3	53-140			
Surrogate: Toluene-d8	501		ug/L	504		99.4	86-114			
Surrogate: 4-Bromofluorobenzene	499		ug/L	501		99.6	78-121			
Batch 1ID1138 - EPA 5030B - EPA 8260D										
Blank (1ID1138-BLK1)	Prepared: 04/21/25 00:00 Analyzed: 04/21/25 12:36									
Chloromethane	<1.0	1.0	ug/L							
Vinyl Chloride	<1.0	1.0	ug/L							
Bromomethane	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Trichlorofluoromethane	<1.0	1.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
Acetone	<10.0	10.0	ug/L							
Methyl Iodide	<1.0	1.0	ug/L							
Carbon Disulfide	<1.0	1.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
Acrylonitrile	<5.0	5.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
Vinyl Acetate	<5.0	5.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10.0	10.0	ug/L							
Bromochloromethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							

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1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1138 - EPA 5030B - EPA 8260D										
Blank (1ID1138-BLK1)				Prepared: 04/21/25 00:00 Analyzed: 04/21/25 12:36						
Benzene	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L							
Toluene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<5.0	5.0	ug/L							
Dibromochloromethane	<1.0	1.0	ug/L							
1,2-Dibromoethane	<1.0	1.0	ug/L							
Chlorobenzene	<1.0	1.0	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Xylenes, total	<2.0	2.0	ug/L							
Styrene	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							
1,2,3-Trichloropropane	<1.0	1.0	ug/L							
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,4-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L							
Surrogate: Dibromofluoromethane	48.1		ug/L	50.2		95.8	57-134			
Surrogate: Dibromofluoromethane	48.1		ug/L	50.2		95.8	75-136			
Surrogate: 1,2-Dichloroethane-d4	42.2		ug/L	50.1		84.2	53-140			
Surrogate: 1,2-Dichloroethane-d4	42.2		ug/L	50.1		84.2	61-142			
Surrogate: Toluene-d8	47.6		ug/L	50.4		94.5	86-114			
Surrogate: Toluene-d8	47.6		ug/L	50.4		94.5	82-121			
Surrogate: 4-Bromofluorobenzene	47.8		ug/L	50.1		95.3	78-121			
Surrogate: 4-Bromofluorobenzene	47.8		ug/L	50.1		95.3	80-116			
LCS (1ID1138-BS1)				Prepared: 04/21/25 00:00 Analyzed: 04/21/25 11:51						
Chloromethane	28.06	1.0	ug/L	30.3		92.5	63-155			
Vinyl Chloride	29.65	1.0	ug/L	30.2		98.0	70-154			
Bromomethane	29.37	1.0	ug/L	30.1		97.5	52-176			
Chloroethane	29.30	1.0	ug/L	30.3		96.6	72-148			
Trichlorofluoromethane	32.99	1.0	ug/L	30.3		109	70-152			
1,1-Dichloroethylene	56.43	1.0	ug/L	50.1		113	70-148			
Acetone	88.06	10.0	ug/L	100		88.1	43-172			

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1138 - EPA 5030B - EPA 8260D										
LCS (1ID1138-BS1)										
Prepared: 04/21/25 00:00 Analyzed: 04/21/25 11:51										
Methyl Iodide	125.1	1.0	ug/L	100		125	69-170			
Carbon Disulfide	103.7	1.0	ug/L	100		104	72-162			
Methylene Chloride	53.71	5.0	ug/L	50.1		107	68-142			
Acrylonitrile	49.73	5.0	ug/L	50.2		99.1	56-135			
trans-1,2-Dichloroethylene	56.65	1.0	ug/L	50.1		113	66-148			
1,1-Dichloroethane	54.22	1.0	ug/L	50.1		108	66-143			
Vinyl Acetate	169.2	5.0	ug/L	140		121	43-153			
cis-1,2-Dichloroethylene	51.50	1.0	ug/L	50.4		102	71-149			
2-Butanone (MEK)	90.72	10.0	ug/L	100		90.7	52-159			
Bromochloromethane	50.67	1.0	ug/L	50.4		101	69-143			
Chloroform	52.81	1.0	ug/L	50.1		105	69-144			
1,1,1-Trichloroethane	58.80	1.0	ug/L	50.1		117	62-129			
Carbon Tetrachloride	58.85	1.0	ug/L	50.1		117	63-141			
Benzene	54.26	1.0	ug/L	50.4		108	71-134			
1,2-Dichloroethane	56.69	1.0	ug/L	50.1		113	72-132			
Trichloroethylene	57.85	1.0	ug/L	50.1		115	71-135			
1,2-Dichloropropane	54.86	1.0	ug/L	50.1		110	69-136			
Dibromomethane	50.75	1.0	ug/L	50.4		101	73-147			
Bromodichloromethane	58.97	1.0	ug/L	50.1		118	68-129			
cis-1,3-Dichloropropene	47.43	1.0	ug/L	50.1		94.7	65-134			
4-Methyl-2-pentanone (MIBK)	86.90	5.0	ug/L	100		86.9	58-147			
Toluene	55.31	1.0	ug/L	50.5		110	72-133			
trans-1,3-Dichloropropene	48.41	1.0	ug/L	50.1		96.7	67-130			
1,1,2-Trichloroethane	52.18	1.0	ug/L	50.1		104	69-135			
Tetrachloroethylene	51.33	1.0	ug/L	50.1		102	69-130			
2-Hexanone (MBK)	62.28	5.0	ug/L	100		62.3	55-144			
Dibromochloromethane	50.34	1.0	ug/L	50.1		101	73-127			
1,2-Dibromoethane	46.09	1.0	ug/L	50.2		91.8	67-132			
Chlorobenzene	48.30	1.0	ug/L	50.1		96.4	72-123			
1,1,1,2-Tetrachloroethane	49.30	1.0	ug/L	50.3		97.9	73-127			
Ethylbenzene	50.01	1.0	ug/L	50.2		99.7	71-127			
Xylenes, total	151.7	2.0	ug/L	151		100	74-127			
Styrene	46.78	1.0	ug/L	50.4		92.9	66-126			
Bromoform	49.74	1.0	ug/L	50.1		99.3	68-130			
1,2,3-Trichloropropane	46.78	1.0	ug/L	50.3		92.9	63-136			
trans-1,4-Dichloro-2-butene	79.33	5.0	ug/L	100		79.3	54-134			
1,1,2,2-Tetrachloroethane	39.59	1.0	ug/L	50.1		79.0	61-131			
1,4-Dichlorobenzene	42.99	1.0	ug/L	50.1		85.8	70-129			
1,2-Dichlorobenzene	45.28	1.0	ug/L	50.1		90.4	69-126			
1,2-Dibromo-3-chloropropane	35.27	5.0	ug/L	50.1		70.4	50-143			
Surrogate: Dibromofluoromethane	51.5		ug/L	50.2		103	57-134			
Surrogate: Dibromofluoromethane	51.5		ug/L	50.2		103	75-136			

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1138 - EPA 5030B - EPA 8260D									
LCS (1ID1138-BS1)									
				Prepared: 04/21/25 00:00 Analyzed: 04/21/25 11:51					
Surrogate: 1,2-Dichloroethane-d4	46.7		ug/L	50.1		93.3 53-140			
Surrogate: 1,2-Dichloroethane-d4	46.7		ug/L	50.1		93.3 61-142			
Surrogate: Toluene-d8	53.2		ug/L	50.4		106 86-114			
Surrogate: Toluene-d8	53.2		ug/L	50.4		106 82-121			
Surrogate: 4-Bromofluorobenzene	53.8		ug/L	50.1		107 78-121			
Surrogate: 4-Bromofluorobenzene	53.8		ug/L	50.1		107 80-116			
LCS Dup (1ID1138-BS1)									
				Prepared: 04/21/25 00:00 Analyzed: 04/21/25 13:31					
Chloromethane	29.14	1.0	ug/L	30.3		96.1 63-155	3.78	24	
Vinyl Chloride	30.58	1.0	ug/L	30.2		101 70-154	3.09	25	
Bromomethane	30.02	1.0	ug/L	30.1		99.7 52-176	2.19	27	
Chloroethane	31.86	1.0	ug/L	30.3		105 72-148	8.37	25	
Trichlorofluoromethane	33.92	1.0	ug/L	30.3		112 70-152	2.78	26	
1,1-Dichloroethylene	58.41	1.0	ug/L	50.1		117 70-148	3.45	24	
Acetone	87.01	10.0	ug/L	100		87.0 43-172	1.20	30	
Methyl Iodide	126.1	1.0	ug/L	100		126 69-170	0.780	30	
Carbon Disulfide	104.0	1.0	ug/L	100		104 72-162	0.212	24	
Methylene Chloride	52.71	5.0	ug/L	50.1		105 68-142	1.88	21	
Acrylonitrile	42.41	5.0	ug/L	50.2		84.5 56-135	15.9	16	
trans-1,2-Dichloroethylene	57.10	1.0	ug/L	50.1		114 66-148	0.791	27	
1,1-Dichloroethane	54.63	1.0	ug/L	50.1		109 66-143	0.753	24	
Vinyl Acetate	147.0	5.0	ug/L	140		105 43-153	14.0	30	
cis-1,2-Dichloroethylene	51.76	1.0	ug/L	50.4		103 71-149	0.504	26	
2-Butanone (MEK)	70.38	10.0	ug/L	100		70.4 52-159	25.3	27	
Bromochloromethane	45.48	1.0	ug/L	50.4		90.2 69-143	10.8	23	
Chloroform	51.56	1.0	ug/L	50.1		103 69-144	2.40	23	
1,1,1-Trichloroethane	58.26	1.0	ug/L	50.1		116 62-129	0.923	24	
Carbon Tetrachloride	57.97	1.0	ug/L	50.1		116 63-141	1.51	25	
Benzene	52.58	1.0	ug/L	50.4		104 71-134	3.14	24	
1,2-Dichloroethane	48.45	1.0	ug/L	50.1		96.7 72-132	15.7	24	
Trichloroethylene	56.67	1.0	ug/L	50.1		113 71-135	2.06	24	
1,2-Dichloropropane	51.74	1.0	ug/L	50.1		103 69-136	5.85	24	
Dibromomethane	44.38	1.0	ug/L	50.4		88.1 73-147	13.4	25	
Bromodichloromethane	53.46	1.0	ug/L	50.1		107 68-129	9.80	22	
cis-1,3-Dichloropropene	42.47	1.0	ug/L	50.1		84.8 65-134	11.0	23	
4-Methyl-2-pentanone (MIBK)	63.38	5.0	ug/L	100		63.4 58-147	31.3	27	R1
Toluene	53.55	1.0	ug/L	50.5		106 72-133	3.23	24	
trans-1,3-Dichloropropene	40.83	1.0	ug/L	50.1		81.5 67-130	17.0	24	
1,1,2-Trichloroethane	43.46	1.0	ug/L	50.1		86.8 69-135	18.2	23	
Tetrachloroethylene	51.41	1.0	ug/L	50.1		103 69-130	0.156	25	
2-Hexanone (MBK)	44.35	5.0	ug/L	100		44.4 55-144	33.6	25	Q3, R1
Dibromochloromethane	43.82	1.0	ug/L	50.1		87.5 73-127	13.8	22	
1,2-Dibromoethane	38.56	1.0	ug/L	50.2		76.8 67-132	17.8	24	
Chlorobenzene	47.06	1.0	ug/L	50.1		94.0 72-123	2.60	23	

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1138 - EPA 5030B - EPA 8260D										
LCS Dup (1ID1138-BSD1)										
Prepared: 04/21/25 00:00 Analyzed: 04/21/25 13:31										
1,1,1,2-Tetrachloroethane	45.92	1.0	ug/L	50.3		91.2	73-127	7.10	24	
Ethylbenzene	49.97	1.0	ug/L	50.2		99.6	71-127	0.0800	26	
Xylenes, total	151.8	2.0	ug/L	151		100	74-127	0.0791	25	
Styrene	44.94	1.0	ug/L	50.4		89.2	66-126	4.01	23	
Bromoform	40.93	1.0	ug/L	50.1		81.7	68-130	19.4	23	
1,2,3-Trichloropropane	37.47	1.0	ug/L	50.3		74.4	63-136	22.1	24	
trans-1,4-Dichloro-2-butene	61.90	5.0	ug/L	100		61.9	54-134	24.7	27	
1,1,2,2-Tetrachloroethane	32.63	1.0	ug/L	50.1		65.1	61-131	19.3	29	
1,4-Dichlorobenzene	41.96	1.0	ug/L	50.1		83.7	70-129	2.42	24	
1,2-Dichlorobenzene	41.97	1.0	ug/L	50.1		83.8	69-126	7.59	26	
1,2-Dibromo-3-chloropropane	22.14	5.0	ug/L	50.1		44.2	50-143	45.7	30	Q3, R1
Surrogate: Dibromofluoromethane	49.3		ug/L	50.2		98.2	57-134			
Surrogate: Dibromofluoromethane	49.3		ug/L	50.2		98.2	75-136			
Surrogate: 1,2-Dichloroethane-d4	42.6		ug/L	50.1		85.1	53-140			
Surrogate: 1,2-Dichloroethane-d4	42.6		ug/L	50.1		85.1	61-142			
Surrogate: Toluene-d8	51.2		ug/L	50.4		102	86-114			
Surrogate: Toluene-d8	51.2		ug/L	50.4		102	82-121			
Surrogate: 4-Bromofluorobenzene	50.6		ug/L	50.1		101	78-121			
Surrogate: 4-Bromofluorobenzene	50.6		ug/L	50.1		101	80-116			
Matrix Spike (1ID1138-MS1)										
Source: 1ID1594-21										
Prepared: 04/21/25 00:00 Analyzed: 04/21/25 23:03										
Chloromethane	285.5	10.0	ug/L	303	ND	94.2	61-152			
Vinyl Chloride	307.7	10.0	ug/L	302	ND	102	66-149			
Bromomethane	297.6	10.0	ug/L	301	ND	98.8	43-171			
Chloroethane	310.0	10.0	ug/L	303	ND	102	69-148			
Trichlorofluoromethane	351.3	10.0	ug/L	303	ND	116	62-163			
1,1-Dichloroethylene	581.0	10.0	ug/L	501	ND	116	70-148			
Acetone	949.7	100	ug/L	1000	ND	95.0	45-173			
Methyl Iodide	1240	10.0	ug/L	1000	ND	124	62-167			
Carbon Disulfide	1048	10.0	ug/L	1000	ND	105	71-163			
Methylene Chloride	552.3	50.0	ug/L	501	ND	110	69-140			
Acrylonitrile	517.3	50.0	ug/L	502	ND	103	38-147			
trans-1,2-Dichloroethylene	586.2	10.0	ug/L	501	ND	117	69-144			
1,1-Dichloroethane	568.0	10.0	ug/L	501	ND	113	70-138			
Vinyl Acetate	1502	50.0	ug/L	1400	ND	107	58-142			
cis-1,2-Dichloroethylene	539.4	10.0	ug/L	504	ND	107	68-151			
2-Butanone (MEK)	980.4	100	ug/L	1000	ND	98.0	50-160			
Bromochloromethane	536.9	10.0	ug/L	504	ND	107	65-143			
Chloroform	549.8	10.0	ug/L	501	ND	110	71-143			
1,1,1-Trichloroethane	627.8	10.0	ug/L	501	ND	125	63-133			
Carbon Tetrachloride	629.0	10.0	ug/L	501	ND	126	63-142			
Benzene	546.8	10.0	ug/L	504	ND	108	69-133			
1,2-Dichloroethane	558.2	10.0	ug/L	501	ND	111	63-138			
Trichloroethylene	584.2	10.0	ug/L	501	ND	117	71-133			

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1138 - EPA 5030B - EPA 8260D										
Matrix Spike (1ID1138-MS1)	Source: 1ID1594-21			Prepared: 04/21/25 00:00 Analyzed: 04/21/25 23:03						
1,2-Dichloropropane	555.1	10.0	ug/L	501	ND	111	69-132			
Dibromomethane	510.8	10.0	ug/L	504	ND	101	70-147			
Bromodichloromethane	599.0	10.0	ug/L	501	ND	120	67-130			
cis-1,3-Dichloropropene	446.5	10.0	ug/L	501	ND	89.1	61-126			
4-Methyl-2-pentanone (MIBK)	864.0	50.0	ug/L	1000	ND	86.4	55-147			
Toluene	552.5	10.0	ug/L	505	ND	109	71-133			
trans-1,3-Dichloropropene	463.3	10.0	ug/L	501	ND	92.5	63-124			
1,1,2-Trichloroethane	528.5	10.0	ug/L	501	ND	106	69-133			
Tetrachloroethylene	517.2	10.0	ug/L	501	ND	103	70-124			
2-Hexanone (MBK)	594.5	50.0	ug/L	1000	ND	59.4	53-141			
Dibromochloromethane	499.5	10.0	ug/L	501	ND	99.8	74-122			
1,2-Dibromoethane	446.2	10.0	ug/L	502	ND	88.8	66-127			
Chlorobenzene	476.0	10.0	ug/L	501	ND	95.0	76-116			
1,1,1,2-Tetrachloroethane	491.2	10.0	ug/L	503	ND	97.6	77-121			
Ethylbenzene	499.2	10.0	ug/L	502	ND	99.5	73-124			
Xylenes, total	1529	20.0	ug/L	1510	ND	101	75-123			
Styrene	465.7	10.0	ug/L	504	ND	92.5	70-120			
Bromoform	489.8	10.0	ug/L	501	ND	97.7	70-124			
1,2,3-Trichloropropane	471.3	10.0	ug/L	503	ND	93.6	62-135			
trans-1,4-Dichloro-2-butene	755.1	50.0	ug/L	1000	ND	75.5	50-120			
1,1,2,2-Tetrachloroethane	364.9	10.0	ug/L	501	ND	72.8	63-126			
1,4-Dichlorobenzene	408.9	10.0	ug/L	501	ND	81.6	72-119			
1,2-Dichlorobenzene	439.2	10.0	ug/L	501	ND	87.7	71-117			
1,2-Dibromo-3-chloropropane	319.4	50.0	ug/L	501	ND	63.7	49-134			
Surrogate: Dibromofluoromethane	564		ug/L	502		112	57-134			
Surrogate: Dibromofluoromethane	564		ug/L	502		112	75-136			
Surrogate: 1,2-Dichloroethane-d4	519		ug/L	501		104	53-140			
Surrogate: 1,2-Dichloroethane-d4	519		ug/L	501		104	61-142			
Surrogate: Toluene-d8	537		ug/L	504		107	86-114			
Surrogate: Toluene-d8	537		ug/L	504		107	82-121			
Surrogate: 4-Bromofluorobenzene	553		ug/L	501		110	78-121			
Surrogate: 4-Bromofluorobenzene	553		ug/L	501		110	80-116			
Matrix Spike Dup (1ID1138-MSD1)	Source: 1ID1594-21			Prepared: 04/21/25 00:00 Analyzed: 04/21/25 23:25						
Chloromethane	284.9	10.0	ug/L	303	ND	94.0	61-152	0.210	26	
Vinyl Chloride	303.2	10.0	ug/L	302	ND	100	66-149	1.47	23	
Bromomethane	295.9	10.0	ug/L	301	ND	98.2	43-171	0.573	29	
Chloroethane	301.2	10.0	ug/L	303	ND	99.3	69-148	2.88	25	
Trichlorofluoromethane	340.2	10.0	ug/L	303	ND	112	62-163	3.21	25	
1,1-Dichloroethylene	588.4	10.0	ug/L	501	ND	117	70-148	1.27	22	
Acetone	1085	100	ug/L	1000	ND	108	45-173	13.3	30	
Methyl Iodide	1224	10.0	ug/L	1000	ND	122	62-167	1.32	24	
Carbon Disulfide	1036	10.0	ug/L	1000	ND	104	71-163	1.16	22	
Methylene Chloride	543.5	50.0	ug/L	501	ND	108	69-140	1.61	19	

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1138 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1ID1138-MSD1) Source: 1ID1594-21 Prepared: 04/21/25 00:00 Analyzed: 04/21/25 23:25										
Acrylonitrile	535.2	50.0	ug/L	502	ND	107	38-147	3.40	30	
trans-1,2-Dichloroethylene	577.7	10.0	ug/L	501	ND	115	69-144	1.46	22	
1,1-Dichloroethane	574.3	10.0	ug/L	501	ND	115	70-138	1.10	20	
Vinyl Acetate	1518	50.0	ug/L	1400	ND	108	58-142	1.07	24	
cis-1,2-Dichloroethylene	547.4	10.0	ug/L	504	ND	109	68-151	1.47	22	
2-Butanone (MEK)	999.3	100	ug/L	1000	ND	99.9	50-160	1.91	23	
Bromochloromethane	540.2	10.0	ug/L	504	ND	107	65-143	0.613	22	
Chloroform	543.7	10.0	ug/L	501	ND	109	71-143	1.12	21	
1,1,1-Trichloroethane	616.1	10.0	ug/L	501	ND	123	63-133	1.88	23	
Carbon Tetrachloride	621.9	10.0	ug/L	501	ND	124	63-142	1.14	22	
Benzene	521.7	10.0	ug/L	504	ND	103	69-133	4.70	18	
1,2-Dichloroethane	524.2	10.0	ug/L	501	ND	105	63-138	6.28	20	
Trichloroethylene	555.2	10.0	ug/L	501	ND	111	71-133	5.09	23	
1,2-Dichloropropane	526.1	10.0	ug/L	501	ND	105	69-132	5.36	20	
Dibromomethane	485.0	10.0	ug/L	504	ND	96.3	70-147	5.18	22	
Bromodichloromethane	569.5	10.0	ug/L	501	ND	114	67-130	5.05	21	
cis-1,3-Dichloropropene	445.3	10.0	ug/L	501	ND	88.9	61-126	0.269	21	
4-Methyl-2-pentanone (MIBK)	842.1	50.0	ug/L	1000	ND	84.2	55-147	2.57	23	
Toluene	523.7	10.0	ug/L	505	ND	104	71-133	5.35	19	
trans-1,3-Dichloropropene	450.4	10.0	ug/L	501	ND	89.9	63-124	2.82	21	
1,1,2-Trichloroethane	490.5	10.0	ug/L	501	ND	97.9	69-133	7.46	19	
Tetrachloroethylene	499.1	10.0	ug/L	501	ND	99.6	70-124	3.56	24	
2-Hexanone (MBK)	642.8	50.0	ug/L	1000	ND	64.3	53-141	7.81	24	
Dibromochloromethane	492.0	10.0	ug/L	501	ND	98.3	74-122	1.51	21	
1,2-Dibromoethane	441.6	10.0	ug/L	502	ND	87.9	66-127	1.04	23	
Chlorobenzene	461.9	10.0	ug/L	501	ND	92.2	76-116	3.01	21	
1,1,1,2-Tetrachloroethane	479.8	10.0	ug/L	503	ND	95.3	77-121	2.35	25	
Ethylbenzene	485.0	10.0	ug/L	502	ND	96.7	73-124	2.89	20	
Xylenes, total	1489	20.0	ug/L	1510	ND	98.6	75-123	2.62	20	
Styrene	450.5	10.0	ug/L	504	ND	89.4	70-120	3.32	23	
Bromoform	471.4	10.0	ug/L	501	ND	94.1	70-124	3.83	22	
1,2,3-Trichloropropane	465.6	10.0	ug/L	503	ND	92.5	62-135	1.22	28	
trans-1,4-Dichloro-2-butene	833.9	50.0	ug/L	1000	ND	83.4	50-120	9.92	26	
1,1,2,2-Tetrachloroethane	365.2	10.0	ug/L	501	ND	72.9	63-126	0.0822	24	
1,4-Dichlorobenzene	399.6	10.0	ug/L	501	ND	79.7	72-119	2.30	24	
1,2-Dichlorobenzene	434.2	10.0	ug/L	501	ND	86.7	71-117	1.14	24	
1,2-Dibromo-3-chloropropane	310.8	50.0	ug/L	501	ND	62.0	49-134	2.73	28	
Surrogate: Dibromofluoromethane	556		ug/L	502		111	57-134			
Surrogate: Dibromofluoromethane	556		ug/L	502		111	75-136			
Surrogate: 1,2-Dichloroethane-d4	527		ug/L	501		105	53-140			
Surrogate: 1,2-Dichloroethane-d4	527		ug/L	501		105	61-142			
Surrogate: Toluene-d8	528		ug/L	504		105	86-114			
Surrogate: Toluene-d8	528		ug/L	504		105	82-121			

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1138 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1ID1138-MSD1)		Source: 1ID1594-21		Prepared: 04/21/25 00:00 Analyzed: 04/21/25 23:25						
Surrogate: 4-Bromofluorobenzene	540		ug/L	501		108	78-121			
Surrogate: 4-Bromofluorobenzene	540		ug/L	501		108	80-116			
Batch 1ID1376 - EPA 5030B - EPA 8260D										
Blank (1ID1376-BLK1)		Prepared: 04/24/25 00:00 Analyzed: 04/24/25 15:04								
Chloroethane	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
1,4-Dichlorobenzene	<1.0	1.0	ug/L							
Surrogate: Dibromofluoromethane	39.0		ug/L	50.2		77.6	75-136			
Surrogate: 1,2-Dichloroethane-d4	38.7		ug/L	50.1		77.3	61-142			
Surrogate: Toluene-d8	52.2		ug/L	50.4		104	82-121			
Surrogate: 4-Bromofluorobenzene	47.2		ug/L	50.1		94.2	80-116			
LCS (1ID1376-BS1)		Prepared: 04/24/25 00:00 Analyzed: 04/24/25 13:57								
Chloroethane	28.84	1.0	ug/L	30.3		95.1	72-148			
1,1-Dichloroethane	51.67	1.0	ug/L	50.1		103	66-143			
cis-1,2-Dichloroethylene	51.54	1.0	ug/L	50.4		102	71-149			
1,2-Dichloropropane	42.41	1.0	ug/L	50.1		84.7	69-136			
Ethylbenzene	54.49	1.0	ug/L	50.2		109	71-127			
1,4-Dichlorobenzene	48.68	1.0	ug/L	50.1		97.1	70-129			
Surrogate: Dibromofluoromethane	52.5		ug/L	50.2		105	75-136			
Surrogate: 1,2-Dichloroethane-d4	55.2		ug/L	50.1		110	61-142			
Surrogate: Toluene-d8	49.2		ug/L	50.4		97.7	82-121			
Surrogate: 4-Bromofluorobenzene	52.2		ug/L	50.1		104	80-116			
LCS Dup (1ID1376-BSD1)		Prepared: 04/24/25 00:00 Analyzed: 04/24/25 14:20								
Chloroethane	26.66	1.0	ug/L	30.3		87.9	72-148	7.86	25	
1,1-Dichloroethane	49.50	1.0	ug/L	50.1		98.8	66-143	4.29	24	
cis-1,2-Dichloroethylene	49.91	1.0	ug/L	50.4		99.1	71-149	3.21	26	
1,2-Dichloropropane	40.61	1.0	ug/L	50.1		81.1	69-136	4.34	24	
Ethylbenzene	52.09	1.0	ug/L	50.2		104	71-127	4.50	26	
1,4-Dichlorobenzene	47.56	1.0	ug/L	50.1		94.9	70-129	2.33	24	
Surrogate: Dibromofluoromethane	52.9		ug/L	50.2		105	75-136			
Surrogate: 1,2-Dichloroethane-d4	55.4		ug/L	50.1		111	61-142			
Surrogate: Toluene-d8	49.4		ug/L	50.4		98.1	82-121			
Surrogate: 4-Bromofluorobenzene	51.6		ug/L	50.1		103	80-116			
Matrix Spike (1ID1376-MS1)		Source: 1ID1322-06RE1 Prepared: 04/24/25 00:00 Analyzed: 04/24/25 22:10								
Chloroethane	279.5	10.0	ug/L	303	ND	92.2	69-148			
1,1-Dichloroethane	569.2	10.0	ug/L	501	ND	114	70-138			

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1376 - EPA 5030B - EPA 8260D										
Matrix Spike (1ID1376-MS1) Source: 1ID1322-06RE1 Prepared: 04/24/25 00:00 Analyzed: 04/24/25 22:10										
cis-1,2-Dichloroethylene	579.5	10.0	ug/L	504	ND	115	68-151			
1,2-Dichloropropane	438.8	10.0	ug/L	501	ND	87.6	69-132			
Ethylbenzene	497.0	10.0	ug/L	502	ND	99.1	73-124			
1,4-Dichlorobenzene	489.3	10.0	ug/L	501	ND	97.6	72-119			
Surrogate: Dibromofluoromethane	674		ug/L	502		134	75-136			
Surrogate: 1,2-Dichloroethane-d4	728		ug/L	501		145	61-142			S1
Surrogate: Toluene-d8	499		ug/L	504		99.1	82-121			
Surrogate: 4-Bromofluorobenzene	530		ug/L	501		106	80-116			
Matrix Spike Dup (1ID1376-MSD1) Source: 1ID1322-06RE1 Prepared: 04/24/25 00:00 Analyzed: 04/24/25 22:33										
Chloroethane	292.0	10.0	ug/L	303	ND	96.3	69-148	4.37	25	
1,1-Dichloroethane	595.0	10.0	ug/L	501	ND	119	70-138	4.43	20	
cis-1,2-Dichloroethylene	608.1	10.0	ug/L	504	ND	121	68-151	4.82	22	
1,2-Dichloropropane	475.1	10.0	ug/L	501	ND	94.8	69-132	7.94	20	
Ethylbenzene	530.5	10.0	ug/L	502	ND	106	73-124	6.52	20	
1,4-Dichlorobenzene	531.2	10.0	ug/L	501	ND	106	72-119	8.21	24	
Surrogate: Dibromofluoromethane	655		ug/L	502		130	75-136			
Surrogate: 1,2-Dichloroethane-d4	734		ug/L	501		147	61-142			
Surrogate: Toluene-d8	494		ug/L	504		98.1	82-121			
Surrogate: 4-Bromofluorobenzene	545		ug/L	501		109	80-116			
Batch 1IE0131 - EPA 5030B - EPA 8260D										
Blank (1IE0131-BLK1) Prepared: 05/02/25 00:00 Analyzed: 05/02/25 16:23										
Acetone	<10.0	10.0	ug/L							
Carbon Disulfide	<1.0	1.0	ug/L							
Surrogate: Dibromofluoromethane	53.5		ug/L	50.2		107	75-136			
Surrogate: 1,2-Dichloroethane-d4	56.8		ug/L	50.1		113	61-142			
Surrogate: Toluene-d8	46.8		ug/L	50.4		93.0	82-121			
Surrogate: 4-Bromofluorobenzene	50.2		ug/L	50.1		100	80-116			
LCS (1IE0131-BS1) Prepared: 05/02/25 00:00 Analyzed: 05/02/25 15:16										
Acetone	97.90	10.0	ug/L	100		97.9	43-172			
Carbon Disulfide	90.34	1.0	ug/L	100		90.3	72-162			
Surrogate: Dibromofluoromethane	48.7		ug/L	50.2		97.1	75-136			
Surrogate: 1,2-Dichloroethane-d4	50.6		ug/L	50.1		101	61-142			
Surrogate: Toluene-d8	50.1		ug/L	50.4		99.5	82-121			
Surrogate: 4-Bromofluorobenzene	50.3		ug/L	50.1		100	80-116			
LCS Dup (1IE0131-BSD1) Prepared: 05/02/25 00:00 Analyzed: 05/02/25 15:39										
Acetone	92.28	10.0	ug/L	100		92.3	43-172	5.91	30	
Carbon Disulfide	87.60	1.0	ug/L	100		87.6	72-162	3.08	24	
Surrogate: Dibromofluoromethane	47.7		ug/L	50.2		95.0	75-136			
Surrogate: 1,2-Dichloroethane-d4	50.0		ug/L	50.1		99.8	61-142			

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CERTIFICATE OF ANALYSIS

11D1594

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11E0131 - EPA 5030B - EPA 8260D										
LCS Dup (11E0131-BSD1)				Prepared: 05/02/25 00:00 Analyzed: 05/02/25 15:39						
Surrogate: Toluene-d8	51.3		ug/L	50.4		102	82-121			
Surrogate: 4-Bromofluorobenzene	49.8		ug/L	50.1		99.3	80-116			
Matrix Spike (11E0131-MS1)				Source: 11D1749-01	Prepared: 05/02/25 00:00 Analyzed: 05/02/25 21:22					
Acetone	949.5	100	ug/L	1000	ND	95.0	45-173			
Carbon Disulfide	920.1	10.0	ug/L	1000	ND	92.0	71-163			
Surrogate: Dibromofluoromethane	463		ug/L	502		92.3	75-136			
Surrogate: 1,2-Dichloroethane-d4	492		ug/L	501		98.3	61-142			
Surrogate: Toluene-d8	504		ug/L	504		100	82-121			
Surrogate: 4-Bromofluorobenzene	504		ug/L	501		101	80-116			
Matrix Spike Dup (11E0131-MSD1)				Source: 11D1749-01	Prepared: 05/02/25 00:00 Analyzed: 05/02/25 21:44					
Acetone	971.2	100	ug/L	1000	ND	97.1	45-173	2.26	30	
Carbon Disulfide	957.2	10.0	ug/L	1000	ND	95.7	71-163	3.95	22	
Surrogate: Dibromofluoromethane	486		ug/L	502		96.8	75-136			
Surrogate: 1,2-Dichloroethane-d4	511		ug/L	501		102	61-142			
Surrogate: Toluene-d8	500		ug/L	504		99.2	82-121			
Surrogate: 4-Bromofluorobenzene	512		ug/L	501		102	80-116			
Determination of General Solvents	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11D1482 - Semi-Vol GC - EPA 8015C										
Blank (11D1482-BLK1)				Prepared: 04/28/25 15:09 Analyzed: 04/28/25 22:01						
Isobutanol	<1.0	1.0	mg/L							
LCS (11D1482-BS1)				Prepared: 04/28/25 15:09 Analyzed: 04/28/25 18:15						
Isobutanol	25.82	1.0	mg/L	24.0		108	77-128			
Matrix Spike (11D1482-MS1)				Source: 11D1702-01	Prepared: 04/28/25 15:09 Analyzed: 04/29/25 01:10					
Isobutanol	26.45	1.0	mg/L	24.0	ND	110	68-127			
Matrix Spike Dup (11D1482-MSD1)				Source: 11D1702-01	Prepared: 04/28/25 15:09 Analyzed: 04/29/25 01:48					
Isobutanol	26.48	1.0	mg/L	24.0	ND	110	68-127	0.117	30	
Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11D1072 - 3520C BNA Cont Liq - EPA 8270C										
Blank (11D1072-BLK1)				Prepared: 04/21/25 11:31 Analyzed: 04/29/25 13:20						
N-Nitrosodimethylamine	<8	8	ug/L							
Methyl Methanesulfonate	<8	8	ug/L							
N-Nitrosodiethylamine	<8	8	ug/L							



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Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1072 - 3520C BNA Cont Liq - EPA 8270C									
Blank (1ID1072-BLK1)				Prepared: 04/21/25 11:31 Analyzed: 04/29/25 13:20					
N-Nitrosomethylethylamine	<8	8	ug/L						
Ethyl Methanesulfonate	<8	8	ug/L						
Phenol	<8	8	ug/L						
Bis(2-Chloroethyl) Ether	<8	8	ug/L						
2-Chlorophenol	<8	8	ug/L						
Benzyl Alcohol	<8	8	ug/L						
2-Methylphenol (o-Cresol)	<8	8	ug/L						
Bis[2-Chloroisopropyl]ether	<8	8	ug/L						
n-Nitroso-di-n-propylamine	<8	8	ug/L						
N-Nitrosopyrrolidine	<8	8	ug/L						
Acetophenone	<8	8	ug/L						
o-Toluidine	<8	8	ug/L						
(3 & 4)-Methylphenol	<8	8	ug/L						
Hexachloroethane	<8	8	ug/L						
Nitrobenzene	<8	8	ug/L						
N-Nitrosopiperidine	<8	8	ug/L						
Isophorone	<8	8	ug/L						
2-Nitrophenol	<8	8	ug/L						
2,4-Dimethylphenol	<8	8	ug/L						
Bis (2-Chloroethoxy) Methane	<8	8	ug/L						
2,4-Dichlorophenol	<8	8	ug/L						
Naphthalene	<8	8	ug/L						
4-Chloroaniline	<8	8	ug/L						
2,6-Dichlorophenol	<8	8	ug/L						
Hexachloropropene	<8	8	ug/L						
Hexachlorobutadiene	<8	8	ug/L						
N-Nitrosodi-n-butylamine	<8	8	ug/L						
1,4-Phenylenediamine	<8	8	ug/L						
4-Chloro-3-methylphenol	<8	8	ug/L						
2-Methylnaphthalene	<8	8	ug/L						
Isosafrole	<8	8	ug/L						
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L						
Hexachlorocyclopentadiene	<8	8	ug/L						
2,4,6-Trichlorophenol	<8	8	ug/L						
2,4,5-Trichlorophenol	<8	8	ug/L						
Safrole	<8	8	ug/L						
2-Chloronaphthalene	<8	8	ug/L						
2-Nitroaniline	<8	8	ug/L						
1,4-Naphthoquinone	<8	8	ug/L						
Dimethylphthalate	<8	8	ug/L						
1,3-Dinitrobenzene	<8	8	ug/L						
1,2-Dinitrobenzene	<8	8	ug/L						

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CERTIFICATE OF ANALYSIS

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Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1072 - 3520C BNA Cont Liq - EPA 8270C									
Blank (1ID1072-BLK1)				Prepared: 04/21/25 11:31 Analyzed: 04/29/25 13:20					
2,6-Dinitrotoluene	<8	8	ug/L						
Acenaphthylene	<8	8	ug/L						
3-Nitroaniline	<8	8	ug/L						
Acenaphthene	<8	8	ug/L						
2,4-Dinitrophenol	<8	8	ug/L						
4-Nitrophenol	<8	8	ug/L						
Dibenzofuran	<8	8	ug/L						
2,4-Dinitrotoluene	<8	8	ug/L						
2,3,4,6-Tetrachlorophenol	<8	8	ug/L						
Pentachlorobenzene	<8	8	ug/L						
1-Naphthylamine	<8	8	ug/L						
2-Naphthylamine	<8	8	ug/L						
Diethyl Phthalate	<8	8	ug/L						
Fluorene	<8	8	ug/L						
4-Chlorophenyl Phenyl Ether	<8	8	ug/L						
4-Nitroaniline	<8	8	ug/L						
5-Nitro-o-toluidine	<8	8	ug/L						
4,6-Dinitro-2-methylphenol	<8	8	ug/L						
N-Nitrosodiphenylamine	<8	8	ug/L						
Diphenylamine	<8	8	ug/L						
Azobenzene	<8	8	ug/L						
Diallate	<8	8	ug/L						
1,3,5-Trinitrobenzene	<8	8	ug/L						
Phenacetin	<8	8	ug/L						
4-Bromophenyl Phenyl Ether	<8	8	ug/L						
4-Aminobiphenyl	<8	8	ug/L						
Pentachlorophenol	<8	8	ug/L						
Pronamide	<8	8	ug/L						
Pentachloronitrobenzene (PCNB)	<8	8	ug/L						
Phenanthrene	<8	8	ug/L						
Anthracene	<8	8	ug/L						
Di-n-butyl Phthalate	<8	8	ug/L						
Methapyrilene	<8	8	ug/L						
Fluoranthene	<8	8	ug/L						
Isodrin	<8	8	ug/L						
Chlorobenzilate	<8	8	ug/L						
Pyrene	<8	8	ug/L						
p-(Dimethylamino)azobenzene	<8	8	ug/L						
3,3-Dimethylbenzidine	<8	8	ug/L						
Butyl Benzyl Phthalate	<8	8	ug/L						
Benzo(a)anthracene	<8	8	ug/L						

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CERTIFICATE OF ANALYSIS

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Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1072 - 3520C BNA Cont Liq - EPA 8270C									
Blank (1ID1072-BLK1)				Prepared: 04/21/25 11:31 Analyzed: 04/29/25 13:20					
Chrysene	<8	8	ug/L						
Bis(2-Ethylhexyl) Phthalate	<6	6	ug/L						
Kepon	<8	8	ug/L						
3,3'-Dichlorobenzidine	<8	8	ug/L						
2-Acetylaminofluorene	<8	8	ug/L						
Di-n-octyl Phthalate	<8	8	ug/L						
Benzo(b)Fluoranthene	<8	8	ug/L						
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L						
Benzo(k)Fluoranthene	<8	8	ug/L						
Benzo(a)Pyrene	<8	8	ug/L						
3-Methylcholanthrene	<8	8	ug/L						
Dibenzo(a,h)anthracene	<8	8	ug/L						
Indeno(1,2,3-cd)Pyrene	<8	8	ug/L						
Benzo(g,h,i)perylene	<8	8	ug/L						
Surrogate: 2-Fluorophenol	19.3		ug/L	20.6		93.8	10-159		
Surrogate: Phenol-d6	18.9		ug/L	19.6		96.3	10-162		
Surrogate: Nitrobenzene-d5	23.5		ug/L	20.6		114	17-154		
Surrogate: 2-Fluorobiphenyl	23.1		ug/L	19.5		118	15-150		
Surrogate: 2,4,6-Tribromophenol	34.6		ug/L	20.0		173	10-156		S1
Surrogate: Terphenyl-d14	30.0		ug/L	20.6		146	10-179		
LCS (1ID1072-BS1)				Prepared: 04/21/25 11:31 Analyzed: 04/29/25 13:45					
N-Nitrosodimethylamine	<8	8	ug/L	10.0		58.7	12-122		
Methyl Methanesulfonate	<8	8	ug/L	10.0		70.2	49-110		
N-Nitrosodiethylamine	<8	8	ug/L	10.0		65.6	19-139		
N-Nitrosomethylethylamine	<8	8	ug/L	10.0		62.3	13-158		
Ethyl Methanesulfonate	<8	8	ug/L	10.0		58.9	50-110		
Phenol	<8	8	ug/L	10.0		60.4	15-130		
Bis(2-Chloroethyl) Ether	<8	8	ug/L	10.0		61.4	28-128		
2-Chlorophenol	<8	8	ug/L	10.0		68.7	12-155		
Benzyl Alcohol	<8	8	ug/L	10.0		35.0	13-143		
2-Methylphenol (o-Cresol)	<8	8	ug/L	10.0		63.8	37-125		
Bis[2-Chloroisopropyl]ether	<8	8	ug/L	10.0		67.9	31-130		
n-Nitroso-di-n-propylamine	<8	8	ug/L	10.0		64.2	38-128		
N-Nitrosopyrrolidine	<8	8	ug/L	10.0		65.2	22-143		
Acetophenone	<8	8	ug/L	10.0		69.9	52-120		
o-Toluidine	<8	8	ug/L	10.0		23.4	10-110		
(3 & 4)-Methylphenol	<8	8	ug/L	10.0		65.5	35-129		
Hexachloroethane	<8	8	ug/L	10.0		59.2	19-110		
Nitrobenzene	<8	8	ug/L	10.0		77.1	26-148		
N-Nitrosopiperidine	<8	8	ug/L	10.0		69.4	23-140		
Isophorone	<8	8	ug/L	10.0		67.7	37-134		

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1072 - 3520C BNA Cont Liq - EPA 8270C									
LCS (1ID1072-BS1)				Prepared: 04/21/25 11:31 Analyzed: 04/29/25 13:45					
2-Nitrophenol	<8	8	ug/L	10.0		71.2	37-127		
2,4-Dimethylphenol	<8	8	ug/L	10.0		75.3	36-131		
Bis (2-Chloroethoxy) Methane	<8	8	ug/L	10.0		53.9	31-119		
2,4-Dichlorophenol	<8	8	ug/L	10.0		71.7	32-148		
Naphthalene	<8	8	ug/L	10.0		64.3	37-110		
2,6-Dichlorophenol	<8	8	ug/L	10.0		70.3	28-154		
Hexachloropropene	<8	8	ug/L	10.0		28.7	10-110		
Hexachlorobutadiene	<8	8	ug/L	10.0		66.1	21-110		
N-Nitrosodi-n-butylamine	<8	8	ug/L	10.0		62.6	24-135		
4-Chloro-3-methylphenol	<8	8	ug/L	10.0		71.0	32-146		
2-Methylnaphthalene	<8	8	ug/L	10.0		66.9	36-113		
Isosafrole	<8	8	ug/L	10.0		66.6	43-117		
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L	10.0		58.2	34-110		
Hexachlorocyclopentadiene	<8	8	ug/L	10.0		28.2	10-110		
2,4,6-Trichlorophenol	<8	8	ug/L	10.0		76.0	32-159		
2,4,5-Trichlorophenol	<8	8	ug/L	10.0		78.1	35-164		
Safrole	<8	8	ug/L	10.0		66.4	34-122		
2-Chloronaphthalene	<8	8	ug/L	10.0		58.8	18-136		
2-Nitroaniline	<8	8	ug/L	10.0		67.3	35-151		
1,4-Naphthoquinone	8.8	8	ug/L	10.0		87.7	32-188		
Dimethylphthalate	<8	8	ug/L	10.0		79.0	39-147		
1,3-Dinitrobenzene	<8	8	ug/L	10.0		71.4	30-163		
1,2-Dinitrobenzene	<8	8	ug/L	10.0		67.7	31-159		
2,6-Dinitrotoluene	<8	8	ug/L	10.0		76.2	42-144		
Acenaphthylene	<8	8	ug/L	10.0		68.6	35-122		
3-Nitroaniline	<8	8	ug/L	10.0		22.9	10-135		
Acenaphthene	<8	8	ug/L	10.0		72.3	37-128		
2,4-Dinitrophenol	<8	8	ug/L	10.0		50.6	31-164		
4-Nitrophenol	9.7	8	ug/L	10.0		97.0	11-175		
Dibenzofuran	<8	8	ug/L	10.0		72.7	36-132		
2,4-Dinitrotoluene	<8	8	ug/L	10.0		78.9	45-142		
2,3,4,6-Tetrachlorophenol	<8	8	ug/L	10.0		71.0	22-159		
Pentachlorobenzene	<8	8	ug/L	10.0		71.1	45-125		
Diethyl Phthalate	8.6	8	ug/L	10.0		86.1	38-155		
Fluorene	<8	8	ug/L	10.0		75.3	40-131		
4-Chlorophenyl Phenyl Ether	<8	8	ug/L	10.0		76.5	36-130		
4-Nitroaniline	<8	8	ug/L	10.0		55.6	10-142		
5-Nitro-o-toluidine	<8	8	ug/L	10.0		44.0	10-172		
4,6-Dinitro-2-methylphenol	<8	8	ug/L	10.0		62.4	32-150		
N-Nitrosodiphenylamine	<8	8	ug/L	10.0		62.7	10-154		
Diphenylamine	<8	8	ug/L	10.0		62.7	10-166		
Azobenzene	<8	8	ug/L	10.0		72.7	33-144		

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1072 - 3520C BNA Cont Liq - EPA 8270C									
LCS (1ID1072-BS1)									
				Prepared: 04/21/25 11:31 Analyzed: 04/29/25 13:45					
Diallate	<8	8	ug/L	10.0		60.9 47-152			
1,3,5-Trinitrobenzene	<8	8	ug/L	10.0		76.2 51-151			
Phenacetin	<8	8	ug/L	10.0		75.3 58-143			
4-Bromophenyl Phenyl Ether	<8	8	ug/L	10.0		78.4 38-141			
Pentachlorophenol	<8	8	ug/L	10.0		66.6 21-154			
Pronamide	<8	8	ug/L	10.0		74.3 27-143			
Pentachloronitrobenzene (PCNB)	8.9	8	ug/L	10.0		88.8 51-163			
Phenanthrene	<8	8	ug/L	10.0		72.5 42-141			
Anthracene	<8	8	ug/L	10.0		69.6 43-136			
Di-n-butyl Phthalate	<8	8	ug/L	10.0		78.6 44-158			
Fluoranthene	<8	8	ug/L	10.0		75.7 44-145			
Isodrin	<8	8	ug/L	10.0		72.6 54-126			
Chlorobenzilate	<8	8	ug/L	10.0		78.3 25-164			
Pyrene	<8	8	ug/L	10.0		70.3 37-155			
p-(Dimethylamino)azobenzene	<8	8	ug/L	10.0		55.4 10-175			
Butyl Benzyl Phthalate	<8	8	ug/L	10.0		73.7 35-163			
Benzo(a)anthracene	<8	8	ug/L	10.0		72.2 40-142			
Chrysene	<8	8	ug/L	10.0		73.3 45-142			
Bis(2-Ethylhexyl) Phthalate	17.4	6	ug/L	10.0		174 32-180			
2-Acetylaminofluorene	<8	8	ug/L	10.0		67.3 27-177			
Di-n-octyl Phthalate	<8	8	ug/L	10.0		76.6 32-181			
Benzo(b)Fluoranthene	<8	8	ug/L	10.0		74.9 40-160			
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L	10.0		62.8 46-128			
Benzo(k)Fluoranthene	<8	8	ug/L	10.0		76.8 42-159			
Benzo(a)Pyrene	<8	8	ug/L	10.0		69.6 45-143			
3-Methylcholanthrene	<8	8	ug/L	10.0		49.8 10-164			
Dibenzo(a,h)anthracene	<8	8	ug/L	10.0		74.3 30-159			
Indeno(1,2,3-cd)Pyrene	<8	8	ug/L	10.0		75.3 31-156			
Benzo(g,h,i)perylene	<8	8	ug/L	10.0		75.5 26-158			
Surrogate: 2-Fluorophenol	19.8		ug/L	20.6		95.8 10-159			
Surrogate: Phenol-d6	19.6		ug/L	19.6		100 10-162			
Surrogate: Nitrobenzene-d5	24.6		ug/L	20.6		120 34-138			
Surrogate: 2-Fluorobiphenyl	24.9		ug/L	19.5		128 42-129			
Surrogate: 2,4,6-Tribromophenol	34.0		ug/L	20.0		169 10-156			S1
Surrogate: Terphenyl-d14	28.8		ug/L	20.6		140 46-154			
LCS Dup (1ID1072-BSD1)									
				Prepared: 04/21/25 11:31 Analyzed: 04/29/25 14:09					
N-Nitrosodimethylamine	<8	8	ug/L	10.0		52.3 12-122	11.5	27	
Methyl Methanesulfonate	<8	8	ug/L	10.0		69.4 49-110	1.15	16	
N-Nitrosodiethylamine	<8	8	ug/L	10.0		63.0 19-139	4.04	30	
N-Nitrosomethylethylamine	<8	8	ug/L	10.0		58.4 13-158	6.46	30	

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Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch 1ID1072 - 3520C BNA Cont Liq - EPA 8270C								
LCS Dup (1ID1072-BSD1)								
Prepared: 04/21/25 11:31 Analyzed: 04/29/25 14:09								
Ethyl Methanesulfonate	<8	8	ug/L	10.0		57.0 50-110	3.28 17	
Phenol	<8	8	ug/L	10.0		60.7 15-130	0.495 30	
Bis(2-Chloroethyl) Ether	<8	8	ug/L	10.0		61.0 28-128	0.654 24	
2-Chlorophenol	<8	8	ug/L	10.0		66.8 12-155	2.80 30	
Benzyl Alcohol	<8	8	ug/L	10.0		34.6 13-143	1.15 30	
2-Methylphenol (o-Cresol)	<8	8	ug/L	10.0		69.2 37-125	8.12 30	
Bis[2-Chloroisopropyl]ether	<8	8	ug/L	10.0		66.2 31-130	2.54 26	
n-Nitroso-di-n-propylamine	<8	8	ug/L	10.0		64.1 38-128	0.156 21	
N-Nitrosopyrrolidine	<8	8	ug/L	10.0		66.1 22-143	1.37 30	
Acetophenone	<8	8	ug/L	10.0		69.6 52-120	0.430 22	
o-Toluidine	<8	8	ug/L	10.0		29.2 10-110	22.1 30	
(3 & 4)-Methylphenol	<8	8	ug/L	10.0		64.7 35-129	1.23 30	
Hexachloroethane	<8	8	ug/L	10.0		56.8 19-110	4.14 30	
Nitrobenzene	<8	8	ug/L	10.0		75.5 26-148	2.10 30	
N-Nitrosopiperidine	<8	8	ug/L	10.0		69.5 23-140	0.144 30	
Isophorone	<8	8	ug/L	10.0		68.3 37-134	0.882 26	
2-Nitrophenol	<8	8	ug/L	10.0		71.2 37-127	0.00 30	
2,4-Dimethylphenol	<8	8	ug/L	10.0		75.9 36-131	0.794 30	
Bis (2-Chloroethoxy) Methane	<8	8	ug/L	10.0		61.1 31-119	12.5 30	
2,4-Dichlorophenol	<8	8	ug/L	10.0		74.2 32-148	3.43 30	
Naphthalene	<8	8	ug/L	10.0		64.2 37-110	0.156 30	
2,6-Dichlorophenol	<8	8	ug/L	10.0		70.3 28-154	0.00 30	
Hexachloropropene	<8	8	ug/L	10.0		24.4 10-110	16.2 30	
Hexachlorobutadiene	<8	8	ug/L	10.0		65.4 21-110	1.06 30	
N-Nitrosodi-n-butylamine	<8	8	ug/L	10.0		65.3 24-135	4.22 30	
4-Chloro-3-methylphenol	<8	8	ug/L	10.0		75.2 32-146	5.75 30	
2-Methylnaphthalene	<8	8	ug/L	10.0		77.4 36-113	14.6 26	
Isosafrole	<8	8	ug/L	10.0		65.8 43-117	1.21 29	
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L	10.0		58.2 34-110	0.00 30	
Hexachlorocyclopentadiene	<8	8	ug/L	10.0		23.4 10-110	18.6 30	
2,4,6-Trichlorophenol	8.0	8	ug/L	10.0		79.5 32-159	4.50 30	
2,4,5-Trichlorophenol	8.2	8	ug/L	10.0		82.1 35-164	4.99 30	
Safrole	<8	8	ug/L	10.0		69.6 34-122	4.71 30	
2-Chloronaphthalene	<8	8	ug/L	10.0		60.1 18-136	2.19 30	
2-Nitroaniline	<8	8	ug/L	10.0		68.1 35-151	1.18 21	
1,4-Naphthoquinone	<8	8	ug/L	10.0		69.7 32-188	22.9 30	
Dimethylphthalate	8.3	8	ug/L	10.0		82.9 39-147	4.82 22	
1,3-Dinitrobenzene	<8	8	ug/L	10.0		72.3 30-163	1.25 26	
1,2-Dinitrobenzene	<8	8	ug/L	10.0		71.5 31-159	5.46 26	
2,6-Dinitrotoluene	8.0	8	ug/L	10.0		79.5 42-144	4.24 20	
Acenaphthylene	<8	8	ug/L	10.0		69.0 35-122	0.581 30	
3-Nitroaniline	<8	8	ug/L	10.0		29.4 10-135	24.9 30	

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch 1ID1072 - 3520C BNA Cont Liq - EPA 8270C								
LCS Dup (1ID1072-BSD1)				Prepared: 04/21/25 11:31 Analyzed: 04/29/25 14:09				
Acenaphthene	<8	8	ug/L	10.0	73.2	37-128	1.24	30
2,4-Dinitrophenol	<8	8	ug/L	10.0	54.9	31-164	8.15	30
4-Nitrophenol	8.8	8	ug/L	10.0	87.8	11-175	9.96	30
Dibenzofuran	<8	8	ug/L	10.0	74.6	36-132	2.58	30
2,4-Dinitrotoluene	8.0	8	ug/L	10.0	80.1	45-142	1.51	20
2,3,4,6-Tetrachlorophenol	<8	8	ug/L	10.0	73.6	22-159	3.60	30
Pentachlorobenzene	<8	8	ug/L	10.0	69.9	45-125	1.70	30
Diethyl Phthalate	8.9	8	ug/L	10.0	89.1	38-155	3.42	30
Fluorene	<8	8	ug/L	10.0	75.9	40-131	0.794	30
4-Chlorophenyl Phenyl Ether	<8	8	ug/L	10.0	78.6	36-130	2.71	22
4-Nitroaniline	<8	8	ug/L	10.0	59.2	10-142	6.27	30
5-Nitro-o-toluidine	<8	8	ug/L	10.0	45.8	10-172	4.01	30
4,6-Dinitro-2-methylphenol	<8	8	ug/L	10.0	61.4	32-150	1.62	30
N-Nitrosodiphenylamine	<8	8	ug/L	10.0	67.5	10-154	7.37	30
Diphenylamine	<8	8	ug/L	10.0	67.5	10-166	7.37	30
Azobenzene	<8	8	ug/L	10.0	73.2	33-144	0.685	27
Diallate	<8	8	ug/L	10.0	61.7	47-152	1.31	30
1,3,5-Trinitrobenzene	<8	8	ug/L	10.0	74.3	51-151	2.52	30
Phenacetin	<8	8	ug/L	10.0	73.0	58-143	3.10	24
4-Bromophenyl Phenyl Ether	8.0	8	ug/L	10.0	79.9	38-141	1.90	17
Pentachlorophenol	<8	8	ug/L	10.0	71.7	21-154	7.38	30
Pronamide	<8	8	ug/L	10.0	75.5	27-143	1.60	30
Pentachloronitrobenzene (PCNB)	9.0	8	ug/L	10.0	89.9	51-163	1.23	30
Phenanthrene	<8	8	ug/L	10.0	73.6	42-141	1.51	30
Anthracene	<8	8	ug/L	10.0	70.0	43-136	0.573	30
Di-n-butyl Phthalate	8.1	8	ug/L	10.0	80.8	44-158	2.76	23
Fluoranthene	<8	8	ug/L	10.0	75.9	44-145	0.264	26
Isodrin	<8	8	ug/L	10.0	76.8	54-126	5.62	30
Chlorobenzilate	8.2	8	ug/L	10.0	81.8	25-164	4.37	30
Pyrene	<8	8	ug/L	10.0	76.7	37-155	8.71	24
p-(Dimethylamino)azobenzene	<8	8	ug/L	10.0	62.2	10-175	11.6	30
Butyl Benzyl Phthalate	<8	8	ug/L	10.0	77.8	35-163	5.41	21
Benzo(a)anthracene	<8	8	ug/L	10.0	75.5	40-142	4.47	20
Chrysene	<8	8	ug/L	10.0	76.4	45-142	4.14	30
Bis(2-Ethylhexyl) Phthalate	10.3	6	ug/L	10.0	103	32-180	51.3	30 R1
2-Acetylaminofluorene	<8	8	ug/L	10.0	70.4	27-177	4.50	30
Di-n-octyl Phthalate	<8	8	ug/L	10.0	78.2	32-181	2.07	16
Benzo(b)Fluoranthene	<8	8	ug/L	10.0	77.1	40-160	2.89	24
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L	10.0	64.3	46-128	2.36	30
Benzo(k)Fluoranthene	<8	8	ug/L	10.0	78.4	42-159	2.06	20
Benzo(a)Pyrene	<8	8	ug/L	10.0	73.6	45-143	5.59	30

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1072 - 3520C BNA Cont Liq - EPA 8270C									
LCS Dup (1ID1072-BSD1)			Prepared: 04/21/25 11:31 Analyzed: 04/29/25 14:09						
3-Methylcholanthrene	<8	8	ug/L	10.0	53.9	10-164	7.91	30	
Dibenzo(a,h)anthracene	<8	8	ug/L	10.0	77.4	30-159	4.09	26	
Indeno(1,2,3-cd)Pyrene	<8	8	ug/L	10.0	78.7	31-156	4.42	30	
Benzo(g,h,i)perylene	<8	8	ug/L	10.0	77.9	26-158	3.13	30	
Surrogate: 2-Fluorophenol	18.2		ug/L	20.6	88.4	10-159			
Surrogate: Phenol-d6	19.0		ug/L	19.6	97.2	10-162			
Surrogate: Nitrobenzene-d5	22.6		ug/L	20.6	110	34-138			
Surrogate: 2-Fluorobiphenyl	23.3		ug/L	19.5	120	42-129			
Surrogate: 2,4,6-Tribromophenol	33.4		ug/L	20.0	167	10-156			S1
Surrogate: Terphenyl-d14	29.3		ug/L	20.6	142	46-154			

Determination of Organophosphorus Insecticides	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0955 - 3510C NP/OC Sep Fnl - EPA 8141									
Blank (1ID0955-BLK1)			Prepared: 04/17/25 14:43 Analyzed: 04/21/25 13:31						
O,O,O-Triethyl phosphorothioate	<0.4	0.4	ug/L						
Thionazin	<0.4	0.4	ug/L						
Phorate	<0.4	0.4	ug/L						
Dimethoate	<0.4	0.4	ug/L						
Disulfoton	<0.4	0.4	ug/L						
Methyl Parathion	<0.4	0.4	ug/L						
Parathion	<0.4	0.4	ug/L						
Famphur	<0.4	0.4	ug/L						

Surrogate: 2-Nitro-m-xylene	7.96		ug/L	13.9	57.2	32-110			
LCS (1ID0955-BS1)			Prepared: 04/17/25 14:43 Analyzed: 04/21/25 16:19						
O,O,O-Triethyl phosphorothioate	2.62	0.4	ug/L	4.00	65.5	31-156			
Thionazin	3.08	0.4	ug/L	4.00	77.0	60-128			
Phorate	3.42	0.4	ug/L	4.00	85.4	33-143			
Dimethoate	4.89	0.4	ug/L	4.00	122	60-172			
Disulfoton	3.28	0.4	ug/L	4.00	81.9	51-134			
Methyl Parathion	3.14	0.4	ug/L	4.00	78.5	65-121			
Parathion	2.76	0.4	ug/L	4.00	69.0	60-113			
Famphur	3.92	0.4	ug/L	4.00	98.1	65-133			
Surrogate: 2-Nitro-m-xylene	11.9		ug/L	13.9	85.2	32-110			
LCS Dup (1ID0955-BSD1)			Prepared: 04/17/25 14:43 Analyzed: 04/22/25 10:37						
O,O,O-Triethyl phosphorothioate	2.98	0.4	ug/L	4.00	74.5	31-156	12.9	30	
Thionazin	3.33	0.4	ug/L	4.00	83.2	60-128	7.80	30	



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Determination of Organophosphorus Insecticides	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0955 - 3510C NP/OC Sep Fnl - EPA 8141									
LCS Dup (1ID0955-BSD1) Prepared: 04/17/25 14:43 Analyzed: 04/22/25 10:37									
Phorate	2.68	0.4	ug/L	4.00		66.9 33-143	24.3	30	
Dimethoate	5.22	0.4	ug/L	4.00		130 60-172	6.43	30	
Disulfoton	2.78	0.4	ug/L	4.00		69.4 51-134	16.5	30	
Methyl Parathion	3.22	0.4	ug/L	4.00		80.6 65-121	2.67	30	
Parathion	2.83	0.4	ug/L	4.00		70.8 60-113	2.50	26	
Famphur	3.92	0.4	ug/L	4.00		98.0 65-133	0.127	30	
Surrogate: 2-Nitro-m-xylene	8.68		ug/L	13.9		62.4 32-110			
Reference (1ID0955-SRM1) Prepared: 04/17/25 14:43 Analyzed: 04/21/25 17:43									
O,O,O-Triethyl phosphorothioate	3.44	0.4	ug/L	4.00		86.0 80-120			
Thionazin	3.76	0.4	ug/L	4.00		94.0 80-120			
Phorate	4.34	0.4	ug/L	4.00		108 80-120			
Dimethoate	4.82	0.4	ug/L	4.00		120 80-120			
Disulfoton	4.69	0.4	ug/L	4.00		117 80-120			
Methyl Parathion	3.86	0.4	ug/L	4.00		96.5 80-120			
Parathion	3.29	0.4	ug/L	4.00		82.2 80-120			
Famphur	4.62	0.4	ug/L	4.00		116 80-120			
Surrogate: 2-Nitro-m-xylene	10.0		ug/L	13.9		72.1 32-110			
Determination of Chlorinated Phenoxy Herbicides	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1076 - EPA 8151A - EPA 8151A									
Blank (1ID1076-BLK1) Prepared: 04/21/25 12:14 Analyzed: 04/24/25 14:57									
2,4-D	<2.0	2.0	ug/L						
2,4,5-TP (Silvex)	<0.5	0.5	ug/L						
2,4,5-T	<0.5	0.5	ug/L						
Dinoseb	<0.5	0.5	ug/L						
Surrogate: 2,5-Dichlorobenzoic Acid	1.64		ug/L	1.81		90.6 49-174			
LCS (1ID1076-BS1) Prepared: 04/21/25 12:14 Analyzed: 04/24/25 16:58									
2,4-D	<2.0	2.0	ug/L	1.00		84.9 38-135			
2,4,5-TP (Silvex)	<0.5	0.5	ug/L	0.500		91.7 50-137			
2,4,5-T	<0.5	0.5	ug/L	0.500		96.4 49-157			
Dinoseb	0.75	0.5	ug/L	1.00		75.2 10-129			
Surrogate: 2,5-Dichlorobenzoic Acid	1.74		ug/L	1.81		96.5 49-174			
LCS Dup (1ID1076-BSD1) Prepared: 04/21/25 12:14 Analyzed: 04/24/25 17:28									
2,4-D	<2.0	2.0	ug/L	1.00		90.8 38-135	6.69	30	
2,4,5-TP (Silvex)	0.50	0.5	ug/L	0.500		99.3 50-137	7.97	30	
2,4,5-T	0.53	0.5	ug/L	0.500		106 49-157	9.36	30	

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Determination of Chlorinated Phenoxy Herbicides	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11D1076 - EPA 8151A - EPA 8151A									

LCS Dup (11D1076-BSD1)				Prepared: 04/21/25 12:14 Analyzed: 04/24/25 17:28					
Dinoseb	0.87	0.5	ug/L	1.00	87.0	10-129	14.5	30	
Surrogate: 2,5-Dichlorobenzoic Acid	1.76		ug/L	1.81	97.3	49-174			

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11D0954 - 3510C NP/OC Sep Fnl - EPA 8081									

Blank (11D0954-BLK1)				Prepared: 04/17/25 14:41 Analyzed: 04/21/25 14:14					
Alpha-BHC	<0.05	0.05	ug/L						
Gamma-BHC [Lindane]	<0.05	0.05	ug/L						
Beta-BHC	<0.05	0.05	ug/L						
Heptachlor	<0.05	0.05	ug/L						
Delta-BHC	<0.05	0.05	ug/L						
Aldrin	<0.05	0.05	ug/L						
Heptachlor Epoxide	<0.05	0.05	ug/L						
Endosulfan I	<0.05	0.05	ug/L						
4,4'-DDE	<0.05	0.05	ug/L						
Dieldrin	<0.05	0.05	ug/L						
Endrin	<0.05	0.05	ug/L						
4,4'-DDD	<0.05	0.05	ug/L						
Endosulfan II	<0.05	0.05	ug/L						
4,4'-DDT	<0.05	0.05	ug/L						
Endrin Aldehyde	<0.05	0.05	ug/L						
Endosulfan Sulfate	<0.05	0.05	ug/L						
Methoxychlor	<0.05	0.05	ug/L						
Chlordane	<0.10	0.10	ug/L						
Toxaphene	<0.20	0.20	ug/L						
Hexachlorobenzene	<0.05	0.05	ug/L						

Surrogate: Tetrachloro-m-xylene	0.434		ug/L	0.600	72.3	45-111			
LCS (11D0954-BS1)				Prepared: 04/17/25 14:41 Analyzed: 04/21/25 16:29					
Alpha-BHC	0.217	0.05	ug/L	0.250	86.7	60-125			
Gamma-BHC [Lindane]	0.248	0.05	ug/L	0.250	99.2	60-130			
Beta-BHC	0.226	0.05	ug/L	0.250	90.2	63-118			
Heptachlor	0.228	0.05	ug/L	0.250	91.1	67-130			
Delta-BHC	0.240	0.05	ug/L	0.250	96.2	65-143			
Aldrin	0.218	0.05	ug/L	0.250	87.3	59-114			
Heptachlor Epoxide	0.240	0.05	ug/L	0.250	96.0	56-129			
Endosulfan I	0.242	0.05	ug/L	0.250	96.8	64-134			
4,4'-DDE	0.233	0.05	ug/L	0.250	93.3	66-128			
Dieldrin	0.248	0.05	ug/L	0.250	99.0	62-121			



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Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0954 - 3510C NP/OC Sep Fnl - EPA 8081									
LCS (1ID0954-BS1)									
Prepared: 04/17/25 14:41 Analyzed: 04/21/25 16:29									
Endrin	0.255	0.05	ug/L	0.250		102	27-177		
4,4'-DDD	0.256	0.05	ug/L	0.250		102	64-131		
Endosulfan II	0.253	0.05	ug/L	0.250		101	68-130		
4,4'-DDT	0.246	0.05	ug/L	0.250		98.3	64-145		
Endrin Aldehyde	0.234	0.05	ug/L	0.250		93.5	50-135		
Endosulfan Sulfate	0.238	0.05	ug/L	0.250		95.2	72-121		
Methoxychlor	0.247	0.05	ug/L	0.250		98.7	60-157		
Surrogate: Tetrachloro-m-xylene	0.440		ug/L	0.600		73.3	45-111		
LCS Dup (1ID0954-BSD1)									
Prepared: 04/17/25 14:41 Analyzed: 04/21/25 16:43									
Alpha-BHC	0.225	0.05	ug/L	0.250		89.9	60-125	3.66	30
Gamma-BHC [Lindane]	0.256	0.05	ug/L	0.250		103	60-130	3.38	30
Beta-BHC	0.239	0.05	ug/L	0.250		95.7	63-118	5.87	30
Heptachlor	0.237	0.05	ug/L	0.250		94.8	67-130	4.01	30
Delta-BHC	0.246	0.05	ug/L	0.250		98.3	65-143	2.25	30
Aldrin	0.221	0.05	ug/L	0.250		88.5	59-114	1.37	30
Heptachlor Epoxide	0.243	0.05	ug/L	0.250		97.1	56-129	1.19	30
Endosulfan I	0.220	0.05	ug/L	0.250		88.1	64-134	9.36	30
4,4'-DDE	0.218	0.05	ug/L	0.250		87.0	66-128	7.00	30
Dieldrin	0.249	0.05	ug/L	0.250		99.7	62-121	0.656	30
Endrin	0.259	0.05	ug/L	0.250		103	27-177	1.52	30
4,4'-DDD	0.260	0.05	ug/L	0.250		104	64-131	1.48	30
Endosulfan II	0.256	0.05	ug/L	0.250		102	68-130	1.07	30
4,4'-DDT	0.249	0.05	ug/L	0.250		99.7	64-145	1.44	30
Endrin Aldehyde	0.236	0.05	ug/L	0.250		94.5	50-135	1.04	30
Endosulfan Sulfate	0.247	0.05	ug/L	0.250		98.7	72-121	3.62	30
Methoxychlor	0.249	0.05	ug/L	0.250		99.6	60-157	0.930	30
Surrogate: Tetrachloro-m-xylene	0.452		ug/L	0.600		75.3	45-111		
Reference (1ID0954-SRM1)									
Prepared: 04/17/25 14:41 Analyzed: 04/21/25 16:58									
Alpha-BHC	0.239	0.05	ug/L	0.250		95.4	80-120		
Gamma-BHC [Lindane]	0.269	0.05	ug/L	0.250		108	80-120		
Beta-BHC	0.248	0.05	ug/L	0.250		99.1	80-120		
Heptachlor	0.258	0.05	ug/L	0.250		103	80-120		
Delta-BHC	0.258	0.05	ug/L	0.250		103	80-120		
Aldrin	0.245	0.05	ug/L	0.250		98.2	80-120		
Heptachlor Epoxide	0.252	0.05	ug/L	0.250		101	80-120		
Endosulfan I	0.242	0.05	ug/L	0.250		96.9	80-120		
4,4'-DDE	0.221	0.05	ug/L	0.250		88.5	80-120		
Dieldrin	0.251	0.05	ug/L	0.250		100	80-120		
Endrin	0.256	0.05	ug/L	0.250		103	80-120		
4,4'-DDD	0.289	0.05	ug/L	0.250		116	80-120		

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Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11D0954 - 3510C NP/OC Sep Fnl - EPA 8081									
Reference (11D0954-SRM1)				Prepared: 04/17/25 14:41 Analyzed: 04/21/25 16:58					
Endosulfan II	0.262	0.05	ug/L	0.250		105	80-120		
4,4'-DDT	0.226	0.05	ug/L	0.250		90.4	80-120		
Endrin Aldehyde	0.279	0.05	ug/L	0.250		112	80-120		
Endosulfan Sulfate	0.254	0.05	ug/L	0.250		102	80-120		
Methoxychlor	0.219	0.05	ug/L	0.250		87.5	80-120		
Hexachlorobenzene	0.238	0.05	ug/L	0.250		95.0	80-120		

Surrogate: Tetrachloro-m-xylene 0.553 ug/L 0.600 92.1 45-111

Determination of Polychlorinated Biphenyls (PCB)	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11D0953 - 3510C NP/OC Sep Fnl - EPA 8082									
Blank (11D0953-BLK1)				Prepared: 04/17/25 14:37 Analyzed: 04/21/25 14:14					
Arochlor 1016	<0.20	0.20	ug/L						
Arochlor 1221	<0.20	0.20	ug/L						
Arochlor 1232	<0.20	0.20	ug/L						
Arochlor 1242	<0.20	0.20	ug/L						
Arochlor 1248	<0.20	0.20	ug/L						
Arochlor 1254	<0.20	0.20	ug/L						
Arochlor 1260	<0.20	0.20	ug/L						

Surrogate: Tetrachloro-m-xylene 0.490 ug/L 0.600 81.6 50-116
Surrogate: Decachlorobiphenyl 0.394 ug/L 0.600 65.7 38-122

LCS (11D0953-BS1)				Prepared: 04/17/25 14:37 Analyzed: 04/21/25 15:14					
Arochlor 1016	2.553	0.20	ug/L	2.60		98.2	54-124		
Arochlor 1260	2.810	0.20	ug/L	2.60		108	66-138		
Surrogate: Tetrachloro-m-xylene 0.559 ug/L 0.600 93.2 50-116									
Surrogate: Decachlorobiphenyl 0.561 ug/L 0.600 93.5 38-122									
LCS Dup (11D0953-BSD1)				Prepared: 04/17/25 14:37 Analyzed: 04/21/25 15:29					
Arochlor 1016	2.562	0.20	ug/L	2.60		98.6	54-124	0.371	20
Arochlor 1260	2.797	0.20	ug/L	2.60		108	66-138	0.450	24
Surrogate: Tetrachloro-m-xylene 0.533 ug/L 0.600 88.9 50-116									
Surrogate: Decachlorobiphenyl 0.495 ug/L 0.600 82.5 38-122									

Reference (11D0953-SRM1)				Prepared: 04/17/25 14:37 Analyzed: 04/21/25 16:15					
Arochlor 1016	2.733	0.20	ug/L	2.60		105	80-120		
Arochlor 1260	2.839	0.20	ug/L	2.60		109	80-120		
Surrogate: Tetrachloro-m-xylene 0.630 ug/L 0.600 105 50-116									
Surrogate: Decachlorobiphenyl 0.630 ug/L 0.600 105 38-122									



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Determination of Polychlorinated Biphenyls (PCB)	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0962 - Wet Chem Preparation - EPA 376.2										
Blank (1ID0962-BLK1)				Prepared: 04/17/25 15:24 Analyzed: 04/17/25 16:58						
Sulfide, total	<0.10	0.10	mg/L							
LCS (1ID0962-BS1)				Prepared: 04/17/25 15:24 Analyzed: 04/17/25 16:58						
Sulfide, total	0.163	0.10	mg/L	0.16		103	56-118			
Matrix Spike (1ID0962-MS1)				Source: 1ID1322-06 Prepared: 04/17/25 15:24 Analyzed: 04/17/25 16:58						
Sulfide, total	0.183	0.10	mg/L	0.16	ND	116	50-150			
Matrix Spike Dup (1ID0962-MSD1)				Source: 1ID1322-06 Prepared: 04/17/25 15:24 Analyzed: 04/17/25 16:58						
Sulfide, total	0.183	0.10	mg/L	0.16	ND	116	50-150	0.00	30	
Batch 1ID1080 - Wet Chem Preparation - EPA 9014										
Blank (1ID1080-BLK1)				Prepared: 04/21/25 12:41 Analyzed: 04/23/25 14:52						
Cyanide, total	<0.010	0.010	mg/L							
LCS (1ID1080-BS1)				Prepared: 04/21/25 12:41 Analyzed: 04/23/25 14:52						
Cyanide, total	0.0205	0.010	mg/L	0.0300		68.3	64-125			
Matrix Spike (1ID1080-MS1)				Source: 1ID1594-06 Prepared: 04/21/25 12:41 Analyzed: 04/23/25 14:52						
Cyanide, total	0.0501	0.010	mg/L	0.0600	ND	83.4	64-134			
Matrix Spike Dup (1ID1080-MSD1)				Source: 1ID1594-06 Prepared: 04/21/25 12:41 Analyzed: 04/23/25 14:52						
Cyanide, total	0.0255	0.010	mg/L	0.0300	ND	85.1	64-134	64.9	25	R1
Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1124 - EPA 7470A Hg Water - EPA 7470A										
Blank (1ID1124-BLK1)				Prepared: 04/22/25 06:40 Analyzed: 04/22/25 13:06						
Mercury, total	<0.00050	0.00050	mg/L							
LCS (1ID1124-BS1)				Prepared: 04/22/25 06:40 Analyzed: 04/22/25 13:09						
Mercury, total	0.00207	0.00050	mg/L	0.00250		82.9	80-120			
Matrix Spike (1ID1124-MS1)				Source: 1ID1193-01 Prepared: 04/22/25 06:40 Analyzed: 04/22/25 14:00						
Mercury, total	0.00259	0.00050	mg/L	0.00250	ND	104	75-125			
Matrix Spike Dup (1ID1124-MSD1)				Source: 1ID1193-01 Prepared: 04/22/25 06:40 Analyzed: 04/22/25 14:03						
Mercury, total	0.00287	0.00050	mg/L	0.00250	ND	115	75-125	10.0	20	
Batch 1IF0078 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1IF0078-BLK1)				Prepared: 06/02/25 16:30 Analyzed: 06/21/25 13:08						
Antimony, total	<0.0010	0.0010	mg/L							



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Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IF0078 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1IF0078-BLK1)			Prepared: 06/02/25 16:30 Analyzed: 06/21/25 13:08							
Arsenic, total	<0.0020	0.0020	mg/L							
Barium, total	<0.0010	0.0010	mg/L							
Beryllium, total	<0.0005	0.0005	mg/L							
Cadmium, total	<0.0002	0.0002	mg/L							
Chromium, total	<0.0010	0.0010	mg/L							B
Cobalt, total	<0.0005	0.0005	mg/L							
Copper, total	<0.0050	0.0050	mg/L							B
Lead, total	<0.0010	0.0010	mg/L							
Nickel, total	<0.0050	0.0050	mg/L							B
Selenium, total	<0.0020	0.0020	mg/L							
Silver, total	<0.0050	0.0050	mg/L							
Thallium, total	<0.0005	0.0005	mg/L							
Tin, total	<0.0050	0.0050	mg/L							
Vanadium, total	<0.0020	0.0020	mg/L							
Zinc, total	<0.0050	0.0050	mg/L							
LCS (1IF0078-BS1)			Prepared: 06/02/25 16:30 Analyzed: 06/21/25 13:16							
Antimony, total	0.104	0.0010	mg/L	0.100		104	80-120			
Arsenic, total	0.0986	0.0020	mg/L	0.100		98.6	80-120			
Barium, total	0.116	0.0010	mg/L	0.100		116	80-120			
Beryllium, total	0.106	0.0005	mg/L	0.100		106	80-120			
Cadmium, total	0.102	0.0002	mg/L	0.100		102	80-120			
Chromium, total	0.114	0.0010	mg/L	0.100		114	80-120			
Cobalt, total	0.111	0.0005	mg/L	0.100		111	80-120			
Copper, total	0.0864	0.0050	mg/L	0.100		86.4	80-120			
Lead, total	0.104	0.0010	mg/L	0.100		104	80-120			
Nickel, total	0.0892	0.0050	mg/L	0.100		89.2	80-120			
Selenium, total	0.0999	0.0020	mg/L	0.100		99.9	80-120			
Silver, total	0.106	0.0050	mg/L	0.100		106	80-120			
Thallium, total	0.107	0.0005	mg/L	0.100		107	80-120			
Tin, total	0.105	0.0050	mg/L	0.100		105	80-120			
Vanadium, total	0.117	0.0020	mg/L	0.100		117	80-120			
Zinc, total	0.0880	0.0050	mg/L	0.100		88.0	80-120			
Matrix Spike (1IF0078-MS1)			Source: 1ID1594-01		Prepared: 06/02/25 16:30 Analyzed: 06/21/25 13:21					
Antimony, total	0.111	0.0010	mg/L	0.100	ND	111	75-125			
Arsenic, total	0.0981	0.0020	mg/L	0.100	0.0015	96.6	75-125			
Barium, total	0.458	0.0010	mg/L	0.100	0.331	127	75-125			M1
Beryllium, total	0.116	0.0005	mg/L	0.100	ND	116	75-125			
Cadmium, total	0.105	0.0002	mg/L	0.100	0.0002	105	75-125			
Chromium, total	0.112	0.0010	mg/L	0.100	0.0014	111	75-125			
Cobalt, total	0.108	0.0005	mg/L	0.100	0.0020	106	75-125			
Copper, total	0.0850	0.0050	mg/L	0.100	0.0033	81.6	75-125			
Lead, total	0.106	0.0010	mg/L	0.100	0.0007	105	75-125			
Nickel, total	0.0891	0.0050	mg/L	0.100	0.0045	84.6	75-125			

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Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IF0078 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Matrix Spike (1IF0078-MS1) Source: 1ID1594-01 Prepared: 06/02/25 16:30 Analyzed: 06/21/25 13:21										
Selenium, total	0.0970	0.0020	mg/L	0.100	ND	97.0	75-125			
Silver, total	0.111	0.0050	mg/L	0.100	ND	111	75-125			
Thallium, total	0.111	0.0005	mg/L	0.100	0.00005	111	75-125			
Tin, total	0.110	0.0050	mg/L	0.100	ND	110	75-125			
Vanadium, total	0.124	0.0020	mg/L	0.100	0.0021	121	75-125			
Zinc, total	0.0902	0.0050	mg/L	0.100	0.0054	84.8	75-125			
Matrix Spike Dup (1IF0078-MSD1) Source: 1ID1594-01 Prepared: 06/02/25 16:30 Analyzed: 06/21/25 13:23										
Antimony, total	0.109	0.0010	mg/L	0.100	ND	109	75-125	1.76	20	
Arsenic, total	0.0950	0.0020	mg/L	0.100	0.0015	93.5	75-125	3.27	20	
Barium, total	0.452	0.0010	mg/L	0.100	0.331	121	75-125	1.28	20	
Beryllium, total	0.115	0.0005	mg/L	0.100	ND	115	75-125	1.22	20	
Cadmium, total	0.103	0.0002	mg/L	0.100	0.0002	103	75-125	2.22	20	
Chromium, total	0.112	0.0010	mg/L	0.100	0.0014	111	75-125	0.118	20	
Cobalt, total	0.109	0.0005	mg/L	0.100	0.0020	107	75-125	0.385	20	
Copper, total	0.0838	0.0050	mg/L	0.100	0.0033	80.4	75-125	1.39	20	
Lead, total	0.103	0.0010	mg/L	0.100	0.0007	102	75-125	2.35	20	
Nickel, total	0.0881	0.0050	mg/L	0.100	0.0045	83.6	75-125	1.13	20	
Selenium, total	0.0939	0.0020	mg/L	0.100	ND	93.9	75-125	3.28	20	
Silver, total	0.109	0.0050	mg/L	0.100	ND	109	75-125	1.85	20	
Thallium, total	0.108	0.0005	mg/L	0.100	0.00005	108	75-125	3.19	20	
Tin, total	0.107	0.0050	mg/L	0.100	ND	107	75-125	2.27	20	
Vanadium, total	0.119	0.0020	mg/L	0.100	0.0021	117	75-125	3.77	20	
Zinc, total	0.0895	0.0050	mg/L	0.100	0.0054	84.1	75-125	0.807	20	
Post Spike (1IF0078-PS1) Source: 1ID1594-01 Prepared: 06/02/25 16:30 Analyzed: 06/21/25 13:25										
Antimony, total	0.0192		mg/L	0.0200	0.0003	94.8	80-120			
Arsenic, total	0.0195		mg/L	0.0200	0.0015	89.8	80-120			
Barium, total	0.346		mg/L	0.0200	0.324	108	80-120			
Beryllium, total	0.0221		mg/L	0.0200	0.00004	110	80-120			
Cadmium, total	0.0194		mg/L	0.0200	0.0002	96.3	80-120			
Chromium, total	0.0212		mg/L	0.0200	0.0014	98.8	80-120			
Cobalt, total	0.0210		mg/L	0.0200	0.0020	95.2	80-120			
Copper, total	0.0186		mg/L	0.0200	0.0033	76.4	80-120			M2
Lead, total	0.0195		mg/L	0.0200	0.0007	94.0	80-120			
Nickel, total	0.0201		mg/L	0.0200	0.0044	78.5	80-120			M2
Selenium, total	0.0179		mg/L	0.0200	0.0002	88.3	80-120			
Silver, total	0.0195		mg/L	0.0200	0.00003	97.4	80-120			
Thallium, total	0.0191		mg/L	0.0200	0.00005	95.4	80-120			
Tin, total	0.0189		mg/L	0.0200	0.0002	93.8	75-125			
Vanadium, total	0.0286		mg/L	0.0200	0.0020	133	80-120			M1
Zinc, total	0.0210		mg/L	0.0200	0.0053	78.3	80-120			M2
Batch 1IF0079 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1IF0079-BLK1) Prepared: 06/02/25 16:34 Analyzed: 06/21/25 14:26										

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1ID1594

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IF0079 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1IF0079-BLK1)				Prepared: 06/02/25 16:34 Analyzed: 06/21/25 14:26						
Antimony, total	<0.0010	0.0010	mg/L							
Arsenic, total	<0.0020	0.0020	mg/L							
Barium, total	<0.0010	0.0010	mg/L							
Beryllium, total	<0.0005	0.0005	mg/L							
Cadmium, total	<0.0002	0.0002	mg/L							
Chromium, total	<0.0010	0.0010	mg/L							
Cobalt, total	<0.0005	0.0005	mg/L							
Copper, total	<0.0050	0.0050	mg/L							
Lead, total	<0.0010	0.0010	mg/L							
Nickel, total	<0.0050	0.0050	mg/L							
Selenium, total	<0.0020	0.0020	mg/L							
Silver, total	<0.0050	0.0050	mg/L							
Thallium, total	<0.0005	0.0005	mg/L							
Vanadium, total	<0.0020	0.0020	mg/L							
Zinc, total	<0.0050	0.0050	mg/L							
LCS (1IF0079-BS1)				Prepared: 06/02/25 16:34 Analyzed: 06/21/25 14:28						
Antimony, total	0.103	0.0010	mg/L	0.100		103	80-120			
Arsenic, total	0.0970	0.0020	mg/L	0.100		97.0	80-120			
Barium, total	0.115	0.0010	mg/L	0.100		115	80-120			
Beryllium, total	0.108	0.0005	mg/L	0.100		108	80-120			
Cadmium, total	0.102	0.0002	mg/L	0.100		102	80-120			
Chromium, total	0.112	0.0010	mg/L	0.100		112	80-120			
Cobalt, total	0.109	0.0005	mg/L	0.100		109	80-120			
Copper, total	0.0888	0.0050	mg/L	0.100		88.8	80-120			
Lead, total	0.103	0.0010	mg/L	0.100		103	80-120			
Nickel, total	0.0909	0.0050	mg/L	0.100		90.9	80-120			
Selenium, total	0.0987	0.0020	mg/L	0.100		98.7	80-120			
Silver, total	0.109	0.0050	mg/L	0.100		109	80-120			
Thallium, total	0.106	0.0005	mg/L	0.100		106	80-120			
Vanadium, total	0.116	0.0020	mg/L	0.100		116	80-120			
Zinc, total	0.0905	0.0050	mg/L	0.100		90.5	80-120			
Matrix Spike (1IF0079-MS1)				Source: 1ID1594-22 Prepared: 06/02/25 16:34 Analyzed: 06/21/25 14:33						
Antimony, total	0.107	0.0010	mg/L	0.100	ND	107	75-125			
Arsenic, total	0.0949	0.0020	mg/L	0.100	0.0030	91.9	75-125			
Barium, total	0.840	0.0010	mg/L	0.100	0.718	122	75-125			
Beryllium, total	0.112	0.0005	mg/L	0.100	ND	112	75-125			
Cadmium, total	0.104	0.0002	mg/L	0.100	0.0014	102	75-125			
Chromium, total	0.109	0.0010	mg/L	0.100	0.0013	108	75-125			
Cobalt, total	0.104	0.0005	mg/L	0.100	0.0014	103	75-125			
Copper, total	0.0864	0.0050	mg/L	0.100	0.0060	80.4	75-125			
Lead, total	0.102	0.0010	mg/L	0.100	0.0003	101	75-125			
Nickel, total	0.172	0.0050	mg/L	0.100	0.0905	81.4	75-125			
Selenium, total	0.0937	0.0020	mg/L	0.100	ND	93.7	75-125			

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CERTIFICATE OF ANALYSIS

1ID1594

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IF0079 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Matrix Spike (1IF0079-MS1) Source: 1ID1594-22 Prepared: 06/02/25 16:34 Analyzed: 06/21/25 14:33										
Silver, total	0.105	0.0050	mg/L	0.100	ND	105	75-125			
Thallium, total	0.109	0.0005	mg/L	0.100	0.0001	109	75-125			
Vanadium, total	0.116	0.0020	mg/L	0.100	0.0023	114	75-125			
Zinc, total	0.0894	0.0050	mg/L	0.100	0.0048	84.6	75-125			
Matrix Spike Dup (1IF0079-MSD1) Source: 1ID1594-22 Prepared: 06/02/25 16:34 Analyzed: 06/21/25 14:35										
Antimony, total	0.114	0.0010	mg/L	0.100	ND	114	75-125	5.54	20	
Arsenic, total	0.101	0.0020	mg/L	0.100	0.0030	98.4	75-125	6.62	20	
Barium, total	0.891	0.0010	mg/L	0.100	0.718	173	75-125	5.90	20	M1
Beryllium, total	0.120	0.0005	mg/L	0.100	ND	120	75-125	6.86	20	
Cadmium, total	0.109	0.0002	mg/L	0.100	0.0014	108	75-125	5.60	20	
Chromium, total	0.116	0.0010	mg/L	0.100	0.0013	115	75-125	6.32	20	
Cobalt, total	0.109	0.0005	mg/L	0.100	0.0014	107	75-125	4.21	20	
Copper, total	0.0911	0.0050	mg/L	0.100	0.0060	85.1	75-125	5.31	20	
Lead, total	0.108	0.0010	mg/L	0.100	0.0003	107	75-125	5.62	20	
Nickel, total	0.181	0.0050	mg/L	0.100	0.0905	90.5	75-125	5.13	20	
Selenium, total	0.0991	0.0020	mg/L	0.100	ND	99.1	75-125	5.64	20	
Silver, total	0.113	0.0050	mg/L	0.100	ND	113	75-125	7.49	20	
Thallium, total	0.113	0.0005	mg/L	0.100	0.0001	113	75-125	3.80	20	
Vanadium, total	0.126	0.0020	mg/L	0.100	0.0023	124	75-125	8.02	20	
Zinc, total	0.0936	0.0050	mg/L	0.100	0.0048	88.8	75-125	4.60	20	
Post Spike (1IF0079-PS1) Source: 1ID1594-22 Prepared: 06/02/25 16:34 Analyzed: 06/21/25 14:38										
Antimony, total	0.0203		mg/L	0.0200	0.0002	100	80-120			
Arsenic, total	0.0214		mg/L	0.0200	0.0029	92.3	80-120			
Barium, total	0.732		mg/L	0.0200	0.703	145	80-120			M1
Beryllium, total	0.0230		mg/L	0.0200	0.00004	115	80-120			
Cadmium, total	0.0216		mg/L	0.0200	0.0013	101	80-120			
Chromium, total	0.0218		mg/L	0.0200	0.0013	102	80-120			
Cobalt, total	0.0213		mg/L	0.0200	0.0014	99.5	80-120			
Copper, total	0.0222		mg/L	0.0200	0.0059	81.4	80-120			
Lead, total	0.0200		mg/L	0.0200	0.0003	98.5	80-120			
Nickel, total	0.103		mg/L	0.0200	0.0887	73.4	80-120			M2
Selenium, total	0.0187		mg/L	0.0200	0.0003	92.1	80-120			
Silver, total	0.0206		mg/L	0.0200	0.00006	103	80-120			
Thallium, total	0.0202		mg/L	0.0200	0.00009	101	80-120			
Vanadium, total	0.0237		mg/L	0.0200	0.0022	107	80-120			
Zinc, total	0.0216		mg/L	0.0200	0.0047	84.4	80-120			
Batch 1IF1340 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1IF1340-BLK1) Prepared: 06/25/25 09:33 Analyzed: 06/25/25 22:34										
Arsenic, total	<0.0020	0.0020	mg/L							
Barium, total	<0.0010	0.0010	mg/L							
Selenium, total	<0.0020	0.0020	mg/L							
Zinc, total	<0.0050	0.0050	mg/L							B

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11D1594

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11F1340 - EPA 3005A Total Recoverable Metals - EPA 6020A										
LCS (11F1340-BS1)				Prepared: 06/25/25 09:33 Analyzed: 06/25/25 22:42						
Arsenic, total	0.0930	0.0020	mg/L	0.100		93.0	80-120			
Barium, total	0.112	0.0010	mg/L	0.100		112	80-120			
Selenium, total	0.0956	0.0020	mg/L	0.100		95.6	80-120			
Zinc, total	0.0961	0.0050	mg/L	0.100		96.1	80-120			
Matrix Spike (11F1340-MS1)				Source: 11D0938-06RE1 Prepared: 06/25/25 09:33 Analyzed: 06/25/25 22:49						
Arsenic, total	0.0925	0.0020	mg/L	0.100	0.0009	91.6	75-125			
Barium, total	0.342	0.0010	mg/L	0.100	0.206	136	75-125			M1
Selenium, total	0.0971	0.0020	mg/L	0.100	0.0033	93.9	75-125			
Zinc, total	0.0950	0.0050	mg/L	0.100	0.0059	89.0	75-125			
Matrix Spike Dup (11F1340-MSD1)				Source: 11D0938-06RE1 Prepared: 06/25/25 09:33 Analyzed: 06/25/25 22:52						
Arsenic, total	0.0952	0.0020	mg/L	0.100	0.0009	94.3	75-125	2.89	20	
Barium, total	0.365	0.0010	mg/L	0.100	0.206	159	75-125	6.50	20	M1
Selenium, total	0.1008	0.0020	mg/L	0.100	0.0033	97.5	75-125	3.68	20	
Zinc, total	0.0963	0.0050	mg/L	0.100	0.0059	90.4	75-125	1.41	20	
Post Spike (11F1340-PS1)				Source: 11D0938-06RE1 Prepared: 06/25/25 09:33 Analyzed: 06/25/25 22:54						
Arsenic, total	0.0188		mg/L	0.0200	0.0009	90.0	80-120			
Barium, total	0.235		mg/L	0.0200	0.206	146	80-120			M1
Selenium, total	0.0213		mg/L	0.0200	0.0033	90.0	80-120			
Zinc, total	0.0230		mg/L	0.0200	0.0059	85.5	80-120			

Definitions

B:	The target analyte was detected in the blank at or above the method acceptance criteria.
H2:	Initial analysis was within holding time. Reanalysis was done past holding time.
M1:	Matrix spike recovery is above acceptance limits.
M2:	Matrix spike recovery is below acceptance limits.
Q3:	LCS recovery is below acceptance limits. The reported value is estimated.
Q8:	CCV recovery is below acceptance limits. The reported value is estimated.
R1:	Duplicate RPD is outside acceptance criteria.
RL:	Reporting Limit
RPD:	Relative Percent Difference
S1:	Surrogate recovery is above acceptance limits.
S2:	Surrogate recovery is below acceptance limits.

Cooler Receipt Log

Cooler ID:	Default Cooler	Temp:	0.0°C	Cooler ID:	New Cooler	Temp:	1.9°C

Cooler Inspection Checklist

Custody Seals	No	Containers Intact	Yes
COC/Labels Agree	Yes	Preservation Confirmed	No
Received On Ice	Yes		



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CERTIFICATE OF ANALYSIS

1ID1594

Report Comments

*The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. **The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>**.*

Reviewed and Approved By:

A handwritten signature in black ink that reads "Heather Tisdale".

Heather Tisdale
Customer Relationship Specialist
06/27/25 16:40



600 East
Newton, IA
641-792-8



1 I D 1 5 9 4

HLW Engineering

PM: Heather Murphy

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SITE INFORMATION

Sampler: JGH

Project: RIWMA Sanitary Lndfl - New Regs
6006

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

Harm Jass
Rural Iowa Waste Mgt. Association
20488 M Avenue
Eldora, IA 50627

SPECIAL INSTRUCTIONS

None

Turn Around Time

☒ Standard ☐ RUSH, need by ___/___/___

LAB USE ONLY

Work Order ITB1594

Temperature 0.0/1.9

Turn-Cooler: No

☐ Custody Seal
☒ Containers Intact
☒ COC/Labels Agree
☐ Preservation Confirmed
☒ Received on Ice

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	Number of Containers	Analyses		Lab Sample Number
-001	MW-36 (B)	Aqueous	GRAB	<u>4/15/25</u>	<u>9:46</u>	<u>7</u>	Indfil-app1-voc-group	Indfil-app1-metals-6020	<u>01</u>
-001	MW-37 (B)	Aqueous	GRAB	<u>4/15/25</u>	<u>9:59</u>	<u>7</u>	Indfil-app1-voc-group	Indfil-app1-metals-6020	<u>02</u>
-001	MW-39 (B)	Aqueous	GRAB	<u>4/15/25</u>	<u>9:25</u>	<u>7</u>	Indfil-app1-voc-group	Indfil-app1-metals-6020	<u>03</u>
-001	MW-40 (B)	Aqueous	GRAB	<u>4/15/25</u>	<u>10:18</u>	<u>7</u>	Indfil-app1-voc-group	Indfil-app1-metals-6020	<u>04</u>
-001	MW-47 (B)	Aqueous	GRAB	<u>4/15/25</u>	<u>10:49</u> ~~11:28~~	<u>7</u>	Indfil-app1-voc-group	Indfil-app1-metals-6020	<u>05</u>
-001	MW-48A	Aqueous	GRAB	<u>4/15/25</u>	<u>13:52</u>	<u>17</u>	Indfil-app2-inorg-6020	Indfil-app2-org	<u>06</u>
-001	MW-49A	Aqueous	GRAB	<u>4/15/25</u>	<u>14:18</u>	<u>17</u>	Indfil-app2-inorg-6020	Indfil-app2-org	<u>07</u>

JCO 4/16/25
Relinquished By Date/Time

Relinquished By Date/Time

Received By Date/Time

Received for Lab By Date/Time

Original - Lab Copy Yellow - Sampler Copy

Remarks:



CHAIN
600 East 17th St
Newton, IA 50201
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HLW Engineering
PM: Heather Murphy

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SITE INFORMATION

Sampler: LeH

Project: RIWMA Sanitary Lndfl - New Regs
6006

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

Harm Jass
Rural Iowa Waste Mgt. Association
20488 M Avenue
Eldora, IA 50627

SPECIAL INSTRUCTIONS

None

Turn Around Time

☒ Standard ☐ RUSH, need by ___/___/___

LAB USE ONLY

Work Order 1ID1594

Temperature 0.0/1.9

Turn-Cooler: No

☐ Custody Seal
☒ Containers Intact
☒ COC/Labels Agree
☒ Preservation Confirmed
☒ Received on Ice

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	Number of Containers	Analyses	Lab Sample Number
-001	MW-50	Aqueous	GRAB	<u>4/15/25</u>	<u>11:16</u>	<u>7</u>	Indfill-appl-voc-group Indfill-appl-metals-6020	<u>08</u>
-001	MW-51	Aqueous	GRAB	<u>4/15/25</u>	<u>11:34</u>	<u>7</u>	Indfill-appl-voc-group Indfill-appl-metals-6020	<u>09</u>
-001	MW-7	Aqueous	GRAB	<u>4/15/25</u>	<u>12:30</u>	<u>7</u>	Indfill-appl-voc-group Indfill-appl-metals-6020	<u>10</u>
-001	MW-9	Aqueous	GRAB	<u>4/15/25</u>	<u>12:50</u>	<u>7</u>	Indfill-appl-voc-group Indfill-appl-metals-6020	<u>11</u>
-001	MW-13R	Aqueous	GRAB	<u>4/15/25</u>	<u>14:40</u>	<u>7</u>	Indfill-appl-voc-group Indfill-appl-metals-6020	<u>12</u>
-001	MW-14	Aqueous	GRAB	<u>4/15/25</u>	<u>14:55</u>	<u>7</u>	Indfill-appl-voc-group Indfill-appl-metals-6020	<u>13</u>
-001	MW-29	Aqueous	GRAB	<u>4/15/25</u>	<u>15:40</u>	<u>7</u>	Indfill-appl-voc-group Indfill-appl-metals-6020	<u>14</u>

5/10/25 4/16/25
Relinquished By Date/Time

Relinquished By Date/Time

Received By Date/Time

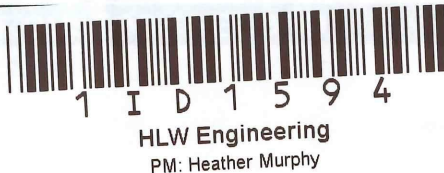
Received for Lab By Date/Time

Remarks:

Original - Lab Copy Yellow - Sampler Copy



CHAIN
600 East 17th Street
Newton, IA 50208
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SITE INFORMATION

Sampler: Jer H

Project: RIWMA Sanitary Landfill - New Regs
6006

SPECIAL INSTRUCTIONS

None

Turn Around Time

☒ Standard ☐ RUSH, need by ___/___/___

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

Harm Jass
Rural Iowa Waste Mgt. Association
20488 M Avenue
Eldora, IA 50627

LAB USE ONLY

Work Order 1ID1594

Temperature 0.0/1.9

Turn-Cooler: No

☒ Custody Seal
☒ Containers Intact
☒ COC/Labels Agree
☒ Preservation Confirmed
☒ Received on Ice

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	Number of Containers	Analyses		Lab Sample Number
-001	MW-31R	Aqueous	GRAB	<u>4/15/25</u>	<u>13:21</u>	<u>7</u>	Indfill-app1-voc-group	Indfill-app1-metals-6020	<u>15</u>
-001	MW-33	Aqueous	GRAB	<u>4/15/25</u>	<u>12:19</u>	<u>7</u>	Indfill-app1-voc-group	Indfill-app1-metals-6020	<u>16</u>
-001	MW-35R	Aqueous	GRAB	<u>4/15/25</u>	<u>15:25</u>	<u>7</u>	Indfill-app1-voc-group	Indfill-app1-metals-6020	<u>17</u>
-001	MW-211	Aqueous	GRAB	<u>4/15/25</u>	<u>13:07</u>	<u>7</u>	Indfill-app1-voc-group	Indfill-app1-metals-6020	<u>18</u>
-001	GU-1	Aqueous	GRAB	<u>1/1</u>			Indfill-app1-voc-group	Indfill-app1-metals-6020	
-001	GU-2	Aqueous	GRAB	<u>1/1</u>			Indfill-app1-voc-group	Indfill-app1-metals-6020	
-001	GU-3	Aqueous	GRAB	<u>4/15/25</u>	<u>11:04</u>	<u>7</u>	Indfill-app1-voc-group	Indfill-app1-metals-6020	<u>EE-EDF</u> <u>1819</u>

S. COyle 4/16/25
Relinquished By Date/Time

Received By Date/Time

Relinquished By Date/Time

S. COyle 4/16/25 9:50
Received for Lab By Date/Time

Original - Lab Copy Yellow - Sampler Copy

Remarks:



600 East 17th St
Newton, IA 5020
641-792-8451

HLW Engineering
PM: Heather Murphy



1 I D 1 5 9 4

Page 4 of
Printed: 3/24/2025 10:14:08A

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SITE INFORMATION

Sampler: LG14

Project: RIVMA Sanitary Lindt - New Regs
6006

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

Harm Jass
Rural Iowa Waste Mgt. Association
20488 M Avenue
Eldora, IA 50627

SPECIAL INSTRUCTIONS

None

Turn Around Time ☒ Standard ☐ RUSH, need by / /

LAB USE ONLY

Work Order 1594

Temperature 0.0/1.9

Turn-Cooler: No

☒ Custody Seal
☒ Containers Intact
☒ COC/Labels Agree
☒ Preservation Confirmed
☒ Received on Ice

Number Sample Identification / Client ID

Matrix

Sample Type

Date

Time

Number of Containers

Analyses

Lab Sample Number

-001	Tile ACM-1	Aqueous	GRAB	4/15/25	15:09	7	Indfill-app1-voc-group	Indfill-app1-metals-6020	EE' 19 20
-001	PECS-1	Aqueous	GRAB	4/15/25	12:06	6	Indfill-app1-voc-group		EE' 20 21
-001	MW-7A North	Aqueous	GRAB	4/15/25	11:52	1	as-t-6020		EE' 21 22
-001	MW-7B Northwest	Aqueous	GRAB	4/15/25	11:56	1	as-t-6020		EE' 22 23
-001	Field Duplicate	Aqueous	GRAB	4/15/25	11:07	7	Indfill-app1-voc-group	Indfill-app1-metals-6020	EE' 23 24

Relinquished By TLG/LS Date/Time 4/16/25

Relinquished By Heather Date/Time 4/16/25 9:50

Received By Date/Time

Received for Lab By Date/Time

Remarks:



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IJ1698

Project Description

6006

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Monday, October 27, 2025

Please find enclosed the analytical results for the samples you submitted to Microbac Laboratories. Review and compilation of your report was completed by Microbac Laboratories, Inc., Newton. If you have any questions, comments, or require further assistance regarding this report, please contact your service representative listed above.

I certify that all test results meet all of the requirements of the accrediting authority listed within this report. Analytical results are reported on a 'as received' basis unless specified otherwise. Analytical results for solids with units ending in (dry) are reported on a dry weight basis. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of Microbac Laboratories. The reported results are related only to the samples analyzed as received.

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CERTIFICATE OF ANALYSIS

1IJ1698

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: 6006

Project / PO Number: N/A
Received: 10/17/2025
Reported: 10/27/2025

Sample Summary Report

<u>Sample Name</u>	<u>Laboratory ID</u>	<u>Client Matrix</u>	<u>Sample Type</u>	<u>Sample Begin</u>	<u>Sample Taken</u>	<u>Lab Received</u>
MW-36 (B)	1IJ1698-01	Aqueous	GRAB		10/16/25 14:17	10/17/25 11:00
MW-37 (B)	1IJ1698-02	Aqueous	GRAB		10/16/25 14:26	10/17/25 11:00
MW-39 (B)	1IJ1698-03	Aqueous	GRAB		10/16/25 14:40	10/17/25 11:00
MW-40 (B)	1IJ1698-04	Aqueous	GRAB		10/16/25 13:55	10/17/25 11:00
MW-47 (B)	1IJ1698-05	Aqueous	GRAB		10/16/25 12:24	10/17/25 11:00
MW-48A	1IJ1698-06	Aqueous	GRAB		10/16/25 12:08	10/17/25 11:00
MW-49A	1IJ1698-07	Aqueous	GRAB		10/16/25 11:35	10/17/25 11:00
MW-50	1IJ1698-08	Aqueous	GRAB		10/16/25 12:45	10/17/25 11:00
MW-51	1IJ1698-09	Aqueous	GRAB		10/16/25 11:50	10/17/25 11:00
MW-7	1IJ1698-10	Aqueous	GRAB		10/16/25 10:15	10/17/25 11:00
MW-9	1IJ1698-11	Aqueous	GRAB		10/16/25 11:06	10/17/25 11:00
MW-13R	1IJ1698-12	Aqueous	GRAB		10/16/25 14:56	10/17/25 11:00
MW-14	1IJ1698-13	Aqueous	GRAB		10/16/25 15:23	10/17/25 11:00
MW-29	1IJ1698-14	Aqueous	GRAB		10/16/25 08:17	10/17/25 11:00
MW-33	1IJ1698-15	Aqueous	GRAB		10/16/25 10:52	10/17/25 11:00
MW-35R	1IJ1698-16	Aqueous	GRAB		10/16/25 08:35	10/17/25 11:00
GU-3	1IJ1698-17	Aqueous	GRAB		10/16/25 12:35	10/17/25 11:00
Tile ACM-1	1IJ1698-18	Aqueous	GRAB		10/16/25 08:02	10/17/25 11:00
MW-7A North	1IJ1698-19	Aqueous	GRAB		10/16/25 10:37	10/17/25 11:00
MW-7B Northwest	1IJ1698-20	Aqueous	GRAB		10/16/25 10:30	10/17/25 11:00
Field Duplicate	1IJ1698-21	Aqueous	GRAB		10/16/25 00:00	10/17/25 11:00



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IJ1698

Analytical Testing Parameters

Client Sample ID: MW-36 (B)
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-01

Collected By: Whipple, Todd
Collection Date: 10/16/2025 14:17

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Bromomethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Chloroethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Acetone	<10.0	10.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Chloroform	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Benzene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Dibromomethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Toluene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Xylenes, total	<2.0	2.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Styrene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-36 (B)
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-01

Collected By: Whipple, Todd
Collection Date: 10/16/2025 14:17

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Bromoform	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/20/25 0000	10/20/25 1820	RAF
Surrogate: Dibromofluoromethane	99.4	Limit: 75-136	% Rec		10/20/25 0000	10/20/25 1820	RAF
Surrogate: Dibromofluoromethane	99.4	Limit: 57-128	% Rec		10/20/25 0000	10/20/25 1820	RAF
Surrogate: 1,2-Dichloroethane-d4	120	Limit: 49-135	% Rec		10/20/25 0000	10/20/25 1820	RAF
Surrogate: 1,2-Dichloroethane-d4	120	Limit: 61-142	% Rec		10/20/25 0000	10/20/25 1820	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		10/20/25 0000	10/20/25 1820	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/20/25 0000	10/20/25 1820	RAF
Surrogate: 4-Bromofluorobenzene	102	Limit: 77-114	% Rec		10/20/25 0000	10/20/25 1820	RAF
Surrogate: 4-Bromofluorobenzene	102	Limit: 80-116	% Rec		10/20/25 0000	10/20/25 1820	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1706	RVV
Arsenic	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1706	RVV
Barium	0.299	0.0010	mg/L		10/20/25 1629	10/21/25 1706	RVV
Beryllium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1706	RVV
Cadmium	<0.0002	0.0002	mg/L		10/20/25 1629	10/21/25 1706	RVV
Chromium	0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1706	RVV
Cobalt	0.0014	0.0005	mg/L		10/20/25 1629	10/21/25 1706	RVV
Copper	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1706	RVV
Lead	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1706	RVV
Nickel	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1706	RVV
Selenium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1706	RVV
Silver	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1706	RVV
Thallium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1706	RVV
Vanadium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1706	RVV
Zinc	0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1706	RVV

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-37 (B)
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-02

Collected By: Whipple, Todd
Collection Date: 10/16/2025 14:26

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Bromomethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Chloroethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Acetone	<10.0	10.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Chloroform	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Benzene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Dibromomethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Toluene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Xylenes, total	<2.0	2.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Styrene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Bromoform	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-37 (B)
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-02

Collected By: Whipple, Todd
Collection Date: 10/16/2025 14:26

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/20/25 0000	10/20/25 1842	RAF
Surrogate: Dibromofluoromethane	101	Limit: 75-136	% Rec		10/20/25 0000	10/20/25 1842	RAF
Surrogate: Dibromofluoromethane	101	Limit: 57-128	% Rec		10/20/25 0000	10/20/25 1842	RAF
Surrogate: 1,2-Dichloroethane-d4	119	Limit: 61-142	% Rec		10/20/25 0000	10/20/25 1842	RAF
Surrogate: 1,2-Dichloroethane-d4	119	Limit: 49-135	% Rec		10/20/25 0000	10/20/25 1842	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/20/25 0000	10/20/25 1842	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		10/20/25 0000	10/20/25 1842	RAF
Surrogate: 4-Bromofluorobenzene	101	Limit: 80-116	% Rec		10/20/25 0000	10/20/25 1842	RAF
Surrogate: 4-Bromofluorobenzene	101	Limit: 77-114	% Rec		10/20/25 0000	10/20/25 1842	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1716	RVV
Arsenic	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1716	RVV
Barium	0.0506	0.0010	mg/L		10/20/25 1629	10/21/25 1716	RVV
Beryllium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1716	RVV
Cadmium	<0.0002	0.0002	mg/L		10/20/25 1629	10/21/25 1716	RVV
Chromium	0.0011	0.0010	mg/L		10/20/25 1629	10/21/25 1716	RVV
Cobalt	0.0007	0.0005	mg/L		10/20/25 1629	10/21/25 1716	RVV
Copper	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1716	RVV
Lead	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1716	RVV
Nickel	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1716	RVV
Selenium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1716	RVV
Silver	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1716	RVV
Thallium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1716	RVV
Vanadium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1716	RVV
Zinc	0.0079	0.0050	mg/L		10/20/25 1629	10/21/25 1716	RVV

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-39 (B)
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-03

Collected By: Whipple, Todd
Collection Date: 10/16/2025 14:40

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Bromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Chloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Acetone	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Chloroform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Benzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Dibromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Toluene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Xylenes, total	<2.0	2.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Styrene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Bromoform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-39 (B)
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-03

Collected By: Whipple, Todd
Collection Date: 10/16/2025 14:40

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1240	RAF
Surrogate: Dibromofluoromethane	96.7	Limit: 57-128	% Rec		10/21/25 0000	10/21/25 1240	RAF
Surrogate: Dibromofluoromethane	96.7	Limit: 75-136	% Rec		10/21/25 0000	10/21/25 1240	RAF
Surrogate: 1,2-Dichloroethane-d4	118	Limit: 61-142	% Rec		10/21/25 0000	10/21/25 1240	RAF
Surrogate: 1,2-Dichloroethane-d4	118	Limit: 49-135	% Rec		10/21/25 0000	10/21/25 1240	RAF
Surrogate: Toluene-d8	104	Limit: 82-116	% Rec		10/21/25 0000	10/21/25 1240	RAF
Surrogate: Toluene-d8	104	Limit: 82-121	% Rec		10/21/25 0000	10/21/25 1240	RAF
Surrogate: 4-Bromofluorobenzene	100	Limit: 77-114	% Rec		10/21/25 0000	10/21/25 1240	RAF
Surrogate: 4-Bromofluorobenzene	100	Limit: 80-116	% Rec		10/21/25 0000	10/21/25 1240	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1718	RVV
Arsenic	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1718	RVV
Barium	0.275	0.0010	mg/L		10/20/25 1629	10/21/25 1718	RVV
Beryllium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1718	RVV
Cadmium	<0.0002	0.0002	mg/L		10/20/25 1629	10/21/25 1718	RVV
Chromium	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1718	RVV
Cobalt	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1718	RVV
Copper	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1718	RVV
Lead	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1718	RVV
Nickel	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1718	RVV
Selenium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1718	RVV
Silver	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1718	RVV
Thallium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1718	RVV
Vanadium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1718	RVV
Zinc	0.0124	0.0050	mg/L		10/20/25 1629	10/21/25 1718	RVV

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-40 (B)
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-04

Collected By: Whipple, Todd
Collection Date: 10/16/2025 13:55

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Bromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Chloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Acetone	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Chloroform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Benzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Dibromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Toluene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Xylenes, total	<2.0	2.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Styrene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Bromoform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-40 (B)
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-04

Collected By: Whipple, Todd
Collection Date: 10/16/2025 13:55

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1303	RAF
Surrogate: Dibromofluoromethane	98.8	Limit: 75-136	% Rec		10/21/25 0000	10/21/25 1303	RAF
Surrogate: Dibromofluoromethane	98.8	Limit: 57-128	% Rec		10/21/25 0000	10/21/25 1303	RAF
Surrogate: 1,2-Dichloroethane-d4	117	Limit: 61-142	% Rec		10/21/25 0000	10/21/25 1303	RAF
Surrogate: 1,2-Dichloroethane-d4	117	Limit: 49-135	% Rec		10/21/25 0000	10/21/25 1303	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/21/25 0000	10/21/25 1303	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		10/21/25 0000	10/21/25 1303	RAF
Surrogate: 4-Bromofluorobenzene	102	Limit: 80-116	% Rec		10/21/25 0000	10/21/25 1303	RAF
Surrogate: 4-Bromofluorobenzene	102	Limit: 77-114	% Rec		10/21/25 0000	10/21/25 1303	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1721	RVV
Arsenic	0.0028	0.0020	mg/L		10/20/25 1629	10/21/25 1721	RVV
Barium	0.0409	0.0010	mg/L		10/20/25 1629	10/21/25 1721	RVV
Beryllium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1721	RVV
Cadmium	<0.0002	0.0002	mg/L		10/20/25 1629	10/21/25 1721	RVV
Chromium	0.0012	0.0010	mg/L		10/20/25 1629	10/21/25 1721	RVV
Cobalt	0.0062	0.0005	mg/L		10/20/25 1629	10/21/25 1721	RVV
Copper	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1721	RVV
Lead	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1721	RVV
Nickel	0.0175	0.0050	mg/L		10/20/25 1629	10/21/25 1721	RVV
Selenium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1721	RVV
Silver	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1721	RVV
Thallium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1721	RVV
Vanadium	0.0029	0.0020	mg/L		10/20/25 1629	10/21/25 1721	RVV
Zinc	0.0170	0.0050	mg/L		10/20/25 1629	10/21/25 1721	RVV

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-47 (B)
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-05

Collected By: Whipple, Todd
Collection Date: 10/16/2025 12:24

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Bromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Chloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Acetone	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Chloroform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Benzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Dibromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Toluene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Xylenes, total	<2.0	2.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Styrene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Bromoform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-47 (B)
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-05

Collected By: Whipple, Todd
Collection Date: 10/16/2025 12:24

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1326	RAF
Surrogate: Dibromofluoromethane	96.2	Limit: 75-136	% Rec		10/21/25 0000	10/21/25 1326	RAF
Surrogate: Dibromofluoromethane	96.2	Limit: 57-128	% Rec		10/21/25 0000	10/21/25 1326	RAF
Surrogate: 1,2-Dichloroethane-d4	116	Limit: 61-142	% Rec		10/21/25 0000	10/21/25 1326	RAF
Surrogate: 1,2-Dichloroethane-d4	116	Limit: 49-135	% Rec		10/21/25 0000	10/21/25 1326	RAF
Surrogate: Toluene-d8	105	Limit: 82-121	% Rec		10/21/25 0000	10/21/25 1326	RAF
Surrogate: Toluene-d8	105	Limit: 82-116	% Rec		10/21/25 0000	10/21/25 1326	RAF
Surrogate: 4-Bromofluorobenzene	102	Limit: 80-116	% Rec		10/21/25 0000	10/21/25 1326	RAF
Surrogate: 4-Bromofluorobenzene	102	Limit: 77-114	% Rec		10/21/25 0000	10/21/25 1326	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1728	RVV
Arsenic	0.152	0.0020	mg/L		10/20/25 1629	10/21/25 1728	RVV
Barium	1.09	0.0010	mg/L		10/20/25 1629	10/21/25 1728	RVV
Beryllium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1728	RVV
Cadmium	<0.0002	0.0002	mg/L		10/20/25 1629	10/21/25 1728	RVV
Chromium	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1728	RVV
Cobalt	0.0020	0.0005	mg/L		10/20/25 1629	10/21/25 1728	RVV
Copper	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1728	RVV
Lead	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1728	RVV
Nickel	0.0056	0.0050	mg/L		10/20/25 1629	10/21/25 1728	RVV
Selenium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1728	RVV
Silver	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1728	RVV
Thallium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1728	RVV
Vanadium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1728	RVV
Zinc	0.0093	0.0050	mg/L		10/20/25 1629	10/21/25 1728	RVV

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-48A
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-06

Collected By: Whipple, Todd
Collection Date: 10/16/2025 12:08

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Bromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Chloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Acetone	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Chloroform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Benzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Dibromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Toluene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Xylenes, total	<2.0	2.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Styrene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Bromoform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-48A
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-06

Collected By: Whipple, Todd
Collection Date: 10/16/2025 12:08

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1349	RAF
Surrogate: Dibromofluoromethane	94.5	Limit: 75-136	% Rec		10/21/25 0000	10/21/25 1349	RAF
Surrogate: Dibromofluoromethane	94.5	Limit: 57-128	% Rec		10/21/25 0000	10/21/25 1349	RAF
Surrogate: 1,2-Dichloroethane-d4	115	Limit: 49-135	% Rec		10/21/25 0000	10/21/25 1349	RAF
Surrogate: 1,2-Dichloroethane-d4	115	Limit: 61-142	% Rec		10/21/25 0000	10/21/25 1349	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/21/25 0000	10/21/25 1349	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		10/21/25 0000	10/21/25 1349	RAF
Surrogate: 4-Bromofluorobenzene	102	Limit: 77-114	% Rec		10/21/25 0000	10/21/25 1349	RAF
Surrogate: 4-Bromofluorobenzene	102	Limit: 80-116	% Rec		10/21/25 0000	10/21/25 1349	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1731	RVV
Arsenic	0.0140	0.0020	mg/L		10/20/25 1629	10/21/25 1731	RVV
Barium	0.190	0.0010	mg/L		10/20/25 1629	10/21/25 1731	RVV
Beryllium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1731	RVV
Cadmium	<0.0002	0.0002	mg/L		10/20/25 1629	10/21/25 1731	RVV
Chromium	0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1731	RVV
Cobalt	0.0007	0.0005	mg/L		10/20/25 1629	10/21/25 1731	RVV
Copper	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1731	RVV
Lead	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1731	RVV
Nickel	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1731	RVV
Selenium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1731	RVV
Silver	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1731	RVV
Thallium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1731	RVV
Vanadium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1731	RVV
Zinc	0.0162	0.0050	mg/L		10/20/25 1629	10/21/25 1731	RVV

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-49A
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-07

Collected By: Whipple, Todd
Collection Date: 10/16/2025 11:35

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Vinyl Chloride	6.3	1.0	ug/L		10/22/25 0000	10/22/25 1817	RAF
Bromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Chloroethane	4.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Acetone	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Carbon Disulfide	1.7	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
cis-1,2-Dichloroethylene	4.5	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Chloroform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Benzene	5.4	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Dibromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Toluene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Xylenes, total	<2.0	2.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Styrene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Bromoform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-49A
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-07

Collected By: Whipple, Todd
Collection Date: 10/16/2025 11:35

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1411	RAF
Surrogate: Dibromofluoromethane	95.3	Limit: 57-128	% Rec		10/21/25 0000	10/21/25 1411	RAF
Surrogate: Dibromofluoromethane	95.3	Limit: 75-136	% Rec		10/21/25 0000	10/21/25 1411	RAF
Surrogate: Dibromofluoromethane	92.8	Limit: 75-136	% Rec		10/22/25 0000	10/22/25 1817	RAF
Surrogate: 1,2-Dichloroethane-d4	115	Limit: 61-142	% Rec		10/21/25 0000	10/21/25 1411	RAF
Surrogate: 1,2-Dichloroethane-d4	115	Limit: 49-135	% Rec		10/21/25 0000	10/21/25 1411	RAF
Surrogate: 1,2-Dichloroethane-d4	115	Limit: 61-142	% Rec		10/22/25 0000	10/22/25 1817	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		10/21/25 0000	10/21/25 1411	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/21/25 0000	10/21/25 1411	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec		10/22/25 0000	10/22/25 1817	RAF
Surrogate: 4-Bromofluorobenzene	102	Limit: 80-116	% Rec		10/21/25 0000	10/21/25 1411	RAF
Surrogate: 4-Bromofluorobenzene	102	Limit: 77-114	% Rec		10/21/25 0000	10/21/25 1411	RAF
Surrogate: 4-Bromofluorobenzene	103	Limit: 80-116	% Rec		10/22/25 0000	10/22/25 1817	RAF
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1733	RVV
Arsenic	0.0437	0.0020	mg/L		10/20/25 1629	10/21/25 1733	RVV
Barium	0.777	0.0010	mg/L		10/20/25 1629	10/21/25 1733	RVV
Beryllium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1733	RVV
Cadmium	<0.0002	0.0002	mg/L		10/20/25 1629	10/21/25 1733	RVV
Chromium	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1733	RVV
Cobalt	0.0148	0.0005	mg/L		10/20/25 1629	10/21/25 1733	RVV
Copper	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1733	RVV
Lead	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1733	RVV
Nickel	0.0457	0.0050	mg/L		10/20/25 1629	10/21/25 1733	RVV
Selenium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1733	RVV
Silver	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1733	RVV
Thallium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1733	RVV
Vanadium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1733	RVV
Zinc	0.0152	0.0050	mg/L		10/20/25 1629	10/21/25 1733	RVV

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-50
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-08

Collected By: Whipple, Todd
Collection Date: 10/16/2025 12:45

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Bromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Chloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Acetone	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Chloroform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Benzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Dibromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Toluene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Xylenes, total	<2.0	2.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Styrene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Bromoform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-50
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-08

Collected By: Whipple, Todd
Collection Date: 10/16/2025 12:45

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1434	RAF
Surrogate: Dibromofluoromethane	96.1	Limit: 57-128	% Rec		10/21/25 0000	10/21/25 1434	RAF
Surrogate: Dibromofluoromethane	96.1	Limit: 75-136	% Rec		10/21/25 0000	10/21/25 1434	RAF
Surrogate: 1,2-Dichloroethane-d4	115	Limit: 49-135	% Rec		10/21/25 0000	10/21/25 1434	RAF
Surrogate: 1,2-Dichloroethane-d4	115	Limit: 61-142	% Rec		10/21/25 0000	10/21/25 1434	RAF
Surrogate: Toluene-d8	105	Limit: 82-121	% Rec		10/21/25 0000	10/21/25 1434	RAF
Surrogate: Toluene-d8	105	Limit: 82-116	% Rec		10/21/25 0000	10/21/25 1434	RAF
Surrogate: 4-Bromofluorobenzene	100	Limit: 77-114	% Rec		10/21/25 0000	10/21/25 1434	RAF
Surrogate: 4-Bromofluorobenzene	100	Limit: 80-116	% Rec		10/21/25 0000	10/21/25 1434	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1736	RVV
Arsenic	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1736	RVV
Barium	0.378	0.0010	mg/L		10/20/25 1629	10/21/25 1736	RVV
Beryllium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1736	RVV
Cadmium	<0.0002	0.0002	mg/L		10/20/25 1629	10/21/25 1736	RVV
Chromium	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1736	RVV
Cobalt	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1736	RVV
Copper	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1736	RVV
Lead	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1736	RVV
Nickel	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1736	RVV
Selenium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1736	RVV
Silver	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1736	RVV
Thallium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1736	RVV
Vanadium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1736	RVV
Zinc	0.0090	0.0050	mg/L		10/20/25 1629	10/21/25 1736	RVV

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-51
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-09

Collected By: Whipple, Todd
Collection Date: 10/16/2025 11:50

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Bromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Chloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Acetone	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Chloroform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Benzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Dibromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Toluene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Xylenes, total	<2.0	2.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Styrene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Bromoform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-51
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-09

Collected By: Whipple, Todd
Collection Date: 10/16/2025 11:50

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1457	RAF
Surrogate: Dibromofluoromethane	98.5	Limit: 57-128	% Rec		10/21/25 0000	10/21/25 1457	RAF
Surrogate: Dibromofluoromethane	98.5	Limit: 75-136	% Rec		10/21/25 0000	10/21/25 1457	RAF
Surrogate: 1,2-Dichloroethane-d4	118	Limit: 61-142	% Rec		10/21/25 0000	10/21/25 1457	RAF
Surrogate: 1,2-Dichloroethane-d4	118	Limit: 49-135	% Rec		10/21/25 0000	10/21/25 1457	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		10/21/25 0000	10/21/25 1457	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/21/25 0000	10/21/25 1457	RAF
Surrogate: 4-Bromofluorobenzene	103	Limit: 77-114	% Rec		10/21/25 0000	10/21/25 1457	RAF
Surrogate: 4-Bromofluorobenzene	103	Limit: 80-116	% Rec		10/21/25 0000	10/21/25 1457	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1738	RVV
Arsenic	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1738	RVV
Barium	0.527	0.0010	mg/L		10/20/25 1629	10/21/25 1738	RVV
Beryllium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1738	RVV
Cadmium	<0.0002	0.0002	mg/L		10/20/25 1629	10/21/25 1738	RVV
Chromium	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1738	RVV
Cobalt	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1738	RVV
Copper	0.0084	0.0050	mg/L		10/20/25 1629	10/21/25 1738	RVV
Lead	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1738	RVV
Nickel	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1738	RVV
Selenium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1738	RVV
Silver	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1738	RVV
Thallium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1738	RVV
Vanadium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1738	RVV
Zinc	0.0074	0.0050	mg/L		10/20/25 1629	10/21/25 1738	RVV

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-7
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-10

Collected By: Whipple, Todd
Collection Date: 10/16/2025 10:15

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Bromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Chloroethane	4.3	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Acetone	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Carbon Disulfide	2.8	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Chloroform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Benzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Dibromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Toluene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Xylenes, total	<2.0	2.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Styrene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Bromoform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-7
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-10

Collected By: Whipple, Todd
Collection Date: 10/16/2025 10:15

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1520	RAF
Surrogate: Dibromofluoromethane	94.9	Limit: 75-136	% Rec		10/21/25 0000	10/21/25 1520	RAF
Surrogate: Dibromofluoromethane	94.9	Limit: 57-128	% Rec		10/21/25 0000	10/21/25 1520	RAF
Surrogate: 1,2-Dichloroethane-d4	115	Limit: 49-135	% Rec		10/21/25 0000	10/21/25 1520	RAF
Surrogate: 1,2-Dichloroethane-d4	115	Limit: 61-142	% Rec		10/21/25 0000	10/21/25 1520	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/21/25 0000	10/21/25 1520	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		10/21/25 0000	10/21/25 1520	RAF
Surrogate: 4-Bromofluorobenzene	100	Limit: 77-114	% Rec		10/21/25 0000	10/21/25 1520	RAF
Surrogate: 4-Bromofluorobenzene	100	Limit: 80-116	% Rec		10/21/25 0000	10/21/25 1520	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1741	RVV
Arsenic	0.212	0.0020	mg/L		10/20/25 1629	10/21/25 1741	RVV
Barium	0.403	0.0010	mg/L		10/20/25 1629	10/21/25 1741	RVV
Beryllium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1741	RVV
Cadmium	<0.0002	0.0002	mg/L		10/20/25 1629	10/21/25 1741	RVV
Chromium	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1741	RVV
Cobalt	0.0037	0.0005	mg/L		10/20/25 1629	10/21/25 1741	RVV
Copper	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1741	RVV
Lead	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1741	RVV
Nickel	0.0070	0.0050	mg/L		10/20/25 1629	10/21/25 1741	RVV
Selenium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1741	RVV
Silver	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1741	RVV
Thallium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1741	RVV
Vanadium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1741	RVV
Zinc	0.0186	0.0050	mg/L		10/20/25 1629	10/21/25 1741	RVV

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-9
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-11

Collected By: Whipple, Todd
Collection Date: 10/16/2025 11:06

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Bromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Chloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Acetone	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Chloroform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Benzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Dibromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Toluene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Xylenes, total	<2.0	2.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Styrene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Bromoform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-9
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-11

Collected By: Whipple, Todd
Collection Date: 10/16/2025 11:06

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1543	RAF
Surrogate: Dibromofluoromethane	95.8	Limit: 75-136	% Rec		10/21/25 0000	10/21/25 1543	RAF
Surrogate: Dibromofluoromethane	95.8	Limit: 57-128	% Rec		10/21/25 0000	10/21/25 1543	RAF
Surrogate: 1,2-Dichloroethane-d4	117	Limit: 61-142	% Rec		10/21/25 0000	10/21/25 1543	RAF
Surrogate: 1,2-Dichloroethane-d4	117	Limit: 49-135	% Rec		10/21/25 0000	10/21/25 1543	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/21/25 0000	10/21/25 1543	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		10/21/25 0000	10/21/25 1543	RAF
Surrogate: 4-Bromofluorobenzene	102	Limit: 80-116	% Rec		10/21/25 0000	10/21/25 1543	RAF
Surrogate: 4-Bromofluorobenzene	102	Limit: 77-114	% Rec		10/21/25 0000	10/21/25 1543	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1743	RVV
Arsenic	0.0057	0.0020	mg/L		10/20/25 1629	10/21/25 1743	RVV
Barium	0.221	0.0010	mg/L		10/20/25 1629	10/21/25 1743	RVV
Beryllium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1743	RVV
Cadmium	<0.0002	0.0002	mg/L		10/20/25 1629	10/21/25 1743	RVV
Chromium	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1743	RVV
Cobalt	0.0052	0.0005	mg/L		10/20/25 1629	10/21/25 1743	RVV
Copper	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1743	RVV
Lead	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1743	RVV
Nickel	0.0196	0.0050	mg/L		10/20/25 1629	10/21/25 1743	RVV
Selenium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1743	RVV
Silver	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1743	RVV
Thallium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1743	RVV
Vanadium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1743	RVV
Zinc	0.0051	0.0050	mg/L		10/20/25 1629	10/21/25 1743	RVV

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-13R
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-12

Collected By: Whipple, Todd
Collection Date: 10/16/2025 14:56

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Bromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Chloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Acetone	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Chloroform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Benzene	4.2	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Dibromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Toluene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Chlorobenzene	43.1	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Xylenes, total	<2.0	2.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Styrene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Bromoform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-13R
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-12

Collected By: Whipple, Todd
Collection Date: 10/16/2025 14:56

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
1,4-Dichlorobenzene	1.6	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1606	RAF
Surrogate: Dibromofluoromethane	96.3	Limit: 75-136	% Rec		10/21/25 0000	10/21/25 1606	RAF
Surrogate: Dibromofluoromethane	96.3	Limit: 57-128	% Rec		10/21/25 0000	10/21/25 1606	RAF
Surrogate: 1,2-Dichloroethane-d4	115	Limit: 49-135	% Rec		10/21/25 0000	10/21/25 1606	RAF
Surrogate: 1,2-Dichloroethane-d4	115	Limit: 61-142	% Rec		10/21/25 0000	10/21/25 1606	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		10/21/25 0000	10/21/25 1606	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/21/25 0000	10/21/25 1606	RAF
Surrogate: 4-Bromofluorobenzene	99.9	Limit: 77-114	% Rec		10/21/25 0000	10/21/25 1606	RAF
Surrogate: 4-Bromofluorobenzene	99.9	Limit: 80-116	% Rec		10/21/25 0000	10/21/25 1606	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1746	RVV
Arsenic	0.209	0.0020	mg/L		10/20/25 1629	10/21/25 1746	RVV
Barium	0.714	0.0010	mg/L		10/20/25 1629	10/21/25 1746	RVV
Beryllium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1746	RVV
Cadmium	<0.0002	0.0002	mg/L		10/20/25 1629	10/21/25 1746	RVV
Chromium	0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1746	RVV
Cobalt	0.0027	0.0005	mg/L		10/20/25 1629	10/21/25 1746	RVV
Copper	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1746	RVV
Lead	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1746	RVV
Nickel	0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1746	RVV
Selenium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1746	RVV
Silver	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1746	RVV
Thallium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1746	RVV
Vanadium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1746	RVV
Zinc	0.0060	0.0050	mg/L		10/20/25 1629	10/21/25 1746	RVV

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-14
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-13

Collected By: Whipple, Todd
Collection Date: 10/16/2025 15:23

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Bromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Chloroethane	1.6	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Acetone	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Chloroform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Benzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Dibromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Toluene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Xylenes, total	<2.0	2.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Styrene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Bromoform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-14
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-13

Collected By: Whipple, Todd
Collection Date: 10/16/2025 15:23

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
1,4-Dichlorobenzene	2.4	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1629	RAF
Surrogate: Dibromofluoromethane	96.7	Limit: 75-136	% Rec		10/21/25 0000	10/21/25 1629	RAF
Surrogate: Dibromofluoromethane	96.7	Limit: 57-128	% Rec		10/21/25 0000	10/21/25 1629	RAF
Surrogate: 1,2-Dichloroethane-d4	116	Limit: 49-135	% Rec		10/21/25 0000	10/21/25 1629	RAF
Surrogate: 1,2-Dichloroethane-d4	116	Limit: 61-142	% Rec		10/21/25 0000	10/21/25 1629	RAF
Surrogate: Toluene-d8	104	Limit: 82-116	% Rec		10/21/25 0000	10/21/25 1629	RAF
Surrogate: Toluene-d8	104	Limit: 82-121	% Rec		10/21/25 0000	10/21/25 1629	RAF
Surrogate: 4-Bromofluorobenzene	99.8	Limit: 77-114	% Rec		10/21/25 0000	10/21/25 1629	RAF
Surrogate: 4-Bromofluorobenzene	99.8	Limit: 80-116	% Rec		10/21/25 0000	10/21/25 1629	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1748	RVV
Arsenic	0.0739	0.0020	mg/L		10/20/25 1629	10/21/25 1748	RVV
Barium	0.650	0.0010	mg/L		10/20/25 1629	10/21/25 1748	RVV
Beryllium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1748	RVV
Cadmium	<0.0002	0.0002	mg/L		10/20/25 1629	10/21/25 1748	RVV
Chromium	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1748	RVV
Cobalt	0.0103	0.0005	mg/L		10/20/25 1629	10/21/25 1748	RVV
Copper	0.0079	0.0050	mg/L		10/20/25 1629	10/21/25 1748	RVV
Lead	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1748	RVV
Nickel	0.0144	0.0050	mg/L		10/20/25 1629	10/21/25 1748	RVV
Selenium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1748	RVV
Silver	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1748	RVV
Thallium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1748	RVV
Vanadium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1748	RVV
Zinc	0.0074	0.0050	mg/L		10/20/25 1629	10/21/25 1748	RVV

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-29
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-14

Collected By: Whipple, Todd
Collection Date: 10/16/2025 8:17

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Bromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Chloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Acetone	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Chloroform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Benzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Dibromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Toluene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Xylenes, total	<2.0	2.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Styrene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Bromoform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-29
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-14

Collected By: Whipple, Todd
Collection Date: 10/16/2025 8:17

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1652	RAF
Surrogate: Dibromofluoromethane	93.6	Limit: 75-136	% Rec		10/21/25 0000	10/21/25 1652	RAF
Surrogate: Dibromofluoromethane	93.6	Limit: 57-128	% Rec		10/21/25 0000	10/21/25 1652	RAF
Surrogate: 1,2-Dichloroethane-d4	114	Limit: 61-142	% Rec		10/21/25 0000	10/21/25 1652	RAF
Surrogate: 1,2-Dichloroethane-d4	114	Limit: 49-135	% Rec		10/21/25 0000	10/21/25 1652	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec		10/21/25 0000	10/21/25 1652	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec		10/21/25 0000	10/21/25 1652	RAF
Surrogate: 4-Bromofluorobenzene	101	Limit: 77-114	% Rec		10/21/25 0000	10/21/25 1652	RAF
Surrogate: 4-Bromofluorobenzene	101	Limit: 80-116	% Rec		10/21/25 0000	10/21/25 1652	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1751	RVV
Arsenic	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1751	RVV
Barium	0.114	0.0010	mg/L		10/20/25 1629	10/21/25 1751	RVV
Beryllium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1751	RVV
Cadmium	<0.0002	0.0002	mg/L		10/20/25 1629	10/21/25 1751	RVV
Chromium	0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1751	RVV
Cobalt	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1751	RVV
Copper	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1751	RVV
Lead	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1751	RVV
Nickel	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1751	RVV
Selenium	0.0028	0.0020	mg/L		10/20/25 1629	10/21/25 1751	RVV
Silver	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1751	RVV
Thallium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1751	RVV
Vanadium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1751	RVV
Zinc	0.0110	0.0050	mg/L		10/20/25 1629	10/21/25 1751	RVV

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-33
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-15

Collected By: Whipple, Todd
Collection Date: 10/16/2025 10:52

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Bromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Chloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Acetone	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Chloroform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Benzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Dibromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Toluene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Xylenes, total	<2.0	2.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Styrene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Bromoform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-33
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-15

Collected By: Whipple, Todd
Collection Date: 10/16/2025 10:52

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1715	RAF
Surrogate: Dibromofluoromethane	92.1	Limit: 57-128	% Rec		10/21/25 0000	10/21/25 1715	RAF
Surrogate: Dibromofluoromethane	92.1	Limit: 75-136	% Rec		10/21/25 0000	10/21/25 1715	RAF
Surrogate: 1,2-Dichloroethane-d4	114	Limit: 49-135	% Rec		10/21/25 0000	10/21/25 1715	RAF
Surrogate: 1,2-Dichloroethane-d4	114	Limit: 61-142	% Rec		10/21/25 0000	10/21/25 1715	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		10/21/25 0000	10/21/25 1715	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/21/25 0000	10/21/25 1715	RAF
Surrogate: 4-Bromofluorobenzene	99.6	Limit: 77-114	% Rec		10/21/25 0000	10/21/25 1715	RAF
Surrogate: 4-Bromofluorobenzene	99.6	Limit: 80-116	% Rec		10/21/25 0000	10/21/25 1715	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1758	RVV
Arsenic	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1758	RVV
Barium	0.281	0.0010	mg/L		10/20/25 1629	10/21/25 1758	RVV
Beryllium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1758	RVV
Cadmium	<0.0002	0.0002	mg/L		10/20/25 1629	10/21/25 1758	RVV
Chromium	0.0012	0.0010	mg/L		10/20/25 1629	10/21/25 1758	RVV
Cobalt	0.0007	0.0005	mg/L		10/20/25 1629	10/21/25 1758	RVV
Copper	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1758	RVV
Lead	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1758	RVV
Nickel	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1758	RVV
Selenium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1758	RVV
Silver	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1758	RVV
Thallium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1758	RVV
Vanadium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1758	RVV
Zinc	0.0093	0.0050	mg/L		10/20/25 1629	10/21/25 1758	RVV

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-35R
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-16

Collected By: Whipple, Todd
Collection Date: 10/16/2025 8:35

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Vinyl Chloride	1.7	1.0	ug/L		10/22/25 0000	10/22/25 1840	RAF
Bromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Chloroethane	7.4	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Acetone	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Chloroform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Benzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Dibromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Toluene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Xylenes, total	<2.0	2.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Styrene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Bromoform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF

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1IJ1698

Client Sample ID: MW-35R
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-16

Collected By: Whipple, Todd
Collection Date: 10/16/2025 8:35

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1737	RAF
Surrogate: Dibromofluoromethane	94.8	Limit: 75-136	% Rec		10/21/25 0000	10/21/25 1737	RAF
Surrogate: Dibromofluoromethane	94.8	Limit: 57-128	% Rec		10/21/25 0000	10/21/25 1737	RAF
Surrogate: Dibromofluoromethane	94.8	Limit: 75-136	% Rec		10/22/25 0000	10/22/25 1840	RAF
Surrogate: 1,2-Dichloroethane-d4	115	Limit: 49-135	% Rec		10/21/25 0000	10/21/25 1737	RAF
Surrogate: 1,2-Dichloroethane-d4	117	Limit: 61-142	% Rec		10/22/25 0000	10/22/25 1840	RAF
Surrogate: 1,2-Dichloroethane-d4	115	Limit: 61-142	% Rec		10/21/25 0000	10/21/25 1737	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/21/25 0000	10/21/25 1737	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		10/21/25 0000	10/21/25 1737	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec		10/22/25 0000	10/22/25 1840	RAF
Surrogate: 4-Bromofluorobenzene	101	Limit: 77-114	% Rec		10/21/25 0000	10/21/25 1737	RAF
Surrogate: 4-Bromofluorobenzene	102	Limit: 80-116	% Rec		10/22/25 0000	10/22/25 1840	RAF
Surrogate: 4-Bromofluorobenzene	101	Limit: 80-116	% Rec		10/21/25 0000	10/21/25 1737	RAF
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1801	RVV
Arsenic	0.0314	0.0020	mg/L		10/20/25 1629	10/21/25 1801	RVV
Barium	1.78	0.0010	mg/L		10/20/25 1629	10/21/25 1801	RVV
Beryllium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1801	RVV
Cadmium	<0.0002	0.0002	mg/L		10/20/25 1629	10/21/25 1801	RVV
Chromium	0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1801	RVV
Cobalt	0.0076	0.0005	mg/L		10/20/25 1629	10/21/25 1801	RVV
Copper	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1801	RVV
Lead	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1801	RVV
Nickel	0.0277	0.0050	mg/L		10/20/25 1629	10/21/25 1801	RVV
Selenium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1801	RVV
Silver	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1801	RVV
Thallium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1801	RVV
Vanadium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1801	RVV
Zinc	0.0200	0.0050	mg/L		10/20/25 1629	10/21/25 1801	RVV

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: GU-3
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-17

Collected By: Whipple, Todd
Collection Date: 10/16/2025 12:35

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Bromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Chloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Acetone	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Chloroform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Benzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Dibromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Toluene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Xylenes, total	<2.0	2.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Styrene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Bromoform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: GU-3
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-17

Collected By: Whipple, Todd
Collection Date: 10/16/2025 12:35

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1800	RAF
Surrogate: Dibromofluoromethane	95.1	Limit: 75-136	% Rec		10/21/25 0000	10/21/25 1800	RAF
Surrogate: Dibromofluoromethane	95.1	Limit: 57-128	% Rec		10/21/25 0000	10/21/25 1800	RAF
Surrogate: 1,2-Dichloroethane-d4	116	Limit: 49-135	% Rec		10/21/25 0000	10/21/25 1800	RAF
Surrogate: 1,2-Dichloroethane-d4	116	Limit: 61-142	% Rec		10/21/25 0000	10/21/25 1800	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec		10/21/25 0000	10/21/25 1800	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec		10/21/25 0000	10/21/25 1800	RAF
Surrogate: 4-Bromofluorobenzene	98.3	Limit: 80-116	% Rec		10/21/25 0000	10/21/25 1800	RAF
Surrogate: 4-Bromofluorobenzene	98.3	Limit: 77-114	% Rec		10/21/25 0000	10/21/25 1800	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1803	RVV
Arsenic	0.0103	0.0020	mg/L		10/20/25 1629	10/21/25 1803	RVV
Barium	0.183	0.0010	mg/L		10/20/25 1629	10/21/25 1803	RVV
Beryllium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1803	RVV
Cadmium	<0.0002	0.0002	mg/L		10/20/25 1629	10/21/25 1803	RVV
Chromium	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1803	RVV
Cobalt	0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1803	RVV
Copper	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1803	RVV
Lead	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1803	RVV
Nickel	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1803	RVV
Selenium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1803	RVV
Silver	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1803	RVV
Thallium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1803	RVV
Vanadium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1803	RVV
Zinc	0.0068	0.0050	mg/L		10/20/25 1629	10/21/25 1803	RVV

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: Tile ACM-1
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-18

Collected By: Whipple, Todd
Collection Date: 10/16/2025 8:02

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Bromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Chloroethane	4.6	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Acetone	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
1,1-Dichloroethane	3.4	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
cis-1,2-Dichloroethylene	2.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Chloroform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Benzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Dibromomethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Toluene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Chlorobenzene	1.2	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Xylenes, total	<2.0	2.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Styrene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Bromoform	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: Tile ACM-1
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-18

Collected By: Whipple, Todd
Collection Date: 10/16/2025 8:02

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
1,4-Dichlorobenzene	2.8	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/21/25 0000	10/21/25 1823	RAF
Surrogate: Dibromofluoromethane	93.1	Limit: 75-136	% Rec		10/21/25 0000	10/21/25 1823	RAF
Surrogate: Dibromofluoromethane	93.1	Limit: 57-128	% Rec		10/21/25 0000	10/21/25 1823	RAF
Surrogate: 1,2-Dichloroethane-d4	112	Limit: 49-135	% Rec		10/21/25 0000	10/21/25 1823	RAF
Surrogate: 1,2-Dichloroethane-d4	112	Limit: 61-142	% Rec		10/21/25 0000	10/21/25 1823	RAF
Surrogate: Toluene-d8	104	Limit: 82-121	% Rec		10/21/25 0000	10/21/25 1823	RAF
Surrogate: Toluene-d8	104	Limit: 82-116	% Rec		10/21/25 0000	10/21/25 1823	RAF
Surrogate: 4-Bromofluorobenzene	102	Limit: 80-116	% Rec		10/21/25 0000	10/21/25 1823	RAF
Surrogate: 4-Bromofluorobenzene	102	Limit: 77-114	% Rec		10/21/25 0000	10/21/25 1823	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1806	RVV
Arsenic	0.545	0.0020	mg/L		10/20/25 1629	10/21/25 1806	RVV
Barium	1.03	0.0010	mg/L		10/20/25 1629	10/21/25 1806	RVV
Beryllium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1806	RVV
Cadmium	<0.0002	0.0002	mg/L		10/20/25 1629	10/21/25 1806	RVV
Chromium	0.0016	0.0010	mg/L		10/20/25 1629	10/21/25 1806	RVV
Cobalt	0.0057	0.0005	mg/L		10/20/25 1629	10/21/25 1806	RVV
Copper	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1806	RVV
Lead	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1806	RVV
Nickel	0.0231	0.0050	mg/L		10/20/25 1629	10/21/25 1806	RVV
Selenium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1806	RVV
Silver	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1806	RVV
Thallium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1806	RVV
Vanadium	0.0028	0.0020	mg/L		10/20/25 1629	10/21/25 1806	RVV
Zinc	0.316	0.0050	mg/L		10/20/25 1629	10/21/25 1806	RVV

Client Sample ID: MW-7A North
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-19

Collected By: Whipple, Todd
Collection Date: 10/16/2025 10:37

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Arsenic	0.0061	0.0020	mg/L		10/20/25 0925	10/20/25 2138	RVV

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CERTIFICATE OF ANALYSIS

1IJ1698

Client Sample ID: MW-7B Northwest
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-20

Collected By: Whipple, Todd
Collection Date: 10/16/2025 10:30

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Arsenic	1.64	0.0200	mg/L		10/20/25 0925	10/21/25 1114	RVV

Client Sample ID: Field Duplicate
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1698-21

Collected By: Whipple, Todd
Collection Date: 10/16/2025

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1808	RVV
Arsenic	0.0056	0.0020	mg/L		10/20/25 1629	10/21/25 1808	RVV
Barium	0.223	0.0010	mg/L		10/20/25 1629	10/21/25 1808	RVV
Beryllium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1808	RVV
Cadmium	<0.0002	0.0002	mg/L		10/20/25 1629	10/21/25 1808	RVV
Chromium	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1808	RVV
Cobalt	0.0056	0.0005	mg/L		10/20/25 1629	10/21/25 1808	RVV
Copper	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1808	RVV
Lead	<0.0010	0.0010	mg/L		10/20/25 1629	10/21/25 1808	RVV
Nickel	0.0200	0.0050	mg/L		10/20/25 1629	10/21/25 1808	RVV
Selenium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1808	RVV
Silver	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1808	RVV
Thallium	<0.0005	0.0005	mg/L		10/20/25 1629	10/21/25 1808	RVV
Vanadium	<0.0020	0.0020	mg/L		10/20/25 1629	10/21/25 1808	RVV
Zinc	<0.0050	0.0050	mg/L		10/20/25 1629	10/21/25 1808	RVV

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Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1IJ1122	1IJ1122-BLK1	
		1IJ1122-BS1	
		1IJ1122-MS1	1IJ1462-01
		1IJ1122-MSD1	1IJ1462-01
		1IJ1122-PS1	1IJ1462-01
		1IJ1698-19	MW-7A North
		1IJ1698-20RE1	MW-7B Northwest
Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IJ1171	1IJ1171-BS1	
		1IJ1171-BSD1	
		1IJ1171-BLK1	
		1IJ1698-01	MW-36 (B)
		1IJ1698-02	MW-37 (B)
		1IJ1171-MS1	1IJ1462-01
EPA 6020A	1IJ1174	1IJ1171-MSD1	1IJ1462-01
		1IJ1174-BLK1	
		1IJ1174-BS1	
		1IJ1698-01	MW-36 (B)
		1IJ1174-MS1	1IJ1698-01
		1IJ1174-MSD1	1IJ1698-01
		1IJ1174-PS1	1IJ1698-01
		1IJ1698-02	MW-37 (B)
		1IJ1698-03	MW-39 (B)
		1IJ1698-04	MW-40 (B)
		1IJ1698-05	MW-47 (B)
		1IJ1698-06	MW-48A
		1IJ1698-07	MW-49A
		1IJ1698-08	MW-50
		1IJ1698-09	MW-51
		1IJ1698-10	MW-7
		1IJ1698-11	MW-9
		1IJ1698-12	MW-13R
		1IJ1698-13	MW-14
		1IJ1698-14	MW-29
EPA 8260D	1IJ1250	1IJ1698-15	MW-33
		1IJ1698-16	MW-35R
		1IJ1698-17	GU-3
		1IJ1698-18	Tile ACM-1
		1IJ1698-21	Field Duplicate
		1IJ1250-BLK1	
		1IJ1250-BSD1	
		1IJ1250-BS1	
		1IJ1698-03	MW-39 (B)
		1IJ1698-04	MW-40 (B)
EPA 6020A	1IJ1174	1IJ1698-05	MW-47 (B)
		1IJ1698-06	MW-48A
		1IJ1698-07	MW-49A

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CERTIFICATE OF ANALYSIS

1IJ1698

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IJ1250	1IJ1698-07	MW-49A
		1IJ1698-08	MW-50
		1IJ1698-09	MW-51
		1IJ1698-10	MW-7
		1IJ1698-11	MW-9
		1IJ1698-12	MW-13R
		1IJ1698-13	MW-14
		1IJ1698-14	MW-29
		1IJ1698-15	MW-33
		1IJ1698-16	MW-35R
		1IJ1698-17	GU-3
		1IJ1698-18	Tile ACM-1
		1IJ1250-MS1	1IJ1698-03
		1IJ1250-MSD1	1IJ1698-03
Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IJ1335	1IJ1335-BS1	
		1IJ1335-BSD1	
		1IJ1335-BLK1	
		1IJ1698-07RE1	MW-49A
		1IJ1698-16RE1	MW-35R
		1IJ1335-MS1	3IJ0086-07
		1IJ1335-MSD1	3IJ0086-07

Batch Quality Control Summary: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1171 - EPA 5030B - EPA 8260D										
Blank (1IJ1171-BLK1)				Prepared: 10/20/25 00:00 Analyzed: 10/20/25 11:05						
Chloromethane	<1.0	1.0	ug/L							
Vinyl Chloride	<1.0	1.0	ug/L							
Bromomethane	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Trichlorofluoromethane	<1.0	1.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
Acetone	<10.0	10.0	ug/L							
Methyl Iodide	<1.0	1.0	ug/L							
Carbon Disulfide	<1.0	1.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
Acrylonitrile	<5.0	5.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
Vinyl Acetate	<5.0	5.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10.0	10.0	ug/L							
Bromochloromethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							

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CERTIFICATE OF ANALYSIS

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1171 - EPA 5030B - EPA 8260D										
Blank (11J1171-BLK1)				Prepared: 10/20/25 00:00 Analyzed: 10/20/25 11:05						
Carbon Tetrachloride	<1.0	1.0	ug/L							
Benzene	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L							
Toluene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<5.0	5.0	ug/L							
Dibromochloromethane	<1.0	1.0	ug/L							
1,2-Dibromoethane	<1.0	1.0	ug/L							
Chlorobenzene	<1.0	1.0	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Xylenes, total	<2.0	2.0	ug/L							
Styrene	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							
1,2,3-Trichloropropane	<1.0	1.0	ug/L							
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,4-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L							
Surrogate: Dibromofluoromethane	47.7		ug/L	50.2		95.1	57-128			
Surrogate: Dibromofluoromethane	47.7		ug/L	50.2		95.1	75-136			
Surrogate: 1,2-Dichloroethane-d4	58.2		ug/L	50.4		116	49-135			
Surrogate: 1,2-Dichloroethane-d4	58.2		ug/L	50.4		116	61-142			
Surrogate: Toluene-d8	51.0		ug/L	50.5		101	82-116			
Surrogate: Toluene-d8	51.0		ug/L	50.5		101	82-121			
Surrogate: 4-Bromofluorobenzene	51.4		ug/L	50.2		102	77-114			
Surrogate: 4-Bromofluorobenzene	51.4		ug/L	50.2		102	80-116			
LCS (11J1171-BS1)				Prepared: 10/20/25 00:00 Analyzed: 10/20/25 09:56						
Chloromethane	27.64	1.0	ug/L	30.3		91.2	63-155			
Vinyl Chloride	31.30	1.0	ug/L	30.2		103	70-154			
Bromomethane	24.06	1.0	ug/L	30.1		79.9	52-176			
Chloroethane	26.47	1.0	ug/L	30.3		87.3	72-148			
Trichlorofluoromethane	30.53	1.0	ug/L	30.3		101	70-152			
1,1-Dichloroethylene	60.39	1.0	ug/L	50.1		120	70-148			

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CERTIFICATE OF ANALYSIS

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1171 - EPA 5030B - EPA 8260D										
LCS (11J1171-BS1)										
Prepared: 10/20/25 00:00 Analyzed: 10/20/25 09:56										
Acetone	116.4	10.0	ug/L	100		116	43-172			
Methyl Iodide	110.4	1.0	ug/L	100		110	69-170			
Carbon Disulfide	105.4	1.0	ug/L	100		105	72-162			
Methylene Chloride	48.67	5.0	ug/L	50.1		97.1	68-142			
Acrylonitrile	56.52	5.0	ug/L	50.4		112	33-163			
trans-1,2-Dichloroethylene	62.15	1.0	ug/L	50.1		124	66-148			
1,1-Dichloroethane	60.62	1.0	ug/L	50.1		121	66-143			
Vinyl Acetate	150.2	5.0	ug/L	142		105	43-153			
cis-1,2-Dichloroethylene	52.34	1.0	ug/L	50.4		104	71-149			
2-Butanone (MEK)	123.8	10.0	ug/L	100		124	52-159			
Bromochloromethane	61.40	1.0	ug/L	50.4		122	69-143			
Chloroform	53.34	1.0	ug/L	50.1		107	69-144			
1,1,1-Trichloroethane	55.45	1.0	ug/L	50.1		111	62-129			
Carbon Tetrachloride	56.87	1.0	ug/L	50.1		114	63-141			
Benzene	56.47	1.0	ug/L	50.4		112	71-134			
1,2-Dichloroethane	64.01	1.0	ug/L	50.1		128	72-132			
Trichloroethylene	57.57	1.0	ug/L	50.1		115	71-135			
1,2-Dichloropropane	57.64	1.0	ug/L	50.1		115	69-136			
Dibromomethane	47.83	1.0	ug/L	50.4		95.0	73-147			
Bromodichloromethane	56.79	1.0	ug/L	50.1		113	68-129			
cis-1,3-Dichloropropene	47.10	1.0	ug/L	50.1		94.0	65-134			
4-Methyl-2-pentanone (MIBK)	124.0	5.0	ug/L	100		124	58-147			
Toluene	56.27	1.0	ug/L	50.5		111	72-133			
trans-1,3-Dichloropropene	55.07	1.0	ug/L	50.1		110	67-130			
1,1,2-Trichloroethane	54.61	1.0	ug/L	50.1		109	69-135			
Tetrachloroethylene	54.73	1.0	ug/L	50.1		109	69-130			
2-Hexanone (MBK)	124.4	5.0	ug/L	100		124	55-144			
Dibromochloromethane	45.14	1.0	ug/L	50.1		90.2	73-127			
1,2-Dibromoethane	50.90	1.0	ug/L	50.2		101	67-132			
Chlorobenzene	52.31	1.0	ug/L	50.1		104	72-123			
1,1,1,2-Tetrachloroethane	49.61	1.0	ug/L	50.3		98.5	73-127			
Ethylbenzene	56.16	1.0	ug/L	50.2		112	71-127			
Xylenes, total	174.7	2.0	ug/L	151		116	74-127			
Styrene	55.04	1.0	ug/L	50.4		109	66-126			
Bromoform	52.11	1.0	ug/L	50.1		104	68-130			
1,2,3-Trichloropropane	53.13	1.0	ug/L	50.3		106	63-136			
trans-1,4-Dichloro-2-butene	118.1	5.0	ug/L	100		118	54-134			
1,1,2,2-Tetrachloroethane	51.31	1.0	ug/L	50.1		102	61-131			
1,4-Dichlorobenzene	50.46	1.0	ug/L	50.1		101	70-129			
1,2-Dichlorobenzene	49.48	1.0	ug/L	50.1		98.8	69-126			
1,2-Dibromo-3-chloropropane	43.55	5.0	ug/L	50.1		86.9	50-143			
Surrogate: Dibromofluoromethane	47.0		ug/L	50.2		93.7	57-128			

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CERTIFICATE OF ANALYSIS

11J1698

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1171 - EPA 5030B - EPA 8260D										
LCS (11J1171-BS1)				Prepared: 10/20/25 00:00 Analyzed: 10/20/25 09:56						
Surrogate: Dibromofluoromethane	47.0		ug/L	50.2		93.7	75-136			
Surrogate: 1,2-Dichloroethane-d4	58.5		ug/L	50.4		116	49-135			
Surrogate: 1,2-Dichloroethane-d4	58.5		ug/L	50.4		116	61-142			
Surrogate: Toluene-d8	51.0		ug/L	50.5		101	82-116			
Surrogate: Toluene-d8	51.0		ug/L	50.5		101	82-121			
Surrogate: 4-Bromofluorobenzene	58.1		ug/L	50.2		116	77-114			S1
Surrogate: 4-Bromofluorobenzene	58.1		ug/L	50.2		116	80-116			
LCS Dup (11J1171-BS1)				Prepared: 10/20/25 00:00 Analyzed: 10/20/25 10:19						
Chloromethane	26.59	1.0	ug/L	30.3		87.7	63-155	3.87	24	
Vinyl Chloride	34.52	1.0	ug/L	30.2		114	70-154	9.78	25	
Bromomethane	24.98	1.0	ug/L	30.1		82.9	52-176	3.75	27	
Chloroethane	24.96	1.0	ug/L	30.3		82.3	72-148	5.87	25	
Trichlorofluoromethane	29.07	1.0	ug/L	30.3		95.9	70-152	4.90	26	
1,1-Dichloroethylene	59.52	1.0	ug/L	50.1		119	70-148	1.45	24	
Acetone	118.1	10.0	ug/L	100		118	43-172	1.44	30	
Methyl Iodide	109.4	1.0	ug/L	100		109	69-170	0.928	30	
Carbon Disulfide	101.4	1.0	ug/L	100		101	72-162	3.86	24	
Methylene Chloride	48.74	5.0	ug/L	50.1		97.3	68-142	0.144	21	
Acrylonitrile	58.58	5.0	ug/L	50.4		116	33-163	3.58	28	
trans-1,2-Dichloroethylene	61.19	1.0	ug/L	50.1		122	66-148	1.56	27	
1,1-Dichloroethane	59.18	1.0	ug/L	50.1		118	66-143	2.40	24	
Vinyl Acetate	149.6	5.0	ug/L	142		105	43-153	0.347	30	
cis-1,2-Dichloroethylene	51.29	1.0	ug/L	50.4		102	71-149	2.03	26	
2-Butanone (MEK)	125.6	10.0	ug/L	100		126	52-159	1.40	27	
Bromochloromethane	61.93	1.0	ug/L	50.4		123	69-143	0.859	23	
Chloroform	53.62	1.0	ug/L	50.1		107	69-144	0.524	23	
1,1,1-Trichloroethane	54.57	1.0	ug/L	50.1		109	62-129	1.60	24	
Carbon Tetrachloride	56.81	1.0	ug/L	50.1		113	63-141	0.106	25	
Benzene	55.83	1.0	ug/L	50.4		111	71-134	1.14	24	
1,2-Dichloroethane	64.74	1.0	ug/L	50.1		129	72-132	1.13	24	
Trichloroethylene	56.68	1.0	ug/L	50.1		113	71-135	1.56	24	
1,2-Dichloropropane	58.62	1.0	ug/L	50.1		117	69-136	1.69	24	
Dibromomethane	48.54	1.0	ug/L	50.4		96.4	73-147	1.47	25	
Bromodichloromethane	56.14	1.0	ug/L	50.1		112	68-129	1.15	22	
cis-1,3-Dichloropropene	47.83	1.0	ug/L	50.1		95.5	65-134	1.54	23	
4-Methyl-2-pentanone (MIBK)	126.9	5.0	ug/L	100		127	58-147	2.31	27	
Toluene	54.94	1.0	ug/L	50.5		109	72-133	2.39	24	
trans-1,3-Dichloropropene	55.65	1.0	ug/L	50.1		111	67-130	1.05	24	
1,1,2-Trichloroethane	54.91	1.0	ug/L	50.1		110	69-135	0.548	23	
Tetrachloroethylene	51.04	1.0	ug/L	50.1		102	69-130	6.98	25	
2-Hexanone (MBK)	122.8	5.0	ug/L	100		123	55-144	1.28	25	
Dibromochloromethane	45.22	1.0	ug/L	50.1		90.3	73-127	0.177	22	
1,2-Dibromoethane	49.24	1.0	ug/L	50.2		98.0	67-132	3.32	24	

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CERTIFICATE OF ANALYSIS

11J1698

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1171 - EPA 5030B - EPA 8260D										
LCS Dup (11J1171-BSD1)				Prepared: 10/20/25 00:00 Analyzed: 10/20/25 10:19						
Chlorobenzene	50.27	1.0	ug/L	50.1		100	72-123	3.98	23	
1,1,1,2-Tetrachloroethane	49.03	1.0	ug/L	50.3		97.4	73-127	1.18	24	
Ethylbenzene	54.97	1.0	ug/L	50.2		110	71-127	2.14	26	
Xylenes, total	168.7	2.0	ug/L	151		112	74-127	3.50	25	
Styrene	52.63	1.0	ug/L	50.4		104	66-126	4.48	23	
Bromoform	50.22	1.0	ug/L	50.1		100	68-130	3.69	23	
1,2,3-Trichloropropane	53.49	1.0	ug/L	50.3		106	63-136	0.675	24	
trans-1,4-Dichloro-2-butene	115.5	5.0	ug/L	100		116	54-134	2.23	27	
1,1,2,2-Tetrachloroethane	52.64	1.0	ug/L	50.1		105	61-131	2.56	29	
1,4-Dichlorobenzene	51.64	1.0	ug/L	50.1		103	70-129	2.31	24	
1,2-Dichlorobenzene	50.34	1.0	ug/L	50.1		100	69-126	1.72	26	
1,2-Dibromo-3-chloropropane	44.67	5.0	ug/L	50.1		89.1	50-143	2.54	30	

Surrogate: Dibromofluoromethane	47.9		ug/L	50.2		95.4	57-128			
Surrogate: Dibromofluoromethane	47.9		ug/L	50.2		95.4	75-136			
Surrogate: 1,2-Dichloroethane-d4	58.6		ug/L	50.4		116	49-135			
Surrogate: 1,2-Dichloroethane-d4	58.6		ug/L	50.4		116	61-142			
Surrogate: Toluene-d8	51.6		ug/L	50.5		102	82-116			
Surrogate: Toluene-d8	51.6		ug/L	50.5		102	82-121			
Surrogate: 4-Bromofluorobenzene	57.1		ug/L	50.2		114	77-114			
Surrogate: 4-Bromofluorobenzene	57.1		ug/L	50.2		114	80-116			

Matrix Spike (11J1171-MS1)		Source: 11J1462-01		Prepared: 10/20/25 00:00 Analyzed: 10/20/25 19:05						
Chloromethane	272.9	10.0	ug/L	303	ND	90.0	61-152			
Vinyl Chloride	531.5	10.0	ug/L	302	ND	176	66-149			M1
Bromomethane	247.2	10.0	ug/L	301	ND	82.1	43-171			
Chloroethane	284.5	10.0	ug/L	303	ND	93.8	69-148			
Trichlorofluoromethane	318.7	10.0	ug/L	303	ND	105	62-163			
1,1-Dichloroethylene	633.3	10.0	ug/L	501	ND	126	70-148			
Acetone	1527	100	ug/L	1000	ND	153	45-173			
Methyl Iodide	1025	10.0	ug/L	1000	ND	102	62-167			
Carbon Disulfide	1014	10.0	ug/L	1000	ND	101	71-163			
Methylene Chloride	493.8	50.0	ug/L	501	ND	98.6	69-140			
Acrylonitrile	614.3	50.0	ug/L	504	ND	122	32-159			
trans-1,2-Dichloroethylene	632.8	10.0	ug/L	501	ND	126	69-144			
1,1-Dichloroethane	628.5	10.0	ug/L	501	ND	125	70-138			
Vinyl Acetate	1571	50.0	ug/L	1420	ND	110	58-142			
cis-1,2-Dichloroethylene	535.9	10.0	ug/L	504	ND	106	68-151			
2-Butanone (MEK)	1369	100	ug/L	1000	ND	137	50-160			
Bromochloromethane	654.8	10.0	ug/L	504	ND	130	65-143			
Chloroform	553.2	10.0	ug/L	501	ND	110	71-143			
1,1,1-Trichloroethane	574.3	10.0	ug/L	501	ND	115	63-133			
Carbon Tetrachloride	569.7	10.0	ug/L	501	ND	114	63-142			
Benzene	561.6	10.0	ug/L	504	ND	111	69-133			
1,2-Dichloroethane	632.3	10.0	ug/L	501	ND	126	63-138			

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CERTIFICATE OF ANALYSIS

11J1698

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1171 - EPA 5030B - EPA 8260D										
Matrix Spike (11J1171-MS1)	Source: 11J1462-01			Prepared: 10/20/25 00:00 Analyzed: 10/20/25 19:05						
Trichloroethylene	559.6	10.0	ug/L	501	ND	112	71-133			
1,2-Dichloropropane	575.5	10.0	ug/L	501	ND	115	69-132			
Dibromomethane	499.5	10.0	ug/L	504	ND	99.2	70-147			
Bromodichloromethane	560.5	10.0	ug/L	501	ND	112	67-130			
cis-1,3-Dichloropropene	459.9	10.0	ug/L	501	ND	91.8	61-126			
4-Methyl-2-pentanone (MIBK)	1259	50.0	ug/L	1000	ND	126	55-147			
Toluene	561.8	10.0	ug/L	505	ND	111	71-133			
trans-1,3-Dichloropropene	531.6	10.0	ug/L	501	ND	106	63-124			
1,1,2-Trichloroethane	542.6	10.0	ug/L	501	ND	108	69-133			
Tetrachloroethylene	521.3	10.0	ug/L	501	ND	104	70-124			
2-Hexanone (MBK)	1209	50.0	ug/L	1000	ND	121	53-141			
Dibromochloromethane	437.4	10.0	ug/L	501	ND	87.4	74-122			
1,2-Dibromoethane	494.6	10.0	ug/L	502	ND	98.5	66-127			
Chlorobenzene	516.9	10.0	ug/L	501	ND	103	76-116			
1,1,1,2-Tetrachloroethane	480.4	10.0	ug/L	503	ND	95.4	77-121			
Ethylbenzene	549.5	10.0	ug/L	502	ND	110	73-124			
Xylenes, total	1733	20.0	ug/L	1510	ND	115	75-123			
Styrene	532.3	10.0	ug/L	504	ND	106	70-120			
Bromoform	500.2	10.0	ug/L	501	ND	99.8	70-124			
1,2,3-Trichloropropane	539.1	10.0	ug/L	503	ND	107	62-135			
trans-1,4-Dichloro-2-butene	1123	50.0	ug/L	1000	ND	112	50-120			
1,1,2,2-Tetrachloroethane	527.3	10.0	ug/L	501	ND	105	63-126			
1,4-Dichlorobenzene	521.7	10.0	ug/L	501	ND	104	72-119			
1,2-Dichlorobenzene	508.4	10.0	ug/L	501	ND	101	71-117			
1,2-Dibromo-3-chloropropane	434.5	50.0	ug/L	501	ND	86.7	49-134			
Surrogate: Dibromofluoromethane	516		ug/L	502		103	57-128			
Surrogate: Dibromofluoromethane	516		ug/L	502		103	75-136			
Surrogate: 1,2-Dichloroethane-d4	610		ug/L	504		121	49-135			
Surrogate: 1,2-Dichloroethane-d4	610		ug/L	504		121	61-142			
Surrogate: Toluene-d8	525		ug/L	505		104	82-116			
Surrogate: Toluene-d8	525		ug/L	505		104	82-121			
Surrogate: 4-Bromofluorobenzene	570		ug/L	502		114	77-114			
Surrogate: 4-Bromofluorobenzene	570		ug/L	502		114	80-116			
Matrix Spike Dup (11J1171-MSD1)	Source: 11J1462-01			Prepared: 10/20/25 00:00 Analyzed: 10/20/25 19:28						
Chloromethane	274.0	10.0	ug/L	303	ND	90.4	61-152	0.402	26	
Vinyl Chloride	499.3	10.0	ug/L	302	ND	165	66-149	6.25	23	M1
Bromomethane	236.0	10.0	ug/L	301	ND	78.3	43-171	4.64	29	
Chloroethane	278.4	10.0	ug/L	303	ND	91.8	69-148	2.17	25	
Trichlorofluoromethane	302.0	10.0	ug/L	303	ND	99.7	62-163	5.38	25	
1,1-Dichloroethylene	614.8	10.0	ug/L	501	ND	123	70-148	2.96	22	
Acetone	1549	100	ug/L	1000	ND	155	45-173	1.44	30	
Methyl Iodide	1063	10.0	ug/L	1000	ND	106	62-167	3.62	24	
Carbon Disulfide	1007	10.0	ug/L	1000	ND	101	71-163	0.663	22	

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CERTIFICATE OF ANALYSIS

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1171 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (11J1171-MSD1)										
Source: 11J1462-01			Prepared: 10/20/25 00:00 Analyzed: 10/20/25 19:28							
Methylene Chloride	495.6	50.0	ug/L	501	ND	98.9	69-140	0.364	19	
Acrylonitrile	613.8	50.0	ug/L	504	ND	122	32-159	0.0814	30	
trans-1,2-Dichloroethylene	611.9	10.0	ug/L	501	ND	122	69-144	3.36	22	
1,1-Dichloroethane	604.1	10.0	ug/L	501	ND	121	70-138	3.96	20	
Vinyl Acetate	1626	50.0	ug/L	1420	ND	114	58-142	3.41	24	
cis-1,2-Dichloroethylene	520.4	10.0	ug/L	504	ND	103	68-151	2.93	22	
2-Butanone (MEK)	1287	100	ug/L	1000	ND	129	50-160	6.12	23	
Bromochloromethane	651.6	10.0	ug/L	504	ND	129	65-143	0.490	22	
Chloroform	557.8	10.0	ug/L	501	ND	111	71-143	0.828	21	
1,1,1-Trichloroethane	557.1	10.0	ug/L	501	ND	111	63-133	3.04	23	
Carbon Tetrachloride	565.9	10.0	ug/L	501	ND	113	63-142	0.669	22	
Benzene	552.0	10.0	ug/L	504	ND	109	69-133	1.72	18	
1,2-Dichloroethane	650.8	10.0	ug/L	501	ND	130	63-138	2.88	20	
Trichloroethylene	553.6	10.0	ug/L	501	ND	111	71-133	1.08	23	
1,2-Dichloropropane	568.3	10.0	ug/L	501	ND	113	69-132	1.26	20	
Dibromomethane	485.5	10.0	ug/L	504	ND	96.4	70-147	2.84	22	
Bromodichloromethane	560.3	10.0	ug/L	501	ND	112	67-130	0.0357	21	
cis-1,3-Dichloropropene	465.3	10.0	ug/L	501	ND	92.9	61-126	1.17	21	
4-Methyl-2-pentanone (MIBK)	1268	50.0	ug/L	1000	ND	127	55-147	0.712	23	
Toluene	547.9	10.0	ug/L	505	ND	109	71-133	2.51	19	
trans-1,3-Dichloropropene	528.8	10.0	ug/L	501	ND	106	63-124	0.528	21	
1,1,2-Trichloroethane	555.7	10.0	ug/L	501	ND	111	69-133	2.39	19	
Tetrachloroethylene	496.5	10.0	ug/L	501	ND	99.1	70-124	4.87	24	
2-Hexanone (MBK)	1228	50.0	ug/L	1000	ND	123	53-141	1.53	24	
Dibromochloromethane	444.0	10.0	ug/L	501	ND	88.7	74-122	1.50	21	
1,2-Dibromoethane	492.8	10.0	ug/L	502	ND	98.1	66-127	0.365	23	
Chlorobenzene	499.3	10.0	ug/L	501	ND	99.7	76-116	3.46	21	
1,1,1,2-Tetrachloroethane	474.9	10.0	ug/L	503	ND	94.3	77-121	1.15	25	
Ethylbenzene	546.8	10.0	ug/L	502	ND	109	73-124	0.493	20	
Xylenes, total	1679	20.0	ug/L	1510	ND	111	75-123	3.15	20	
Styrene	525.3	10.0	ug/L	504	ND	104	70-120	1.32	23	
Bromoform	482.1	10.0	ug/L	501	ND	96.2	70-124	3.69	22	
1,2,3-Trichloropropane	519.6	10.0	ug/L	503	ND	103	62-135	3.68	28	
trans-1,4-Dichloro-2-butene	1122	50.0	ug/L	1000	ND	112	50-120	0.107	26	
1,1,2,2-Tetrachloroethane	530.9	10.0	ug/L	501	ND	106	63-126	0.680	24	
1,4-Dichlorobenzene	506.8	10.0	ug/L	501	ND	101	72-119	2.90	24	
1,2-Dichlorobenzene	499.7	10.0	ug/L	501	ND	99.8	71-117	1.73	24	
1,2-Dibromo-3-chloropropane	439.4	50.0	ug/L	501	ND	87.7	49-134	1.12	28	
Surrogate: Dibromofluoromethane	515		ug/L	502		103	57-128			
Surrogate: Dibromofluoromethane	515		ug/L	502		103	75-136			
Surrogate: 1,2-Dichloroethane-d4	622		ug/L	504		123	49-135			
Surrogate: 1,2-Dichloroethane-d4	622		ug/L	504		123	61-142			
Surrogate: Toluene-d8	524		ug/L	505		104	82-116			

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CERTIFICATE OF ANALYSIS

1IJ1698

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1171 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1IJ1171-MSD1)		Source: 1IJ1462-01		Prepared: 10/20/25 00:00 Analyzed: 10/20/25 19:28						
Surrogate: Toluene-d8	524		ug/L	505		104	82-121			
Surrogate: 4-Bromofluorobenzene	566		ug/L	502		113	77-114			
Surrogate: 4-Bromofluorobenzene	566		ug/L	502		113	80-116			

Batch 1IJ1250 - EPA 5030B - EPA 8260D

Blank (1IJ1250-BLK1)		Prepared: 10/21/25 00:00 Analyzed: 10/21/25 10:46								
Chloromethane	<1.0	1.0	ug/L							
Vinyl Chloride	<1.0	1.0	ug/L							
Bromomethane	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Trichlorofluoromethane	<1.0	1.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
Acetone	<10.0	10.0	ug/L							
Methyl Iodide	<1.0	1.0	ug/L							
Carbon Disulfide	<1.0	1.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
Acrylonitrile	<5.0	5.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
Vinyl Acetate	<5.0	5.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10.0	10.0	ug/L							
Bromochloromethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Benzene	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L							
Toluene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<5.0	5.0	ug/L							
Dibromochloromethane	<1.0	1.0	ug/L							
1,2-Dibromoethane	<1.0	1.0	ug/L							
Chlorobenzene	<1.0	1.0	ug/L							

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CERTIFICATE OF ANALYSIS

1IJ1698

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1250 - EPA 5030B - EPA 8260D										
Blank (1IJ1250-BLK1)				Prepared: 10/21/25 00:00 Analyzed: 10/21/25 10:46						
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Xylenes, total	<2.0	2.0	ug/L							
Styrene	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							
1,2,3-Trichloropropane	<1.0	1.0	ug/L							
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,4-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L							
Surrogate: Dibromofluoromethane	46.0		ug/L	50.2		91.7	57-128			
Surrogate: Dibromofluoromethane	46.0		ug/L	50.2		91.7	75-136			
Surrogate: 1,2-Dichloroethane-d4	48.2		ug/L	50.4		95.7	61-142			
Surrogate: 1,2-Dichloroethane-d4	48.2		ug/L	50.4		95.7	49-135			
Surrogate: Toluene-d8	52.2		ug/L	50.5		103	82-116			
Surrogate: Toluene-d8	52.2		ug/L	50.5		103	82-121			
Surrogate: 4-Bromofluorobenzene	28.3		ug/L	50.2		56.4	80-116			S2
Surrogate: 4-Bromofluorobenzene	28.3		ug/L	50.2		56.4	77-114			S2
LCS (1IJ1250-BS1)				Prepared: 10/21/25 00:00 Analyzed: 10/21/25 09:37						
Chloromethane	33.78	1.0	ug/L	30.3		111	63-155			
Vinyl Chloride	61.85	1.0	ug/L	30.2		204	70-154			Q2
Bromomethane	27.16	1.0	ug/L	30.1		90.2	52-176			
Chloroethane	30.61	1.0	ug/L	30.3		101	72-148			
Trichlorofluoromethane	33.68	1.0	ug/L	30.3		111	70-152			
1,1-Dichloroethylene	67.30	1.0	ug/L	50.1		134	70-148			
Acetone	128.3	10.0	ug/L	100		128	43-172			
Methyl Iodide	117.5	1.0	ug/L	100		118	69-170			
Carbon Disulfide	115.6	1.0	ug/L	100		116	72-162			
Methylene Chloride	51.41	5.0	ug/L	50.1		103	68-142			
Acrylonitrile	62.00	5.0	ug/L	50.4		123	33-163			
trans-1,2-Dichloroethylene	65.43	1.0	ug/L	50.1		131	66-148			
1,1-Dichloroethane	64.15	1.0	ug/L	50.1		128	66-143			
Vinyl Acetate	156.7	5.0	ug/L	142		110	43-153			
cis-1,2-Dichloroethylene	55.01	1.0	ug/L	50.4		109	71-149			
2-Butanone (MEK)	137.0	10.0	ug/L	100		137	52-159			
Bromochloromethane	70.02	1.0	ug/L	50.4		139	69-143			
Chloroform	57.56	1.0	ug/L	50.1		115	69-144			
1,1,1-Trichloroethane	59.82	1.0	ug/L	50.1		119	62-129			
Carbon Tetrachloride	60.57	1.0	ug/L	50.1		121	63-141			
Benzene	58.73	1.0	ug/L	50.4		116	71-134			
1,2-Dichloroethane	67.27	1.0	ug/L	50.1		134	72-132			Q2
Trichloroethylene	58.44	1.0	ug/L	50.1		117	71-135			

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CERTIFICATE OF ANALYSIS

11J1698

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1250 - EPA 5030B - EPA 8260D										
LCS (11J1250-BS1)										
Prepared: 10/21/25 00:00 Analyzed: 10/21/25 09:37										
1,2-Dichloropropane	62.21	1.0	ug/L	50.1		124	69-136			
Dibromomethane	52.26	1.0	ug/L	50.4		104	73-147			
Bromodichloromethane	58.79	1.0	ug/L	50.1		117	68-129			
cis-1,3-Dichloropropene	50.52	1.0	ug/L	50.1		101	65-134			
4-Methyl-2-pentanone (MIBK)	133.8	5.0	ug/L	100		134	58-147			
Toluene	57.18	1.0	ug/L	50.5		113	72-133			
trans-1,3-Dichloropropene	58.43	1.0	ug/L	50.1		117	67-130			
1,1,2-Trichloroethane	55.85	1.0	ug/L	50.1		111	69-135			
Tetrachloroethylene	53.51	1.0	ug/L	50.1		107	69-130			
2-Hexanone (MBK)	127.6	5.0	ug/L	100		128	55-144			
Dibromochloromethane	46.20	1.0	ug/L	50.1		92.3	73-127			
1,2-Dibromoethane	53.28	1.0	ug/L	50.2		106	67-132			
Chlorobenzene	52.53	1.0	ug/L	50.1		105	72-123			
1,1,1,2-Tetrachloroethane	50.18	1.0	ug/L	50.3		99.7	73-127			
Ethylbenzene	56.85	1.0	ug/L	50.2		113	71-127			
Xylenes, total	177.0	2.0	ug/L	151		117	74-127			
Styrene	54.83	1.0	ug/L	50.4		109	66-126			
Bromoform	53.04	1.0	ug/L	50.1		106	68-130			
1,2,3-Trichloropropane	55.19	1.0	ug/L	50.3		110	63-136			
trans-1,4-Dichloro-2-butene	119.9	5.0	ug/L	100		120	54-134			
1,1,2,2-Tetrachloroethane	54.48	1.0	ug/L	50.1		109	61-131			
1,4-Dichlorobenzene	51.90	1.0	ug/L	50.1		104	70-129			
1,2-Dichlorobenzene	51.40	1.0	ug/L	50.1		103	69-126			
1,2-Dibromo-3-chloropropane	44.95	5.0	ug/L	50.1		89.7	50-143			
Surrogate: Dibromofluoromethane	49.8		ug/L	50.2		99.2	57-128			
Surrogate: Dibromofluoromethane	49.8		ug/L	50.2		99.2	75-136			
Surrogate: 1,2-Dichloroethane-d4	59.8		ug/L	50.4		119	49-135			
Surrogate: 1,2-Dichloroethane-d4	59.8		ug/L	50.4		119	61-142			
Surrogate: Toluene-d8	51.7		ug/L	50.5		102	82-116			
Surrogate: Toluene-d8	51.7		ug/L	50.5		102	82-121			
Surrogate: 4-Bromofluorobenzene	56.2		ug/L	50.2		112	77-114			
Surrogate: 4-Bromofluorobenzene	56.2		ug/L	50.2		112	80-116			
LCS Dup (11J1250-BSD1)										
Prepared: 10/21/25 00:00 Analyzed: 10/21/25 10:00										
Chloromethane	33.96	1.0	ug/L	30.3		112	63-155	0.531	24	
Vinyl Chloride	60.91	1.0	ug/L	30.2		201	70-154	1.53	25	Q2
Bromomethane	26.00	1.0	ug/L	30.1		86.3	52-176	4.36	27	
Chloroethane	31.28	1.0	ug/L	30.3		103	72-148	2.17	25	
Trichlorofluoromethane	34.27	1.0	ug/L	30.3		113	70-152	1.74	26	
1,1-Dichloroethylene	67.75	1.0	ug/L	50.1		135	70-148	0.666	24	
Acetone	127.1	10.0	ug/L	100		127	43-172	0.979	30	
Methyl Iodide	120.1	1.0	ug/L	100		120	69-170	2.21	30	
Carbon Disulfide	116.6	1.0	ug/L	100		117	72-162	0.853	24	
Methylene Chloride	50.50	5.0	ug/L	50.1		101	68-142	1.79	21	

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CERTIFICATE OF ANALYSIS

11J1698

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1250 - EPA 5030B - EPA 8260D										
LCS Dup (11J1250-BSD1)				Prepared: 10/21/25 00:00 Analyzed: 10/21/25 10:00						
Acrylonitrile	62.22	5.0	ug/L	50.4		124	33-163	0.354	28	
trans-1,2-Dichloroethylene	66.13	1.0	ug/L	50.1		132	66-148	1.06	27	
1,1-Dichloroethane	65.21	1.0	ug/L	50.1		130	66-143	1.64	24	
Vinyl Acetate	148.2	5.0	ug/L	142		104	43-153	5.61	30	
cis-1,2-Dichloroethylene	56.16	1.0	ug/L	50.4		112	71-149	2.07	26	
2-Butanone (MEK)	126.9	10.0	ug/L	100		127	52-159	7.66	27	
Bromochloromethane	68.04	1.0	ug/L	50.4		135	69-143	2.87	23	
Chloroform	57.57	1.0	ug/L	50.1		115	69-144	0.0174	23	
1,1,1-Trichloroethane	59.01	1.0	ug/L	50.1		118	62-129	1.36	24	
Carbon Tetrachloride	60.74	1.0	ug/L	50.1		121	63-141	0.280	25	
Benzene	58.84	1.0	ug/L	50.4		117	71-134	0.187	24	
1,2-Dichloroethane	66.72	1.0	ug/L	50.1		133	72-132	0.821	24	Q2
Trichloroethylene	59.44	1.0	ug/L	50.1		119	71-135	1.70	24	
1,2-Dichloropropane	60.18	1.0	ug/L	50.1		120	69-136	3.32	24	
Dibromomethane	50.26	1.0	ug/L	50.4		99.8	73-147	3.90	25	
Bromodichloromethane	58.71	1.0	ug/L	50.1		117	68-129	0.136	22	
cis-1,3-Dichloropropene	50.47	1.0	ug/L	50.1		101	65-134	0.0990	23	
4-Methyl-2-pentanone (MIBK)	131.6	5.0	ug/L	100		132	58-147	1.68	27	
Toluene	57.66	1.0	ug/L	50.5		114	72-133	0.836	24	
trans-1,3-Dichloropropene	57.92	1.0	ug/L	50.1		116	67-130	0.877	24	
1,1,2-Trichloroethane	56.47	1.0	ug/L	50.1		113	69-135	1.10	23	
Tetrachloroethylene	53.58	1.0	ug/L	50.1		107	69-130	0.131	25	
2-Hexanone (MBK)	124.5	5.0	ug/L	100		125	55-144	2.43	25	
Dibromochloromethane	46.19	1.0	ug/L	50.1		92.3	73-127	0.0217	22	
1,2-Dibromoethane	51.96	1.0	ug/L	50.2		103	67-132	2.51	24	
Chlorobenzene	53.14	1.0	ug/L	50.1		106	72-123	1.15	23	
1,1,1,2-Tetrachloroethane	50.11	1.0	ug/L	50.3		99.5	73-127	0.140	24	
Ethylbenzene	56.69	1.0	ug/L	50.2		113	71-127	0.282	26	
Xylenes, total	178.1	2.0	ug/L	151		118	74-127	0.631	25	
Styrene	54.79	1.0	ug/L	50.4		109	66-126	0.0730	23	
Bromoform	51.73	1.0	ug/L	50.1		103	68-130	2.50	23	
1,2,3-Trichloropropane	54.32	1.0	ug/L	50.3		108	63-136	1.59	24	
trans-1,4-Dichloro-2-butene	114.7	5.0	ug/L	100		115	54-134	4.43	27	
1,1,2,2-Tetrachloroethane	54.52	1.0	ug/L	50.1		109	61-131	0.0734	29	
1,4-Dichlorobenzene	52.63	1.0	ug/L	50.1		105	70-129	1.40	24	
1,2-Dichlorobenzene	52.13	1.0	ug/L	50.1		104	69-126	1.41	26	
1,2-Dibromo-3-chloropropane	44.81	5.0	ug/L	50.1		89.4	50-143	0.312	30	
Surrogate: Dibromofluoromethane	49.2		ug/L	50.2		98.1	57-128			
Surrogate: Dibromofluoromethane	49.2		ug/L	50.2		98.1	75-136			
Surrogate: 1,2-Dichloroethane-d4	60.4		ug/L	50.4		120	49-135			
Surrogate: 1,2-Dichloroethane-d4	60.4		ug/L	50.4		120	61-142			
Surrogate: Toluene-d8	51.8		ug/L	50.5		103	82-116			
Surrogate: Toluene-d8	51.8		ug/L	50.5		103	82-121			

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CERTIFICATE OF ANALYSIS

11J1698

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1250 - EPA 5030B - EPA 8260D										
LCS Dup (11J1250-BSD1)				Prepared: 10/21/25 00:00 Analyzed: 10/21/25 10:00						
Surrogate: 4-Bromofluorobenzene	55.7		ug/L	50.2		111	77-114			
Surrogate: 4-Bromofluorobenzene	55.7		ug/L	50.2		111	80-116			
Matrix Spike (11J1250-MS1)				Source: 11J1698-03 Prepared: 10/21/25 00:00 Analyzed: 10/21/25 20:18						
Chloromethane	314.1	10.0	ug/L	303	ND	104	61-152			
Vinyl Chloride	564.7	10.0	ug/L	302	ND	187	66-149			M1
Bromomethane	551.1	10.0	ug/L	301	ND	183	43-171			M1
Chloroethane	615.6	10.0	ug/L	303	ND	203	69-148			M1
Trichlorofluoromethane	709.0	10.0	ug/L	303	ND	234	62-163			M1
1,1-Dichloroethylene	615.0	10.0	ug/L	501	ND	123	70-148			
Acetone	1454	100	ug/L	1000	ND	145	45-173			
Methyl Iodide	998.8	10.0	ug/L	1000	ND	99.9	62-167			
Carbon Disulfide	1060	10.0	ug/L	1000	ND	106	71-163			
Methylene Chloride	486.9	50.0	ug/L	501	ND	97.2	69-140			
Acrylonitrile	596.9	50.0	ug/L	504	ND	119	32-159			
trans-1,2-Dichloroethylene	615.8	10.0	ug/L	501	ND	123	69-144			
1,1-Dichloroethane	598.6	10.0	ug/L	501	ND	119	70-138			
Vinyl Acetate	1557	50.0	ug/L	1420	ND	109	58-142			
cis-1,2-Dichloroethylene	516.2	10.0	ug/L	504	ND	103	68-151			
2-Butanone (MEK)	1283	100	ug/L	1000	ND	128	50-160			
Bromochloromethane	631.1	10.0	ug/L	504	ND	125	65-143			
Chloroform	534.6	10.0	ug/L	501	ND	107	71-143			
1,1,1-Trichloroethane	545.3	10.0	ug/L	501	ND	109	63-133			
Carbon Tetrachloride	557.1	10.0	ug/L	501	ND	111	63-142			
Benzene	585.3	10.0	ug/L	504	ND	116	69-133			
1,2-Dichloroethane	663.3	10.0	ug/L	501	ND	132	63-138			
Trichloroethylene	587.0	10.0	ug/L	501	ND	117	71-133			
1,2-Dichloropropane	603.2	10.0	ug/L	501	ND	120	69-132			
Dibromomethane	510.7	10.0	ug/L	504	ND	101	70-147			
Bromodichloromethane	579.3	10.0	ug/L	501	ND	116	67-130			
cis-1,3-Dichloropropene	484.0	10.0	ug/L	501	ND	96.6	61-126			
4-Methyl-2-pentanone (MIBK)	1300	50.0	ug/L	1000	ND	130	55-147			
Toluene	586.3	10.0	ug/L	505	ND	116	71-133			
trans-1,3-Dichloropropene	561.6	10.0	ug/L	501	ND	112	63-124			
1,1,2-Trichloroethane	569.6	10.0	ug/L	501	ND	114	69-133			
Tetrachloroethylene	521.6	10.0	ug/L	501	ND	104	70-124			
2-Hexanone (MBK)	1298	50.0	ug/L	1000	ND	130	53-141			
Dibromochloromethane	459.6	10.0	ug/L	501	ND	91.8	74-122			
1,2-Dibromoethane	515.8	10.0	ug/L	502	ND	103	66-127			
Chlorobenzene	529.7	10.0	ug/L	501	ND	106	76-116			
1,1,1,2-Tetrachloroethane	495.7	10.0	ug/L	503	ND	98.5	77-121			
Ethylbenzene	566.7	10.0	ug/L	502	ND	113	73-124			
Xylenes, total	1766	20.0	ug/L	1510	ND	117	75-123			

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CERTIFICATE OF ANALYSIS

11J1698

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1250 - EPA 5030B - EPA 8260D										
Matrix Spike (11J1250-MS1)	Source: 11J1698-03			Prepared: 10/21/25 00:00 Analyzed: 10/21/25 20:18						
Styrene	547.6	10.0	ug/L	504	ND	109	70-120			
Bromoform	517.8	10.0	ug/L	501	ND	103	70-124			
1,2,3-Trichloropropane	539.5	10.0	ug/L	503	ND	107	62-135			
trans-1,4-Dichloro-2-butene	1154	50.0	ug/L	1000	ND	115	50-120			
1,1,2,2-Tetrachloroethane	544.4	10.0	ug/L	501	ND	109	63-126			
1,4-Dichlorobenzene	524.2	10.0	ug/L	501	ND	105	72-119			
1,2-Dichlorobenzene	512.4	10.0	ug/L	501	ND	102	71-117			
1,2-Dibromo-3-chloropropane	453.9	50.0	ug/L	501	ND	90.5	49-134			
Surrogate: Dibromofluoromethane	463		ug/L	502		92.3	57-128			
Surrogate: Dibromofluoromethane	463		ug/L	502		92.3	75-136			
Surrogate: 1,2-Dichloroethane-d4	563		ug/L	504		112	49-135			
Surrogate: 1,2-Dichloroethane-d4	563		ug/L	504		112	61-142			
Surrogate: Toluene-d8	520		ug/L	505		103	82-116			
Surrogate: Toluene-d8	520		ug/L	505		103	82-121			
Surrogate: 4-Bromofluorobenzene	571		ug/L	502		114	77-114			
Surrogate: 4-Bromofluorobenzene	571		ug/L	502		114	80-116			
Matrix Spike Dup (11J1250-MSD1)	Source: 11J1698-03			Prepared: 10/21/25 00:00 Analyzed: 10/21/25 20:40						
Chloromethane	358.8	10.0	ug/L	303	ND	118	61-152	13.3	26	
Vinyl Chloride	458.2	10.0	ug/L	302	ND	151	66-149	20.8	23	M1
Bromomethane	243.3	10.0	ug/L	301	ND	80.8	43-171	77.5	29	R1
Chloroethane	272.6	10.0	ug/L	303	ND	89.9	69-148	77.2	25	R1
Trichlorofluoromethane	313.3	10.0	ug/L	303	ND	103	62-163	77.4	25	R1
1,1-Dichloroethylene	625.2	10.0	ug/L	501	ND	125	70-148	1.64	22	
Acetone	1515	100	ug/L	1000	ND	151	45-173	4.12	30	
Methyl Iodide	1061	10.0	ug/L	1000	ND	106	62-167	6.01	24	
Carbon Disulfide	1058	10.0	ug/L	1000	ND	106	71-163	0.246	22	
Methylene Chloride	501.1	50.0	ug/L	501	ND	100	69-140	2.87	19	
Acrylonitrile	603.6	50.0	ug/L	504	ND	120	32-159	1.12	30	
trans-1,2-Dichloroethylene	624.9	10.0	ug/L	501	ND	125	69-144	1.47	22	
1,1-Dichloroethane	619.1	10.0	ug/L	501	ND	124	70-138	3.37	20	
Vinyl Acetate	1598	50.0	ug/L	1420	ND	112	58-142	2.59	24	
cis-1,2-Dichloroethylene	508.3	10.0	ug/L	504	ND	101	68-151	1.54	22	
2-Butanone (MEK)	1335	100	ug/L	1000	ND	134	50-160	4.01	23	
Bromochloromethane	654.2	10.0	ug/L	504	ND	130	65-143	3.59	22	
Chloroform	541.6	10.0	ug/L	501	ND	108	71-143	1.30	21	
1,1,1-Trichloroethane	551.8	10.0	ug/L	501	ND	110	63-133	1.18	23	
Carbon Tetrachloride	554.4	10.0	ug/L	501	ND	111	63-142	0.486	22	
Benzene	566.9	10.0	ug/L	504	ND	112	69-133	3.19	18	
1,2-Dichloroethane	650.5	10.0	ug/L	501	ND	130	63-138	1.95	20	
Trichloroethylene	560.1	10.0	ug/L	501	ND	112	71-133	4.69	23	
1,2-Dichloropropane	578.6	10.0	ug/L	501	ND	116	69-132	4.16	20	
Dibromomethane	487.2	10.0	ug/L	504	ND	96.7	70-147	4.71	22	
Bromodichloromethane	562.3	10.0	ug/L	501	ND	112	67-130	2.98	21	

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CERTIFICATE OF ANALYSIS

11J1698

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1250 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (11J1250-MSD1) Source: 11J1698-03 Prepared: 10/21/25 00:00 Analyzed: 10/21/25 20:40										
cis-1,3-Dichloropropene	459.9	10.0	ug/L	501	ND	91.8	61-126	5.11	21	
4-Methyl-2-pentanone (MIBK)	1264	50.0	ug/L	1000	ND	126	55-147	2.77	23	
Toluene	550.9	10.0	ug/L	505	ND	109	71-133	6.23	19	
trans-1,3-Dichloropropene	532.3	10.0	ug/L	501	ND	106	63-124	5.36	21	
1,1,2-Trichloroethane	548.4	10.0	ug/L	501	ND	109	69-133	3.79	19	
Tetrachloroethylene	509.2	10.0	ug/L	501	ND	102	70-124	2.41	24	
2-Hexanone (MBK)	1247	50.0	ug/L	1000	ND	125	53-141	3.98	24	
Dibromochloromethane	448.3	10.0	ug/L	501	ND	89.5	74-122	2.49	21	
1,2-Dibromoethane	507.0	10.0	ug/L	502	ND	101	66-127	1.72	23	
Chlorobenzene	501.7	10.0	ug/L	501	ND	100	76-116	5.43	21	
1,1,1,2-Tetrachloroethane	485.4	10.0	ug/L	503	ND	96.4	77-121	2.10	25	
Ethylbenzene	536.0	10.0	ug/L	502	ND	107	73-124	5.57	20	
Xylenes, total	1688	20.0	ug/L	1510	ND	112	75-123	4.49	20	
Styrene	523.8	10.0	ug/L	504	ND	104	70-120	4.44	23	
Bromoform	501.0	10.0	ug/L	501	ND	100	70-124	3.30	22	
1,2,3-Trichloropropane	519.4	10.0	ug/L	503	ND	103	62-135	3.80	28	
trans-1,4-Dichloro-2-butene	1122	50.0	ug/L	1000	ND	112	50-120	2.77	26	
1,1,2,2-Tetrachloroethane	548.3	10.0	ug/L	501	ND	109	63-126	0.714	24	
1,4-Dichlorobenzene	519.3	10.0	ug/L	501	ND	104	72-119	0.939	24	
1,2-Dichlorobenzene	498.9	10.0	ug/L	501	ND	99.6	71-117	2.67	24	
1,2-Dibromo-3-chloropropane	448.5	50.0	ug/L	501	ND	89.5	49-134	1.20	28	
Surrogate: Dibromofluoromethane	486		ug/L	502		96.8	57-128			
Surrogate: Dibromofluoromethane	486		ug/L	502		96.8	75-136			
Surrogate: 1,2-Dichloroethane-d4	592		ug/L	504		118	49-135			
Surrogate: 1,2-Dichloroethane-d4	592		ug/L	504		118	61-142			
Surrogate: Toluene-d8	513		ug/L	505		102	82-116			
Surrogate: Toluene-d8	513		ug/L	505		102	82-121			
Surrogate: 4-Bromofluorobenzene	558		ug/L	502		111	77-114			
Surrogate: 4-Bromofluorobenzene	558		ug/L	502		111	80-116			
Batch 11J1335 - EPA 5030B - EPA 8260D										
Blank (11J1335-BLK1) Prepared: 10/22/25 00:00 Analyzed: 10/22/25 10:40										
Vinyl Chloride	<1.0	1.0	ug/L							
Surrogate: Dibromofluoromethane	47.4		ug/L	50.2		94.4	75-136			
Surrogate: 1,2-Dichloroethane-d4	58.2		ug/L	50.4		116	61-142			
Surrogate: Toluene-d8	50.4		ug/L	50.5		99.8	82-121			
Surrogate: 4-Bromofluorobenzene	51.4		ug/L	50.2		103	80-116			
LCS (11J1335-BS1) Prepared: 10/22/25 00:00 Analyzed: 10/22/25 09:32										
Vinyl Chloride	25.94	1.0	ug/L	30.2		85.8	70-154			
Surrogate: Dibromofluoromethane	46.4		ug/L	50.2		92.4	75-136			
Surrogate: 1,2-Dichloroethane-d4	58.0		ug/L	50.4		115	61-142			

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1335 - EPA 5030B - EPA 8260D										
LCS (11J1335-BS1)				Prepared: 10/22/25 00:00 Analyzed: 10/22/25 09:32						
Surrogate: Toluene-d8	52.1		ug/L	50.5		103	82-121			
Surrogate: 4-Bromofluorobenzene	56.7		ug/L	50.2		113	80-116			
LCS Dup (11J1335-BS1)				Prepared: 10/22/25 00:00 Analyzed: 10/22/25 09:55						
Vinyl Chloride	25.15	1.0	ug/L	30.2		83.1	70-154	3.09	25	
Surrogate: Dibromofluoromethane	47.4		ug/L	50.2		94.5	75-136			
Surrogate: 1,2-Dichloroethane-d4	57.7		ug/L	50.4		115	61-142			
Surrogate: Toluene-d8	52.1		ug/L	50.5		103	82-121			
Surrogate: 4-Bromofluorobenzene	57.8		ug/L	50.2		115	80-116			
Matrix Spike (11J1335-MS1)				Source: 31J0086-07		Prepared: 10/22/25 00:00 Analyzed: 10/22/25 19:03				
Vinyl Chloride	538.9	10.0	ug/L	302	ND	178	66-149			M1
Surrogate: Dibromofluoromethane	483		ug/L	502		96.2	75-136			
Surrogate: 1,2-Dichloroethane-d4	584		ug/L	504		116	61-142			
Surrogate: Toluene-d8	534		ug/L	505		106	82-121			
Surrogate: 4-Bromofluorobenzene	574		ug/L	502		114	80-116			
Matrix Spike Dup (11J1335-MSD1)				Source: 31J0086-07		Prepared: 10/22/25 00:00 Analyzed: 10/22/25 19:26				
Vinyl Chloride	516.8	10.0	ug/L	302	ND	171	66-149	4.19	23	M1
Surrogate: Dibromofluoromethane	467		ug/L	502		93.1	75-136			
Surrogate: 1,2-Dichloroethane-d4	582		ug/L	504		116	61-142			
Surrogate: Toluene-d8	533		ug/L	505		106	82-121			
Surrogate: 4-Bromofluorobenzene	572		ug/L	502		114	80-116			
Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1122 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (11J1122-BLK1)				Prepared: 10/20/25 09:25 Analyzed: 10/20/25 20:27						
Arsenic	<0.0020	0.0020	mg/L							
LCS (11J1122-BS1)				Prepared: 10/20/25 09:25 Analyzed: 10/20/25 20:35						
Arsenic	0.0984	0.0020	mg/L	0.100		98.4	80-120			
Matrix Spike (11J1122-MS1)				Source: 11J1462-01		Prepared: 10/20/25 09:25 Analyzed: 10/20/25 20:43				
Arsenic	0.105	0.0020	mg/L	0.100	ND	105	75-125			
Matrix Spike Dup (11J1122-MSD1)				Source: 11J1462-01		Prepared: 10/20/25 09:25 Analyzed: 10/20/25 20:45				
Arsenic	0.104	0.0020	mg/L	0.100	ND	104	75-125	0.170	20	
Post Spike (11J1122-PS1)				Source: 11J1462-01		Prepared: 10/20/25 09:25 Analyzed: 10/20/25 20:48				
Arsenic	0.0179		mg/L	0.0200	0.0004	87.7	80-120			
Batch 11J1174 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (11J1174-BLK1)				Prepared: 10/20/25 16:29 Analyzed: 10/21/25 17:01						
Antimony	<0.0010	0.0010	mg/L							

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Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1174 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1IJ1174-BLK1)				Prepared: 10/20/25 16:29 Analyzed: 10/21/25 17:01						
Arsenic	<0.0020	0.0020	mg/L							
Barium	<0.0010	0.0010	mg/L							
Beryllium	<0.0005	0.0005	mg/L							
Cadmium	<0.0002	0.0002	mg/L							
Chromium	<0.0010	0.0010	mg/L							
Cobalt	<0.0005	0.0005	mg/L							
Copper	<0.0050	0.0050	mg/L							
Lead	<0.0010	0.0010	mg/L							
Nickel	<0.0050	0.0050	mg/L							
Selenium	<0.0020	0.0020	mg/L							
Silver	<0.0050	0.0050	mg/L							
Thallium	<0.0005	0.0005	mg/L							
Vanadium	<0.0020	0.0020	mg/L							
Zinc	<0.0050	0.0050	mg/L							
LCS (1IJ1174-BS1)				Prepared: 10/20/25 16:29 Analyzed: 10/21/25 17:03						
Antimony	0.119	0.0010	mg/L	0.100		119	80-120			
Arsenic	0.108	0.0020	mg/L	0.100		108	80-120			
Barium	0.119	0.0010	mg/L	0.100		119	80-120			
Beryllium	0.107	0.0005	mg/L	0.100		107	80-120			
Cadmium	0.111	0.0002	mg/L	0.100		111	80-120			
Chromium	0.115	0.0010	mg/L	0.100		115	80-120			
Cobalt	0.120	0.0005	mg/L	0.100		120	80-120			
Copper	0.111	0.0050	mg/L	0.100		111	80-120			
Lead	0.112	0.0010	mg/L	0.100		112	80-120			
Nickel	0.110	0.0050	mg/L	0.100		110	80-120			
Selenium	0.1100	0.0020	mg/L	0.100		110	80-120			
Silver	0.115	0.0050	mg/L	0.100		115	80-120			
Thallium	0.112	0.0005	mg/L	0.100		112	80-120			
Vanadium	0.117	0.0020	mg/L	0.100		117	80-120			
Zinc	0.113	0.0050	mg/L	0.100		113	80-120			
Matrix Spike (1IJ1174-MS1)				Source: 1IJ1698-01		Prepared: 10/20/25 16:29 Analyzed: 10/21/25 17:08				
Antimony	0.124	0.0010	mg/L	0.100	0.0007	124	75-125			
Arsenic	0.108	0.0020	mg/L	0.100	0.0014	107	75-125			
Barium	0.460	0.0010	mg/L	0.100	0.299	161	75-125			M6
Beryllium	0.107	0.0005	mg/L	0.100	ND	107	75-125			
Cadmium	0.110	0.0002	mg/L	0.100	ND	110	75-125			
Chromium	0.115	0.0010	mg/L	0.100	0.0010	114	75-125			
Cobalt	0.114	0.0005	mg/L	0.100	0.0014	113	75-125			
Copper	0.104	0.0050	mg/L	0.100	ND	104	75-125			
Lead	0.113	0.0010	mg/L	0.100	ND	113	75-125			
Nickel	0.106	0.0050	mg/L	0.100	0.0033	103	75-125			
Selenium	0.1069	0.0020	mg/L	0.100	ND	107	75-125			
Silver	0.115	0.0050	mg/L	0.100	ND	115	75-125			

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Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1174 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Matrix Spike (1IJ1174-MS1)		Source: 1IJ1698-01		Prepared: 10/20/25 16:29 Analyzed: 10/21/25 17:08						
Thallium	0.114	0.0005	mg/L	0.100	0.00007	114	75-125			
Vanadium	0.125	0.0020	mg/L	0.100	0.0004	124	75-125			
Zinc	0.117	0.0050	mg/L	0.100	0.0050	112	75-125			
Matrix Spike Dup (1IJ1174-MSD1)		Source: 1IJ1698-01		Prepared: 10/20/25 16:29 Analyzed: 10/21/25 17:11						
Antimony	0.114	0.0010	mg/L	0.100	0.0007	113	75-125	8.69	20	
Arsenic	0.101	0.0020	mg/L	0.100	0.0014	99.7	75-125	6.48	20	
Barium	0.422	0.0010	mg/L	0.100	0.299	123	75-125	8.56	20	
Beryllium	0.0993	0.0005	mg/L	0.100	ND	99.3	75-125	7.11	20	
Cadmium	0.101	0.0002	mg/L	0.100	ND	101	75-125	8.67	20	
Chromium	0.105	0.0010	mg/L	0.100	0.0010	104	75-125	9.15	20	
Cobalt	0.108	0.0005	mg/L	0.100	0.0014	107	75-125	5.64	20	
Copper	0.0972	0.0050	mg/L	0.100	ND	97.2	75-125	6.85	20	
Lead	0.104	0.0010	mg/L	0.100	ND	104	75-125	8.28	20	
Nickel	0.0999	0.0050	mg/L	0.100	0.0033	96.6	75-125	5.99	20	
Selenium	0.0997	0.0020	mg/L	0.100	ND	99.7	75-125	6.98	20	
Silver	0.108	0.0050	mg/L	0.100	ND	108	75-125	6.26	20	
Thallium	0.107	0.0005	mg/L	0.100	0.00007	107	75-125	6.35	20	
Vanadium	0.114	0.0020	mg/L	0.100	0.0004	113	75-125	9.37	20	
Zinc	0.106	0.0050	mg/L	0.100	0.0050	101	75-125	9.66	20	
Post Spike (1IJ1174-PS1)		Source: 1IJ1698-01		Prepared: 10/20/25 16:29 Analyzed: 10/21/25 17:13						
Antimony	0.0241		mg/L	0.0200	0.0007	117	80-120			
Arsenic	0.0228		mg/L	0.0200	0.0014	107	80-120			
Barium	0.307		mg/L	0.0200	0.299	36.2	80-120			M2
Beryllium	0.0206		mg/L	0.0200	0.000009	103	80-120			
Cadmium	0.0206		mg/L	0.0200	0.000003	103	80-120			
Chromium	0.0219		mg/L	0.0200	0.0010	104	80-120			
Cobalt	0.0214		mg/L	0.0200	0.0014	99.6	80-120			
Copper	0.0210		mg/L	0.0200	0.0013	98.5	80-120			
Lead	0.0215		mg/L	0.0200	0.00009	107	80-120			
Nickel	0.0229		mg/L	0.0200	0.0033	98.1	80-120			
Selenium	0.0213		mg/L	0.0200	0.0002	106	80-120			
Silver	0.0229		mg/L	0.0200	0.0003	113	80-120			
Thallium	0.0214		mg/L	0.0200	0.00007	107	80-120			
Vanadium	0.0219		mg/L	0.0200	0.0004	107	80-120			
Zinc	0.0258		mg/L	0.0200	0.0050	104	80-120			

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CERTIFICATE OF ANALYSIS

1IJ1698

Definitions

M1:	Matrix spike recovery is above acceptance limits.
M2:	Matrix spike recovery is below acceptance limits.
M6:	Matrix spike recovery is outside of acceptance limits. The analyte concentration is greater than 4X the spiking level.
Q2:	LCS recovery is above acceptance limits.
R1:	Duplicate RPD is outside acceptance criteria.
RL:	Reporting Limit
RPD:	Relative Percent Difference
S1:	Surrogate recovery is above acceptance limits.
S2:	Surrogate recovery is below acceptance limits.

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 5.4°C

Cooler Inspection Checklist

Custody Seals	No	Containers Intact	Yes
COC/Labels Agree	Yes	Preservation Confirmed	No
Received On Ice	Yes		

Report Comments

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. **The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.**

Reviewed and Approved By:

Heather Murphy

Customer Relationship Specialist
heather.murphy@microbac.com
10/27/25 16:49

CHAIN OF CUSTODY RECORD



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Newton, IA 50208
Phone: 641-792-8451

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SITE INFORMATION

Sampler: TODD WHIPPLEProject: **RIWMA Sanitary Lndfl - New Regs**
6006

SPECIAL INSTRUCTIONS

None

Turn Around Time

☐ Standard ☐ RUSH, need by ___/___/___

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

~~Harm Jass~~ CLINT REENTS
Rural Iowa Waste Mgt. Association
20488 M Avenue
Eldora, IA 50627

LAB USE ONLY



1 I J 1 6 9 8

HLW Engineering
PM: Heather MurphyTemperature: 5.4 °C ✓ ice

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
01-001	MW-36 (B)	Aqueous	GRAB	10/16/25	14:17	7	Indfil-app1-metals-6020dfill-app1-voc-group	01
02-001	MW-37 (B)	Aqueous	GRAB	10/16/25	14:26	7	Indfil-app1-metals-6020dfill-app1-voc-group	02
03-001	MW-39 (B)	Aqueous	GRAB	10/16/25	14:40	7	Indfil-app1-metals-6020dfill-app1-voc-group	03
04-001	MW-40 (B)	Aqueous	GRAB	10/16/25	13:55	7	Indfil-app1-metals-6020dfill-app1-voc-group	04
05-001	MW-47 (B)	Aqueous	GRAB	10/16/25	12:24	7	Indfil-app1-metals-6020dfill-app1-voc-group	05
06-001	MW-48A	Aqueous	GRAB	10/16/25	12:08	7	Indfil-app1-metals-6020dfill-app1-voc-group	06
07-001	MW-49A	Aqueous	GRAB	10/16/25	11:35	7	Indfil-app1-metals-6020dfill-app1-voc-group	07
08-001	MW-50	Aqueous	GRAB	10/16/25	12:45	7	Indfil-app1-metals-6020dfill-app1-voc-group	08
09-001	MW-51	Aqueous	GRAB	10/16/25	11:50	7	Indfil-app1-metals-6020dfill-app1-voc-group	09
10-001	MW-7	Aqueous	GRAB	10/16/25	10:15	7	Indfil-app1-metals-6020dfill-app1-voc-group	10

Relinquished By

Date/Time

Relinquished By

Date/Time

Received By

Date/Time

Received for Lab By

Date/Time

Remarks:

CHAIN OF CUSTODY RECORD



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Newton, IA 50208
Phone: 641-792-8451

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Printed: 9/23/2025 11:36:01AM

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SITE INFORMATION

Sampler: Todd WhippleProject: **RIWMA Sanitary Lndfl - New Regs**
6006

SPECIAL INSTRUCTIONS

None

Turn Around Time

☐ Standard ☐ RUSH, need by ___/___/___

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

LAB USE ONLY



1 I J 1 6 9 8

HLW Engineering
PM: Heather Murphy

INVOICE TO

~~Harm Jass~~ CLINT REENTS
Rural Iowa Waste Mgt. Association
20488 M Avenue
Eldora, IA 50627Temperature: 5.4 °C ✓ ice

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
11-001	MW-9	Aqueous	GRAB	10/16/25	11:06	7	Indfll-app1-metals-6020dfill-app1-voc-group	11
12-001	MW-13R	Aqueous	GRAB	10/16/25	14:56	7	Indfll-app1-metals-6020dfill-app1-voc-group	12
13-001	MW-14	Aqueous	GRAB	10/16/25	15:23	7	Indfll-app1-metals-6020dfill-app1-voc-group	13
14-001	MW-29	Aqueous	GRAB	10/16/25	8:17	7	Indfll-app1-metals-6020dfill-app1-voc-group	14
15-001	MW-31R No Sample	Aqueous	GRAB	—	—	—	Indfll-app1-metals-6020dfill-app1-voc-group	
16-001	MW-33	Aqueous	GRAB	10/16/25	10:52	7	Indfll-app1-metals-6020dfill-app1-voc-group	15
17-001	MW-35R	Aqueous	GRAB	10/16/25	8:35	7	Indfll-app1-metals-6020dfill-app1-voc-group	16
18-001	MW-211 No Sample	Aqueous	GRAB	—	—	—	Indfll-app1-metals-6020dfill-app1-voc-group	
19-001	GU-1 No Sample	Aqueous	GRAB	—	—	—	Indfll-app1-metals-6020dfill-app1-voc-group	
20-001	GU-2 No Sample	Aqueous	GRAB	—	—	—	Indfll-app1-metals-6020dfill-app1-voc-group	

Relinquished By

Date/Time

Relinquished By

Date/Time

Received By

Date/Time

Received for Lab By

Date/Time

Remarks:

CHAIN OF CUSTODY RECORD



600 East 17th Street South
Newton, IA 50208
Phone: 641-792-8451

Page 3 of 3

Printed: 9/23/2025 11:36:01AM

Page 61 of 61

SITE INFORMATION

Sampler: _____

Project: RIWMA Sanitary Lndfl - New Regs
6006

SPECIAL INSTRUCTIONS

None

Turn Around Time

☐ Standard ☐ RUSH, need by ___/___/___

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

~~Harm Jass~~ CLINT REENTS
Rural Iowa Waste Mgt. Association
20488 M Avenue
Eldora, IA 50627

LAB USE ONLY



HLW Engineering
PM: Heather Murphy

Temperature: 5.4 °C Vice

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
21-001	GU-3	Aqueous	GRAB	10/16/25	12:35	7	Indfil-app1-metals-6020dfill-app1-voc-group	17
22-001	Tile ACM-1	Aqueous	GRAB	10/16/25	8:02	7	Indfil-app1-metals-6020dfill-app1-voc-group	18
23-001	PECS-1 <u>DRY</u>	Aqueous	GRAB	—	—	<u>0</u>	Indfil-app1-voc-group	
24-001	MW-7A North	Aqueous	GRAB	10/16/25	10:37	1	as-t-6020	19
25-001	MW-7B Northwest	Aqueous	GRAB	10/16/25	10:30	1	as-t-6020	20
26-001	Field Duplicate	Aqueous	GRAB	10/16/25	✓	1	Indfil-app1-metals-6020dfill-app1-voc-group	21

Relinquished By

Date/Time

Relinquished By

Date/Time

Remarks:

Received By

Date/Time

Received for Lab By

Date/Time

Todd Whipple 10/17/25

Starie Smith

10.17.25 1100

Appendix D

Turbidity Summary

RIMWA (Rural Iowa) Sanitary Landfill

Field Turbidity Over Time

No-Purge Sampling

	10/23/14	1/8/15	3/31/15	7/8/15	11/5/15	4/21/16	10/17/16	1/9/17	4/21/17
<u>Well</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>
7	5.38		7.19		3.25	18.50	2.79		16.70
7A						3.73	6.80		1.26
7B						1000.00	73.30	183.00	12.20
9	1.51		4.75		8.26	1.50	1.16		10.70
13R	3.89		6.42		42.50	98.00	5.95		12.80
14	0.91		13.04		3.25	4.54	7.16	69.60	9.81
29	2		0.12		0.45	2.61	1.35		0.71
33	2.56		1.67		0.67	1.29	0.72		1.12
35R							5.80	4.34	1.07
36				27.90		8.04	3.09		35.70
37	1.23	2.92	0.67	1.11	0.34	1.55	10.30		0.70
39	1.6	3.29	0.41	0.62	2.44	1.42	2.28		0.49
40	2.18	2.54	0.85	1.55	0.79	2.29	1.10		2.64
47	14.4		67.72	153.00	22.40	820.00	186.00		383.00
48A	426		11.01		55.80	6.98	7.95		15.60
49A	1.62		0.87		1.85	32.10	4.44	6.64	4.08
50	1.04		15.33		3.77	11.80	1.57		6.61
51	5.39	70.00	90.25		33.00	233.00	5.59		481.00
Tile ACM-1									
PECS-1									
GU-3						2.65	1.02		1.13
Max	426.00	70.00	90.25	153.00	55.80	1000.00	186.00	183.00	481.00
Min	0.91	2.54	0.12	0.62	0.34	1.29	0.72	4.34	0.49
Median	2.09	3.11	4.47	1.55	3.51	5.76	4.33	38.12	9.81
Average	29.67	19.69	14.17	36.84	12.31	113.89	15.98	65.90	51.59

RIMWA (Rur

Field Turbidity C

No-Purge Sa

	7/12/17	10/16/17	1/12/18	4/24/18	7/5/18	10/25/18	4/15/19	10/7/19	4/22/20	7/10/20	10/1/20
<u>Well</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>
7		0.32		0.80		2.01	3.68	1.79	3.22		1.51
7A		0.82		2.89		0.82	1.02	1.75	1.84		1.50
7B		24.73		30.89		6.43	47.37	35.45	50.30		73.81
9		3.99		18.21		1.57	2.13	1.69	212.00		19.84
13R		1.80		21.78		7.56	30.50	2.41	70.00		3.38
14	1.45	93.27	27.95	10.55		7.57	9.26	2.27	7.68		14.23
29		1.63		0.75	1.72	1.44	0.83	1.13	4.45		12.86
33		0.50		0.51		0.49	1.44	1.01	1.61		3.46
35R		1.13		1.75		2.84	1.07	1.39	2.87		1.26
36		7.18		63.51		4.08	2.12	3.66	79.70		2.10
37		0.15		0.46		0.82	0.71	0.74	0.96		1.41
39		0.16		1.06		0.38	0.87	0.78	3.83		1.15
40		0.45		0.75		1.92	1.38	0.94	0.76		2.71
47		128.00		682.10		25.32	75.75	7.72	548.00		6.80
48A		23.29		664.00		4.07	10.98	39.26	40.60		116.70
49A		0.37		8.67		0.87	30.17	1.39	6.95		1.21
50		1.77	18.98	2.20	6.02	1.83	2.70	1.41	4.55		1.16
51	4.70	0.88		224.20	6.56	8.88	131.30	20.74	311.00	18.60	4.67
Tile ACM-1						1.33	5.56	13.03	43.70		
PECS-1							1.75	1.77			
GU-3		9.95			1.77	9.47	1.55	1.17	4.90		0.90
Max	4.70	128.00	27.95	682.10	6.56	25.32	131.30	39.26	548.00	18.60	116.70
Min	1.45	0.15	18.98	0.46	1.72	0.38	0.71	0.74	0.76	18.60	0.90
Median	3.08	1.63	23.47	9.61	3.90	2.43	2.70	1.75	7.32	18.60	3.38
Average	3.08	14.63	23.47	92.93	4.02	5.25	18.96	7.45	84.22	18.60	13.63

RIMWA (Rur

Field Turbidity C

No-Purge Sa

	4/8/21	7/1/21	10/29/21	1/2/22	4/25/22	10/17/22	4/10/23	10/27/23	4/2/24	10/10/24
Well	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU
7	11.45		2.69		23.43	9.68	111.00	7.13	88.52	5.68
7A	12.05		4.08		5.78	5.54	4.55	1.90	8.52	2.26
7B	145.00		16.31		138.90	19.49	59.10	423.40	46.04	597.80
9	8.81		25.52		6.79	1.44	111.00	2.70	3.33	3.33
13R	23.80		2.73		68.60	1.68	38.90	4.80	7.30	3.41
14	79.88		1.48		28.77	2.23	124.00	7.23	3.44	2.80
29	1.77		1.26		1.64	3.09	4.98		4.44	3.01
33	1.57		1.36		1.27	1.11	0.93	4.49	2.63	2.40
35R	1.53		12.67		2.33	4.62	9.99	10.05	17.09	
36	1.11		2.42		202.90	12.52	5.64	2.60	2.79	69.31
37	1.19		1.14		1.79	5.00	4.63	84.67	2.69	4.14
39	1.46		1.33		1.32	0.99	1.42	1.76	1.96	2.24
40	1.54		15.97		6.17	7.24	7.45	5.88	1.69	4.27
47	129.40		7.88		114.90	24.04	78.40	8.44	42.52	37.81
48A	49.74		37.58		458.90	242.30	1000.00	74.53	33.33	50.95
49A	3.21		12.66		2.13	1.29	32.60	6.47	4.31	2.90
50	4.99		2.90		2.15	2.50	10.40	2.65	4.30	2.47
51	130.50		6.11	71.30	94.80	13.01	206.00	13.11	91.72	57.97
Tile ACM-1			6.20		3.40				2.74	
PECS-1	2.27				1.01				2.15	
GU-3	1.02	12.20	2.05		1.24		22.50	1.49	1.33	6.27
Max	145.00	12.20	37.58	71.30	458.90	242.30	1000.00	423.40	91.72	597.80
Min	1.02	12.20	1.14	71.30	1.01	0.99	0.93	1.49	1.33	2.24
Median	6.90	12.20	3.28	71.30	6.17	4.81	20.20	6.80	4.05	3.78
Average	29.84	12.20	7.72	71.30	59.93	18.59	89.00	34.39	16.56	43.84

RIMWA (Rur

Field Turbidity C

No-Purge Sa

	4/15/25	9/16/25	Max	Min	Ave	Std Dev
<u>Well</u>	<u>NTU</u>	<u>NTU</u>				
7	63.00	14.43	111.00	0.32	17.57	29.27
7A	9.14	2.12	12.05	0.82	3.92	3.16
7B	220.00	295.80	1000.00	6.43	166.63	243.73
9	9.21	1.31	212.00	1.16	20.03	47.62
13R	34.80	2.15	98.00	1.68	21.53	26.53
14	272.00	26.43	272.00	0.91	31.95	58.65
29	1.99	2.35	12.86	0.12	2.46	2.61
33	1.19	9.23	9.23	0.49	1.88	1.88
35R	9.95	6.77	17.09	1.07	5.19	4.69
36	33.00	1.44	202.90	1.11	27.18	47.10
37	9.22	2.08	84.67	0.15	5.62	16.67
39	0.96	1.68	3.83	0.16	1.44	0.88
40	7.62	4.43	15.97	0.45	3.40	3.48
47	131.00	39.75	820.00	6.80	155.60	223.47
48A	9.22	26.83	1000.00	4.07	148.07	254.28
49A	9.84	1.76	32.60	0.37	7.43	9.86
50	2.13	1.99	18.98	1.04	4.69	4.64
51	65.40	37.96	481.00	0.88	87.06	112.91
Tile ACM-1	34.80	109.50	109.50	1.33	24.47	35.32
PECS-1			2.27	1.01	1.79	0.49
GU-3	1.88	15.72	22.50	0.90	5.01	6.00
Max	272.00	295.80				
Min	0.96	1.31				
Median	9.53	5.60				
Average	46.32	30.19				

Appendix E

Running Summary of Prediction Limit Exceedances

Spring 2013		Fall 2013	
MW-47	arsenic	MW-47	arsenic
MW-49A	nickel	MW-49A	benzene
	chromium		chloroethane
	lead		vinyl chloride
	chloroethane		
MW-7	arsenic	MW-7	arsenic
	1,1-dichloroethane		chloroethane
	benzene		
	chloroethane		
	cis-1,2-dichloroethene		
MW-13R	barium	MW-13R	arsenic
	benzene		nickel
	chlorobenzene		1,1-dichloroethane
	cis-1,2-dichloroethene		benzene
	trans-1,2-dichloroethene		chlorobenzene
			cis-1,2-dichloroethene
			toluene
			trans-1,2-dichloroethene
MW-14	nickel	MW-14	nickel
	1,1-dichloroethane		1,1-dichloroethane
	1,4-dichlorobenzene		1,4-dichlorobenzene
	benzene		benzene
	chloroethane		chloroethane
	cis-1,2-dichloroethene		cis-1,2-dichloroethene
	vinyl chloride		
MW-211	1,1-dichloroethane	MW-211	1,1-dichloroethane
	benzene		chlorobenzene
	chlorobenzene		cis-1,2-dichloroethene
	chloroethane		
	cis-1,2-dichloroethene		
MW-31R	1,1-dichloroethane	MW-31R	1,1-dichloroethane
	benzene		1,4-dichlorobenzene
	chloroethane		benzene
	cis-1,2-dichloroethene		chloroethane
	trans-1,2-dichloroethene		cis-1,2-dichloroethene
	vinyl chloride		trans-1,2-dichloroethene
	bis(2-ethylhexyl)phthalate		vinyl chloride
	dichlorodifluoromethane		
MW-35	1,1-dichloroethane	MW-35	1,1-dichloroethane

Spring 2014		Fall 2014	
MW-47	arsenic	MW-47	arsenic
MW-48A	arsenic	MW-48A	arsenic
MW-49A	arsenic	MW-49A	arsenic
	cobalt		barium
	copper		benzene
	nickel		chloroethane
	benzene		vinyl chloride
	chloroethane		
	vinyl chloride		
MW-50*	None	MW-50*	barium
MW-51*	None	MW-51*	barium
MW-7	arsenic	MW-7	arsenic
	chloroethane		barium
	cis-1,2-dichloroethene		chloroethane
MW-13R	arsenic	MW-13R	arsenic
	barium		barium
	cobalt		cobalt
	nickel		1,2-dichloropropene
	acetone		benzene
	benzene		chlorobenzene
	chlorobenzene		cis-1,2-dichloroethene
	cis-1,2-dichloroethene		trans-1,2-dichloroethene
	toluene		vinyl chloride
	trans-1,2-dichloroethene		
	vinyl chloride		
MW-14	cobalt	MW-14	arsenic
	nickel		barium
	1,1-dichloroethane		cobalt
	1,4-dichlorobenzene		1,1-dichloroethane
	benzene		1,4-dichlorobenzene
	chloroethane		benzene
	cis-1,2-dichloroethene		chloroethane
	vinyl chloride		cis-1,2-dichloroethene
MW-211	1,1-dichloroethane	MW-211	arsenic
	chlorobenzene		cobalt
	chloroethane		benzene
	cis-1,2-dichloroethene		chlorobenzene
			chloroethane
			cis-1,2-dichloroethene
MW-31R	barium	MW-31R	barium
	1,1-dichloroethane		1,1-dichloroethane
	benzene		benzene
	chlorobenzene		chloroethane
	chloroethane		cis-1,2-dichloroethene
	cis-1,2-dichloroethene		trans-1,2-dichloroethene
	trans-1,2-dichloroethene		vinyl chloride
	vinyl chloride		bis(2-ethylhexyl)phthalate
	dichlorodifluoromethane		dichlorodifluoromethane
MW-35	1,1-dichloroethane	MW-35	1,1-dichloroethane
			barium

Spring 2015		Fall 2015	
MW-48A	arsenic	MW-48A	None
MW-49A	arsenic	MW-49A	cobalt
	barium		benzene
	cobalt		chloroethane
	benzene		cis-1,2-dichloroethene
	chloroethane		
	vinyl chloride		
	dichlorodifluoromethane		
MW-50	barium	MW-50	None
MW-51	barium	MW-51	None
MW-7	arsenic	MW-7	arsenic
			chloroethane
MW-13R	arsenic	MW-13R	1,2-dichloropropene
	barium		1,4-dichlorobenzene
	cobalt		benzene
	nickel		chlorobenzene
	benzene		cis-1,2-dichloroethene
	chlorobenzene		toluene
	cis-1,2-dichloroethene		trans-1,2-dichloroethene
	vinyl chloride		vinyl chloride
MW-14	barium	MW-14	barium
	cobalt		cobalt
	1,1-dichloroethane		1,1-dichloroethane
	1,4-dichlorobenzene		1,4-dichlorobenzene
			chloroethane
			cis-1,2-dichloroethene
MW-211	arsenic	MW-211	cobalt
	cobalt		chlorobenzene
	nickel		chloroethane
	chloroethane		cis-1,2-dichloroethene
	cis-1,2-dichloroethene		
MW-31R	barium	MW-31R	barium
	1,1-dichloroethane		1,1-dichloroethane
	benzene		1,4-dichlorobenzene
	chlorobenzene		benzene
	cis-1,2-dichloroethene		chlorobenzene
	trans-1,2-dichloroethene		chloroethane
	cis-1,2-dichloroethene		cis-1,2-dichloroethene
	vinyl chloride		trans-1,2-dichloroethene
			vinyl chloride
MW-35	selenium	MW-35	Removed
	1,1-dichloroethane		

Spring 2016		Fall 2016	
MW-49A	cobalt	MW-49A	benzene
	nickel		chloroethane
	benzene		
	chloroethane		
MW-7	arsenic	MW-7	arsenic
	chloroethane		chloroethane
			1,1-dichloroethane
			cis-1,2-dichloroethene
			vinyl chloride
MW-9	None	MW-9	chloroethane
MW-13R	arsenic	MW-13R	arsenic
	barium		barium
	cobalt		nickel
	nickel		1,4-dichlorobenzene
	1,4-dichlorobenzene		benzene
	benzene		chlorobenzene
	chlorobenzene		cis-1,2-dichloroethene
MW-14	nickel	MW-14	1,1-dichloroethane
	1,1-dichloroethane		1,4-dichlorobenzene
			cis-1,2-dichloroethene
MW-211	nickel	MW-211	cobalt
	chlorobenzene		nickel
	chloroethane		1,1-dichloroethane
	cis-1,2-dichloroethene		chlorobenzene
			chloroethane
			cis-1,2-dichloroethene
MW-31R	barium	MW-31R	barium
	1,1-dichloroethane		cobalt
	1,4-dichlorobenzene		1,1-dichloroethane
	benzene		1,4-dichlorobenzene
	chlorobenzene		benzene
	chloroethane		chlorobenzene
	cis-1,2-dichloroethene		chloroethane
	trans-1,2-dichloroethene		cis-1,2-dichloroethene
	vinyl chloride		trans-1,2-dichloroethene
			vinyl chloride
MW-35R	Not installed	MW-35R	barium
			nickel
			1,1-dichloroethane
			benzene
			chloroethane
			cis-1,2-dichloroethene
			vinyl chloride

Spring 2017		Fall 2017	
MW-49A	nickel	MW-49A	benzene
	benzene		chloroethane
	chloroethane		vinyl chloride
MW-7	arsenic	MW-7	arsenic
	chloroethane		chloroethane
MW-9	None	MW-9	1,1-dichloroethane
			chloroethane
MW-13R	arsenic	MW-13R	arsenic
	barium		barium
	nickel		cobalt
	1,4-dichlorobenzene		1,4-dichlorobenzene
	benzene		benzene
	chlorobenzene		bis(2-ethylhexyl)phthalate
			chlorobenzene
			cis-1,2-dichloroethene
			toluene
MW-14	None	MW-14	barium
			1,4-dichlorobenzene
			benzene
			bis(2-ethylhexyl)phthalate
MW-211	nickel	MW-211	cobalt
	1,1-dichloroethane		nickel
	benzene		1,1-dichloroethane
	chlorobenzene		chlorobenzene
	chloroethane		chloroethane
	cis-1,2-dichloroethene		cis-1,2-dichloroethene
MW-31R	barium	MW-31R	barium
	1,1-dichloroethane		1,1-dichloroethane
	1,4-dichlorobenzene		1,4-dichlorobenzene
	benzene		benzene
	chlorobenzene		chlorobenzene
	chloroethane		cis-1,2-dichloroethene
	cis-1,2-dichloroethene		trans-1,2-dichloroethene
	trans-1,2-dichloroethene		
	vinyl chloride		
MW-35R	barium	MW-35R	barium
	nickel		nickel
	1,1-dichloroethane		1,1-dichloroethane
	chloroethane		benzene
	cis-1,2-dichloroethene		chloroethane
	vinyl chloride		cis-1,2-dichloroethene

Spring 2018		Fall 2018	
MW-48A	arsenic	MW-48A	none
MW-49A	barium	MW-49A	benzene
	cobalt		chloroethane
	nickel		
	benzene		
	chloroethane		
	vinyl chloride		
MW-7	copper	MW-7	none
MW-9	none	MW-9	none
MW-13R	arsenic	MW-13R	barium
	barium		1,4-dichlorobenzene
	cobalt		benzene
	nickel		chlorobenzene
	1,4-dichlorobenzene		
	benzene		
	chlorobenzene		
MW-14	barium	MW-14	chlorobenzene
	cobalt		
MW-211	cobalt	MW-211	nickel
	nickel		chlorobenzene
	1,1-dichloroethane		
	benzene		
	chlorobenzene		
	chloroethane		
	cis-1,2-dichloroethene		
MW-31R	barium	MW-31R	barium
	cobalt		cobalt
	1,1-dichloroethane		1,4-dichlorobenzene
	1,4-dichlorobenzene		chlorobenzene
	benzene		chloroethane
	chlorobenzene		cis-1,2-dichloroethene
	chloroethane		
	cis-1,2-dichloroethene		
	trans-1,2-dichloroethene		
	vinyl chloride		
MW-35R	barium	MW-35R	barium
	nickel		nickel
	1,1-dichloroethane		1,1-dichloroethane
	benzene		cis-1,2-dichloroethene
	chloroethane		
	cis-1,2-dichloroethene		
	vinyl chloride		

Spring 2019		Fall 2019	
MW-48A	none	MW-48A	none
MW-49A	cobalt	MW-49A	benzene
	nickel		
	benzene		
	chloroethane		
MW-7	arsenic	MW-7	none
	1,1-dichloroethane		
	chloroethane		
MW-9	none	MW-9	chloroethane
MW-13R		MW-13R	barium
	barium		benzene
	cobalt		chlorobenzene
	1,4-dichlorobenzene		
	benzene		
	chlorobenzene		
MW-14	cobalt	MW-14	barium
	benzene		chloroethane
	chloroethane		
	ethylbenzene		
MW-211	cobalt	MW-211	arsenic
	nickel		cobalt
	benzene		chlorobenzene
	chlorobenzene		
MW-31R	barium	MW-31R	barium
	cobalt		cobalt
	nickel		1,1-dichloroethane
	1,1-dichloroethane		1,4-dichlorobenzene
	1,4-dichlorobenzene		chlorobenzene
	benzene		chloroethane
	chlorobenzene		cis-1,2-dichloroethene
	chloroethane		trans-1,2-dichloroethene
	cis-1,2-dichloroethene		
	trans-1,2-dichloroethene		
MW-35R	barium	MW-35R	barium
	nickel		nickel
	1,1-dichloroethane		1,1-dichloroethane
	chloroethane		chloroethane
	cis-1,2-dichloroethene		cis-1,2-dichloroethene

Spring 2020		Fall 2020	
MW-48A	none	MW-48A	none
MW-49A	barium	MW-49A	cobalt
	cobalt		nickel
	nickel		benzene
	benzene		chloroethane
	chloroethane		cis-1,2-dichloroethene
MW-7	1,1-dichloroethane	MW-7	arsenic
	chloroethane		chloroethane
MW-9	cobalt	MW-9	cobalt
			nickel
			chloroethane
MW-13R	arsenic	MW-13R	arsenic
	barium		barium
	cobalt		cobalt
	nickel		nickel
	1,4-dichlorobenzene		1,4-dichlorobenzene
	benzene		benzene
	chlorobenzene		chlorobenzene
MW-14	none	MW-14	barium
			cobalt
			1,1-dichloroethane
			1,4-dichlorobenzene
			chloroethane
MW-211	arsenic	MW-211	cobalt
	cobalt		nickel
	nickel		chlorobenzene
	chlorobenzene		
MW-31R	barium	MW-31R	barium
	cobalt		cobalt
	nickel		nickel
	1,1-dichloroethane		1,1-dichloroethane
	1,4-dichlorobenzene		1,4-dichlorobenzene
	benzene		benzene
	chlorobenzene		chlorobenzene
	chloroethane		chloroethane
	cis-1,2-dichloroethene		cis-1,2-dichloroethene
	trans-1,2-dichloroethene		trans-1,2-dichloroethene
MW-35R	barium	MW-35R	barium
	nickel		nickel
	1,1-dichloroethane		1,1-dichloroethane
	chloroethane		chloroethane
	cis-1,2-dichloroethene		cis-1,2-dichloroethene
			vinyl chloride

Spring 2021		Fall 2021	
MW-48A	none	MW-48A	none
MW-49A	cobalt	MW-49A	acetone
	nickel		benzene
	benzene		chloroethane
	chloroethane		cis-1,2-dichloroethene
	cis-1,2-dichloroethene		vinyl chloride
	vinyl chloride		
MW-51	none	MW-51	zinc*
MW-7	arsenic	MW-7	arsenic
	1,1-dichloroethane		
	chloroethane		
MW-9	cobalt	MW-9	none
MW-13R	arsenic	MW-13R	arsenic
	barium		1,4-dichlorobenzene
	cobalt		benzene
	1,4-dichlorobenzene		chlorobenzene
	benzene		
	chlorobenzene		
MW-14	barium	MW-14	cobalt
	cobalt		1,1-dichloroethane
	nickel		1,4-dichlorobenzene
	1,1-dichloroethane		benzene
	1,4-dichlorobenzene		chloroethane
	chloroethane		
MW-211	cobalt	MW-211	cobalt
	nickel		nickel
	benzene		chlorobenzene
	chlorobenzene		
MW-31R	cobalt	MW-31R	cobalt
	nickel		nickel
	1,1-dichloroethane		1,1-dichloroethane
	1,4-dichlorobenzene		1,4-dichlorobenzene
	benzene		benzene
	chlorobenzene		chlorobenzene
	chloroethane		chloroethane
	cis-1,2-dichloroethene		cis-1,2-dichloroethene
	trans-1,2-dichloroethene		trans-1,2-dichloroethene
MW-35R	barium	MW-35R	cobalt
	cobalt		nickel
	nickel		1,1-dichloroethane
	1,1-dichloroethane		chloroethane
	chloroethane		cis-1,2-dichloroethene
	cis-1,2-dichloroethene		

* a verification resample will be collected prior to 1/29/22.

Spring 2022		Fall 2022	
MW-48A	selenium	MW-48A	arsenic
MW-49A	cobalt	MW-49A	cobalt
	nickel		copper
	acetone		nickel
	benzene		benzene
	chloroethane		chloroethane
	cis-1,2-dichloroethene		cis-1,2-dichloroethene
	vinyl chloride		vinyl chloride
MW-7	arsenic	MW-7	arsenic
	1,1-dichloroethane		bis(2-ethylhexyl)phthalate - NO
	benzene		chloroethane
	chloroethane		
MW-9	none	MW-9	benzene
MW-13R	arsenic	MW-13R	arsenic
	cobalt		1,4-dichlorobenzene
	1,4-dichlorobenzene		benzene
	benzene		bis(2-ethylhexyl)phthalate - NO
	chlorobenzene		chlorobenzene
			cis-1,2-dichloroethene
MW-14	cobalt	MW-14	cobalt
	1,4-dichlorobenzene		1,4-dichlorobenzene
			benzene
			bis(2-ethylhexyl)phthalate - NO
			chloroethane
MW-211	arsenic	MW-211	cobalt
	cobalt		nickel
	nickel		chlorobenzene
	benzene		
	chlorobenzene		
MW-31R	cobalt	MW-31R	cobalt
	nickel		nickel
	1,1-dichloroethane		1,1-dichloroethane
	1,4-dichlorobenzene		1,4-dichlorobenzene
	benzene		benzene
	chlorobenzene		chlorobenzene
	chloroethane		chloroethane
	cis-1,2-dichloroethene		cis-1,2-dichloroethene
	trans-1,2-dichloroethene		trans-1,2-dichloroethene
MW-35R	nickel	MW-35R	nickel
	1,1-dichloroethane		bis(2-ethylhexyl)phthalate
	chloroethane		chloroethane
	cis-1,2-dichloroethene		

Spring 2023		Fall 2023	
MW-48A	arsenic	MW-48A	none
	lead		
MW-49A	cobalt	MW-49A	cobalt
	copper		nickel
	nickel		benzene
	benzene		chloroethane
	chloroethane		cis-1,2-dichloroethene
	cis-1,2-dichloroethene		vinyl chloride
	vinyl chloride		
MW-7	arsenic	MW-7	arsenic
	chloroethane		chloroethane
MW-9	none	MW-9	arsenic
			1,1-dichloroethane
MW-13R	arsenic	MW-13R	1,4-dichlorobenzene
	1,4-dichlorobenzene		benzene
	benzene		chlorobenzene
	chlorobenzene		cis-1,2-dichloroethene
MW-14	cobalt	MW-14	1,4-dichlorobenzene
	1,4-dichlorobenzene		benzene
	benzene		chlorobenzene
	chloroethane		cis-1,2-dichloroethene
MW-211	arsenic	MW-211	none
	nickel		
	chlorobenzene		
MW-31R	cobalt	MW-31R	cobalt
	nickel		zinc
	1,1-dichloroethane		1,1-dichloroethane
	1,4-dichlorobenzene		1,4-dichlorobenzene
	benzene		benzene
	chlorobenzene		chlorobenzene
	chloroethane		chloroethane
	cis-1,2-dichloroethene		cis-1,2-dichloroethene
	trans-1,2-dichloroethene		trans-1,2-dichloroethene
			bis(2-ethylhexyl)phthalate <i>(not verified)</i>
			Disulfoton <i>(not verified)</i>
MW-35R	nickel	MW-35R	barium
	1,1-dichloroethane		zinc
	bis(2-ethylhexyl)phthalate		bis(2-ethylhexyl)phthalate
	chloroethane		chloroethane

Spring 2024		Fall 2024	
MW-48A	none	MW-48A	none
MW-49A	cobalt	MW-49A	nickel
	nickel		benzene
	benzene		chloroethane
	chloroethane		cis-1,2-dichloroethene
	cis-1,2-dichloroethene		vinyl chloride
	vinyl chloride		
MW-7	arsenic	MW-7	arsenic
			chloroethane
MW-9	none	MW-9	none
MW-13R	1,4-dichlorobenzene	MW-13R	arsenic
	benzene		1,4-dichlorobenzene
	chlorobenzene		benzene
			chlorobenzene
MW-14	cobalt	MW-14	arsenic
	1,4-dichlorobenzene		1,4-dichlorobenzene
	benzene		benzene
	chloroethane		
MW-211	cobalt	MW-211	cobalt
	chlorobenzene		nickel
			benzene
			chlorobenzene
MW-31R	cobalt	MW-31R	cobalt
	nickel		1,1-dichloroethane
	1,1-dichloroethane		1,4-dichlorobenzene
	1,4-dichlorobenzene		benzene
	benzene		chlorobenzene
	chlorobenzene		chloroethane
	chloroethane		cis-1,2-dichloroethene
	cis-1,2-dichloroethene		trans-1,2-dichloroethene
	trans-1,2-dichloroethene		
MW-35R	chloroethane	MW-35R	Dry

Spring 2025		Fall 2025	
MW-48A	none	MW-48A	none
MW-49A	cobalt	MW-49A	nickel
	nickel		nickel
	benzene		benzene
	chloroethane		chloroethane
	cis-1,2-dichloroethene		cis-1,2-dichloroethene
	vinyl chloride		vinyl chloride
MW-7	arsenic	MW-7	arsenic
	benzene		chloroethane
	chloroethane		
MW-7B	arsenic	MW-7B	arsenic
MW-9	none	MW-9	none
MW-13R	arsenic	MW-13R	arsenic
	1,4-dichlorobenzene		1,4-dichlorobenzene
	benzene		benzene
	chlorobenzene		chlorobenzene
MW-14	cobalt	MW-14	1,4-dichlorobenzene
	chloroethane		chloroethane
MW-35R	chloroethane	MW-35R	chloroethane
			vinyl chloride

Appendix F

Assessment Monitoring Results

Bis (2-ethylhexyl)phthalate (ug/L) – full Appendix II sample is indicated by green highlight

Date	MW48A	MW49A	MW7	MW-9	MW13R	MW14	MW35R
6/22/09	NT	<8	NT	NT	NT	NT	NT
2/23/10	<8	<8	NT	NT	NT	NT	NT
4/12/10	<8	<8	NT	NT	NT	NT	NT
4/20/12	NT	NT	15.0	NT	<8	<8	<8
10/17/12	NT	NT	<11	NT	9.0	<8	<8
4/3/13	NT	NT	<10	NT	<10	NT	NT
10/9/13	NT	NT	<10	NT	<10	NT	NT
4/15/14	NT	NT	<10	NT	<10	NT	NT
10/23/14	NT	NT	<10	NT	<10	NT	NT
4/1/15	17.0	<8	<10	NT	<10	NT	NT
11/5/15	<10	NT	<10	NT	<10	NT	NT
4/21/16	<10	NT	<10	NT	<10	NT	NT
10/17/16	<10	NT	<10	NT	<10	NT	NT
4/21/17	<6	NT	<6	NT	<6	NT	NT
10/16/17	<6	NT	<6	NT	16.0	18.0	<8
4/24/18	NT	NT	NT	<6	NT	NT	NT
10/25/18	NT	NT	NT	NT	NT	NT	NT
4/15/19	NT	NT	NT	<6	NT	NT	NT
10/7/2019	NT	NT	NT	NT	NT	NT	NT
4/22/2020	<6	<6	NT	NT	NT	NT	NT
10/1/2020	NT	NT	NT	NT	NT	NT	NT
4/8/2021	NT	NT	NT	NT	NT	NT	NT
10/29/2021	NT	NT	NT	NT	NT	NT	NT
4/25/2022	NT	NT	NT	NT	NT	NT	NT
10/17/2022	NT	NT	9.0	NT	7.0	11.0	78.0
1/5/2023	NT	NT	<6	NT	<6	<6	79.0
4/10/2023	NT	NT	NT	NT	NT	NT	6.0
10/27/2023	NT	NT	NT	NT	NT	NT	15.0
4/2/2024	NT	NT	NT	<6	NT	NT	<6
10/10/2024	NT	NT	NT	NT	NT	NT	NT
4/15/2025	<6	<6	NT	NT	NT	NT	NT
10/16/2025	NT	NT	NT	NT	NT	NT	NT

Full Appendix II sample collection events are highlighted green.

Dichlorodifluoromethane (ug/L) - full Appendix II sample is indicated by green highlight

Date	MW48A	MW49A	MW7	MW-9	MW13R	MW14	MW35R
6/22/09	NT	<1	NT	NT	NT	NT	NT
2/23/10	<1	<1	NT	NT	NT	NT	NT
4/12/10	<1	<1	NT	NT	NT	NT	NT
4/20/12	NT	NT	1.0	NT	<1	<1	<1
10/17/12	NT	NT	<1	NT	<1	<1	<1
4/3/13	NT	NT	<1	NT	NT	NT	NT
10/9/13	NT	NT	<1	NT	NT	NT	NT
4/15/14	NT	NT	<1	NT	NT	NT	NT
10/23/14	NT	NT	<1	NT	NT	NT	NT
4/1/15	<1	1.1	<1	NT	NT	NT	NT
11/5/15	NT	<1	<1	NT	NT	NT	NT
4/21/16	NT	<1	<1	NT	NT	NT	NT
10/17/16	NT	<2	<2	NT	NT	NT	NT
4/21/17	NT	<1	<1	NT	NT	NT	NT
10/16/17	NT	<1	<1	NT	<1	<1	<1
4/24/18	NT	NT	NT	<1	NT	NT	NT
10/25/18	NT	NT	NT	NT	NT	NT	NT
4/15/19	NT	NT	NT	<1	NT	NT	NT
10/7/2019	NT	NT	NT	NT	NT	NT	NT
4/22/2020	<1	<1	NT	NT	NT	NT	NT
10/1/2020	NT	NT	NT	NT	NT	NT	NT
4/8/2021	NT	NT	NT	NT	NT	NT	NT
10/29/2021	NT	NT	NT	NT	NT	NT	NT
4/25/2022	NT	NT	NT	NT	NT	NT	NT
10/17/2022	NT	NT	<1	NT	<1	<1	<1
4/10/2023	NT	NT	NT	NT	NT	NT	NT
10/27/2023	NT	NT	NT	NT	NT	NT	NT
4/2/2024	NT	NT	NT	<1	NT	NT	NT
10/10/2024	NT	NT	NT	NT	NT	NT	NT
4/15/2025	<1	<1	NT	NT	NT	NT	NT
10/16/2025	NT	NT	NT	NT	NT	NT	NT

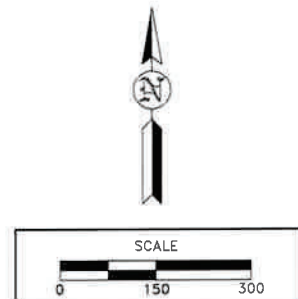
Full Appendix II sample collection events are highlighted green.

Appendix G

1995 Site Remedial Action System Evaluation

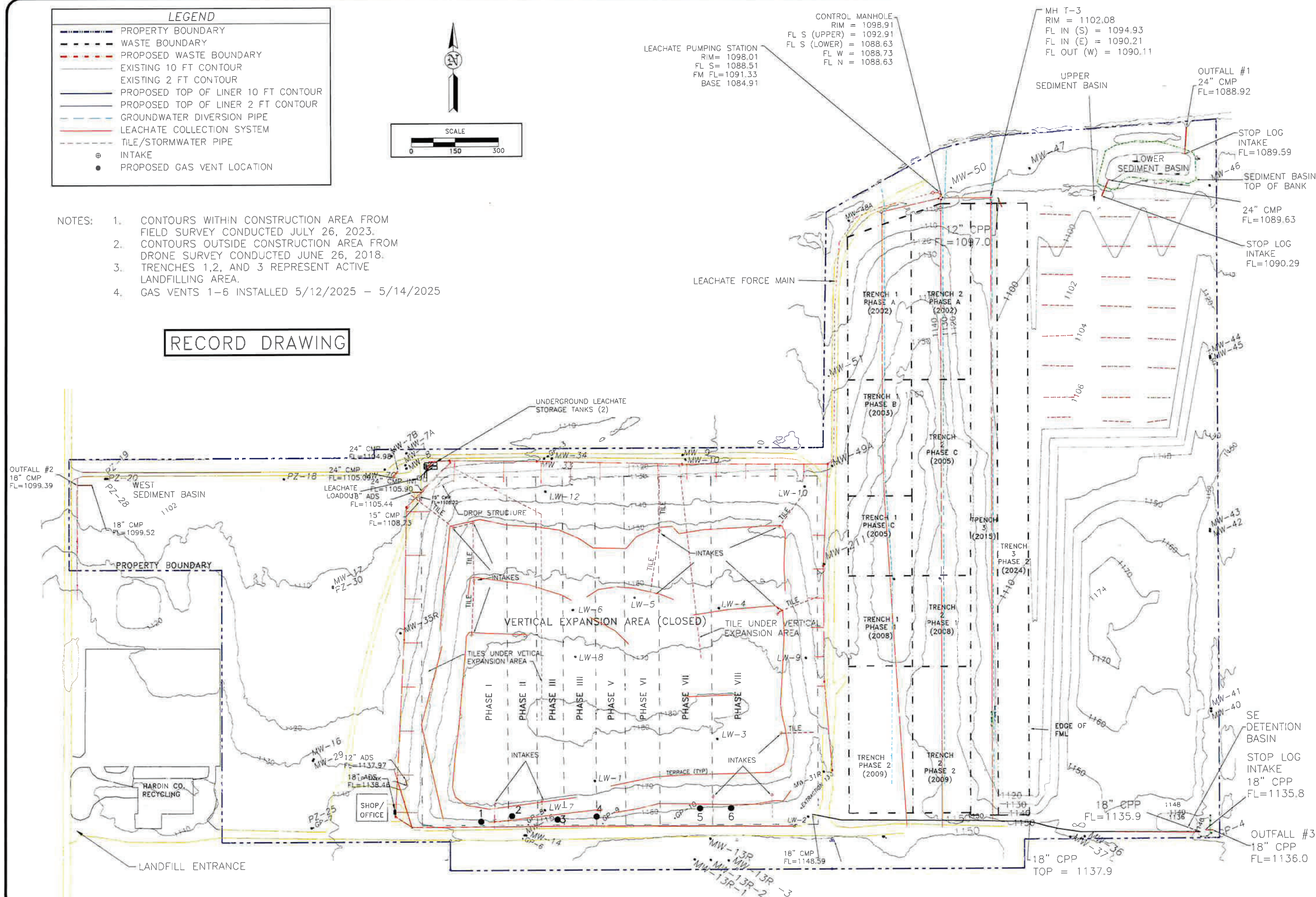
LEGEND

- PROPERTY BOUNDARY
- WASTE BOUNDARY
- PROPOSED WASTE BOUNDARY
- EXISTING 10 FT CONTOUR
- EXISTING 2 FT CONTOUR
- PROPOSED TOP OF LINER 10 FT CONTOUR
- PROPOSED TOP OF LINER 2 FT CONTOUR
- GROUNDWATER DIVERSION PIPE
- LEACHATE COLLECTION SYSTEM
- TILE/STORMWATER PIPE
- INTAKE
- PROPOSED GAS VENT LOCATION



- NOTES:
1. CONTOURS WITHIN CONSTRUCTION AREA FROM FIELD SURVEY CONDUCTED JULY 26, 2023.
 2. CONTOURS OUTSIDE CONSTRUCTION AREA FROM DRONE SURVEY CONDUCTED JUNE 26, 2018.
 3. TRENCHES 1, 2, AND 3 REPRESENT ACTIVE LANDFILLING AREA.
 4. GAS VENTS 1-6 INSTALLED 5/12/2025 - 5/14/2025

RECORD DRAWING



**OVERALL SITE PLAN
GAS VENT INSTALLATION**

HLW Engineering Group
204 West Broad Street, P.O. Box 314
Story City, Iowa 50248
Phone: (515) 733-4144
FAX: (515) 733-4146



FIGURE: 1

REVISION	NO.	DATE
DRAWN	JGH	5/15/25
PROJECT NO.	6006-23A	

EVALUATION OF THE 1995 SRAMP & THE 2018 CORRECTIVE ACTION SYSTEM

Closed Landfill

In 1994 and 1995 VOC impacts to three (3) wells (MW-9, MW-31, and MW-14) required Groundwater Quality Assessment activities. On July 12, 1995 an Assessment was submitted to the IDNR (Doc #4800).

The limits of the impact were determined in the adjacent landowner properties to the north and south of the site (north of MW-9 and south of MW-14). The limit of impact to the east of MW-31 was determined on property owned by RIWMA. MW-31 was replaced by MW-31R on April 16, 2012 to accommodate development in the RCRA Subtitle D Expansion Trenches 1-3.

A Remedial Action leachate collection toe drain was constructed along the entire north, west, and east sides of the original landfill (see Figure 1 attached). Additionally, existing tile lines in the vicinity of MW-9 were connected to the leachate collection toe drain system. The system was not constructed on the south side of the site in 1995. A separate remedial system was installed on the south side of the Original Landfill in 2018 near MW-13R and MW-14.

Monitoring wells MW-7, MW-9, MW-33, MW-35R, and MW-49A, are located immediately adjacent to the various pipe trenches that comprise the 1995 leachate collection toe drain (SRAMP) along the north, west, and east sides of the closed landfill.

The assessment south of MW-14 (Doc #4800) did not detect any VOC compounds in the step-out wells placed 50 ft from the impacted well. The step-out wells MW-14-1, MW-14-2, and MW-14-3 were plugged December 10, 1995 (Doc # 50234) and the well abandonment forms are incorporated in the current permit.

Monitoring wells MW-13R and MW-14 are located immediately adjacent to the pipe alignment that comprise the 2018 Corrective Measures along the south side of the closed landfill.

On the north side (MW-9) VOC's were detected in the step-out wells. The Remedial leachate collection toe drain system was demonstrated to be effective at reducing impacts detected at step-out wells MW-9-1, MW-9-2, and MW-9-3. The MW-9 series step-out wells located in the farm field north of the site were plugged December 8, 1998 based on approval received in Permit Amendment #1 (Doc # 4833) to the 1998 Permit. The well abandonment forms are incorporated in the current permit. There are no SSL recorded in MW-9.

On the east side MW-31 was replaced by MW-31R in 2012. MW-31R was located significantly west of MW-31 and is placed near the waste boundary of the original landfill. Further, MW-31R is situated between the waste mass and the remedial action leachate collection system line that is east of the original landfill (see attached map). MW-31R has demonstrated on-going impacts by both VOC and inorganic compounds since installation. MW-31R was removed from the HMSP in June of 2025.

MW-49A is located southeast of the waste boundary of the original landfill and west of the waste boundary of the RCRA Subtitle D Landfill. Groundwater in the vicinity of MW-49A is from the closed landfill southeast toward MW-49A. MW-49A has demonstrated on-going impacts by both VOC and inorganic compounds since installation, but the cobalt and vinyl chloride concentrations have increased at MW-49A in recent years. There is now a cobalt and vinyl chloride SSL recorded at MW-49A. The 1995 Leachate Collection Toe Drain system was vented in 2024 utilizing grated manhole coves in lieu of the solid locking covers originally installed in 1995.

Gas vents were installed in the waste mass immediately north of MW-13R and MW-14 in 2025.

Appendix H

Corrective Action Monitoring Plan (CAMP) Water Quality Summary Tables

CAMP
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

Exceeds GWPS Key

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	GWPS Limit (ug/L)
ACM Tile 1	arsenic	10/25/2018	---	89.3
ACM Tile 1	arsenic	4/15/2019	63.1	89.3
ACM Tile 1	arsenic	10/7/2019	44.0	89.3
ACM Tile 1	arsenic	4/22/2020	88.3	89.3
ACM Tile 1	arsenic	10/1/2020	Dry	89.3
ACM Tile 1	arsenic	4/8/2021	Dry	89.3
ACM Tile 1	arsenic	10/29/2021	57.6	89.3
ACM Tile 1	arsenic	4/25/2022	38.1	89.3
ACM Tile 1	arsenic	10/17/2022	Dry	89.3
ACM Tile 1	arsenic	4/10/2023	No Metals	89.3
ACM Tile 1	arsenic	10/27/2023	Dry	89.3
ACM Tile 1	arsenic	4/2/2024	26.7	89.3
ACM Tile 1	arsenic	10/10/2024	Dry	89.3
ACM Tile 1	arsenic	4/15/2025	358.0	89.3
ACM Tile 1	arsenic	10/6/2025	545.0	89.3

CAMP
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

Exceeds GWPS Key

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	GWPS Limit (ug/L)
ACM Tile 1	cobalt	10/25/2018	---	12.4
ACM Tile 1	cobalt	4/15/2019	8.3	12.4
ACM Tile 1	cobalt	10/7/2019	6.1	12.4
ACM Tile 1	cobalt	4/22/2020	13.7	12.4
ACM Tile 1	cobalt	10/1/2020	Dry	12.4
ACM Tile 1	cobalt	4/8/2021	Dry	12.4
ACM Tile 1	cobalt	10/29/2021	7.2	12.4
ACM Tile 1	cobalt	4/25/2022	4.4	12.4
ACM Tile 1	cobalt	10/17/2022	Dry	12.4
ACM Tile 1	cobalt	4/10/2023	No Metals	12.4
ACM Tile 1	cobalt	10/27/2023	Dry	12.4
ACM Tile 1	cobalt	4/2/2024	3.4	12.4
ACM Tile 1	cobalt	10/10/2024	Dry	12.4
ACM Tile 1	cobalt	4/15/2025	11.0	12.4
ACM Tile 1	cobalt	10/6/2025	5.7	12.4

CAMP
Annual Water Quality Report
Rural Iowa Sanitary Landfill
Permit No.42-SDP-01-72P

Exceeds GWPS Key

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	GWPS Limit (ug/L)
ACM Tile 1	1,1-dichloroethane	10/25/2018	3.6	140
ACM Tile 1	1,1-dichloroethane	4/15/2019	3.8	140
ACM Tile 1	1,1-dichloroethane	10/7/2019	4.7	140
ACM Tile 1	1,1-dichloroethane	4/22/2020	14.4	140
ACM Tile 1	1,1-dichloroethane	10/1/2020	Dry	140
ACM Tile 1	1,1-dichloroethane	4/8/2021	Dry	140
ACM Tile 1	1,1-dichloroethane	10/29/2021	<1.0	140
ACM Tile 1	1,1-dichloroethane	4/25/2022	2.9	140
ACM Tile 1	1,1-dichloroethane	10/17/2022	Dry	140
ACM Tile 1	1,1-dichloroethane	4/10/2023	4.8	140
ACM Tile 1	1,1-dichloroethane	10/27/2023	Dry	140
ACM Tile 1	1,1-dichloroethane	4/2/2024	1.6	140
ACM Tile 1	1,1-dichloroethane	10/10/2024	Dry	140
ACM Tile 1	1,1-dichloroethane	4/15/2025	3.4	140
ACM Tile 1	1,1-dichloroethane	10/6/2025	3.4	140

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	GWPS Limit (ug/L)
ACM Tile 1	1,4-dichlorobenzene	10/25/2018	<1.0	75
ACM Tile 1	1,4-dichlorobenzene	4/15/2019	3.6	75
ACM Tile 1	1,4-dichlorobenzene	10/7/2019	3.3	75
ACM Tile 1	1,4-dichlorobenzene	4/22/2020	<1.0	75
ACM Tile 1	1,4-dichlorobenzene	10/1/2020	Dry	75
ACM Tile 1	1,4-dichlorobenzene	4/8/2021	Dry	75
ACM Tile 1	1,4-dichlorobenzene	10/29/2021	<1.0	75
ACM Tile 1	1,4-dichlorobenzene	4/25/2022	1.1	75
ACM Tile 1	1,4-dichlorobenzene	10/17/2022	Dry	75
ACM Tile 1	1,4-dichlorobenzene	4/10/2023	1.8	75
ACM Tile 1	1,4-dichlorobenzene	10/27/2023	Dry	75
ACM Tile 1	1,4-dichlorobenzene	4/2/2024	<1.0	75
ACM Tile 1	1,4-dichlorobenzene	10/10/2024	Dry	75
ACM Tile 1	1,4-dichlorobenzene	4/15/2025	1.6	75
ACM Tile 1	1,4-dichlorobenzene	10/6/2025	2.8	75

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	GWPS Limit (ug/L)
ACM Tile 1	Benzene	10/25/2018	<1.0	5
ACM Tile 1	Benzene	4/15/2019	2.0	5
ACM Tile 1	Benzene	10/7/2019	1.3	5
ACM Tile 1	Benzene	4/22/2020	2.0	5
ACM Tile 1	Benzene	10/1/2020	Dry	5
ACM Tile 1	Benzene	4/8/2021	Dry	5
ACM Tile 1	Benzene	10/29/2021	<1.0	5
ACM Tile 1	Benzene	4/25/2022	1.8	5
ACM Tile 1	Benzene	10/17/2022	Dry	5
ACM Tile 1	Benzene	4/10/2023	1.6	5
ACM Tile 1	Benzene	10/27/2023	Dry	5
ACM Tile 1	Benzene	4/2/2024	<1.0	5
ACM Tile 1	Benzene	10/10/2024	Dry	5
ACM Tile 1	Benzene	4/15/2025	1.6	5
ACM Tile 1	Benzene	10/6/2025	<1.0	5

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Exceeds GWPS Key

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	GWPS Limit (ug/L)
ACM Tile 1	chlorobenzene	10/25/2018	16.6	100.00
ACM Tile 1	chlorobenzene	4/15/2019	13.8	100.00
ACM Tile 1	chlorobenzene	10/7/2019	7.4	100.00
ACM Tile 1	chlorobenzene	4/22/2020	4.6	100.00
ACM Tile 1	chlorobenzene	10/1/2020	Dry	100.00
ACM Tile 1	chlorobenzene	4/8/2021	Dry	100.00
ACM Tile 1	chlorobenzene	10/29/2021	<1.0	100.00
ACM Tile 1	chlorobenzene	4/25/2022	7.9	100.00
ACM Tile 1	chlorobenzene	10/17/2022	Dry	100.00
ACM Tile 1	chlorobenzene	4/10/2023	7.8	100.00
ACM Tile 1	chlorobenzene	10/27/2023	Dry	100.00
ACM Tile 1	chlorobenzene	4/2/2024	3.7	100.00
ACM Tile 1	chlorobenzene	10/10/2024	Dry	100.00
ACM Tile 1	chlorobenzene	4/15/2025	11.5	100.00
ACM Tile 1	chlorobenzene	10/6/2025	1.2	100.00

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	GWPS Limit (ug/L)
ACM Tile 1	chloroethane	10/25/2018	5.8	2,800.00
ACM Tile 1	chloroethane	4/15/2019	5.0	2,800.00
ACM Tile 1	chloroethane	10/7/2019	9.8	2,800.00
ACM Tile 1	chloroethane	4/22/2020	12.2	2,800.00
ACM Tile 1	chloroethane	10/1/2020	Dry	2,800.00
ACM Tile 1	chloroethane	4/8/2021	Dry	2,800.00
ACM Tile 1	chloroethane	10/29/2021	2.6	2,800.00
ACM Tile 1	chloroethane	4/25/2022	3.7	2,800.00
ACM Tile 1	chloroethane	10/17/2022	Dry	2,800.00
ACM Tile 1	chloroethane	4/10/2023	5.1	2,800.00
ACM Tile 1	chloroethane	10/27/2023	Dry	2,800.00
ACM Tile 1	chloroethane	4/2/2024	2.3	2,800.00
ACM Tile 1	chloroethane	10/10/2024	Dry	2,800.00
ACM Tile 1	chloroethane	4/15/2025	5.5	2,800.00
ACM Tile 1	chloroethane	10/6/2025	4.6	2,800.00

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Exceeds GWPS Key

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	GWPS Limit (ug/L)
ACM Tile 1	Cis-1,2DCE	10/25/2018	3.0	70
ACM Tile 1	Cis-1,2DCE	4/15/2019	2.8	70
ACM Tile 1	Cis-1,2DCE	10/7/2019	4.2	70
ACM Tile 1	Cis-1,2DCE	4/22/2020	6.3	70
ACM Tile 1	Cis-1,2DCE	10/1/2020	Dry	70
ACM Tile 1	Cis-1,2DCE	4/8/2021	Dry	70
ACM Tile 1	Cis-1,2DCE	10/29/2021	<1.0	70
ACM Tile 1	Cis-1,2DCE	4/25/2022	1.3	70
ACM Tile 1	Cis-1,2DCE	10/17/2022	Dry	70
ACM Tile 1	Cis-1,2DCE	4/10/2023	2.0	70
ACM Tile 1	Cis-1,2DCE	10/27/2023	Dry	70
ACM Tile 1	Cis-1,2DCE	4/2/2024	<1.0	70
ACM Tile 1	Cis-1,2DCE	10/10/2024	Dry	70
ACM Tile 1	Cis-1,2DCE	4/15/2025	2.1	70
ACM Tile 1	Cis-1,2DCE	10/6/2025	2.0	70

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	GWPS Limit (ug/L)
ACM Tile 1	ethylbenzene	10/25/2018	<1.0	700
ACM Tile 1	ethylbenzene	4/15/2019	<1.0	700
ACM Tile 1	ethylbenzene	10/7/2019	1.9	700
ACM Tile 1	ethylbenzene	4/22/2020	<1.0	700
ACM Tile 1	ethylbenzene	10/1/2020	Dry	700
ACM Tile 1	ethylbenzene	4/8/2021	Dry	700
ACM Tile 1	ethylbenzene	10/29/2021	<1.0	700
ACM Tile 1	ethylbenzene	4/25/2022	1.6	700
ACM Tile 1	ethylbenzene	10/17/2022	Dry	700
ACM Tile 1	ethylbenzene	4/10/2023	<1.0	700
ACM Tile 1	ethylbenzene	10/27/2023	Dry	700
ACM Tile 1	ethylbenzene	4/2/2024	<1.0	700
ACM Tile 1	ethylbenzene	10/10/2024	Dry	700
ACM Tile 1	ethylbenzene	4/15/2025	<1.0	700
ACM Tile 1	ethylbenzene	10/6/2025	<1.0	700

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Exceeds GWPS Key

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	GWPS Limit (ug/L)
ACM Tile 1	toluene	10/25/2018	<1.0	1000
ACM Tile 1	toluene	4/15/2019	<1.0	1000
ACM Tile 1	toluene	10/7/2019	1.7	1000
ACM Tile 1	toluene	4/22/2020	<1.0	1000
ACM Tile 1	toluene	10/1/2020	Dry	1000
ACM Tile 1	toluene	4/8/2021	Dry	1000
ACM Tile 1	toluene	10/29/2021	<1.0	1000
ACM Tile 1	toluene	4/25/2022	<1.0	1000
ACM Tile 1	toluene	10/17/2022	Dry	1000
ACM Tile 1	toluene	4/10/2023	<1.0	1000
ACM Tile 1	toluene	10/27/2023	Dry	1000
ACM Tile 1	toluene	4/2/2024	<1.0	1000
ACM Tile 1	toluene	10/10/2024	Dry	1000
ACM Tile 1	toluene	4/15/2025	<1.0	1000
ACM Tile 1	toluene	10/6/2025	<1.0	1000

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Exceeds GWPS Key

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	GWPS Limit (ug/L)
ACM Tile 1	Vinyl Chloride	10/25/2018	<1.0	2
ACM Tile 1	Vinyl Chloride	4/15/2019	<1.0	2
ACM Tile 1	Vinyl Chloride	10/7/2019	2.0	2
ACM Tile 1	Vinyl Chloride	4/22/2020	1.8	2
ACM Tile 1	Vinyl Chloride	10/1/2020	Dry	2
ACM Tile 1	Vinyl Chloride	4/8/2021	Dry	2
ACM Tile 1	Vinyl Chloride	10/29/2021	<1.0	2
ACM Tile 1	Vinyl Chloride	4/25/2022	<1.0	2
ACM Tile 1	Vinyl Chloride	10/17/2022	Dry	2
ACM Tile 1	Vinyl Chloride	4/10/2023	1.0	2
ACM Tile 1	Vinyl Chloride	10/27/2023	Dry	2
ACM Tile 1	Vinyl Chloride	4/2/2024	<1.0	2
ACM Tile 1	Vinyl Chloride	10/10/2024	Dry	2
ACM Tile 1	Vinyl Chloride	4/15/2025	<1.0	2
ACM Tile 1	Vinyl Chloride	10/6/2025	<1.0	2

Bold GWPS = A Site Specific GWPS that is equal to the Prediction Limit. All other GWPS are IAC 567-137 Statewide Standards for Protected Groundwater.

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Detection above MRL

 Key

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	GWPS Limit (ug/L)
PECS -1	1,1-dichloroethane	10/25/2018	Dry	140
PECS -1	1,1-dichloroethane	4/15/2019	<1.0	140
PECS -1	1,1-dichloroethane	10/7/2019	<1.0	140
PECS -1	1,1-dichloroethane	4/22/2020	Dry	140
PECS -1	1,1-dichloroethane	10/1/2020	Dry	140
PECS -1	1,1-dichloroethane	4/8/2021	<1.0	140
PECS -1	1,1-dichloroethane	10/29/2021	<1.0	140
PECS -1	1,1-dichloroethane	4/25/2022	<1.0	140
PECS -1	1,1-dichloroethane	10/17/2022	Dry	140
PECS -1	1,1-dichloroethane	4/10/2023	<1.0	140
PECS -1	1,1-dichloroethane	10/27/2023	Dry	140
PECS -1	1,1-dichloroethane	4/2/2024	<1.0	140
PECS -1	1,1-dichloroethane	10/10/2024	Dry	140
PECS -1	1,1-dichloroethane	4/15/2025	<1.0	140
PECS -1	1,1-dichloroethane	10/6/2025	Dry	140

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 Key

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	GWPS Limit (ug/L)
PECS -1	1,4-dichlorobenzene	10/25/2018	Dry	75
PECS -1	1,4-dichlorobenzene	4/15/2019	<1.0	75
PECS -1	1,4-dichlorobenzene	10/7/2019	<1.0	75
PECS -1	1,4-dichlorobenzene	4/22/2020	Dry	75
PECS -1	1,4-dichlorobenzene	10/1/2020	Dry	75
PECS -1	1,4-dichlorobenzene	4/8/2021	<1.0	75
PECS -1	1,4-dichlorobenzene	10/29/2021	<1.0	75
PECS -1	1,4-dichlorobenzene	4/25/2022	<1.0	75
PECS -1	1,4-dichlorobenzene	10/17/2022	Dry	75
PECS -1	1,4-dichlorobenzene	4/10/2023	<1.0	75
PECS -1	1,4-dichlorobenzene	10/27/2023	Dry	75
PECS -1	1,4-dichlorobenzene	4/2/2024	<1.0	75
PECS -1	1,4-dichlorobenzene	10/10/2024	Dry	75
PECS -1	1,4-dichlorobenzene	4/15/2025	<1.0	75
PECS -1	1,4-dichlorobenzene	10/6/2025	Dry	75

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 Key

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	GWPS Limit (ug/L)
PECS -1	Benzene	10/25/2018	Dry	5
PECS -1	Benzene	4/15/2019	<1.0	5
PECS -1	Benzene	10/7/2019	<1.0	5
PECS -1	Benzene	4/22/2020	Dry	5
PECS -1	Benzene	10/1/2020	Dry	5
PECS -1	Benzene	4/8/2021	<1.0	5
PECS -1	Benzene	10/29/2021	<1.0	5
PECS -1	Benzene	4/25/2022	<1.0	5
PECS -1	Benzene	10/17/2022	Dry	5
PECS -1	Benzene	4/10/2023	<1.0	5
PECS -1	Benzene	10/27/2023	Dry	5
PECS -1	Benzene	4/2/2024	<1.0	5
PECS -1	Benzene	10/10/2024	Dry	5
PECS -1	Benzene	4/15/2025	<1.0	5
PECS -1	Benzene	10/6/2025	Dry	5

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 Key

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	GWPS Limit (ug/L)
PECS -1	chlorobenzene	10/25/2018	Dry	100.00
PECS -1	chlorobenzene	4/15/2019	<1.0	100.00
PECS -1	chlorobenzene	10/7/2019	<1.0	100.00
PECS -1	chlorobenzene	4/22/2020	Dry	100.00
PECS -1	chlorobenzene	10/1/2020	Dry	100.00
PECS -1	chlorobenzene	4/8/2021	<1.0	100.00
PECS -1	chlorobenzene	10/29/2021	<1.0	100.00
PECS -1	chlorobenzene	4/25/2022	<1.0	100.00
PECS -1	chlorobenzene	10/17/2022	Dry	100.00
PECS -1	chlorobenzene	4/10/2023	<1.0	100.00
PECS -1	chlorobenzene	10/27/2023	Dry	100.00
PECS -1	chlorobenzene	4/2/2024	<1.0	100.00
PECS -1	chlorobenzene	10/10/2024	Dry	100.00
PECS -1	chlorobenzene	4/15/2025	<1.0	100.00
PECS -1	chlorobenzene	10/6/2025	Dry	100.00

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 Key

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	GWPS Limit (ug/L)
PECS -1	chloroethane	10/25/2018	Dry	2,800.00
PECS -1	chloroethane	4/15/2019	<1.0	2,800.00
PECS -1	chloroethane	10/7/2019	<1.0	2,800.00
PECS -1	chloroethane	4/22/2020	Dry	2,800.00
PECS -1	chloroethane	10/1/2020	Dry	2,800.00
PECS -1	chloroethane	4/8/2021	<1.0	2,800.00
PECS -1	chloroethane	10/29/2021	<1.0	2,800.00
PECS -1	chloroethane	4/25/2022	<1.0	2,800.00
PECS -1	chloroethane	10/17/2022	Dry	2,800.00
PECS -1	chloroethane	4/10/2023	<1.0	2,800.00
PECS -1	chloroethane	10/27/2023	Dry	2,800.00
PECS -1	chloroethane	4/2/2024	<1.0	2,800.00
PECS -1	chloroethane	10/10/2024	Dry	2,800.00
PECS -1	chloroethane	4/15/2025	<1.0	2,800.00
PECS -1	chloroethane	10/6/2025	Dry	2,800.00

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 Key

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	GWPS Limit (ug/L)
PECS -1	Cis-1,2DCE	10/25/2018	Dry	70
PECS -1	Cis-1,2DCE	4/15/2019	<1.0	70
PECS -1	Cis-1,2DCE	10/7/2019	<1.0	70
PECS -1	Cis-1,2DCE	4/22/2020	Dry	70
PECS -1	Cis-1,2DCE	10/1/2020	Dry	70
PECS -1	Cis-1,2DCE	4/8/2021	<1.0	70
PECS -1	Cis-1,2DCE	10/29/2021	<1.0	70
PECS -1	Cis-1,2DCE	4/25/2022	<1.0	70
PECS -1	Cis-1,2DCE	10/17/2022	Dry	70
PECS -1	Cis-1,2DCE	4/10/2023	<1.0	70
PECS -1	Cis-1,2DCE	10/27/2023	Dry	70
PECS -1	Cis-1,2DCE	4/2/2024	<1.0	70
PECS -1	Cis-1,2DCE	10/10/2024	Dry	70
PECS -1	Cis-1,2DCE	4/15/2025	<1.0	70
PECS -1	Cis-1,2DCE	10/6/2025	Dry	70

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 Key

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	GWPS Limit (ug/L)
PECS -1	ethylbenzene	10/25/2018	Dry	700
PECS -1	ethylbenzene	4/15/2019	<1.0	700
PECS -1	ethylbenzene	10/7/2019	<1.0	700
PECS -1	ethylbenzene	4/22/2020	Dry	700
PECS -1	ethylbenzene	10/1/2020	Dry	700
PECS -1	ethylbenzene	4/8/2021	<1.0	700
PECS -1	ethylbenzene	10/29/2021	<1.0	700
PECS -1	ethylbenzene	4/25/2022	<1.0	700
PECS -1	ethylbenzene	10/17/2022	Dry	700
PECS -1	ethylbenzene	4/10/2023	<1.0	700
PECS -1	ethylbenzene	10/27/2023	Dry	700
PECS -1	ethylbenzene	4/2/2024	<1.0	700
PECS -1	ethylbenzene	10/10/2024	Dry	700
PECS -1	ethylbenzene	4/15/2025	<1.0	700
PECS -1	ethylbenzene	10/6/2025	Dry	700

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	GWPS Limit (ug/L)
PECS -1	toluene	10/25/2018	Dry	1000
PECS -1	toluene	4/15/2019	<1.0	1000
PECS -1	toluene	10/7/2019	<1.0	1000
PECS -1	toluene	4/22/2020	Dry	1000
PECS -1	toluene	10/1/2020	Dry	1000
PECS -1	toluene	4/8/2021	<1.0	1000
PECS -1	toluene	10/29/2021	<1.0	1000
PECS -1	toluene	4/25/2022	<1.0	1000
PECS -1	toluene	10/17/2022	Dry	1000
PECS -1	toluene	4/10/2023	<1.0	1000
PECS -1	toluene	10/27/2023	Dry	1000
PECS -1	toluene	4/2/2024	<1.0	1000
PECS -1	toluene	10/10/2024	Dry	1000
PECS -1	toluene	4/15/2025	<1.0	1000
PECS -1	toluene	10/6/2025	Dry	1000

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	GWPS Limit (ug/L)
PECS -1	Vinyl Chloride	10/25/2018	Dry	2
PECS -1	Vinyl Chloride	4/15/2019	<1.0	2
PECS -1	Vinyl Chloride	10/7/2019	<1.0	2
PECS -1	Vinyl Chloride	4/22/2020	Dry	2
PECS -1	Vinyl Chloride	10/1/2020	Dry	2
PECS -1	Vinyl Chloride	4/8/2021	<1.0	2
PECS -1	Vinyl Chloride	10/29/2021	<1.0	2
PECS -1	Vinyl Chloride	4/25/2022	<1.0	2
PECS -1	Vinyl Chloride	10/17/2022	Dry	2
PECS -1	Vinyl Chloride	4/10/2023	<1.0	2
PECS -1	Vinyl Chloride	10/27/2023	Dry	2
PECS -1	Vinyl Chloride	4/2/2024	<1.0	2
PECS -1	Vinyl Chloride	10/10/2024	Dry	2
PECS -1	Vinyl Chloride	4/15/2025	<1.0	2
PECS -1	Vinyl Chloride	10/6/2025	Dry	2

Bold GWPS = A Site Specific GWPS that is equal to the Prediction Limit. All other GWPS are IAC 567-137 Statewide Standards for Protected Groundwater.

Appendix I

Leachate Collection System Information & Map

Leachate Monitoring Point Map

Appendix I.1 – Treatment Agreements



**IOWA DEPARTMENT OF NATURAL RESOURCES
TREATMENT AGREEMENT FORM**

DNR USE ONLY

NPDES NO.

IND. CONT. AGREEMENT NO.

REPLACES AGREEMENT NO.

NOTICE

A properly executed Treatment Agreement must be submitted by the industrial user not less than one hundred eighty (180) days before the new significant industrial user proposes to discharge into a wastewater disposal system. Any proposed expansion, production increase, or process modification that may result in any change to a previous Treatment Agreement requires execution of a new Treatment Agreement.

SIGNIFICANT INDUSTRIAL USER

SYSTEM RECEIVING WASTE

NAME

Rural Iowa Waste Management Association

NAME

City of Alden

MAILING ADDRESS

20488 M Avenue, Eldora, Iowa 50627

MAILING ADDRESS

1018 Water Street, Box 26, Alden, IA 50006

AUTHORIZED REPRESENTATIVE

Dan Aastrup

PHONE NO.

641/858/5904

AUTHORIZED REPRESENTATIVE

Andy Jass

PHONE NO.

641/859/3344

CERTIFICATION OF INDUSTRIAL USER

I am the duly authorized representative for the significant industrial user identified above and state that the proposed discharge to the system receiving waste identified above shall not exceed the quantities listed on page two of this form after:

EFFECTIVE DATE

September 1, 2019

I further assure that notice of any anticipated increase in pollutants contributed shall be given to the owner of the system identified above sufficiently in advance of such increase to allow this contributor to submit a new treatment agreement to the Department of Natural Resources no later than sixty days in advance of the increase or change.

TYPED OR PRINTED NAME

Dan Aastrup

TITLE

Director

SIGNATURE

Dan Aastrup

DATE

8/22/2019

CERTIFICATION OF SYSTEM RECEIVING WASTE

I am the duly authorized representative for the facility owner named above and state that the owner agrees to accept the discharge described on page two from the contractor identified above, and accepts responsibility for providing treatment of the volume and quantities described on the reverse in accordance with the provisions of Chapter 455B, Code of Iowa, and the rules of the Department of Natural Resources. This agreement is conditioned on the industrial contributor complying with all applicable standards and requirements of the Department of Natural Resources and the United State Environmental Protection Agency. This agreement is entered for the purpose of identifying pollutants contributed and limiting the quantity contributed, and shall not otherwise be construed to affect local ordinances, sewer service agreements or fee systems entered into between the parties.

This agreement may be modified or terminated by the owner of the disposal system if additional pollutants or additional quantities or volumes of pollutants are contributed other than identified on the reverse, or because of any condition that requires either a temporary or permanent reduction or elimination of the accepted contribution.

TYPED OR PRINTED NAME

Jeff Fiscus

TITLE

Mayor

SIGNATURE

DATE



10. Payment

A. General Compensation

The City of Alden shall be paid \$0.05 by Rural Iowa Waste Management Association for each gallon of Leachate delivered to and treated by the City's Wastewater Treatment Facility.

B. Penalty Fees

Rural Iowa Waste Management Association shall pay the City of Alden penalty fees for violations of the Treatment Agreement in accordance with the following schedule:

1.	For each wastewater parameter (including pH) not tested at least one (1) time each month	\$100
2.	For exceeding Average Flow Limit	\$100
3.	For exceeding Maximum flow Limits	\$200
4.	For exceeding Average BOD5 Loading Limit	\$200
5.	For exceeding Maximum BOD5 Loading Limit	\$400
6.	For exceeding Average TSS Loading Limit	\$200
7.	For exceeding Maximum TSS Loading Limit	\$400
8.	For exceeding Average Ammonia Nitrogen Loading Limit	\$100
9.	For exceeding Maximum Ammonia Nitrogen Loading Limit	\$200
10.	For exceeding Average Oil & Grease Concentration Limit	\$100
11.	For exceeding Maximum Oil & Grease Concentration Limit	\$200

IOWA DEPARTMENT OF NATURAL RESOURCES

National Pollutant Discharge Elimination System (NPDES) Permit

OWNER NAME & ADDRESS

CITY OF ALDEN
1018 WATER STREET
PO BOX 26
ALDEN, IA 50006-0026

FACILITY NAME & ADDRESS

ALDEN CITY OF STP
INTERSECTION OF 135TH STREET &
G AVENUE
ALDEN, IA 50006-0026

Section 19, T89N, R21W
Hardin County

IOWA NPDES PERMIT NUMBER: 4213001

DATE OF ISSUANCE: 03/01/2020

DATE OF EXPIRATION: 02/28/2025

YOU ARE REQUIRED TO FILE FOR RENEWAL

OF THIS PERMIT BY: 09/01/2024

EPA NUMBER: IA0034339

This permit is issued pursuant to the authority of section 402(b) of the Clean Water Act (33 U.S.C 1342(b)), Iowa Code section 455B.174, and rule 567-64.3, Iowa Administrative Code. You are authorized to operate the disposal system and to discharge the pollutants specified in this permit in accordance with the effluent limitations, monitoring requirements and other terms set forth in this permit.

You may appeal any condition of this permit by filing a written notice of appeal and request for administrative hearing with the director of this department within 30 days of your receipt of this permit.

Any existing, unexpired Iowa operation permit or Iowa NPDES permit previously issued by the department for the facility identified above is revoked by the issuance of this permit. This provision does not apply to any authorization to discharge under the terms and conditions of a general permit issued by the department or to any permit issued exclusively for the discharge of stormwater.

FOR THE DEPARTMENT OF NATURAL RESOURCES

By _____

Ryan Olive
NPDES Section
Environmental Services Division

Facility Name: ALDEN CITY OF STP

Permit Number: 4213001

Outfall No.: 001 CONTROLLED DISCHARGE FROM A THREE CELL WASTE STABILIZATION LAGOON.

Receiving Stream: IOWA RIVER

Route of Flow: IOWA RIVER

Class A1 waters are primary contact recreational use waters in which recreational or other uses may result in prolonged and direct contact with the water, involving considerable risks of ingesting water in quantities sufficient to pose a health hazard. Such activities would include, but not be limited to, swimming, diving, water skiing, and water contact recreational canoeing.

Waters designated Class B(WW1) are those in which temperature, flow and other habitat characteristics are suitable to maintain warm water game fish populations along with a resident aquatic community that includes a variety of native nongame fish and invertebrates species. These waters generally include border rivers, large interior rivers, and the lower segments of medium-size tributary streams.

Waters designated Class HH are those in which fish are routinely harvested for human consumption or waters both designated as a drinking water supply and in which fish are routinely harvested for human consumption.

Outfall No.: 002 BYPASS FROM LIFT STATION AT CENTER STREET AND WATER STREET

Receiving Stream: IOWA RIVER

Route of Flow: IOWA RIVER

Class A1 waters are primary contact recreational use waters in which recreational or other uses may result in prolonged and direct contact with the water, involving considerable risks of ingesting water in quantities sufficient to pose a health hazard. Such activities would include, but not be limited to, swimming, diving, water skiing, and water contact recreational canoeing.

Waters designated Class B(WW1) are those in which temperature, flow and other habitat characteristics are suitable to maintain warm water game fish populations along with a resident aquatic community that includes a variety of native nongame fish and invertebrates species. These waters generally include border rivers, large interior rivers, and the lower segments of medium-size tributary streams.

Waters designated Class HH are those in which fish are routinely harvested for human consumption or waters both designated as a drinking water supply and in which fish are routinely harvested for human consumption.

Bypasses from any portion of a treatment facility or from a sanitary sewer collection system designed to carry only sewage are prohibited.

Facility Name: ALDEN CITY OF STP
 Permit Number: 4213001

Effluent Limitations:

You are prohibited from discharging pollutants except in compliance with the following effluent limitations:

001 CONTROLLED DISCHARGE FROM A THREE CELL WASTE STABILIZATION LAGOON.

<i>Outfall: 001 Effective Dates: 03/01/2020 to 02/28/2025</i>			
Parameter	Season	Limit Type	Limits
CBOD5			
	Yearly	7 Day Average	40 MG/L
	Yearly	30 Day Average	25 MG/L
TOTAL SUSPENDED SOLIDS			
	Yearly	7 Day Average	120 MG/L
	Yearly	30 Day Average	80 MG/L
PH			
	Yearly	Daily Maximum	9.0 STD UNITS
	Yearly	Daily Minimum	6.5 STD UNITS

Facility Name: ALDEN CITY OF STP

Permit Number: 4213001

Monitoring and Reporting Requirements

(a) Samples and measurements taken shall be representative of the volume and nature of the monitored wastewater.

(b) Analytical and sampling methods specified in 40 CFR Part 136 or other methods approved in writing by the department shall be utilized. All effluent samples for which a limit applies must be analyzed using sufficiently sensitive methods (i.e. testing procedures) approved under 567 IAC Chapter 63 and 40 CFR Part 136 for the analysis of pollutants or pollutant parameters or as required under 40 CFR chapter I, subchapter N or O.

For the purposes of this paragraph, an approved method is "sufficiently sensitive" when:

- (1) the method minimum level (ML) is at or below the level of the effluent limit established in the permit for the measured pollutant or pollutant parameter; or
- (2) the method has the lowest ML of the approved analytical methods for the measured pollutant or pollutant parameter.

Samples collected for operational testing need not be analyzed by approved analytical methods; however, commonly accepted test methods should be used.

(c) Chapter 63 of the rules provides you with further explanation of your monitoring requirements.

(d) You are required to report all data including calculated results needed to determine compliance with the limitations contained in this permit. This includes daily maximums and minimums, 30-day averages and 7-day averages for all parameters that have concentration (mg/l) and mass (lbs/day) limits. Also, flow data shall be reported in million gallons per day (MGD).

(e) Results of all monitoring shall be recorded on forms provided by, or approved by, the department, and submitted to the department by the fifteenth day following the close of the reporting period.

(f) Results of all monitoring shall be recorded on forms provided by, or approved by, the department, and shall be submitted to the appropriate regional field office of the department by the fifteenth day following the close of the reporting period. Your reporting period is on a MONTHLY basis, ending on the last day of each reporting period.

Facility Name: ALDEN CITY OF STP
 Permit Number: 4213001

Outfall	Wastewater Parameter	Sample Frequency	Sample Type	Monitoring Location
The following monitoring requirements shall be in effect from 03/01/2020 to 02/28/2025				
001	BIOCHEMICAL OXYGEN DEMAND (BOD5)	1 EVERY 3 MONTHS	24 HOUR COMPOSITE	RAW WASTE
001	FLOW	7/WEEK OR DAILY	24 HOUR TOTAL	RAW WASTE
001	PH	1 EVERY 3 MONTHS	GRAB	RAW WASTE
001	TOTAL SUSPENDED SOLIDS	1 EVERY 3 MONTHS	24 HOUR COMPOSITE	RAW WASTE
001	CBOD5	PRIOR TO DISCHARGE	GRAB	PRE-DISCHARGE SAMPLE
001	TOTAL SUSPENDED SOLIDS	PRIOR TO DISCHARGE	GRAB	PRE-DISCHARGE SAMPLE
001	AMMONIA NITROGEN (N)	TWICE PER DRAWDOWN	GRAB	FINAL EFFLUENT
001	CBOD5	TWICE PER DRAWDOWN	GRAB	FINAL EFFLUENT
001	E. COLI	TWICE PER DRAWDOWN	GRAB	FINAL EFFLUENT
001	FLOW	DAILY DURING DRAWDOWN	INSTANTANEOUS	FINAL EFFLUENT
001	PH	1/WEEK DURING DRAWDOWN	GRAB	FINAL EFFLUENT
001	TOTAL SUSPENDED SOLIDS	TWICE PER DRAWDOWN	GRAB	FINAL EFFLUENT
001	CELL DEPTH	2 TIMES PER WEEK	MEASUREMENT	CELL 3 CONTENTS
001	CELL DEPTH	2 TIMES PER WEEK	MEASUREMENT	CELL 2 CONTENTS
001	CELL DEPTH	2 TIMES PER WEEK	MEASUREMENT	CELL 1 CONTENTS

Facility Name: ALDEN CITY OF STP
Permit Number: 4213001

Special Monitoring Requirements

Outfall # Description

001 E. COLI

If the effluent has been disinfected using chlorine, ultraviolet light (UV), or any other process intended to disrupt the biological integrity of the E. coli, the samples shall be analyzed using the Most Probable Number method found in Standard Method 9223B (Colilert® or Colilert-18® made by IDEXX Laboratories, Inc.). If the effluent has not been disinfected the samples may be analyzed using either the MPN method above or EPA Method 1603: Escherichia coli (E. coli) in water by membrane filtration using modified membrane-thermotolerant E. coli agar (modified mTEC) or mColiBlue-24® made by the Hach Company.

Facility Name: ALDEN CITY OF STP
Permit Number: 4213001

Significant Industrial User Discharges:

Significant Industrial User: RURAL IOWA WASTE MANAGEMENT ASSOCIATION LANDFILL

Outfall # Outfall Description

001 LANDFILL LEACHATE TRANSPORTED AND DISCHARGED BY
5-5000 GALLON/LOAD TANK TRUCK TO DESIGNATED LOCATION

Significant Industrial User Effluent Limitations

You are prohibited from discharging pollutants except in compliance with the following effluent limitations:

RURAL IOWA WASTE MANAGEMENT ASSOCIATION LANDFILL			
Outfall: 001 Effective Dates: 03/01/2020 to 02/28/2025			
<u>Parameter</u>	<u>Season</u>	<u>Limit Type</u>	<u>Limit Values</u>
FLOW			
	Yearly	30 Day Average	0.018 MGD
	Yearly	DAILY MAXIMUM	0.018 MGD
BIOCHEMICAL OXYGEN DEMAND (BOD5)			
	Yearly	30 Day Average	79 LBS/DAY
	Yearly	DAILY MAXIMUM	347 LBS/DAY
TOTAL SUSPENDED SOLIDS			
	Yearly	30 Day Average	60 LBS/DAY
	Yearly	DAILY MAXIMUM	80 LBS/DAY
AMMONIA NITROGEN (N)			
	Yearly	30 Day Average	15 LBS/DAY
	Yearly	DAILY MAXIMUM	24 LBS/DAY
OIL AND GREASE			
	Yearly	30 Day Average	25 MG/L
	Yearly	DAILY MAXIMUM	100 MG/L
PH			
	Yearly	DAILY MAXIMUM	9.0 STD UNITS
	Yearly	DAILY MINIMUM	6.0 STD UNITS

Facility Name: ALDEN CITY OF STP
Permit Number: 4213001

Monitoring and Reporting Requirements

- (a) Samples and measurements taken shall be representative of the volume and nature of the monitored wastewater.
- (b) Analytical and sampling methods specified in 40 CFR Part 136 or other methods approved in writing by the department shall be utilized. All effluent samples for which a limit applies must be analyzed using sufficiently sensitive methods (i.e. testing procedures) approved under 567 IAC Chapter 63 and 40 CFR Part 136 for the analysis of pollutants or pollutant parameters or as required under 40 CFR chapter I, subchapter N or O.

For the purposes of this paragraph, an approved method is "sufficiently sensitive" when:

- (1) the method minimum level (ML) is at or below the level of the effluent limit established in the permit for the measured pollutant or pollutant parameter; or
- (2) the method has the lowest ML of the approved analytical methods for the measured pollutant or pollutant parameter.

Samples collected for operational testing need not be analyzed by approved analytical methods; however, commonly accepted test methods should be used.

- (c) Chapter 63 of the rules provides you with further explanation of your monitoring requirements.
- (d) You are required to report all data including calculated results needed to determine compliance with the limitations contained in this permit. This includes daily maximums and minimums, 30-day averages and 7-day averages for all parameters that have concentration (mg/l) and mass (lbs/day) limits. Also, flow data shall be reported in million gallons per day (MGD).
- (e) Results of all monitoring shall be recorded on forms provided by, or approved by, the department, and submitted to the department by the fifteenth day following the close of the reporting period.
- (f) Results of all monitoring shall be recorded on forms provided by, or approved by, the department, and shall be submitted to the appropriate regional field office of the department by the fifteenth day following the close of the reporting period. Your reporting period is on a MONTHLY basis, ending on the last day of each reporting period.

Facility Name: ALDEN CITY OF STP
Permit Number: 4213001

RURAL IOWA WASTE MANAGEMENT ASSOCIATION LANDFILL

Outfall	Wastewater Parameter	Sample Frequency	Sample Type	Monitoring Location
001	AMMONIA NITROGEN (N)	1 EVERY MONTH	GRAB	PRIOR TO DISCHARGE TO CITY SEWER
001	BIOCHEMICAL OXYGEN DEMAND (BOD5)	1 EVERY MONTH	GRAB	PRIOR TO DISCHARGE TO CITY SEWER
001	FLOW	1 EVERY BATCH	24 HOUR TOTAL	PRIOR TO DISCHARGE TO CITY SEWER
001	OIL AND GREASE	1 EVERY MONTH	GRAB	PRIOR TO DISCHARGE TO CITY SEWER
001	PH	1 EVERY MONTH	GRAB	PRIOR TO DISCHARGE TO CITY SEWER
001	SANITARY LANDFILL LEACHATE	1 EVERY 12 MONTHS	GRAB	PRIOR TO DISCHARGE TO CITY SEWER
001	TOTAL SUSPENDED SOLIDS	1 EVERY MONTH	GRAB	PRIOR TO DISCHARGE TO CITY SEWER

Facility Name: ALDEN CITY OF STP
Permit Number: 4213001

ADDITIONAL MONITORING REQUIREMENTS – RURAL IOWA WASTE MANAGEMENT ASSOCIATION LANDFILL

The permittee shall analyze a representative sample of the leachate discharge from the Rural Iowa Waste Management Association Landfill at least annually for each of the pollutants listed below. Also, the permittee shall monitor the volume of waste discharged and BOD₅, TSS, pH, ammonia nitrogen and oil & grease at the frequencies specified on page 9 of this permit.

Conventional Pollutants and Metals	Volatile Compounds	Acid Extractable Compounds
Biochemical Oxygen Demand (BOD ₅)	Method of Analysis: EPA Methods 624 or 1624	Method of Analysis: EPA Methods 625 or 1625
Total Organic Carbon	Chloromethane (methyl chloride)	2-Chlorophenol
Total Dissolved Solids	Bromomethane (methyl bromide)	2-Nitrophenol
Total Suspended Solids	Vinyl chloride	2,4-Dimethylphenol
Ammonia Nitrogen	Chloroethane (ethyl chloride)	Benzoic acid
pH	Methylene chloride (dichloromethane)	2,4-Dichlorophenol
Arsenic, Total (as As)	1,1-Dichloroethene (1,1-dichloroethylene)	4-Chloro-3-methylphenol
Barium, Total (as Ba)	1,1-Dichloroethane	2,4,6-Trichlorophenol
Cadmium, Total (as Cd)	1,2-Dichloroethene (1,2-dichloroethylene)	2,4,5-Trichlorophenol
Chromium, Total (as Cr)	Chloroform	2,4-Dinitrophenol
Copper, Total (as Cu)	1,2-Dichloroethane	4-Nitrophenol
Iron, Total (as Fe)	1,1,1-Trichloroethane (methyl chloroform)	4,6-Dinitro-2-methylphenol
Lead, Total (as Pb)	Carbon tetrachloride	Pentachlorophenol
Mercury, Total (as Hg)	Bromodichloromethane	
Nickel, Total (as Ni)	1,1,2,2-Tetrachloroethane	
Selenium, Total (as Se)	1,2-Dichloropropane	
Silver, Total (as Ag)	1,3-Dichloropropene	
Zinc, Total (as Zn)	Trichloroethene	
	Dibromochloromethane	
	1,1,2-Trichloroethane	
	Benzene	
	2-Chloroethyl vinyl ether	
	Bromoform	
	Tetrachloroethene	
	Toluene	
	Chlorobenzene	
	Ethylbenzene	

Facility Name: ALDEN CITY OF STP
Permit Number: 4213001

Chlorinated Hydrocarbon Insecticides		Base/Neutral Compounds		Base/Neutral Compounds - continued	
<u>Methods of Analysis: EPA Methods 608 or 625</u>		<u>Methods of Analysis: EPA Methods 625 or 1625</u>			
Beta BHC		bis (2-chloroethyl) ether		Di-n-butyl phthalate	
Delta BHC		1,3-Dichlorobenzene		Fluoranthene	
Gamma BHC		1,4-Dichlorobenzene		Pyrene	
Heptachlor		Benzyl alcohol		Butyl benzyl phthalate	
Aldrin		1,2-Dichlorobenzene		3,3'-Dichlorobenzidine	
Heptachlor epoxide		bis (2-chloroisopropyl) ether		Benzo (a) anthracene	
Endosulfan		N-Nitroso-dipropylamine		bis (2-ethylhexyl) phthalate	
Dieldrin		Hexachloroethane		Chrysene	
4,4'-DDE		Nitrobenzene		Di-n-octyl phthalate	
Endrin		Isophorone		Benzo (b) fluoranthene	
Endosulfan II		bis (2-chloroethoxy) methane		Benzo (k) fluoranthene	
4,4'-DDD		1,2,4-Trichlorobenzene		Benzo (a) pyrene	
Endosulfan sulfate		Naphthalene		Indeno (1,2,3-cd) pyrene	
4,4'-DDT		Hexachlorobutadiene		Dibenz (a,h) anthracene	
Endrin aldehyde		Hexachlorocyclopentadiene		Benzo (g,h,i) perylene	
Chlordane		2-Chloronaphthalene			
Toxaphene		Dimethyl phthalate			
		Acenaphthylene			
		Acenaphthene			
		Dibenzofuran			
		2,4-Dinitrotoluene			
		2,6-Dinitrotoluene			
		Diethyl phthalate			
		4-Chlorophenyl phenyl ether			
		Fluorene			
		N-Nitrosodiphenylamine			
		4-Bromophenyl phenyl ether			
		Hexachlorobenzene			
		Phenanthrene			
		Anthracene			
Polychlorinated Biphenyls					
<u>Methods of Analysis: EPA Methods 608 or 625</u>					
Arochlor-1016					
Arochlor-1221					
Arochlor-1232					
Arochlor-1242					
Arochlor-1248					
Arochlor-1254					
Arochlor-1260					

Facility Name: ALDEN CITY OF STP
Permit Number: 4213001

Design Capacity

Design: 1

The design capacity for the treatment works is specified in Construction Permit Number 96-217-S, issued Friday, April 26, 1996. The treatment plant is designed to treat:

- * An average dry weather (ADW) flow of 0.1030 Million Gallons Per Day (MGD).
- * An average wet weather (AWW) flow of 0.2000 Million Gallons Per Day (MGD).
- * A maximum wet weather (MWW) flow of 0.4500 Million Gallons Per Day (MGD).
- * A design 5-day biochemical oxygen demand (BOD5) load of 232 lbs/day.

Operator Certification Type/Grade: WL/IL

Wastes in such volumes or quantities as to exceed the design capacity of the treatment works or reduce the effluent quality below that specified in the operation permit of the treatment works are considered to be a waste which interferes with the operation or performance of the treatment works and are prohibited by subrule IAC 567-62.1(7).

Facility Name: ALDEN CITY OF STP
Permit Number: 4213001

SEWAGE SLUDGE HANDLING AND DISPOSAL REQUIREMENTS

"Sewage sludge" is solid, semisolid, or liquid residue generated during the treatment of domestic sewage in a treatment works. Sewage sludge does not include the grit and screenings generated during preliminary treatment.

1. The permittee shall comply with all existing Federal and State laws and regulations that apply to the use and disposal of sewage sludge and with technical standards developed pursuant to Section 405(d) of the Clean Water Act when such standards are promulgated. If an applicable numerical limit or management practice for pollutants in sewage sludge is promulgated after issuance of this permit that is more stringent than a sludge pollutant limit or management practice specified in existing Federal or State laws or regulations, this permit shall be modified, or revoked and reissued, to conform to the regulations promulgated under Section 405(d) of the Clean Water Act. The permittee shall comply with the limitation no later than the compliance deadline specified in the applicable regulations.
2. The permittee shall provide written notice to the Department of Natural Resources prior to any planned changes in sludge disposal practices.
3. Land application of sewage sludge shall be conducted in accordance with criteria established in rule IAC 567 67.1 through 67.11 (455B).

Facility Name: ALDEN CITY OF STP

Permit Number: 4213001

Controlled Discharge Lagoon Operation and Sampling Procedures

OPERATION REQUIREMENTS

Continuous discharge of wastewater from this facility is prohibited. The treatment plant must be operated using a storage/drawdown mode of operating. Wastewater must be stored for approximately 180 days after which time the water level is to be lowered to make room for the next storage period. Acceptable discharge periods are April 15th through June 15th and October 1st through December 21st. Lagoon drawdown shall occur during these periods except in emergency situations. The permittee is required to contact the local DNR Field Office and obtain prior approval if there is a need to discharge during other times of the year, when stream flows are low or if the effluent limitations specified in this permit will not be met. Lagoon drawdown at a rate greater than 10 times the 180 day AWW design flow is prohibited.

PRE-DISCHARGE SAMPLING

The permittee is responsible for complying with the limits contained in this permit. Therefore, a grab sample of the lagoon cell contents collected at a point near the outlet structure shall be analyzed at least two weeks prior to an anticipated discharge to demonstrate that the wastewater is of such quality to meet the effluent limitations in the permit. The permittee must have the sample analyzed for 5-day carbonaceous biochemical oxygen demand (CBOD5) and total suspended solids (TSS). The results must be compared with the 30-day average effluent limits. If the results are less than the 30-day average limits, the permittee may isolate the final cell and draw down the lagoon cell. If the pre-discharge sample results exceed the 30-day average effluent limits for either CBOD5 or TSS, the permittee must contact the local DNR Field Office for guidance before beginning to discharge.

Report pre-discharge sample results in the spaces provided on the monthly operation report form.

EFFLUENT SAMPLING

The permittee must collect and analyze a sample of the final effluent on the third day after discharge begins for all parameters for which monitoring of the final effluent is specified on the page titled MONITORING AND REPORTING REQUIREMENTS. Subsequent samples shall be taken at the specified frequencies. For final effluent samples that are required to be taken twice during drawdown, the first sample shall be taken the third day after the drawdown begins, and the second sample shall be taken between three (3) and five (5) days before the drawdown ends. Report the results on the discharge monitoring report (DMR) form in the columns provided for effluent monitoring. The results must be reported for the days the samples were collected, not for the days the sample results were received from the laboratory.

Revised: April 10, 2013

Facility Name: ALDEN CITY OF STP
Permit Number: 4213001

MAJOR CONTRIBUTING INDUSTRIES LIMITATIONS, MONITORING AND REPORTING REQUIREMENTS

1. You are required to notify the department, in writing, of any of the following:

(a) 180 days prior to the introduction of pollutants to your facility from a significant industrial user. A significant industrial user means an industrial user of a treatment works that:

- (1) Discharges an average of 25,000 gallons per day or more of process wastewater excluding sanitary, noncontact cooling and boiler blowdown wastewater;
- (2) Contributes a process waste stream which makes up five percent or more of the average dry weather hydraulic or organic capacity of the publicly-owned treatment works;
- (3) Is subject to Categorical Pretreatment Standards under 40 CFR 403.6 and 40 CFR Chapter I, Subchapter N; or
- (4) Is designated by the department as a significant industrial user on the basis that the contributing industry, either singly or in combination with other contributing industries, has a reasonable potential for adversely affecting the operation of or effluent quality from the publicly-owned treatment works or for violating any pretreatment standards or requirements.

(b) 60 days prior to a proposed expansion, production increase or process modification that may result in the discharge of a new pollutant or a discharge in excess of limitations stated in the existing treatment agreement.

(c) 10 days prior to any commitment by you to accept waste from any new significant industrial user. Your written notification must include a new or revised treatment agreement in accordance with rule 64.3(5)(455B).

2. You shall require all users of your facility to comply with Sections 204(b), 307 and 308 of the Clean Water Act.

Section 204(b) requires that all users of the treatment works constructed with funds provided under Sections 201(g) or 601 of the Act to pay their proportionate share of the costs of operation, maintenance and replacement of the treatment works.

Section 307 of the Act requires users to comply with pretreatment standards promulgated by EPA for pollutants that would cause interference with the treatment process or would pass through the treatment works.

Section 308 of the Act requires users to allow access at reasonable times to state and EPA inspectors for the purpose of sampling the discharge and reviewing and copying records.

3. You shall limit and monitor pollutants for each significant industrial user as required elsewhere in this permit, and submit sample results to the department monthly. Your report shall be submitted by the fifteenth day of the following month.

Revised: June 16, 2009 CAC

STANDARD CONDITIONS

1. ADMINISTRATIVE RULES

Rules of this Department that govern the operation of your facility in connection with this permit are published in Part 567 of the Iowa Administrative Code (IAC) in Chapters 60-65, 67, and 121. Reference to the term "rule" in this permit means the designated provision of Part 567 of the IAC. Reference to the term "CFR" means the Code of Federal Regulations.

2. DEFINITIONS

- (a) 7 day average means the sum of the total daily discharges by mass, volume, or concentration during a 7 consecutive day period, divided by the total number of days during the period that measurements were made. Four 7 consecutive day periods shall be used each month to calculate the 7-day average. The first 7-day period shall begin with the first day of the month.
- (b) 30 day average means the sum of the total daily discharges by mass, volume, or concentration during a calendar month, divided by the total number of days during the month that measurements were made.
- (c) Daily maximum means the total discharge by mass, volume, or concentration during a twenty-four hour period.

3. DUTY TO PROVIDE INFORMATION

You must furnish to the Director, within a reasonable time, any information the Director may request to determine compliance with this permit or determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, in accordance with 567 IAC 64.3(11)"c". You must also furnish to the Director, upon request, copies of any records required to be kept by this permit.

4. MONITORING AND RECORDS OF OPERATION

- (a) Maintenance of records. You shall retain for a minimum of three years all paper and electronic records of monitoring activities and results including all original strip chart recordings for continuous monitoring instrumentation and calibration and maintenance records. *{See 567 IAC 63.2(3)}*
- (b) Any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000 or by imprisonment for not more than two years, or both. *{See 40 CFR 122.41(j)(5)}*

5. SIGNATORY REQUIREMENTS

Applications, reports or other information submitted to the Department in connection with this permit must be signed and certified in accordance with 567 IAC 64.3(8).

6. OTHER INFORMATION

Where you become aware that you failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application, you must promptly submit such facts or information. Where you become aware that you failed to submit any relevant facts in the submission of in any report to the director, including records of operation, you shall promptly submit such facts or information. *{See 567 IAC 60.4(2)"a" and 567 IAC 63.7}*

7. TRANSFER OF TITLE OR OWNER ADDRESS CHANGE

If title to your facility, or any part of it, is transferred the new owner shall be subject to this permit. You are required to notify the new owner of the requirements of this permit in writing prior to any transfer of title. The Director shall be notified in writing within 30 days of the transfer. No transfer of the authorization to discharge from the facility represented by the permit shall take place prior to notifying the department of the transfer of title. Whenever the address of the owner is changed, the department shall be notified in writing within 30 days of the address change. Electronic notification is not sufficient; all title transfers or address changes must be reported to the department by mail. *{See 567 IAC 64.14}*

8. PROPER OPERATION AND MAINTENANCE

All facilities and control systems shall be operated as efficiently as possible and maintained in good working order. A sufficient number of staff, adequately trained and knowledgeable in the operation of your facility shall be retained at all times and adequate laboratory controls and appropriate quality assurance procedures shall be provided to maintain compliance with the conditions of this permit. *{See 40 CFR 122.41(e) and 567 IAC 64.7(7)"f"}*

9. PERMIT MODIFICATION, SUSPENSION OR REVOCATION

- (a) This permit may be modified, suspended, or revoked and reissued for cause including but not limited to those specified in 567 IAC 64.3(11).
 - (b) This permit may be modified due to conditions or information on which this permit is based, including any new standard the department may adopt that would change the required effluent limits. *{See 567 IAC 64.3(11)}*
 - (c) If a toxic pollutant is present in your discharge and more stringent standards for toxic pollutants are established under Section 307(a) of the Clean Water Act, this permit will be modified in accordance with the new standards. *{See 40 CFR 122.62(a)(6) and 567 IAC 64.7(7)"g"}*
- The filing of a request for a permit modification, revocation or suspension, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

10. DUTY TO REAPPLY AND PERMIT CONTINUATION

If you wish to continue to discharge after the expiration date of this permit, you must file a complete application for reissuance at least 180 days prior to the expiration date of this permit. If a timely and sufficient application is submitted, this permit will remain in effect until the Department makes a final determination on the permit application. *{See 567 IAC 64.8(1) and Iowa Code 17A.18}*

11. DUTY TO COMPLY

You must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act and is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Issuance of this permit does not relieve you of the responsibility to comply with all local, state and federal laws, ordinances, regulations or other legal requirements applying to the operation of your facility. *{See 40 CFR 122.41(a) and 567 IAC 64.7(4)"e"}*

STANDARD CONDITIONS

12. DUTY TO MITIGATE

You shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. *{See 40 CFR 122.41(d) and 567 IAC 64.7(7)“f”}*

13. TWENTY-FOUR HOUR REPORTING

You shall report any noncompliance that may endanger human health or the environment, including, but not limited to, violations of maximum daily limits for any toxic pollutant (listed as toxic under 307(a)(1) of the Clean Water Act) or hazardous substance (as designated in 40 CFR Part 116 pursuant to 311 of the Clean Water Act). Information shall be provided orally within 24 hours from the time you become aware of the circumstances. A written submission that includes a description of noncompliance and its cause; the period of noncompliance including exact dates and times, whether the noncompliance has been corrected or the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent a recurrence of the noncompliance must be provided within 5 days of the occurrence. *{See 567 IAC 63.12}*

14. OTHER NONCOMPLIANCE

You shall report all instances of noncompliance not reported under Condition #13 at the time monitoring reports are submitted. You shall give advance notice to the appropriate regional field office of the department of any planned activity which may result in noncompliance with permit requirements. *{See 567 IAC 63.14}*

15. INSPECTION OF PREMISES, RECORDS, EQUIPMENT, METHODS AND DISCHARGES

You are required to permit authorized personnel to:

- (a) Enter upon the premises where a regulated facility or activity is located or conducted or where records are kept under conditions of this permit;
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) Inspect, at reasonable times, any facilities, equipment, practices or operations regulated or required under this permit; and
- (d) Sample or monitor, at reasonable times, to assure compliance or as otherwise authorized by the Clean Water Act.

16. FAILURE TO SUBMIT FEES

This permit may be revoked, in whole or in part, if the appropriate permit fees are not submitted within thirty (30) days of the date of notification that such fees are due. *{See 567 IAC 64.16(1)}*

17. NEED TO HALT OR REDUCE ACTIVITY

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. *{See 40 CFR 122.41(c) and 567 IAC 64.7(7)“f”}*

18. NOTICE OF CHANGED CONDITIONS

You are required to notify the director of any changes in existing conditions or information on which this permit is based. This includes, but is not limited to, the following:

- (a) If your facility is a publicly owned treatment works (POTW) or otherwise may accept waste for treatment from an indirect discharger or industrial contributor (See 567 IAC 64.3(5) for further notice requirements).
- (b) If your facility is a POTW and there is any substantial change in the volume or character of pollutants being introduced to the POTW by a source introducing pollutants into the POTW at the time of issuance of the permit. *{See 40 CFR 122.42(b)}*
- (c) As soon as you know or have reason to believe that any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in this permit. *{See 40 CFR 122.42(a)}*
- (d) If you have begun or will begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the permit application.

19. PLANNED CHANGES

The permittee shall give notice to the appropriate regional field office of the department 30 days prior to any planned physical alterations or additions to the permitted facility. Notice is required only when:

- (a) Notice has not been given to any other section of the department. (Note: Facility expansions, production increases, or process modifications which may result in new or increased discharges of pollutants must be reported to the Director in advance. If such discharges will exceed effluent limitations, your report must include an application for a new permit. If any modification of, addition to, or construction of a disposal system is to be made, you must first obtain a written permit from this Department. In addition, no construction activity that will result in disturbance of one acre or more shall be initiated without first obtaining coverage under NPDES General Permit No. 2 for “Storm water discharge associated with construction activity.”) *{See 567 IAC 64.7(7)“a” and 64.2}*
- (b) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source as defined in 567 IAC 60.2;
- (c) The alteration or addition results in a significant change in the permittee’s sludge use or disposal practices; or
- (d) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants that are not subject to effluent limitations in the permit. *{See 567 IAC 63.13 and 63.14}*

20. USE OF CERTIFIED LABORATORIES

Analyses of wastewater, groundwater or sewage sludge that are required to be submitted to the department as a result of this permit must be performed by a laboratory certified by the State of Iowa. Routine, on-site monitoring for pH, temperature, dissolved oxygen, total residual chlorine and other pollutants that must be analyzed immediately upon sample collection, settleable solids, physical measurements, and operational monitoring tests specified in 567 IAC 63.3(4) are excluded from this requirement.

STANDARD CONDITIONS

21. BYPASSES

- (a) Definition. "Bypass" means the diversion of waste streams from any portion of a treatment facility or collection system. A bypass does not include internal operational waste stream diversions that are part of the design of the treatment facility, maintenance diversions where redundancy is provided, diversions of wastewater from one point in a collection system to another point in a collection system, or wastewater backups into buildings that are caused in the building lateral or private sewer line.
- (b) Prohibitions.
- Bypasses from any portion of a treatment facility or from a sanitary sewer collection system designed to carry only sewage are prohibited.
 - Bypass is prohibited and the department may not assess a civil penalty against a permittee for bypass if the permittee has complied with all of the following:
 - Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and
 - There were no feasible alternatives to the bypass such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
 - The permittee submitted notices as required by paragraph (d) of this section.
- (c) The Director may approve an anticipated bypass after considering its adverse effects if the Director determines that it will meet the three conditions listed above and a request for bypass has been submitted to the Department in accordance with 567 IAC 63.6(2).
- (d) Reporting bypasses. Bypasses shall be reported in accordance with 567 IAC 63.6.

22. UPSET PROVISION

- (a) Definition. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
- (b) Effect of an upset. An upset constitutes an affirmative defense in an action brought for noncompliance with such technology based permit effluent limitations if the requirements of paragraph "c" of this condition are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.

- (c) Conditions necessary for demonstration of an upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate through properly signed operating logs or other relevant evidence that:
- An upset occurred and that the permittee can identify the cause(s) of the upset;
 - The permitted facility was at the time being properly operated;
 - The permittee submitted notice of the upset to the Department in accordance with 567 IAC 63.6(3); and
 - The permittee complied with any remedial measures required in accordance with 567 IAC 63.6(6)"b".
- (d) Burden of Proof. In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.

23. PROPERTY RIGHTS

This permit does not convey any property rights of any sort or any exclusive privilege.
{See 567 IAC 64.4(3) "b"}

24. EFFECT OF A PERMIT

Compliance with a permit during its term constitutes compliance, for purposes of enforcement, with Sections 301, 302, 306, 307, 318, 403 and 405(a)-(b) of the Clean Water Act, and equivalent limitations and standards set out in 567 IAC Chapters 61 and 62. *{See 567 IAC 64.4(3) "a"}*

25. SEVERABILITY

The provisions of this permit are severable and if any provision or application of any provision to any circumstance is found to be invalid by this department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding.



**DES MOINES METROPOLITAN
WASTEWATER RECLAMATION AUTHORITY**
CITY OF DES MOINES, OPERATING CONTRACTOR

September 23, 2021

Dan Aastrup
Rural Iowa Waste Management
20488 M Ave
Eldora, IA 50627

RE: Hauled Waste Discharge Permit No. B10160

Dear Mr. Aastrup:

Enclosed is your Hauled Waste Discharge Permit for the Rural Iowa Waste Management facility in Eldora, IA. This permit is effective until the expiration date; however, an annual permit fee will be due.

Please keep us informed of any changes that may affect your facility's hauled waste discharge frequency or characteristics. Questions should be directed to Paul Ebert, in Industrial Pretreatment, at 515/323-8133.

Sincerely,

Larry Hare
WRF Treatment Manager
WRA Wastewater Reclamation Facility

LH/ajf

Enc: Hauled Wastewater Discharge Permit

CC: T. Whipple, HLW Engineering, 204 W. Broad St, PO Box 314, Story City, IA 50248
File

WORKING TOGETHER FOR CLEAN WATER

Phone 515/323-8000 • Fax 515/323-8050 • www.dmmwra.org
3000 Vandalia Road • Des Moines, Iowa 50317-1346



recycled paper



**DES MOINES METROPOLITAN
WASTEWATER RECLAMATION AUTHORITY**

CITY OF DES MOINES, OPERATING CONTRACTOR

**DES MOINES METROPOLITAN WASTEWATER RECLAMATION AUTHORITY
HAULED WASTE DISCHARGE PERMIT
PERMIT NO. B10160**

In accordance with the provisions of the Municipal Code of Des Moines, Chapter 118, Article III known as the Industrial Waste Ordinance,

Rural Iowa Waste Management
20488 M Ave
Eldora, IA 50627

is hereby authorized to deliver wastewater from the RCRA Subtitle D non-hazardous landfill via a properly licensed and maintained tank truck to the Des Moines Metropolitan Wastewater Reclamation Facility in accordance with the conditions set forth in this permit. Compliance with this permit does not relieve the industrial user of its obligations to comply with all applicable pretreatment regulations, standards, requirements, or laws that are or may become effective during the term of this permit.

Noncompliance with any term or condition of this permit shall constitute a violation of the City of Des Moines Industrial Waste Ordinance.

EFFECTIVE DATE: October 1, 2021

EXPIRATION DATE: September 30, 2025

RENEWAL DATE: June 30, 2025

The industrial user must file an application for permit renewal 90 days prior to the expiration date.

Scott Hutchens, P.E., WRA Director
City of Des Moines
WRA Wastewater Reclamation Facility

REVISED: August 12, 2021

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3000 Vandalia Road • Des Moines, Iowa 50317-1346



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PART 1 - REQUIREMENTS RELATING TO TRUCKED WASTES

The Des Moines Metropolitan Wastewater Reclamation Authority (WRA) will accept process wastewater from the Industrial User (IU) under the following terms:

A. Process Wastewater Characteristics and Volume

1. The pH of any load must not be less than 5.0 S.U. or greater than 12.0 S.U.
2. The COD of any load delivered to the headworks (Structure 07) must not exceed 100,000 mg/L.
3. The Arsenic Daily Maximum concentration of any load shall not exceed 0.38 mg/L, and the Total Daily Loading of Arsenic shall not exceed 0.014 lbs/day.
4. Total Toxic Organics (TTO) will be monitored routinely by the WRA. TTOs are sum of all volatile organic compounds detected using EPA Method 624.
5. The number of truck loads delivered to the Des Moines Metropolitan Wastewater Reclamation Facility (WRF) shall not exceed five (5) per day. The IU may request an increase in writing. The WRA reserves the right to further restrict the volume of leachate per day in order to meet pollutant loading limits for the WRF as identified in Chapter 118-343.
6. Hauled waste shall be delivered to the headworks (Structure 07) at the WRF, unless directed otherwise by WRA personnel.
7. Only landfill leachate wastewater is allowed by truck without advanced notice to and permission from the WRA Director.

B. Treatment Charges

1. Charges must cover 150% of the costs incurred by the WRA to handle and treat the wastewater as determined by the WRA Director, as well as 100% of the costs to analyze the wastewater.
2. Charges are billed monthly with NET 30 terms payable to CITY OF DES MOINES and mailed to

City of Des Moines Treasurer's Office
P.O. Box 1633
Des Moines, IA 50306-1633
3. Treatment charges for waste loads disposed of at the headworks (Structure 07) shall be \$0.0724/gallon or \$0.00868/lb. (subject to annual rate increases, given 30-days' notice).
4. Reevaluation of charges:
 - (a) Charges will be reevaluated on February 1st and annually thereafter at a minimum.
 - (b) Charges may be reevaluated at the request of the IU or by the WRA at any time due to waste characteristic changes in the process wastewater.
 - (c) Changes in treatment charges are effective after 30-days' notice to the IU.

C. Sampling & Analysis

1. WRA Sampling & Analysis

- (a) The WRA may, at a minimum, perform daily sampling and measurement of pH, O&G, COD, TSS, TKN, %TS, %VS at the cost provided for in Chapter 118-352. The cost will be assessed to the IU and included in the charges in Part 1, B.1. above.
- (b) The WRA will perform other sampling and analysis at the expense of the IU as necessary to accurately assess charges and pollutant loadings.
- (c) Samples shall be taken from the tank truck at the WRF prior to discharge or mixing with any other waste.

2. IU Sampling & Analysis

- (a) The IU shall perform an annual scan of priority pollutants and report results to the WRA.
- (b) Such scan does not eliminate the need for the WRA to perform its normal sampling and analysis.
- (c) Samples shall be taken from the leachate collection vessel used to fill tank trucks for transport to the WRF.

D. Hours of Operation

- 1. The WRA will accept trucked waste 24/7 if drivers are familiar with the WRF manifesting, scaling, and unloading processes.
- 2. The WRA has the right to restrict hours as necessary and restrict truck driver access as necessary. Additional costs to provide service will be charged to the IU.

E. Termination of this Permit

- 1. This permit may be terminated by the IU by making a written request to the WRA providing 30-days' advanced notice.
- 2. This permit may be terminated by the WRA for any reason by providing 30-days' advanced written notice to the IU.
- 3. Delivery of wastes may be immediately suspended by the WRA if acceptance of this wastewater causes, or is anticipated to cause, interference, pass through of pollutants, or violation of any environmental permit held by the WRA.

F. Automatic Permit Extension

Expired permits shall remain effective and enforceable until the permit is reissued unless the IU is notified of permit termination by the WRA Director. (Chapter 118-372)

G. Damages

Anyone delivering or discharging wastes to the WRF whose waste causes upset, interference, or pass through is liable for the costs incurred by such incident and to penalties as allowed under city, state, and federal law.

H. Spill Control Plan

When required to do so by the WRA, the IU shall develop a Spill Control Plan to address potential spills or slugs.

PART 2 – REPORTING REQUIREMENTS

A. Monitoring Reports

The WRA will provide the IU with routine reports of the concentration of pollutants in the IU's effluent which are being monitored as described above.

1. Semi-Annual Reports

A certification statement, signed by an Authorized Representative, which uses the language required by federal law (40 CFR 403.12(l)), must be returned to the WRA every six (6) months. The industry is certifying that information it has submitted to the WRA is true and accurate. Those with TTO limits in wastewater discharge permits have an additional certifying statement regarding use and disposal of these substances. The IU shall submit a semi-annual report to the WRA as follows:

<u>Semi-Annual</u>	<u>Periods Covered</u>
1st Half	January – June
2nd Half	July - December

Semi-Annual Report Format

- (a) Identifying information.
- (b) Measurement of pollutants for any samples collected by the IU, per Chapter 118-377(5).
- (c) Certification and signature by IU.
- (d) Compliance schedule (as required).
- (e) Additional monitoring (as required).

2. Reports - Additional Monitoring

If the IU monitors any permitted pollutant from the sample location identified in Part 1.C more frequently than required by this permit, using test procedures prescribed in 40 CFR Part 136, the results of such monitoring shall be submitted to the WRA. Such monitoring results shall be summarized and reported to the WRA as part of the semi-annual report.

B. Accidental Discharge Report

The IU shall notify the WRA immediately of all discharges that could cause problems to the POTW, including any slug loadings, as outlined in Chapter 118-349. Formal written notification discussing circumstances and remedies shall be submitted to the WRA within five (5) days of the occurrence. The following procedures shall be followed:

1. Accidental discharges that contain pollutants that exceed the permitted limit by 5x or that exceed a designated slug discharge concentration shall be reported immediately.
2. Accidental discharges that may cause permanent damage to treatment system shall be reported immediately. These discharges include, but are not limited to, pollutants that may cause a fire or explosion hazard, pH of less than 4.0 or greater than 13.0 for, any pollutant in a concentration that would increase the atmosphere in the POTW above the LC50 for human exposure, and any pollutant that may increase the concentration in the influent to the WRF enough to decrease treatment efficiency.

3. The IU shall notify the WRA immediately by telephone at 515/323-8000 or 8133. The notification shall include the name of the person making the call, telephone number where said person can be reached, location of discharge, date and time thereof, type of waste, including concentration and volume, and corrective action taken.

The party making the call shall be available by phone for a minimum of fifteen (15) minutes after the notification is made. This is so that a member of the WRA may contact the industry representative for more information, if necessary.

4. Within five (5) days following an accidental discharge, the IU shall submit to the WRA a detailed written report. The report shall specify:
 - (a) Description of the upset, slug or accidental discharge, the cause thereof, and the impact on the IU's compliance status. The description should also include location of discharge, type, concentration and volume of waste.
 - (b) Duration of noncompliance, including exact dates and times of noncompliance, and if the noncompliance continues, the time by which compliance is reasonably expected to occur.
 - (c) All steps taken or to be taken to reduce, eliminate and prevent recurrence of such a slug discharge, accidental discharge, or other condition of noncompliance.

C. Anticipated Noncompliance

The IU shall give advance notice to the WRA of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

D. Signatory Requirements

1. All applications and reports submitted to the WRA must contain the following certification statement and be signed by an authorized representative of the IU as defined below:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Authorized Representative means:

- (a) An executive officer of a corporation.
- (b) A general partner of a partnership.
- (c) The proprietor of a proprietorship.
- (d) The conservator, trustee, attorney in fact, receiver or other person or agent authorized in law and in fact to act on behalf of IUs which are not corporations, partnerships, or proprietorships or on behalf of other entities which must legally act through an agent.
- (e) Any other authorized representative of (a), (b), (c), or (d) above if the authorization specifies either an individual or a position having responsibility for the overall operation of the facility from which the discharge originates, such as the position of plant manager or a position of equivalent responsibility, or having overall responsibility for environmental matters for the company and the written authorization is submitted to the WRA Director.
- (f) Any other person authorized by law to act on behalf of any entity.

2. If an authorization under paragraph (d) of this subpart is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, or overall responsibility for the environmental matters for the company, a new authorization satisfying the requirements of paragraph (d) of this subpart must be submitted to the WRA prior to or together with any reports to be signed by an authorized representative.

E. Wastewater Reclamation Authority Address and Phone Number

All reports, applications and correspondence shall be submitted to the following address:

Des Moines Metropolitan Wastewater Reclamation Authority
Attention: Pretreatment Department
3000 Vandalia Road
Des Moines, IA 50317

Telephone notification shall be to WRA - 515/323-8000 or 8133.

PART 3 - GENERAL CONDITIONS

The EPA in 40 CFR 403 requires wastewater treatment plants with pretreatment authority to have the following authority over all dischargers:

A. Duty to Comply

You must comply with the terms, conditions, and limits of this permit and of city ordinance. (Chapters 118-321 and 118-376)

B. Duty to Mitigate

The IU shall take all reasonable steps to minimize, correct, or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting the WRF, collection system, human health or environment. (Chapter 118-349)

C. Changes Resulting in New or Increase Pollutants

New or increased contributions of pollutants or changes in the nature of pollutant discharged to the WRF, whether due to changes in production, activity, flow or construction, shall require ninety (90) days prior approval by the WRA Director. (Chapter 118-370(11))

D. Permit Transfer

The IU shall not reassign or transfer this permit. New owners must apply for a new wastewater discharge permit sixty (60) days prior to a change of ownership. (Chapter 118-374)

E. Inspection of Premises, Records, Equipment, Methods and Discharges

You must permit authorized representatives of the WRA to inspect and sample in accordance with Chapter 118-405.

F. Confidential Information

No information shall be confidential except as specified in Chapters 118-381 and 118-382.

G. Dilution

The IU shall not increase the use of potable or process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with limitations contained in this permit.

H. Annual Publication

A list of all permitted users which significantly violated pretreatment standards or requirements (including permit requirements) during the twelve (12) previous months shall be annually published in the largest daily newspaper within the service area. (Chapter 118-396)

I. Civil and Criminal Penalties

Violation of pretreatment standards and requirements, administrative orders, or compliance schedules may subject the IU to civil and criminal penalties contained in Chapter 118-400 and Iowa Code 364.22(1).

Appendix I.2- Leachate Volumes Transported

Leachate Disposal - Alden
Rural Iowa Sanitary Landfill
2025

JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
Date	Gallons	Date	Gallons	Date	Gallons	Date	Gallons	Date	Gallons	Date	Gallons	Date	Gallons	Date	Gallons	Date	Gallons	Date	Gallons	Date	Gallons	Date	Gallons
1/2/25	5,800	2/4/25	2,900	3/3/25	2,900	4/1/25	8,700	5/1/25	17,400	6/2/25	5,800	7/1/25	8,700	8/4/25	17,400	9/8/25	5,800	10/1/25	10,150	11/4/25	5,800	12/1/25	4,320
1/3/25	5,800	2/5/25	2,900	3/4/25	2,900	4/2/25	8,700	5/2/25	17,400	6/3/25	17,400	7/2/25	8,700	8/5/25	17,400	9/9/25	8,700	10/7/25	5,800	11/5/25	4,350	12/2/25	4,320
1/6/25	5,800	2/10/25	2,900	3/6/25	2,900	4/3/25	8,700	5/5/25	17,400	6/4/25	17,400	7/3/25	8,700	8/6/25	17,400	9/10/25	8,700	10/10/25	14,500	11/10/25	4,350	12/3/25	4,320
1/7/25	5,800	2/11/25	2,900	3/7/25	2,900	4/4/25	8,700	5/6/25	17,400	6/9/25	17,400	7/7/25	8,700	8/7/25	5,800	9/15/25	8,700	10/13/25	14,500	11/11/25	4,350	12/4/25	4,320
1/8/25	5,800	2/12/25	2,900	3/10/25	2,900	4/7/25	8,700	5/7/25	17,400	6/13/25	11,600	7/8/25	8,700	8/11/25	11,600	9/17/25	5,800	10/17/25	5,800	11/12/25	4,350	12/5/25	4,320
1/9/25	5,800	2/13/25	2,900	3/11/25	2,900	4/8/25	8,700	5/8/25	17,400	6/16/25	17,400	7/9/25	8,700	8/12/25	11,600	9/19/25	8,700	10/23/25	11,600	11/18/25	4,350	12/8/25	4,320
1/13/25	5,800	2/17/25	2,900	3/12/25	2,900	4/9/25	8,700	5/9/25	17,400	6/17/25	17,400	7/10/25	8,700	8/13/25	5,800	9/22/25	8,700	10/27/25	11,600	11/19/25	4,350	12/9/25	4,320
1/14/25	5,800	2/18/25	2,900	3/13/25	2,900	4/10/25	8,700	5/12/25	17,400	6/20/25	5,800	7/11/25	8,700	8/15/25	17,400	9/23/25	8,700	10/28/25	11,600	11/20/25	4,350	12/10/25	4,320
1/15/25	5,800	2/24/25	2,900	3/14/25	2,900	4/11/25	8,700	5/13/25	11,600	6/23/25	17,400	7/14/25	8,700	8/18/25	17,400	9/24/25	5,800			11/21/25	4,350	12/11/25	4,320
1/16/25	5,800	2/25/25	2,900	3/17/25	2,900	4/14/25	8,700	5/19/25	17,400	6/24/25	17,400	7/15/25	8,700	8/19/25	17,400					11/25/25	4,350	12/12/25	4,320
1/22/25	5,800	2/26/25	2,900	3/18/25	2,900	4/15/25	5,800	5/20/25	17,400	6/26/25	11,600	7/16/25	8,700	8/20/25	17,400					11/26/25	4,350	12/15/25	4,320
1/23/25	5,800	2/27/25	2,900	3/19/25	2,900	4/16/25	5,800	5/21/25	17,400	6/27/25	8,700	7/17/25	8,700	8/21/25	5,800							12/16/25	4,320
1/24/25	5,800			3/20/25	2,900	4/17/25	8,700	5/22/25	17,400	6/30/25	8,700	7/18/25	8,700	8/22/25	17,400							12/17/25	4,320
1/27/25	5,800			3/21/25	2,900	4/18/25	8,700	5/23/25	17,400			7/21/25	8,700	8/25/25	17,400							12/18/25	4,320
1/28/25	5,800			3/24/25	2,900	4/21/25	8,700	5/27/25	17,400			7/22/25	8,700	8/26/25	17,400							12/19/25	4,320
				3/25/25	8,700	4/22/25	8,700	5/28/25	17,400			7/23/25	8,700									12/22/25	4,320
						4/23/25	8,700	5/30/25	17,400			7/24/25	8,700									12/23/25	4,320
						4/24/25	8,700					7/25/25	8,700									12/24/25	4,320
						4/25/25	8,700					7/26/25	8,700									12/26/25	4,320
						4/28/25	17,400					7/27/25	8,700									12/29/25	4,320
						4/29/25	17,400					7/28/25	8,700									12/30/25	4,320
						4/30/25	17,400					7/29/25	8,700									12/31/25	4,320
												7/30/25	8,700										
												7/31/25	8,700										

TOTAL87,00034,80052,200211,700290,000174,000208,800214,60069,60085,55049,30095,0401,572,590 Gallons

Leachate Disposal - Des Moines WRA Rural Iowa Sanitary Landfill 2025

[illegible]

Appendix I.3- Leachate Testing

Water Analysis



Submitted By: EW50627701
RURAL IOWA LANDFILL
20488 M Ave
Eldora, IA 50627

Laboratory Sample #
DC58105 - DC58107
9770-01 - 9770-03
Information Sheet #
WW0130-1

Date Received:
01/30/2025

Date Reported:
02/07/2025

IA Lab ID Number 061
EPA Lab ID Number 46

NPDES

Test Name (Contaminant ID)	Method	Results	Units	LOQ	Dilution Factor	Prep Date	Test Date	Analyst
Sample #: DC58105 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 01/30/2025 09:30 AM				Collection Point: Sample Date:		
Biochemical Oxygen Demand (5 day)	SM5210 B	51	mg/L	20 LOD	1	01/30/25	02/04/25	MEF
Total Suspended Solids	USGS I 3765-85	36	mg/L	4.000	NA	NA	02/03/25	JSP
Sample #: DC58106 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 01/30/2025 09:30 AM				Collection Point: Sample Date:		
Ammonia (1003)	ATP Case No. N08-0004	404	mg/L	4.1450	25	NA	02/05/25 02:13PM	CB
Sample #: DC58107 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 01/30/2025 09:30 AM				Collection Point: Sample Date:		
Oil and Grease (HEM)	EPA 1664A	<5.0	mg/L	5.0	NA	NA	01/30/25	SO

Report Authorized by:

Katie Olson

Date: 02/07/2025

LOQ units are the same as Result units and are adjusted to reflect dilution.

LOQ = Limit of Quantitation

RL = Reporting Limit

NA = Not Applicable

DISCLAIMER: The results issued on this report only reflect the analysis of the sample(s) submitted at our lab and may not be construed as an endorsement of the sampling method employed. This report shall not be reproduced except in full, without written approval of the laboratory. The accuracy of these results are limited by the integrity of the sample and the accuracy of the test method. Reports are kept on file for five years.

Water Analysis



Submitted By: EW50627701
RURAL IOWA LANDFILL
20488 M Ave
Eldora, IA 50627

Laboratory Sample #
DC76203 - DC76205
2370-01 - 2370-03
Information Sheet #
WW0306-1

Date Received:
03/06/2025

Date Reported:
03/11/2025

IA Lab ID Number 061
EPA Lab ID Number 46

NPDES

Test Name (Contaminant ID)	Method	Results	Units	LOQ	Dilution Factor	Prep Date	Test Date	Analyst
Sample #: DC76203 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 03/06/2025 07:35 AM				Collection Point: Sample Date:		
Biochemical Oxygen Demand (5 day)	SM5210 B	50	mg/L	20 LOD	1	03/06/25	03/11/25	MEF
Total Suspended Solids	USGS I 3765-85	303	mg/L	4.000	NA	NA	03/10/25	JSP
Sample #: DC76204 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 03/06/2025 07:35 AM				Collection Point: Sample Date:		
Ammonia (1003)	ATP Case No. N08-0004	339	mg/L	4.1450	25	NA	03/07/25 11:36AM	CB
Sample #: DC76205 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 03/06/2025 07:35 AM				Collection Point: Sample Date:		
Oil and Grease (HEM)	EPA 1664A	<5.0	mg/L	5.0	NA	NA	03/10/25	SO

Report Authorized by:

Life A. Sisson IV

Date: 03/11/2025

LOQ units are the same as Result units and are adjusted to reflect dilution.

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RL = Reporting Limit
NA = Not Applicable

DISCLAIMER: The results issued on this report only reflect the analysis of the sample(s) submitted at our lab and may not be construed as an endorsement of the sampling method employed. This report shall not be reproduced except in full, without written approval of the laboratory. The accuracy of these results are limited by the integrity of the sample and the accuracy of the test method. Reports are kept on file for five years.

Water Analysis



Submitted By: EW50627701
RURAL IOWA LANDFILL
20488 M Ave
Eldora, IA 50627

Laboratory Sample #
DC95264 - DC95266
3570-01 - 3570-03
Information Sheet #
WW0324-1

Date Received:
03/24/2025

Date Reported:
03/31/2025

IA Lab ID Number 061
EPA Lab ID Number 46

NPDES

Test Name (Contaminant ID)	Method	Results	Units	LOQ	Dilution Factor	Prep Date	Test Date	Analyst
Sample #: DC95264 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 03/24/2025 07:50 AM				Collection Point: Sample Date:		
Biochemical Oxygen Demand (5 day)	SM5210 B	158	mg/L	20 LOD	1	03/25/25	03/30/25	MEF
pH (1925)	EPA 150.1	8.00	S.U.	NA	NA	NA	03/24/25	JSP
Total Suspended Solids	USGS I 3765-85	687	mg/L	4.000	NA	NA	03/31/25	JSP
Sample #: DC95265 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 03/24/2025 07:50 AM				Collection Point: Sample Date:		
Ammonia (1003)	ATP Case No. N08-0004	196	mg/L	4.1450	25	NA	03/25/25 02:04PM	CB
Sample #: DC95266 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 03/24/2025 07:50 AM				Collection Point: Sample Date:		
Oil and Grease (HEM)	EPA 1664A	6.0	mg/L	5.0	NA	NA	03/27/25	SO

Report Authorized by:

Life A. Johnson IV

Date: 03/31/2025

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LOQ = Limit of Quantitation
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NA = Not Applicable

DISCLAIMER: The results issued on this report only reflect the analysis of the sample(s) submitted at our lab and may not be construed as an endorsement of the sampling method employed. This report shall not be reproduced except in full, without written approval of the laboratory. The accuracy of these results are limited by the integrity of the sample and the accuracy of the test method. Reports are kept on file for five years.

Water Analysis



Submitted By: EW50627701
RURAL IOWA LANDFILL
20488 M Ave
Eldora, IA 50627

Laboratory Sample #
DD71039 - DD71041
5970-01 - 5970-03
Information Sheet #
WW0425-1

Date Received:
04/25/2025

Date Reported:
05/02/2025

IA Lab ID Number 061
EPA Lab ID Number 46

NPDES

Test Name (Contaminant ID)	Method	Results	Units	LOQ	Dilution Factor	Prep Date	Test Date	Analyst
Sample #: DD71039 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 04/25/2025 08:33 AM				Collection Point: Sample Date:		
Biochemical Oxygen Demand (5 day)	SM5210 B	244	mg/L	20 LOD	1	04/25/25	04/30/25	MEF
pH (1925)	EPA 150.1	7.83	S.U.	NA	NA	NA	04/25/25	MEF
Total Suspended Solids	USGS I 3765-85	225	mg/L	4.000	NA	NA	04/28/25	JSP
Sample #: DD71040 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 04/25/2025 08:33 AM				Collection Point: Sample Date:		
Ammonia (1003)	ATP Case No. N08-0004	101	mg/L	0.8290	5	NA	04/30/25 05:05PM	CB
Sample #: DD71041 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 04/25/2025 08:33 AM				Collection Point: Sample Date:		
Oil and Grease (HEM)	EPA 1664A	<5.0	mg/L	5.0	NA	NA	05/02/25	SO

Report Authorized by:

Lyle A. Johnson IV

Date: 05/02/2025

LOQ units are the same as Result units and are adjusted to reflect dilution.

LOQ = Limit of Quantitation
RL = Reporting Limit
NA = Not Applicable

DISCLAIMER: The results issued on this report only reflect the analysis of the sample(s) submitted at our lab and may not be construed as an endorsement of the sampling method employed. This report shall not be reproduced except in full, without written approval of the laboratory. The accuracy of these results are limited by the integrity of the sample and the accuracy of the test method. Reports are kept on file for five years.

Water Analysis



Submitted By: EW50627701
RURAL IOWA LANDFILL
20488 M Ave
Eldora, IA 50627

Laboratory Sample #
DE39437 - DE39439
8070-01 - 8070-03
Information Sheet #
WW0527-1

Date Received:
05/27/2025

Date Reported:
06/04/2025

IA Lab ID Number 061
EPA Lab ID Number 46

NPDES

Test Name (Contaminant ID)	Method	Results	Units	LOQ	Dilution Factor	Prep Date	Test Date	Analyst
Sample #: DE39437 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 05/27/2025 07:55 AM				Collection Point: Sample Date:		
Biochemical Oxygen Demand (5 day)	SM5210 B	491	mg/L	20 LOD	1	05/28/25	06/02/25	MEF
pH (1925)	EPA 150.1	7.83	S.U.	NA	NA	NA	05/27/25	MEF
Total Suspended Solids	USGS I 3765-85	216	mg/L	4.000	NA	NA	06/02/25	JSP
Sample #: DE39438 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 05/27/2025 07:55 AM				Collection Point: Sample Date:		
Ammonia (1003)	ATP Case No. N08-0004	93	mg/L	0.8290	5	NA	05/29/25 05:01PM	CB
Sample #: DE39439 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 05/27/2025 07:55 AM				Collection Point: Sample Date:		
Oil and Grease (HEM)	EPA 1664A	<5.0	mg/L	5.0	NA	NA	05/28/25	SO

Report Authorized by:

Life A. Johnson IV

Date: 06/04/2025

LOQ units are the same as Result units and are adjusted to reflect dilution.

LOQ = Limit of Quantitation

RL = Reporting Limit

NA = Not Applicable

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Water Analysis



Submitted By: EW50627701
RURAL IOWA LANDFILL
20488 M Ave
Eldora, IA 50627

Laboratory Sample #
DF04379 - DF04381
0470-01 - 0470-03
Information Sheet #
WW0627-1

Date Received:
06/27/2025

Date Reported:
07/03/2025

IA Lab ID Number 061
EPA Lab ID Number 46

NPDES

Test Name (Contaminant ID)	Method	Results	Units	LOQ	Dilution Factor	Prep Date	Test Date	Analyst
Sample #: DF04379 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 06/27/2025 08:00 AM				Collection Point: Sample Date:		
Biochemical Oxygen Demand (5 day)	SM5210 B	200	mg/L	20 LOD	1	06/27/25	07/02/25	MEF
pH (1925)	EPA 150.1	7.15	S.U.	NA	NA	NA	06/27/25	MEF
Total Suspended Solids	USGS I 3765-85	291	mg/L	4.000	NA	NA	06/30/25	JSP
Sample #: DF04380 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 06/27/2025 08:00 AM				Collection Point: Sample Date:		
Ammonia (1003)	ATP Case No. N08-0004	164	mg/L	1.6580	10	NA	06/27/25 12:41PM	CB
Sample #: DF04381 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 06/27/2025 08:00 AM				Collection Point: Sample Date:		
Oil and Grease (HEM)	EPA 1664A	<5.0	mg/L	5.0	NA	NA	07/01/25	SO

Report Authorized by:

Lyle A. Johnson IV

Date: 07/03/2025

LOQ units are the same as Result units and are adjusted to reflect dilution.

LOQ = Limit of Quantitation

RL = Reporting Limit

NA = Not Applicable

DISCLAIMER: The results issued on this report only reflect the analysis of the sample(s) submitted at our lab and may not be construed as an endorsement of the sampling method employed. This report shall not be reproduced except in full, without written approval of the laboratory. The accuracy of these results are limited by the integrity of the sample and the accuracy of the test method. Reports are kept on file for five years.

Water Analysis



Submitted By: EW50627701
RURAL IOWA LANDFILL
20488 M Ave
Eldora, IA 50627

Laboratory Sample #
DF41073 - DF41075
2670-05 - 2670-07
Information Sheet #
WW0730-5

Date Received:
07/30/2025

Date Reported:
08/05/2025

IA Lab ID Number 061
EPA Lab ID Number 46

NPDES

Test Name (Contaminant ID)	Method	Results	Units	LOQ	Dilution Factor	Prep Date	Test Date	Analyst
Sample #: DF41073 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 07/30/2025 08:10 AM				Collection Point: Sample Date:		
Biochemical Oxygen Demand (5 day)	SM5210 B	131	mg/L	20 LOD	1	07/30/25	08/04/25	MEF
pH (1925)	EPA 150.1	7.86	S.U.	NA	NA	NA	07/30/25	JSP
Total Suspended Solids	USGS I 3765-85	332	mg/L	4.000	NA	NA	08/04/25	JSP
Sample #: DF41074 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 07/30/2025 08:10 AM				Collection Point: Sample Date:		
Ammonia (1003)	ATP Case No. N08-0004	93	mg/L	0.8290	5	NA	08/05/25 11:10AM	CB
Sample #: DF41075 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 07/30/2025 08:10 AM				Collection Point: Sample Date:		
Oil and Grease (HEM)	EPA 1664A	<5.0	mg/L	5.0	NA	NA	07/31/25	SO

Report Authorized by:

Lyle A. Johnson IV

Date: 08/05/2025

LOQ units are the same as Result units and are adjusted to reflect dilution.

LOQ = Limit of Quantitation
RL = Reporting Limit
NA = Not Applicable

DISCLAIMER: The results issued on this report only reflect the analysis of the sample(s) submitted at our lab and may not be construed as an endorsement of the sampling method employed. This report shall not be reproduced except in full, without written approval of the laboratory. The accuracy of these results are limited by the integrity of the sample and the accuracy of the test method. Reports are kept on file for five years.

Water Analysis



Submitted By: EW50627701
RURAL IOWA LANDFILL
20488 M Ave
Eldora, IA 50627

Laboratory Sample #
DF65486 - DF65488
4670-27 - 4670-29
Information Sheet #
WW0827-27

Date Received:
08/27/2025

Date Reported:
09/03/2025

IA Lab ID Number 061
EPA Lab ID Number 46

NPDES

Test Name (Contaminant ID)	Method	Results	Units	LOQ	Dilution Factor	Prep Date	Test Date	Analyst
Sample #: DF65486 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 08/27/2025 11:15 AM				Collection Point: Sample Date:		
Biochemical Oxygen Demand (5 day)	SM5210 B	60	mg/L	20 LOD	1	08/28/25	09/02/25	MEF
pH (1925)	EPA 150.1	8.16	S.U.	NA	NA	NA	08/28/25	MEF
Total Suspended Solids	USGS I 3765-85	344	mg/L	4.000	NA	NA	09/02/25	JSP
Sample #: DF65487 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 08/27/2025 11:15 AM				Collection Point: Sample Date:		
Ammonia (1003)	ATP Case No. N08-0004	171	mg/L	5.5660	10	NA	08/28/25 02:03PM	CB
Sample #: DF65488 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 08/27/2025 11:15 AM				Collection Point: Sample Date:		
Oil and Grease (HEM)	EPA 1664A	<5.0	mg/L	5.0	NA	NA	08/28/25	SO

Report Authorized by:

Lyle A. Johnson IV

Date: 09/03/2025

LOQ units are the same as Result units and are adjusted to reflect dilution.

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NA = Not Applicable

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Water Analysis



Submitted By: EW50627701
RURAL IOWA LANDFILL
20488 M Ave
Eldora, IA 50627

Laboratory Sample #
DF95518 - DF95520
6670-04 - 6670-06
Information Sheet #
WW0925-4

Date Received:
09/25/2025

Date Reported:
09/30/2025

IA Lab ID Number 061
EPA Lab ID Number 46

NPDES

Test Name (Contaminant ID)	Method	Results	Units	LOQ	Dilution Factor	Prep Date	Test Date	Analyst
Sample #: DF95518 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 09/25/2025 08:30 AM				Collection Point: Sample Date:		
Biochemical Oxygen Demand (5 day)	SM5210 B	65	mg/L	20 LOD	1	09/25/25	09/30/25	MEF
pH (1925)	EPA 150.1	8.33	S.U.	NA	NA	NA	09/25/25	MEF
Total Suspended Solids	USGS I 3765-85	262	mg/L	4.000	NA	NA	09/29/25	JSP
Sample #: DF95519 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 09/25/2025 08:30 AM				Collection Point: Sample Date:		
Ammonia (1003)	ATP Case No. N08-0004	124	mg/L	5.5660	10	NA	09/26/25 11:57AM	CB
Sample #: DF95520 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 09/25/2025 08:30 AM				Collection Point: Sample Date:		
Oil and Grease (HEM)	EPA 1664A	<5.0	mg/L	5.0	NA	NA	09/26/25	SO

Report Authorized by:

Lyle A. Johnson IV

Date: 10/01/2025

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RL = Reporting Limit

NA = Not Applicable

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Water Analysis



Submitted By: EW50627701
RURAL IOWA LANDFILL
20488 M Ave
Eldora, IA 50627

Laboratory Sample #
DH52165 - DH52167
9171-39 - 9171-41
Information Sheet #
WW1029-139

Date Received:
10/29/2025

Date Reported:
11/04/2025

IA Lab ID Number 061
EPA Lab ID Number 46

NPDES

Test Name (Contaminant ID)	Method	Results	Units	LOQ	Dilution Factor	Prep Date	Test Date	Analyst
Sample #: DH52165 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 10/29/2025 10:00 AM				Collection Point: Sample Date:		
Biochemical Oxygen Demand (5 day)	SM5210 B	22	mg/L	20 LOD	1	10/30/25	11/04/25	MEF
pH (1925)	EPA 150.1	8.47	S.U.	NA	NA	NA	10/29/25	MEF
Total Suspended Solids	USGS I 3765-85	73	mg/L	4.000	NA	NA	11/03/25	JSP
Sample #: DH52166 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 10/29/2025 10:00 AM				Collection Point: Sample Date:		
Oil and Grease (HEM)	EPA 1664A	<5.0	mg/L	5.0	NA	NA	10/31/25	SO
Sample #: DH52167 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 10/29/2025 10:00 AM				Collection Point: Sample Date:		
Ammonia (1003)	ATP Case No. N08-0004	403	mg/L	14	25	NA	10/31/25 04:15PM	CB

Report Authorized by:

Lyle A. Johnson IV

Date: 11/04/2025

LOQ units are the same as Result units and are adjusted to reflect dilution.

LOQ = Limit of Quantitation
RL = Reporting Limit
NA = Not Applicable

DISCLAIMER: The results issued on this report only reflect the analysis of the sample(s) submitted at our lab and may not be construed as an endorsement of the sampling method employed. This report shall not be reproduced except in full, without written approval of the laboratory. The accuracy of these results are limited by the integrity of the sample and the accuracy of the test method. Reports are kept on file for five years.

Water Analysis



Submitted By: EW50627701
RURAL IOWA LANDFILL
20488 M Ave
Eldora, IA 50627

Laboratory Sample #
DH81361 - DH81363
9670-01 - 9670-03
Information Sheet #
WW1104-1

Date Received:
11/04/2025

Date Reported:
11/11/2025

IA Lab ID Number 061
EPA Lab ID Number 46

NPDES

Test Name (Contaminant ID)	Method	Results	Units	LOQ	Dilution Factor	Prep Date	Test Date	Analyst
Sample #: DH81361 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 11/04/2025 08:30 AM				Collection Point: Sample Date:		
Biochemical Oxygen Demand (5 day)	SM5210 B	46	mg/L	20 LOD	1	11/05/25	11/10/25	MEF
pH (1925)	EPA 150.1	8.73	S.U.	NA	NA	NA	11/04/25	MEF
Total Suspended Solids	USGS I 3765-85	337	mg/L	4.000	NA	NA	11/10/25	JSP
Sample #: DH81362 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 11/04/2025 08:30 AM				Collection Point: Sample Date:		
Ammonia (1003)	ATP Case No. N08-0004	379	mg/L	14	25	NA	11/06/25 03:22PM	CB
Sample #: DH81363 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 11/04/2025 08:30 AM				Collection Point: Sample Date:		
Oil and Grease (HEM)	EPA 1664A	<5.0	mg/L	5.0	NA	NA	11/10/25	SO

Report Authorized by:

Lyle A. Johnson IV

Date: 11/11/2025

LOQ units are the same as Result units and are adjusted to reflect dilution.

LOQ = Limit of Quantitation
RL = Reporting Limit
NA = Not Applicable

DISCLAIMER: The results issued on this report only reflect the analysis of the sample(s) submitted at our lab and may not be construed as an endorsement of the sampling method employed. This report shall not be reproduced except in full, without written approval of the laboratory. The accuracy of these results are limited by the integrity of the sample and the accuracy of the test method. Reports are kept on file for five years.

Water Analysis



Submitted By: EW50627701
RURAL IOWA LANDFILL
20488 M Ave
Eldora, IA 50627

Laboratory Sample #
DJ21336 - DJ21338
1570-05 - 1570-07
Information Sheet #
WW1202-5

Date Received:
12/02/2025

Date Reported:
12/10/2025

IA Lab ID Number 061
EPA Lab ID Number 46

NPDES

Test Name (Contaminant ID)	Method	Results	Units	LOQ	Dilution Factor	Prep Date	Test Date	Analyst
Sample #: DJ21336 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 12/02/2025 08:30 AM				Collection Point: Sample Date:		
Biochemical Oxygen Demand (5 day)	SM5210 B	74	mg/L	20 LOD	1	12/03/25	12/08/25	JSP
pH (1925)	EPA 150.1	8.79	S.U.	NA	NA	NA	12/02/25	JSP
Total Suspended Solids	USGS I 3765-85	565	mg/L	4.000	NA	NA	12/09/25	JSP
Sample #: DJ21337 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 12/02/2025 08:30 AM				Collection Point: Sample Date:		
Ammonia (1003)	ATP Case No. N08-0004	416	mg/L	14	25	NA	12/04/25 04:04PM	CB
Sample #: DJ21338 Type: GRAB Collector:		Sample Location: LEACHATE TANK Date/Time Collected: 12/02/2025 08:30 AM				Collection Point: Sample Date:		
Oil and Grease (HEM)	EPA 1664A	<5.0	mg/L	5.0	NA	NA	12/05/25	SO

Report Authorized by:

Life A. Johnson IV

Date: 12/10/2025

LOQ units are the same as Result units and are adjusted to reflect dilution.

LOQ = Limit of Quantitation

RL = Reporting Limit

NA = Not Applicable

DISCLAIMER: The results issued on this report only reflect the analysis of the sample(s) submitted at our lab and may not be construed as an endorsement of the sampling method employed. This report shall not be reproduced except in full, without written approval of the laboratory. The accuracy of these results are limited by the integrity of the sample and the accuracy of the test method. Reports are kept on file for five years.



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IJ1690

Project Description

Annual Leachate

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Wednesday, November 12, 2025

Please find enclosed the analytical results for the samples you submitted to Microbac Laboratories. Review and compilation of your report was completed by Microbac Laboratories, Inc., Newton. If you have any questions, comments, or require further assistance regarding this report, please contact your service representative listed above.

I certify that all test results meet all of the requirements of the accrediting authority listed within this report. Analytical results are reported on a 'as received' basis unless specified otherwise. Analytical results for solids with units ending in (dry) are reported on a dry weight basis. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of Microbac Laboratories. The reported results are related only to the samples analyzed as received.

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IJ1690

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: Annual Leachate

Project / PO Number: N/A
Received: 10/17/2025
Reported: 11/12/2025

Case Narrative

The laboratory control standard associated with the original EPA 625 analysis on sample 1IJ1690-01 had several analytes outside the acceptance limits. The sample was then re-analyzed outside of the EPA recommended holding time. Both sets of EPA 625 results are included in this report.

James Eggers
Quality Assurance Officer

Sample Summary Report

<u>Sample Name</u>	<u>Laboratory ID</u>	<u>Client Matrix</u>	<u>Sample Type</u>	<u>Sample Begin</u>	<u>Sample Taken</u>	<u>Lab Received</u>
Leachate	1IJ1690-01	Aqueous	GRAB		10/16/25 10:05	10/17/25 11:00



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IJ1690

Analytical Testing Parameters

Client Sample ID: Leachate
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1690-01

Collected By: Whipple, Todd
Collection Date: 10/16/2025 10:05

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 624.1							
Chloromethane	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
Bromomethane	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
Chloroethane	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
Chloroform	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
Benzene	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
2-Chloroethylvinyl ether	<10.0	10.0	ug/L	H	10/29/25 0000	10/29/25 1319	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
Toluene	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
Bromoform	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/29/25 0000	10/29/25 1342	RAF
Surrogate: Dibromofluoromethane	100	Limit: 59-123	% Rec		10/29/25 0000	10/29/25 1342	RAF
Surrogate: Dibromofluoromethane	99.5	Limit: 59-123	% Rec		10/29/25 0000	10/29/25 1319	RAF
Surrogate: 1,2-Dichloroethane-d4	104	Limit: 56-130	% Rec		10/29/25 0000	10/29/25 1342	RAF
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 56-130	% Rec		10/29/25 0000	10/29/25 1319	RAF
Surrogate: Toluene-d8	106	Limit: 85-113	% Rec		10/29/25 0000	10/29/25 1319	RAF
Surrogate: Toluene-d8	105	Limit: 85-113	% Rec		10/29/25 0000	10/29/25 1342	RAF
Surrogate: 4-Bromofluorobenzene	92.0	Limit: 82-112	% Rec		10/29/25 0000	10/29/25 1342	RAF
Surrogate: 4-Bromofluorobenzene	90.0	Limit: 82-112	% Rec		10/29/25 0000	10/29/25 1319	RAF

Inorganics Total	Result	RL	Units	Note	Prepared	Analyzed	Analyst
SM 5210 B-2016							
Biochemical Oxygen Demand (BOD5)	49	6	mg/L		10/17/25 1601	10/22/25 1218	MND



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IJ1690

Client Sample ID: Leachate
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1690-01

Collected By: Whipple, Todd
Collection Date: 10/16/2025 10:05

Metals Total by AA	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 245.1, Rv. 3 (1994)							
Mercury	<0.00050	0.00050	mg/L		10/27/25 1538	10/28/25 1714	JAR

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 625.1

Method Notes: D4

Bis(2-Chloroethyl) Ether	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Bis(2-Chloroethyl) Ether	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
2-Chlorophenol	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
2-Chlorophenol	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
1,3-Dichlorobenzene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
1,3-Dichlorobenzene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
1,4-Dichlorobenzene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
1,4-Dichlorobenzene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Benzyl Alcohol	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Benzyl Alcohol	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
1,2-Dichlorobenzene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
1,2-Dichlorobenzene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Bis[2-Chloroisopropyl]ether	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Bis[2-Chloroisopropyl]ether	<9	9	ug/L	Q3	10/30/25 1316	10/31/25 1430	EPP
n-Nitroso-di-n-propylamine	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
n-Nitroso-di-n-propylamine	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Hexachloroethane	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Hexachloroethane	<9	9	ug/L	Q3	10/30/25 1316	10/31/25 1430	EPP
Nitrobenzene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Nitrobenzene	<11	11	ug/L		10/30/25 1316	10/31/25 1430	EPP
Isophorone	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Isophorone	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
2-Nitrophenol	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
2-Nitrophenol	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
2,4-Dimethylphenol	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
2,4-Dimethylphenol	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Bis (2-Chloroethoxy) Methane	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Bis (2-Chloroethoxy) Methane	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Benzoic acid	<11	11	ug/L		10/30/25 1316	10/31/25 1430	EPP
Benzoic acid	<500	500	ug/L		10/21/25 0943	10/27/25 1939	EPP
2,4-Dichlorophenol	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
2,4-Dichlorophenol	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
1,2,4-Trichlorobenzene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
1,2,4-Trichlorobenzene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Naphthalene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Naphthalene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Hexachlorobutadiene	<200	200	ug/L		10/21/25 0943	10/27/25 1939	EPP
Hexachlorobutadiene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11J1690

Client Sample ID: Leachate
Sample Matrix: Aqueous
Lab Sample ID: 11J1690-01

Collected By: Whipple, Todd
Collection Date: 10/16/2025 10:05

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
4-Chloro-3-methylphenol	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
4-Chloro-3-methylphenol	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Hexachlorocyclopentadiene	<200	200	ug/L		10/21/25 0943	10/27/25 1939	EPP
Hexachlorocyclopentadiene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
2,4,6-Trichlorophenol	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
2,4,6-Trichlorophenol	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
2,4,5-Trichlorophenol	<500	500	ug/L		10/21/25 0943	10/27/25 1939	EPP
2,4,5-Trichlorophenol	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
2-Chloronaphthalene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
2-Chloronaphthalene	<9	9	ug/L	Q3	10/30/25 1316	10/31/25 1430	EPP
Dimethylphthalate	<150	150	ug/L		10/21/25 0943	10/27/25 1939	EPP
Dimethylphthalate	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Acenaphthylene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Acenaphthylene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
2,6-Dinitrotoluene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
2,6-Dinitrotoluene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Acenaphthene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Acenaphthene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
2,4-Dinitrophenol	<200	200	ug/L		10/21/25 0943	10/27/25 1939	EPP
2,4-Dinitrophenol	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Dibenzofuran	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Dibenzofuran	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
2,4-Dinitrotoluene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
2,4-Dinitrotoluene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
4-Nitrophenol	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
4-Nitrophenol	<18	18	ug/L		10/30/25 1316	10/31/25 1430	EPP
Diethyl Phthalate	<300	300	ug/L		10/21/25 0943	10/27/25 1939	EPP
Diethyl Phthalate	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Fluorene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Fluorene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
4-Chlorophenyl Phenyl Ether	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
4-Chlorophenyl Phenyl Ether	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
4,6-Dinitro-2-methylphenol	<200	200	ug/L		10/21/25 0943	10/27/25 1939	EPP
4,6-Dinitro-2-methylphenol	<11	11	ug/L		10/30/25 1316	10/31/25 1430	EPP
N-Nitrosodiphenylamine	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
N-Nitrosodiphenylamine	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
4-Bromophenyl Phenyl Ether	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
4-Bromophenyl Phenyl Ether	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Hexachlorobenzene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Hexachlorobenzene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Pentachlorophenol	<200	200	ug/L		10/21/25 0943	10/27/25 1939	EPP
Pentachlorophenol	<14	14	ug/L		10/30/25 1316	10/31/25 1430	EPP
Phenanthrene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IJ1690

Client Sample ID: Leachate
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1690-01

Collected By: Whipple, Todd
Collection Date: 10/16/2025 10:05

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Phenanthrene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Anthracene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Anthracene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Di-n-butyl Phthalate	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Di-n-butyl Phthalate	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Fluoranthene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Fluoranthene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Pyrene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Pyrene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Butyl Benzyl Phthalate	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Butyl Benzyl Phthalate	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Benzo(a)anthracene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Benzo(a)anthracene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Chrysene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Chrysene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Bis(2-Ethylhexyl) Phthalate	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Bis(2-Ethylhexyl) Phthalate	<11	11	ug/L		10/30/25 1316	10/31/25 1430	EPP
Di-n-octyl Phthalate	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Di-n-octyl Phthalate	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Indeno(1,2,3-cd)Pyrene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Indeno(1,2,3-cd)Pyrene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
3,3'-Dichlorobenzidine	<200	200	ug/L		10/21/25 0943	10/27/25 1939	EPP
3,3'-Dichlorobenzidine	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Benzo(b)Fluoranthene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Benzo(b)Fluoranthene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Benzo(k)Fluoranthene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Benzo(k)Fluoranthene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Benzo(a)Pyrene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Benzo(a)Pyrene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Dibenzo(a,h)anthracene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Dibenzo(a,h)anthracene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Benzo(g,h,i)perylene	<100	100	ug/L		10/21/25 0943	10/27/25 1939	EPP
Benzo(g,h,i)perylene	<9	9	ug/L		10/30/25 1316	10/31/25 1430	EPP
Surrogate: 2-Fluorophenol	69.7	Limit: 16-140	% Rec		10/21/25 0943	10/27/25 1939	EPP
Surrogate: 2-Fluorophenol	35.8	Limit: 16-140	% Rec		10/30/25 1316	10/31/25 1430	EPP
Surrogate: Phenol-d6	69.7	Limit: 13-147	% Rec		10/21/25 0943	10/27/25 1939	EPP
Surrogate: Phenol-d6	27.9	Limit: 13-147	% Rec		10/30/25 1316	10/31/25 1430	EPP
Surrogate: Nitrobenzene-d5	69.7	Limit: 17-150	% Rec		10/21/25 0943	10/27/25 1939	EPP
Surrogate: Nitrobenzene-d5	53.1	Limit: 17-150	% Rec		10/30/25 1316	10/31/25 1430	EPP
Surrogate: 2-Fluorobiphenyl	82.4	Limit: 15-134	% Rec		10/21/25 0943	10/27/25 1939	EPP
Surrogate: 2-Fluorobiphenyl	62.5	Limit: 15-134	% Rec		10/30/25 1316	10/31/25 1430	EPP
Surrogate: 2,4,6-Tribromophenol	102	Limit: 20-158	% Rec		10/21/25 0943	10/27/25 1939	EPP
Surrogate: 2,4,6-Tribromophenol	96.3	Limit: 20-158	% Rec		10/30/25 1316	10/31/25 1430	EPP
Surrogate: Terphenyl-dl4	96.1	Limit: 12-157	% Rec		10/21/25 0943	10/27/25 1939	EPP

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CERTIFICATE OF ANALYSIS

1IJ1690

Client Sample ID: Leachate
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1690-01

Collected By: Whipple, Todd
Collection Date: 10/16/2025 10:05

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst

Surrogate: Terphenyl-dl4	94.4	Limit: 12-157	% Rec		10/30/25 1316	10/31/25 1430	EPP

Metals Total by ICP	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 200.7, Rv. 4.4 (1994)

Iron	41.0	0.100	mg/L		10/21/25 1518	10/24/25 0244	JAR

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 200.8, Rv. 5.4 (1994)

Arsenic	0.0702	0.0010	mg/L		10/20/25 1620	10/21/25 1906	RVV
Barium	3.23	0.0100	mg/L		10/20/25 1620	10/22/25 1233	RVV
Cadmium	0.0005	0.0002	mg/L		10/20/25 1620	10/21/25 1906	RVV
Chromium	0.0605	0.0010	mg/L		10/20/25 1620	10/21/25 1906	RVV
Copper	0.0664	0.0050	mg/L		10/20/25 1620	10/21/25 1906	RVV
Lead	0.0067	0.0005	mg/L		10/20/25 1620	10/21/25 1906	RVV
Nickel	0.155	0.0010	mg/L		10/20/25 1620	10/21/25 1906	RVV
Selenium	0.0084	0.0020	mg/L		10/20/25 1620	10/21/25 1906	RVV
Silver	<0.0050	0.0050	mg/L		10/20/25 1620	10/21/25 1906	RVV
Zinc	1.92	0.0200	mg/L		10/20/25 1620	10/21/25 1906	RVV

Determination of Organochlorine Insecticides & PCBs	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 608.3 GC-ECD

Gamma-BHC [Lindane]	<0.05	0.05	ug/L		10/20/25 1349	10/22/25 2034	PDS
Beta-BHC	<0.05	0.05	ug/L		10/20/25 1349	10/22/25 2034	PDS
Heptachlor	<0.05	0.05	ug/L		10/20/25 1349	10/22/25 2034	PDS
Delta-BHC	<0.05	0.05	ug/L		10/20/25 1349	10/22/25 2034	PDS
Aldrin	<0.05	0.05	ug/L		10/20/25 1349	10/22/25 2034	PDS
Heptachlor Epoxide	<0.05	0.05	ug/L		10/20/25 1349	10/22/25 2034	PDS
Endosulfan I	<0.05	0.05	ug/L		10/20/25 1349	10/22/25 2034	PDS
4,4'-DDE	<0.05	0.05	ug/L		10/20/25 1349	10/22/25 2034	PDS
Dieldrin	<0.05	0.05	ug/L		10/20/25 1349	10/22/25 2034	PDS
Endrin	<0.05	0.05	ug/L		10/20/25 1349	10/22/25 2034	PDS
4,4'-DDD	<0.05	0.05	ug/L		10/20/25 1349	10/22/25 2034	PDS
Endosulfan II	<0.05	0.05	ug/L		10/20/25 1349	10/22/25 2034	PDS
4,4'-DDT	<0.05	0.05	ug/L	Q8	10/20/25 1349	10/22/25 2034	PDS
Endrin Aldehyde	<0.05	0.05	ug/L		10/20/25 1349	10/22/25 2034	PDS
Endosulfan Sulfate	<0.05	0.05	ug/L		10/20/25 1349	10/22/25 2034	PDS
Chlordane	<0.10	0.10	ug/L		10/20/25 1349	10/22/25 2034	PDS
Toxaphene	<0.20	0.20	ug/L		10/20/25 1349	10/22/25 2034	PDS
Arochlor 1016	<0.20	0.20	ug/L		10/20/25 1349	10/22/25 2034	PDS
Arochlor 1221	<0.20	0.20	ug/L		10/20/25 1349	10/22/25 2034	PDS
Arochlor 1232	<0.20	0.20	ug/L		10/20/25 1349	10/22/25 2034	PDS
Arochlor 1242	<0.20	0.20	ug/L		10/20/25 1349	10/22/25 2034	PDS

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CERTIFICATE OF ANALYSIS

1IJ1690

Client Sample ID: Leachate
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1690-01

Collected By: Whipple, Todd
Collection Date: 10/16/2025 10:05

Determination of Organochlorine Insecticides & PCBs	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Arochlor 1248	<0.20	0.20	ug/L		10/20/25 1349	10/22/25 2034	PDS
Arochlor 1254	<0.20	0.20	ug/L		10/20/25 1349	10/22/25 2034	PDS
Arochlor 1260	<0.20	0.20	ug/L		10/20/25 1349	10/22/25 2034	PDS
Surrogate: Decachlorobiphenyl	75.6	Limit: 10-148	% Rec		10/20/25 1349	10/22/25 2034	PDS
Surrogate: Tetrachloro-m-xylene	81.8	Limit: 10-144	% Rec		10/20/25 1349	10/22/25 2034	PDS
Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
5310B							
Total Organic Carbon	206	5.00	mg/L		11/04/25 0000	11/04/25 1730	CSM
EPA 1664A							
Oil and Grease	<4	4	mg/L	A14	10/24/25 0836	10/28/25 0830	RDH
EPA 351.2, Rv. 2 (1993)							
Nitrogen, Kjeldahl, total	479	25.0	mg/L		10/29/25 1622	11/03/25 1628	AKK
SM 4500-H+ B-2011							
pH	8.4	0.5	pH	H4		10/21/25 1639	BSS
TIMBERLINE							
Nitrogen, Ammonia	506	10.0	mg/L		10/20/25 1447	10/21/25 1119	BHF
USGS I-1750-85							
Total Dissolved Solids (TDS)	11000	5	mg/L		10/20/25 1110	10/20/25 1137	LAW
USGS I-3765-85							
Total Suspended Solids (TSS)	900	1	mg/L		10/20/25 0645	10/20/25 1035	LAW



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CERTIFICATE OF ANALYSIS

1IJ1690

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
SM 5210 B-2016	1IJ1087	1IJ1087-BLK1	
		1IJ1087-SRM1	
		1IJ1087-DUP1	1IJ1692-01
		1IJ1690-01	Leachate
Method	Batch	Laboratory ID	Client / Source ID
USGS I-3765-85	1IJ1106	1IJ1690-01	Leachate
		1IJ1106-BS1	
		1IJ1106-DUP1	1IJ1695-01
		1IJ1106-BLK1	
Method	Batch	Laboratory ID	Client / Source ID
USGS I-1750-85	1IJ1135	1IJ1690-01	Leachate
		1IJ1135-BS1	
		1IJ1135-DUP1	1IJ1690-01
		1IJ1135-BLK1	
Method	Batch	Laboratory ID	Client / Source ID
EPA 608.3 GC-ECD	1IJ1143	1IJ1143-BLK1	
		1IJ1143-BS1	
		1IJ1690-01	Leachate
		1IJ1143-MS1	1IJ1601-01
		1IJ1143-MSD1	1IJ1601-01
Method	Batch	Laboratory ID	Client / Source ID
TIMBERLINE	1IJ1151	1IJ1151-BLK1	
		1IJ1151-BS1	
		1IJ1690-01	Leachate
		1IJ1151-MS1	1IJ1640-03
		1IJ1151-MSD1	1IJ1640-03
Method	Batch	Laboratory ID	Client / Source ID
EPA 200.8, Rv. 5.4 (1994)	1IJ1173	1IJ1173-BLK1	
		1IJ1173-MS1	1IJ1565-02
		1IJ1173-MSD1	1IJ1565-02
		1IJ1173-PS1	1IJ1565-02
		1IJ1690-01	Leachate
		1IJ1173-BS1	
		1IJ1690-01RE1	Leachate
Method	Batch	Laboratory ID	Client / Source ID
EPA 625.1	1IJ1187	1IJ1187-BLK1	
		1IJ1187-BS1	
		1IJ1690-01	Leachate
Method	Batch	Laboratory ID	Client / Source ID
EPA 200.7, Rv. 4.4 (1994)	1IJ1227	1IJ1227-BLK1	
		1IJ1227-BS1	
		1IJ1227-MS1	1IJ1640-01
		1IJ1227-MSD1	1IJ1640-01
		1IJ1227-PS1	1IJ1640-01
		1IJ1690-01	Leachate
Method	Batch	Laboratory ID	Client / Source ID
SM 4500-H+ B-2011	1IJ1254	1IJ1254-DUP1	1IJ1600-01
		1IJ1254-SRM2	

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Method	Batch	Laboratory ID	Client / Source ID
SM 4500-H+ B-2011	1IJ1254	1IJ1254-SRM1 1IJ1690-01	Leachate
Method	Batch	Laboratory ID	Client / Source ID
EPA 1664A	1IJ1434	1IJ1434-BSD1 1IJ1434-BLK1 1IJ1434-BS1 1IJ1690-01 1IJ1434-DUP1	Leachate 1IJ1985-01
Method	Batch	Laboratory ID	Client / Source ID
EPA 245.1, Rv. 3 (1994)	1IJ1553	1IJ1553-BLK1 1IJ1553-BS1 1IJ1690-01 1IJ1553-MS1 1IJ1553-MSD1	Leachate 1IJ1690-01 1IJ1690-01
Method	Batch	Laboratory ID	Client / Source ID
EPA 351.2, Rv. 2 (1993)	1IJ1706	1IJ1706-MSD1 1IJ1706-MS1 1IJ1706-BS1 1IJ1706-BLK1 1IJ1690-01RE1	1IJ1674-03 1IJ1674-03 Leachate
Method	Batch	Laboratory ID	Client / Source ID
EPA 624.1	1IJ1715	1IJ1715-BS1 1IJ1715-BLK1 1IJ1690-01RE1 1IJ1690-01 1IJ1715-MS1 1IJ1715-MSD1	Leachate Leachate 1IJ2193-01 1IJ2193-01
Method	Batch	Laboratory ID	Client / Source ID
EPA 625.1	1IJ1767	1IJ1767-BLK1 1IJ1767-BS1 1IJ1767-BSD1 1IJ1690-01RE1	Leachate
Method	Batch	Laboratory ID	Client / Source ID
5310B	1IK0179	1IK0179-BS1 1IK0179-BSD1 1IK0179-BLK1 1IJ1690-01 1IK0179-MS1 1IK0179-MSD1	Leachate 1IJ2601-02 1IJ2601-02

Batch Quality Control Summary: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1715 - EPA 5030B - EPA 624.1										
Blank (1IJ1715-BLK1)				Prepared: 10/29/25 00:00 Analyzed: 10/29/25 11:02						
Chloromethane	<1.0	1.0	ug/L							
Vinyl Chloride	<1.0	1.0	ug/L							



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11J1690

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1715 - EPA 5030B - EPA 624.1										
Blank (11J1715-BLK1)										
Prepared: 10/29/25 00:00 Analyzed: 10/29/25 11:02										
Bromomethane	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Benzene	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
2-Chloroethylvinyl ether	<10.0	10.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
Toluene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene	<1.0	1.0	ug/L							
Dibromochloromethane	<1.0	1.0	ug/L							
Chlorobenzene	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
Surrogate: Dibromofluoromethane										
	50.3		ug/L	50.2		100	59-123			
Surrogate: 1,2-Dichloroethane-d4										
	51.2		ug/L	50.4		102	56-130			
Surrogate: Toluene-d8										
	52.5		ug/L	50.5		104	85-113			
Surrogate: 4-Bromofluorobenzene										
	46.4		ug/L	50.2		92.5	82-112			
LCS (11J1715-BS1)										
Prepared: 10/29/25 00:00 Analyzed: 10/29/25 10:16										
Chloromethane	28.08	1.0	ug/L	30.3		92.6	5-205			
Vinyl Chloride	32.61	1.0	ug/L	30.2		108	5-195			
Bromomethane	23.68	1.0	ug/L	30.1		78.6	15-185			
Chloroethane	32.25	1.0	ug/L	30.3		106	40-160			
1,1-Dichloroethylene	49.80	1.0	ug/L	50.1		99.4	50-150			
Methylene Chloride	49.55	5.0	ug/L	50.1		98.9	60-140			
trans-1,2-Dichloroethylene	53.88	1.0	ug/L	50.1		108	70-130			
1,1-Dichloroethane	49.75	1.0	ug/L	50.1		99.3	70-130			
cis-1,2-Dichloroethylene	46.83	1.0	ug/L	50.4		93.0	57-148			
2-Butanone (MEK)	98.53	10.0	ug/L	100		98.5	44-134			
Chloroform	49.18	1.0	ug/L	50.1		98.2	70-135			

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CERTIFICATE OF ANALYSIS

11J1690

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1715 - EPA 5030B - EPA 624.1										
LCS (11J1715-BS1)										
Prepared: 10/29/25 00:00 Analyzed: 10/29/25 10:16										
1,1,1-Trichloroethane	48.43	1.0	ug/L	50.1		96.6	70-130			
Carbon Tetrachloride	52.42	1.0	ug/L	50.1		105	70-130			
Benzene	47.59	1.0	ug/L	50.4		94.4	65-135			
1,2-Dichloroethane	49.08	1.0	ug/L	50.1		98.0	70-130			
Trichloroethylene	48.34	1.0	ug/L	50.1		96.5	65-135			
1,2-Dichloropropane	50.41	1.0	ug/L	50.1		101	35-165			
Dibromomethane	48.64	1.0	ug/L	50.4		96.6	71-139			
Bromodichloromethane	49.93	1.0	ug/L	50.1		99.7	65-135			
2-Chloroethylvinyl ether	107.6	10.0	ug/L	100		108	5-225			
cis-1,3-Dichloropropene	46.19	1.0	ug/L	50.1		92.2	25-175			
Toluene	49.84	1.0	ug/L	50.5		98.7	70-130			
trans-1,3-Dichloropropene	47.14	1.0	ug/L	50.1		94.1	50-150			
1,1,2-Trichloroethane	49.51	1.0	ug/L	50.1		98.8	70-130			
Tetrachloroethylene	45.65	1.0	ug/L	50.1		91.1	70-130			
Dibromochloromethane	44.54	1.0	ug/L	50.1		89.0	70-135			
Chlorobenzene	45.35	1.0	ug/L	50.1		90.6	65-135			
Ethylbenzene	48.26	1.0	ug/L	50.2		96.2	60-140			
Xylenes, total	146.7	2.0	ug/L	151		97.1	79-126			
Bromoform	48.82	1.0	ug/L	50.1		97.4	70-130			
1,1,2,2-Tetrachloroethane	45.94	1.0	ug/L	50.1		91.7	60-140			
1,3-Dichlorobenzene	47.53	1.0	ug/L	50.1		94.9	70-130			
1,4-Dichlorobenzene	48.52	1.0	ug/L	50.1		96.8	65-135			
1,2-Dichlorobenzene	46.55	1.0	ug/L	50.1		92.9	65-135			
Surrogate: Dibromofluoromethane	51.8		ug/L	50.2		103	59-123			
Surrogate: 1,2-Dichloroethane-d4	52.0		ug/L	50.4		103	56-130			
Surrogate: Toluene-d8	53.7		ug/L	50.5		106	85-113			
Surrogate: 4-Bromofluorobenzene	51.2		ug/L	50.2		102	82-112			
Matrix Spike (11J1715-MS1)										
Source: 11J2193-01 Prepared: 10/29/25 00:00 Analyzed: 10/29/25 19:02										
Chloromethane	226.0	10.0	ug/L	303	ND	74.5	5-273			
Vinyl Chloride	257.4	10.0	ug/L	302	ND	85.1	5-251			
Bromomethane	404.7	10.0	ug/L	301	ND	134	5-242			
Chloroethane	247.8	10.0	ug/L	303	ND	81.7	14-230			
1,1-Dichloroethylene	382.2	10.0	ug/L	501	ND	76.2	5-235			
Methylene Chloride	398.2	50.0	ug/L	501	ND	79.5	5-221			
trans-1,2-Dichloroethylene	415.0	10.0	ug/L	501	ND	82.9	54-156			
1,1-Dichloroethane	382.5	10.0	ug/L	501	ND	76.3	59-155			
cis-1,2-Dichloroethylene	543.5	10.0	ug/L	504	ND	108	42-168			
2-Butanone (MEK)	1214	100	ug/L	1000	ND	121	57-133			
Chloroform	625.7	10.0	ug/L	501	ND	125	51-138			
1,1,1-Trichloroethane	550.9	10.0	ug/L	501	ND	110	52-162			
Carbon Tetrachloride	416.3	10.0	ug/L	501	ND	83.1	70-140			
Benzene	488.1	10.0	ug/L	504	ND	96.8	37-151			

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CERTIFICATE OF ANALYSIS

11J1690

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1715 - EPA 5030B - EPA 624.1										
Matrix Spike (11J1715-MS1)	Source: 11J2193-01			Prepared: 10/29/25 00:00 Analyzed: 10/29/25 19:02						
1,2-Dichloroethane	506.0	10.0	ug/L	501	ND	101	59-155			
Trichloroethylene	508.4	10.0	ug/L	501	ND	101	70-157			
1,2-Dichloropropane	505.7	10.0	ug/L	501	ND	101	5-210			
Dibromomethane	485.3	10.0	ug/L	504	ND	96.4	62-141			
Bromodichloromethane	503.8	10.0	ug/L	501	ND	101	35-155			
2-Chloroethylvinyl ether	1214	100	ug/L	1000	ND	121	5-305			
cis-1,3-Dichloropropene	459.5	10.0	ug/L	501	ND	91.7	5-227			
Toluene	511.8	10.0	ug/L	505	ND	101	47-150			
trans-1,3-Dichloropropene	467.8	10.0	ug/L	501	ND	93.4	17-183			
1,1,2-Trichloroethane	501.1	10.0	ug/L	501	ND	100	52-150			
Tetrachloroethylene	498.7	10.0	ug/L	501	ND	99.5	64-148			
Dibromochloromethane	466.3	10.0	ug/L	501	ND	93.1	53-149			
Chlorobenzene	472.8	10.0	ug/L	501	ND	94.4	37-160			
Ethylbenzene	508.7	10.0	ug/L	502	ND	101	79-119			
Xylenes, total	1549	20.0	ug/L	1510	ND	103	80-120			
Bromoform	503.5	10.0	ug/L	501	ND	100	45-169			
1,1,2,2-Tetrachloroethane	457.1	10.0	ug/L	501	ND	91.2	46-157			
1,3-Dichlorobenzene	481.7	10.0	ug/L	501	ND	96.2	59-156			
1,4-Dichlorobenzene	492.0	10.0	ug/L	501	ND	98.2	18-190			
1,2-Dichlorobenzene	476.8	10.0	ug/L	501	ND	95.2	18-190			
Surrogate: Dibromofluoromethane	586		ug/L	502		117	59-123			
Surrogate: 1,2-Dichloroethane-d4	396		ug/L	504		78.6	56-130			
Surrogate: Toluene-d8	532		ug/L	505		105	85-113			
Surrogate: 4-Bromofluorobenzene	523		ug/L	502		104	82-112			
Matrix Spike Dup (11J1715-MSD1)	Source: 11J2193-01			Prepared: 10/29/25 00:00 Analyzed: 10/29/25 19:25						
Chloromethane	289.9	10.0	ug/L	303	ND	95.6	5-273	24.8	60	
Vinyl Chloride	314.0	10.0	ug/L	302	ND	104	5-251	19.8	66	
Bromomethane	463.3	10.0	ug/L	301	ND	154	5-242	13.5	61	
Chloroethane	304.7	10.0	ug/L	303	ND	101	14-230	20.6	78	
1,1-Dichloroethylene	478.8	10.0	ug/L	501	ND	95.5	5-235	22.4	32	
Methylene Chloride	511.9	50.0	ug/L	501	ND	102	5-221	25.0	60	
trans-1,2-Dichloroethylene	512.0	10.0	ug/L	501	ND	102	54-156	20.9	45	
1,1-Dichloroethane	495.3	10.0	ug/L	501	ND	98.9	59-155	25.7	40	
cis-1,2-Dichloroethylene	469.8	10.0	ug/L	504	ND	93.3	42-168	14.5	28	
2-Butanone (MEK)	1043	100	ug/L	1000	ND	104	57-133	15.2	30	
Chloroform	492.2	10.0	ug/L	501	ND	98.3	51-138	23.9	54	
1,1,1-Trichloroethane	472.7	10.0	ug/L	501	ND	94.3	52-162	15.3	36	
Carbon Tetrachloride	526.2	10.0	ug/L	501	ND	105	70-140	23.3	41	
Benzene	460.1	10.0	ug/L	504	ND	91.2	37-151	5.91	61	
1,2-Dichloroethane	482.1	10.0	ug/L	501	ND	96.3	59-155	4.84	49	
Trichloroethylene	476.0	10.0	ug/L	501	ND	95.0	70-157	6.58	48	
1,2-Dichloropropane	490.2	10.0	ug/L	501	ND	97.9	5-210	3.11	55	

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1715 - EPA 5030B - EPA 624.1										
Matrix Spike Dup (1IJ1715-MSD1)	Source: 1IJ2193-01			Prepared: 10/29/25 00:00 Analyzed: 10/29/25 19:25						
Dibromomethane	471.9	10.0	ug/L	504	ND	93.7	62-141	2.80	11	
Bromodichloromethane	484.4	10.0	ug/L	501	ND	96.7	35-155	3.93	56	
2-Chloroethylvinyl ether	1233	100	ug/L	1000	ND	123	5-305	1.51	71	
cis-1,3-Dichloropropene	461.1	10.0	ug/L	501	ND	92.1	5-227	0.348	58	
Toluene	480.0	10.0	ug/L	505	ND	95.1	47-150	6.41	41	
trans-1,3-Dichloropropene	455.1	10.0	ug/L	501	ND	90.9	17-183	2.75	86	
1,1,2-Trichloroethane	476.8	10.0	ug/L	501	ND	95.2	52-150	4.97	45	
Tetrachloroethylene	369.9	10.0	ug/L	501	ND	73.8	64-148	29.7	39	
Dibromochloromethane	360.7	10.0	ug/L	501	ND	72.0	53-149	25.5	50	
Chlorobenzene	456.6	10.0	ug/L	501	ND	91.2	37-160	3.49	53	
Ethylbenzene	382.6	10.0	ug/L	502	ND	76.3	79-119	28.3	63	M2
Xylenes, total	1152	20.0	ug/L	1510	ND	76.3	80-120	29.4	12	M2
Bromoform	377.6	10.0	ug/L	501	ND	75.3	45-169	28.6	42	
1,1,2,2-Tetrachloroethane	458.7	10.0	ug/L	501	ND	91.6	46-157	0.349	61	
1,3-Dichlorobenzene	468.8	10.0	ug/L	501	ND	93.6	59-156	2.71	43	
1,4-Dichlorobenzene	465.9	10.0	ug/L	501	ND	92.9	18-190	5.45	57	
1,2-Dichlorobenzene	462.9	10.0	ug/L	501	ND	92.4	18-190	2.96	57	
Surrogate: Dibromofluoromethane	508		ug/L	502		101	59-123			
Surrogate: 1,2-Dichloroethane-d4	523		ug/L	504		104	56-130			
Surrogate: Toluene-d8	531		ug/L	505		105	85-113			
Surrogate: 4-Bromofluorobenzene	401		ug/L	502		79.9	82-112			S2

Inorganics Total	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1087 - General Prep Micro - SM 5210 B-2016										
Blank (1IJ1087-BLK1)	Prepared: 10/17/25 16:01 Analyzed: 10/22/25 11:21									
Biochemical Oxygen Demand (BOD5)	<2	2	mg/L							
Duplicate (1IJ1087-DUP1)	Source: 1IJ1692-01			Prepared: 10/17/25 16:01 Analyzed: 10/22/25 12:06						
Biochemical Oxygen Demand (BOD5)	176	24	mg/L		169			4.13	30	
Reference (1IJ1087-SRM1)	Prepared: 10/17/25 16:01 Analyzed: 10/22/25 11:29									
Biochemical Oxygen Demand (BOD5)	186	100	mg/L	198		93.7	84.6-115.4			

Metals Total by AA	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1553 - EPA 7470A Hg Water - EPA 245.1, Rv. 3 (1994)										
Blank (1IJ1553-BLK1)	Prepared: 10/27/25 15:38 Analyzed: 10/28/25 17:10									
Mercury	<0.00050	0.00050	mg/L							
LCS (1IJ1553-BS1)	Prepared: 10/27/25 15:38 Analyzed: 10/28/25 17:12									
Mercury	0.00236	0.00050	mg/L	0.00250		94.2	85-115			

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Metals Total by AA	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1553 - EPA 7470A Hg Water - EPA 245.1, Rv. 3 (1994)										

Matrix Spike (1IJ1553-MS1)	Source: 1IJ1690-01			Prepared: 10/27/25 15:38 Analyzed: 10/28/25 17:17						
Mercury	0.00214	0.00050	mg/L	0.00250	ND	85.7	70-130			
Matrix Spike Dup (1IJ1553-MSD1)	Source: 1IJ1690-01			Prepared: 10/27/25 15:38 Analyzed: 10/28/25 17:19						
Mercury	0.00204	0.00050	mg/L	0.00250	ND	81.4	70-130	5.15	10	

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1187 - EPA 625 BNA - EPA 625.1										

Blank (1IJ1187-BLK1)	Prepared: 10/21/25 09:43 Analyzed: 10/27/25 14:14									
Bis(2-Chloroethyl) Ether	<10	10	ug/L							
2-Chlorophenol	<10	10	ug/L							
1,3-Dichlorobenzene	<10	10	ug/L							
1,4-Dichlorobenzene	<10	10	ug/L							
Benzyl Alcohol	<10	10	ug/L							
1,2-Dichlorobenzene	<10	10	ug/L							
Bis[2-Chloroisopropyl]ether	<10	10	ug/L							
n-Nitroso-di-n-propylamine	<10	10	ug/L							
Hexachloroethane	<10	10	ug/L							
Nitrobenzene	<10	10	ug/L							
Isophorone	<10	10	ug/L							
2-Nitrophenol	<10	10	ug/L							
2,4-Dimethylphenol	<10	10	ug/L							
Bis (2-Chloroethoxy) Methane	<10	10	ug/L							
Benzoic acid	<50	50	ug/L							
2,4-Dichlorophenol	<10	10	ug/L							
1,2,4-Trichlorobenzene	<10	10	ug/L							
Naphthalene	<10	10	ug/L							
Hexachlorobutadiene	<20	20	ug/L							
4-Chloro-3-methylphenol	<10	10	ug/L							
Hexachlorocyclopentadiene	<20	20	ug/L							
2,4,6-Trichlorophenol	<10	10	ug/L							
2,4,5-Trichlorophenol	<50	50	ug/L							
2-Chloronaphthalene	<10	10	ug/L							
Dimethylphthalate	<15	15	ug/L							
Acenaphthylene	<10	10	ug/L							
2,6-Dinitrotoluene	<10	10	ug/L							
Acenaphthene	<10	10	ug/L							
2,4-Dinitrophenol	<20	20	ug/L							
Dibenzofuran	<10	10	ug/L							
2,4-Dinitrotoluene	<10	10	ug/L							
4-Nitrophenol	<10	10	ug/L							
Diethyl Phthalate	<30	30	ug/L							

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Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1187 - EPA 625 BNA - EPA 625.1									
Blank (1IJ1187-BLK1)									
Prepared: 10/21/25 09:43 Analyzed: 10/27/25 14:14									
Fluorene	<10	10	ug/L						
4-Chlorophenyl Phenyl Ether	<10	10	ug/L						
4,6-Dinitro-2-methylphenol	<20	20	ug/L						
N-Nitrosodiphenylamine	<10	10	ug/L						
4-Bromophenyl Phenyl Ether	<10	10	ug/L						
Hexachlorobenzene	<10	10	ug/L						
Pentachlorophenol	<20	20	ug/L						
Phenanthrene	<10	10	ug/L						
Anthracene	<10	10	ug/L						
Di-n-butyl Phthalate	<10	10	ug/L						
Fluoranthene	<10	10	ug/L						
Pyrene	<10	10	ug/L						
Butyl Benzyl Phthalate	<10	10	ug/L						
Benzo(a)anthracene	<10	10	ug/L						
Chrysene	<10	10	ug/L						
Bis(2-Ethylhexyl) Phthalate	<10	10	ug/L						
Di-n-octyl Phthalate	<10	10	ug/L						
Indeno(1,2,3-cd)Pyrene	<10	10	ug/L						
3,3'-Dichlorobenzidine	<20	20	ug/L						
Benzo(b)Fluoranthene	<10	10	ug/L						
Benzo(k)Fluoranthene	<10	10	ug/L						
Benzo(a)Pyrene	<10	10	ug/L						
Dibenzo(a,h)anthracene	<10	10	ug/L						
Benzo(g,h,i)perylene	<10	10	ug/L						
Surrogate: 2-Fluorophenol	ND		ug/L	20.2		30.9	16-140		
Surrogate: Phenol-d6	ND		ug/L	19.8		36.8	13-147		
Surrogate: Nitrobenzene-d5	ND		ug/L	19.5		25.8	17-150		
Surrogate: 2-Fluorobiphenyl	ND		ug/L	19.4		31.0	15-134		
Surrogate: 2,4,6-Tribromophenol	12.0		ug/L	20.5		58.4	20-158		
Surrogate: Terphenyl-d14	ND		ug/L	12.2		61.8	12-157		
LCS (1IJ1187-BS1)									
Prepared: 10/21/25 09:43 Analyzed: 10/27/25 14:39									
Bis(2-Chloroethyl) Ether	<10	10	ug/L	12.0		18.8	43-126		Q3
2-Chlorophenol	<10	10	ug/L	12.0		33.3	36-120		Q3
1,3-Dichlorobenzene	<10	10	ug/L	12.0			18-95		Q3
1,4-Dichlorobenzene	<10	10	ug/L	12.0			18-99		Q3
Benzyl Alcohol	<10	10	ug/L	12.0		40.0	10-125		
1,2-Dichlorobenzene	<10	10	ug/L	12.0			20-100		Q3
Bis[2-Chloroisopropyl]ether	<10	10	ug/L	12.0		14.8	63-139		Q3
n-Nitroso-di-n-propylamine	<10	10	ug/L	12.0		32.9	14-198		
Hexachloroethane	<10	10	ug/L	12.0			55-120		Q3
Nitrobenzene	<10	10	ug/L	12.0		25.9	54-158		Q3
Isophorone	<10	10	ug/L	12.0		41.1	47-180		Q3

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Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1187 - EPA 625 BNA - EPA 625.1									
LCS (11J1187-BS1)									
				Prepared: 10/21/25 09:43 Analyzed: 10/27/25 14:39					
2-Nitrophenol	<10	10	ug/L	12.0		35.0	45-167		Q3
2,4-Dimethylphenol	<10	10	ug/L	12.0		43.2	42-120		
Bis (2-Chloroethoxy) Methane	<10	10	ug/L	12.0		37.4	49-165		Q3
2,4-Dichlorophenol	<10	10	ug/L	12.0		47.2	53-122		Q3
1,2,4-Trichlorobenzene	<10	10	ug/L	12.0		9.92	57-130		Q3
Naphthalene	<10	10	ug/L	12.0		16.4	36-120		Q3
Hexachlorobutadiene	<20	20	ug/L	12.0			38-120		Q3
4-Chloro-3-methylphenol	<10	10	ug/L	12.0		51.1	41-128		
Hexachlorocyclopentadiene	<20	20	ug/L	12.0			10-107		Q3
2,4,6-Trichlorophenol	<10	10	ug/L	12.0		53.3	52-129		
2,4,5-Trichlorophenol	<50	50	ug/L	12.0		58.2	50-121		
2-Chloronaphthalene	<10	10	ug/L	12.0		26.2	65-120		Q3
Dimethylphthalate	<15	15	ug/L	12.0		57.6	1-120		
Acenaphthylene	<10	10	ug/L	12.0		37.2	54-126		Q3
2,6-Dinitrotoluene	<10	10	ug/L	12.0		56.6	68-137		Q3
Acenaphthene	<10	10	ug/L	12.0		33.2	60-132		Q3
2,4-Dinitrophenol	<20	20	ug/L	12.0		90.0	1-172		
Dibenzofuran	<10	10	ug/L	12.0		41.3	49-108		Q3
2,4-Dinitrotoluene	<10	10	ug/L	12.0		60.2	48-127		
4-Nitrophenol	<10	10	ug/L	12.0		70.8	13-129		
Diethyl Phthalate	<30	30	ug/L	12.0		63.7	1-120		
Fluorene	<10	10	ug/L	12.0		46.1	70-120		Q3
4-Chlorophenyl Phenyl Ether	<10	10	ug/L	12.0		45.6	38-145		
4,6-Dinitro-2-methylphenol	<20	20	ug/L	12.0		78.6	53-130		
N-Nitrosodiphenylamine	<10	10	ug/L	12.0		59.2	29-136		
4-Bromophenyl Phenyl Ether	<10	10	ug/L	12.0		52.7	44-127		
Hexachlorobenzene	<10	10	ug/L	12.0		38.6	8-142		
Pentachlorophenol	<20	20	ug/L	12.0		130	38-152		
Phenanthrene	<10	10	ug/L	12.0		61.5	65-120		Q3
Anthracene	<10	10	ug/L	12.0		62.2	43-120		
Di-n-butyl Phthalate	10.6	10	ug/L	12.0		88.4	8-120		
Fluoranthene	10.3	10	ug/L	12.0		85.8	42-121		
Pyrene	10.3	10	ug/L	12.0		85.8	70-120		
Butyl Benzyl Phthalate	10.7	10	ug/L	12.0		88.8	1-140		
Benzo(a)anthracene	10.6	10	ug/L	12.0		88.7	42-133		
Chrysene	10.8	10	ug/L	12.0		90.3	44-140		
Bis(2-Ethylhexyl) Phthalate	11.7	10	ug/L	12.0		97.2	29-137		
Di-n-octyl Phthalate	10.2	10	ug/L	12.0		84.7	19-132		
Indeno(1,2,3-cd)Pyrene	<10	10	ug/L	12.0		79.3	1-151		
Benzo(b)Fluoranthene	10.6	10	ug/L	12.0		88.3	42-140		
Benzo(k)Fluoranthene	10.6	10	ug/L	12.0		88.1	27-168		
Benzo(a)Pyrene	10.6	10	ug/L	12.0		88.2	32-148		

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Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1187 - EPA 625 BNA - EPA 625.1									
LCS (1IJ1187-BS1)									
				Prepared: 10/21/25 09:43 Analyzed: 10/27/25 14:39					
Dibenzo(a,h)anthracene	<10	10	ug/L	12.0		78.5	1-200		
Benzo(g,h,i)perylene	<10	10	ug/L	12.0		79.7	1-195		
Surrogate: 2-Fluorophenol	6.63		ug/L	20.2		32.8	16-140		
Surrogate: Phenol-d6	8.57		ug/L	19.8		43.3	13-147		
Surrogate: Nitrobenzene-d5	5.21		ug/L	19.5		26.7	17-150		
Surrogate: 2-Fluorobiphenyl	6.09		ug/L	19.4		31.4	15-134		
Surrogate: 2,4,6-Tribromophenol	15.9		ug/L	20.5		77.7	20-158		
Surrogate: Terphenyl-dl4	11.8		ug/L	12.2		97.3	12-157		
Batch 1IJ1767 - EPA 625 BNA - EPA 625.1									
Blank (1IJ1767-BLK1)									
				Prepared: 10/30/25 13:16 Analyzed: 10/31/25 12:50					
Bis(2-Chloroethyl) Ether	<10	10	ug/L						
2-Chlorophenol	<10	10	ug/L						
1,3-Dichlorobenzene	<10	10	ug/L						
1,4-Dichlorobenzene	<10	10	ug/L						
Benzyl Alcohol	<10	10	ug/L						
1,2-Dichlorobenzene	<10	10	ug/L						
Bis[2-Chloroisopropyl]ether	<10	10	ug/L						
n-Nitroso-di-n-propylamine	<10	10	ug/L						
Hexachloroethane	<10	10	ug/L						
Nitrobenzene	<10	10	ug/L						
Isophorone	<10	10	ug/L						
2-Nitrophenol	<10	10	ug/L						
2,4-Dimethylphenol	<10	10	ug/L						
Bis (2-Chloroethoxy) Methane	<10	10	ug/L						
Benzoic acid	<50	50	ug/L						
2,4-Dichlorophenol	<10	10	ug/L						
1,2,4-Trichlorobenzene	<10	10	ug/L						
Naphthalene	<10	10	ug/L						
Hexachlorobutadiene	<20	20	ug/L						
4-Chloro-3-methylphenol	<10	10	ug/L						
Hexachlorocyclopentadiene	<20	20	ug/L						
2,4,6-Trichlorophenol	<10	10	ug/L						
2,4,5-Trichlorophenol	<50	50	ug/L						
2-Chloronaphthalene	<10	10	ug/L						
Dimethylphthalate	<15	15	ug/L						
Acenaphthylene	<10	10	ug/L						
2,6-Dinitrotoluene	<10	10	ug/L						
Acenaphthene	<10	10	ug/L						
2,4-Dinitrophenol	<20	20	ug/L						
Dibenzofuran	<10	10	ug/L						

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Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1767 - EPA 625 BNA - EPA 625.1									
Blank (11J1767-BLK1)									
Prepared: 10/30/25 13:16 Analyzed: 10/31/25 12:50									
2,4-Dinitrotoluene	<10	10	ug/L						
4-Nitrophenol	<10	10	ug/L						
Diethyl Phthalate	<30	30	ug/L						
Fluorene	<10	10	ug/L						
4-Chlorophenyl Phenyl Ether	<10	10	ug/L						
4,6-Dinitro-2-methylphenol	<20	20	ug/L						
N-Nitrosodiphenylamine	<10	10	ug/L						
4-Bromophenyl Phenyl Ether	<10	10	ug/L						
Hexachlorobenzene	<10	10	ug/L						
Pentachlorophenol	<20	20	ug/L						
Phenanthrene	<10	10	ug/L						
Anthracene	<10	10	ug/L						
Di-n-butyl Phthalate	<10	10	ug/L						
Fluoranthene	<10	10	ug/L						
Pyrene	<10	10	ug/L						
Butyl Benzyl Phthalate	<10	10	ug/L						
Benzo(a)anthracene	<10	10	ug/L						
Chrysene	<10	10	ug/L						
Bis(2-Ethylhexyl) Phthalate	<10	10	ug/L						
Di-n-octyl Phthalate	<10	10	ug/L						
Indeno(1,2,3-cd)Pyrene	<10	10	ug/L						
3,3'-Dichlorobenzidine	<20	20	ug/L						
Benzo(b)Fluoranthene	<10	10	ug/L						
Benzo(k)Fluoranthene	<10	10	ug/L						
Benzo(a)Pyrene	<10	10	ug/L						
Dibenzo(a,h)anthracene	<10	10	ug/L						
Benzo(g,h,i)perylene	<10	10	ug/L						
Surrogate: 2-Fluorophenol	94.3		ug/L	202		46.6	16-140		
Surrogate: Phenol-d6	66.8		ug/L	198		33.7	13-147		
Surrogate: Nitrobenzene-d5	109		ug/L	195		55.8	17-150		
Surrogate: 2-Fluorobiphenyl	131		ug/L	194		67.7	15-134		
Surrogate: 2,4,6-Tribromophenol	178		ug/L	205		86.7	20-158		
Surrogate: Terphenyl-d14	122		ug/L	122		100	12-157		
LCS (11J1767-BS1)									
Prepared: 10/30/25 13:16 Analyzed: 10/31/25 13:15									
Bis(2-Chloroethyl) Ether	63.7	10	ug/L	120		53.1	43-126		
2-Chlorophenol	71.0	10	ug/L	120		59.2	36-120		
1,3-Dichlorobenzene	57.7	10	ug/L	120		48.1	18-95		
1,4-Dichlorobenzene	58.4	10	ug/L	120		48.7	18-99		
Benzyl Alcohol	55.6	10	ug/L	120		46.3	10-125		
1,2-Dichlorobenzene	61.4	10	ug/L	120		51.2	20-100		
Bis[2-Chloroisopropyl]ether	66.2	10	ug/L	120		55.2	63-139		Q3
n-Nitroso-di-n-propylamine	61.7	10	ug/L	120		51.4	14-198		

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Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1767 - EPA 625 BNA - EPA 625.1									
LCS (1IJ1767-BS1)									
				Prepared: 10/30/25 13:16 Analyzed: 10/31/25 13:15					
Hexachloroethane	47.5	10	ug/L	120	39.6	55-120			Q3
Nitrobenzene	70.8	10	ug/L	120	59.0	54-158			
Isophorone	70.0	10	ug/L	120	58.3	47-180			
2-Nitrophenol	81.7	10	ug/L	120	68.1	45-167			
2,4-Dimethylphenol	75.9	10	ug/L	120	63.2	42-120			
Bis (2-Chloroethoxy) Methane	71.1	10	ug/L	120	59.2	49-165			
2,4-Dichlorophenol	81.8	10	ug/L	120	68.2	53-122			
1,2,4-Trichlorobenzene	75.4	10	ug/L	120	62.8	57-130			
Naphthalene	73.2	10	ug/L	120	61.0	36-120			
Hexachlorobutadiene	65.5	20	ug/L	120	54.6	38-120			
4-Chloro-3-methylphenol	75.8	10	ug/L	120	63.2	41-128			
Hexachlorocyclopentadiene	34.2	20	ug/L	120	28.5	10-107			
2,4,6-Trichlorophenol	91.4	10	ug/L	120	76.2	52-129			
2,4,5-Trichlorophenol	93.6	50	ug/L	120	78.0	50-121			
2-Chloronaphthalene	75.2	10	ug/L	120	62.7	65-120			Q3
Dimethylphthalate	88.5	15	ug/L	120	73.8	1-120			
Acenaphthylene	78.8	10	ug/L	120	65.7	54-126			
2,6-Dinitrotoluene	94.5	10	ug/L	120	78.8	68-137			
Acenaphthene	75.6	10	ug/L	120	63.0	60-132			
2,4-Dinitrophenol	164.2	20	ug/L	120	137	1-172			
Dibenzofuran	81.4	10	ug/L	120	67.8	49-108			
2,4-Dinitrotoluene	98.9	10	ug/L	120	82.4	48-127			
4-Nitrophenol	59.9	10	ug/L	120	49.9	13-129			
Diethyl Phthalate	97.2	30	ug/L	120	81.0	1-120			
Fluorene	83.5	10	ug/L	120	69.6	70-120			Q3
4-Chlorophenyl Phenyl Ether	89.5	10	ug/L	120	74.6	38-145			
4,6-Dinitro-2-methylphenol	132.3	20	ug/L	120	110	53-130			
N-Nitrosodiphenylamine	90.3	10	ug/L	120	75.2	29-136			
4-Bromophenyl Phenyl Ether	93.6	10	ug/L	120	78.0	44-127			
Hexachlorobenzene	94.5	10	ug/L	120	78.8	8-142			
Pentachlorophenol	198.7	20	ug/L	120	166	38-152			Q2
Phenanthrene	99.0	10	ug/L	120	82.5	65-120			
Anthracene	101.6	10	ug/L	120	84.7	43-120			
Di-n-butyl Phthalate	114.8	10	ug/L	120	95.7	8-120			
Fluoranthene	120.3	10	ug/L	120	100	42-121			
Pyrene	110.7	10	ug/L	120	92.2	70-120			
Butyl Benzyl Phthalate	100.7	10	ug/L	120	83.9	1-140			
Benzo(a)anthracene	112.2	10	ug/L	120	93.5	42-133			
Chrysene	115.7	10	ug/L	120	96.4	44-140			
Bis(2-Ethylhexyl) Phthalate	95.0	10	ug/L	120	79.2	29-137			
Di-n-octyl Phthalate	96.8	10	ug/L	120	80.7	19-132			
Indeno(1,2,3-cd)Pyrene	108.2	10	ug/L	120	90.2	1-151			

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Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1767 - EPA 625 BNA - EPA 625.1									
LCS (11J1767-BS1) Prepared: 10/30/25 13:16 Analyzed: 10/31/25 13:15									
Benzo(b)Fluoranthene	115.8	10	ug/L	120		96.5 42-140			
Benzo(k)Fluoranthene	118.3	10	ug/L	120		98.6 27-168			
Benzo(a)Pyrene	116.5	10	ug/L	120		97.1 32-148			
Dibenzo(a,h)anthracene	106.8	10	ug/L	120		89.0 1-200			
Benzo(g,h,i)perylene	109.9	10	ug/L	120		91.6 1-195			
Surrogate: 2-Fluorophenol	102		ug/L	202		50.3 16-140			
Surrogate: Phenol-d6	75.5		ug/L	198		38.1 13-147			
Surrogate: Nitrobenzene-d5	125		ug/L	195		64.0 17-150			
Surrogate: 2-Fluorobiphenyl	143		ug/L	194		73.8 15-134			
Surrogate: 2,4,6-Tribromophenol	205		ug/L	205		99.8 20-158			
Surrogate: Terphenyl-d14	129		ug/L	122		106 12-157			
LCS Dup (11J1767-BS1) Prepared: 10/30/25 13:16 Analyzed: 10/31/25 13:40									
Bis(2-Chloroethyl) Ether	60.3	10	ug/L	120		50.2 43-126	5.48	65	
2-Chlorophenol	67.4	10	ug/L	120		56.2 36-120	5.20	37	
1,3-Dichlorobenzene	58.3	10	ug/L	120		48.6 18-95	1.03	30	
1,4-Dichlorobenzene	59.0	10	ug/L	120		49.2 18-99	1.02	30	
Benzyl Alcohol	55.8	10	ug/L	120		46.5 10-125	0.359	30	
1,2-Dichlorobenzene	61.5	10	ug/L	120		51.2 20-100	0.163	30	
Bis[2-Chloroisopropyl]ether	63.0	10	ug/L	120		52.5 63-139	4.95	46	Q3
n-Nitroso-di-n-propylamine	60.1	10	ug/L	120		50.1 14-198	2.63	52	
Hexachloroethane	50.5	10	ug/L	120		42.1 55-120	6.12	32	Q3
Nitrobenzene	68.9	10	ug/L	120		57.4 54-158	2.72	37	
Isophorone	69.3	10	ug/L	120		57.8 47-180	1.01	56	
2-Nitrophenol	81.4	10	ug/L	120		67.8 45-167	0.368	33	
2,4-Dimethylphenol	74.7	10	ug/L	120		62.2 42-120	1.59	35	
Bis (2-Chloroethoxy) Methane	68.5	10	ug/L	120		57.1 49-165	3.72	32	
2,4-Dichlorophenol	83.8	10	ug/L	120		69.8 53-122	2.42	30	
1,2,4-Trichlorobenzene	75.6	10	ug/L	120		63.0 57-130	0.265	30	
Naphthalene	71.2	10	ug/L	120		59.3 36-120	2.77	39	
Hexachlorobutadiene	70.2	20	ug/L	120		58.5 38-120	6.93	38	
4-Chloro-3-methylphenol	83.3	10	ug/L	120		69.4 41-128	9.43	44	
Hexachlorocyclopentadiene	35.7	20	ug/L	120		29.8 10-107	4.29	30	
2,4,6-Trichlorophenol	96.7	10	ug/L	120		80.6 52-129	5.64	35	
2,4,5-Trichlorophenol	103.7	50	ug/L	120		86.4 50-121	10.2	25	
2-Chloronaphthalene	76.6	10	ug/L	120		63.8 65-120	1.84	26	Q3
Dimethylphthalate	101.9	15	ug/L	120		84.9 1-120	14.1	110	
Acenaphthylene	80.4	10	ug/L	120		67.0 54-126	2.01	45	
2,6-Dinitrotoluene	108.6	10	ug/L	120		90.5 68-137	13.9	29	
Acenaphthene	78.7	10	ug/L	120		65.6 60-132	4.02	29	
2,4-Dinitrophenol	185.5	20	ug/L	120		155 1-172	12.2	79	
Dibenzofuran	86.4	10	ug/L	120		72.0 49-108	5.96	26	
2,4-Dinitrotoluene	116.1	10	ug/L	120		96.8 48-127	16.0	25	

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CERTIFICATE OF ANALYSIS

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Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch 1IJ1767 - EPA 625 BNA - EPA 625.1								

LCS Dup (1IJ1767-BSD1)				Prepared: 10/30/25 13:16 Analyzed: 10/31/25 13:40				
4-Nitrophenol	67.7	10	ug/L	120	56.4	13-129	12.2	79
Diethyl Phthalate	113.5	30	ug/L	120	94.6	1-120	15.5	60
Fluorene	91.9	10	ug/L	120	76.6	70-120	9.58	23
4-Chlorophenyl Phenyl Ether	98.6	10	ug/L	120	82.2	38-145	9.68	36
4,6-Dinitro-2-methylphenol	152.1	20	ug/L	120	127	53-130	13.9	122
N-Nitrosodiphenylamine	105.7	10	ug/L	120	88.1	29-136	15.7	30
4-Bromophenyl Phenyl Ether	105.6	10	ug/L	120	88.0	44-127	12.0	30
Hexachlorobenzene	106.1	10	ug/L	120	88.4	8-142	11.6	33
Pentachlorophenol	216.2	20	ug/L	120	180	38-152	8.44	52 Q2
Phenanthrene	112.4	10	ug/L	120	93.7	65-120	12.7	24
Anthracene	116.5	10	ug/L	120	97.1	43-120	13.7	40
Di-n-butyl Phthalate	129.5	10	ug/L	120	108	8-120	12.0	28
Fluoranthene	135.5	10	ug/L	120	113	42-121	11.9	40
Pyrene	125.7	10	ug/L	120	105	70-120	12.7	30
Butyl Benzyl Phthalate	115.6	10	ug/L	120	96.3	1-140	13.8	37
Benzo(a)anthracene	128.8	10	ug/L	120	107	42-133	13.8	32
Chrysene	129.9	10	ug/L	120	108	44-140	11.6	53
Bis(2-Ethylhexyl) Phthalate	107.8	10	ug/L	120	89.8	29-137	12.6	50
Di-n-octyl Phthalate	110.5	10	ug/L	120	92.1	19-132	13.2	42
Indeno(1,2,3-cd)Pyrene	125.7	10	ug/L	120	105	1-151	15.0	60
Benzo(b)Fluoranthene	133.3	10	ug/L	120	111	42-140	14.1	38
Benzo(k)Fluoranthene	135.0	10	ug/L	120	112	27-168	13.2	30
Benzo(a)Pyrene	133.3	10	ug/L	120	111	32-148	13.5	43
Dibenzo(a,h)anthracene	122.4	10	ug/L	120	102	1-200	13.6	75
Benzo(g,h,i)perylene	127.6	10	ug/L	120	106	1-195	14.9	61
Surrogate: 2-Fluorophenol	88.9		ug/L	202	43.9	16-140		
Surrogate: Phenol-d6	66.5		ug/L	198	33.6	13-147		
Surrogate: Nitrobenzene-d5	114		ug/L	195	58.3	17-150		
Surrogate: 2-Fluorobiphenyl	132		ug/L	194	68.1	15-134		
Surrogate: 2,4,6-Tribromophenol	220		ug/L	205	107	20-158		
Surrogate: Terphenyl-d14	136		ug/L	122	111	12-157		

Metals Total by ICP	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch 1IJ1227 - EPA 200.2 Total ICP-OES (200.7) - EPA 200.7, Rv. 4.4 (1994)								

Blank (1IJ1227-BLK1)				Prepared: 10/21/25 15:18 Analyzed: 10/23/25 07:59				
Iron	<0.100	0.100	mg/L					
LCS (1IJ1227-BS1)				Prepared: 10/21/25 15:18 Analyzed: 10/23/25 08:05				
Iron	2.43	0.100	mg/L	2.21	110	85-115		
Matrix Spike (1IJ1227-MS1)				Source: 1IJ1640-01 Prepared: 10/21/25 15:18 Analyzed: 10/23/25 08:16				
Iron	2.60	0.100	mg/L	2.21	0.127	112	70-130	



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CERTIFICATE OF ANALYSIS

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Metals Total by ICP	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1227 - EPA 200.2 Total ICP-OES (200.7) - EPA 200.7, Rv. 4.4 (1994)										
Matrix Spike Dup (1IJ1227-MSD1)		Source: 1IJ1640-01		Prepared: 10/21/25 15:18 Analyzed: 10/23/25 08:22						
Iron	2.55	0.100	mg/L	2.21	0.127	110	70-130	1.76	20	
Post Spike (1IJ1227-PS1)		Source: 1IJ1640-01		Prepared: 10/21/25 15:18 Analyzed: 10/23/25 08:28						
Iron	9.44		mg/L	8.82	0.127	106	85-115			
Metals Total by ICPMS	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1173 - EPA 200.2 Total ICP-MS - EPA 200.8, Rv. 5.4 (1994)										
Blank (1IJ1173-BLK1)		Prepared: 10/20/25 16:20 Analyzed: 10/21/25 18:11								
Arsenic	<0.0010	0.0010	mg/L							
Barium	<0.0010	0.0010	mg/L							
Cadmium	<0.0002	0.0002	mg/L							
Chromium	<0.0010	0.0010	mg/L							
Copper	<0.0050	0.0050	mg/L							
Lead	<0.0005	0.0005	mg/L							
Nickel	<0.0010	0.0010	mg/L							
Selenium	<0.0020	0.0020	mg/L							
Silver	<0.0050	0.0050	mg/L							
Zinc	<0.0200	0.0200	mg/L							
LCS (1IJ1173-BS1)		Prepared: 10/20/25 16:20 Analyzed: 10/22/25 12:28								
Arsenic	0.108	0.0010	mg/L	0.100		108	85-115			
Barium	0.115	0.0010	mg/L	0.100		115	85-115			
Cadmium	0.105	0.0002	mg/L	0.100		105	85-115			
Chromium	0.106	0.0010	mg/L	0.100		106	85-115			
Copper	0.108	0.0050	mg/L	0.100		108	85-115			
Lead	0.112	0.0005	mg/L	0.100		112	85-115			
Nickel	0.109	0.0010	mg/L	0.100		109	85-115			
Selenium	0.109	0.0020	mg/L	0.100		109	85-115			
Silver	0.112	0.0050	mg/L	0.100		112	85-115			
Zinc	0.109	0.0200	mg/L	0.100		109	85-115			
Matrix Spike (1IJ1173-MS1)		Source: 1IJ1565-02		Prepared: 10/20/25 16:20 Analyzed: 10/21/25 18:18						
Arsenic	0.108	0.0010	mg/L	0.100	0.0012	106	70-130			
Barium	0.123	0.0010	mg/L	0.100	0.0093	114	70-130			
Cadmium	0.103	0.0002	mg/L	0.100	ND	103	70-130			
Chromium	0.111	0.0010	mg/L	0.100	0.0053	106	70-130			
Copper	0.125	0.0050	mg/L	0.100	0.0254	99.2	70-130			
Lead	0.105	0.0005	mg/L	0.100	0.0002	105	70-130			
Nickel	0.162	0.0010	mg/L	0.100	0.0615	101	70-130			
Selenium	0.102	0.0020	mg/L	0.100	ND	102	70-130			
Silver	0.110	0.0050	mg/L	0.100	ND	110	70-130			
Zinc	0.322	0.0200	mg/L	0.100	0.204	118	70-130			
Matrix Spike Dup (1IJ1173-MSD1)		Source: 1IJ1565-02		Prepared: 10/20/25 16:20 Analyzed: 10/21/25 18:21						
Arsenic	0.109	0.0010	mg/L	0.100	0.0012	108	70-130	1.49	20	

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Metals Total by ICPMS	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1173 - EPA 200.2 Total ICP-MS - EPA 200.8, Rv. 5.4 (1994)										
Matrix Spike Dup (1IJ1173-MSD1)	Source: 1IJ1565-02			Prepared: 10/20/25 16:20 Analyzed: 10/21/25 18:21						
Barium	0.126	0.0010	mg/L	0.100	0.0093	117	70-130	2.17	20	
Cadmium	0.105	0.0002	mg/L	0.100	ND	105	70-130	1.71	20	
Chromium	0.108	0.0010	mg/L	0.100	0.0053	103	70-130	3.07	20	
Copper	0.126	0.0050	mg/L	0.100	0.0254	100	70-130	0.871	20	
Lead	0.104	0.0005	mg/L	0.100	0.0002	104	70-130	0.298	20	
Nickel	0.163	0.0010	mg/L	0.100	0.0615	101	70-130	0.290	20	
Selenium	0.103	0.0020	mg/L	0.100	ND	103	70-130	1.38	20	
Silver	0.111	0.0050	mg/L	0.100	ND	111	70-130	0.763	20	
Zinc	0.319	0.0200	mg/L	0.100	0.204	115	70-130	0.963	20	
Post Spike (1IJ1173-PS1)	Source: 1IJ1565-02			Prepared: 10/20/25 16:20 Analyzed: 10/21/25 18:28						
Arsenic	0.0224		mg/L	0.0200	0.0012	106	70-130			
Barium	0.0299		mg/L	0.0200	0.0093	103	70-130			
Cadmium	0.0201		mg/L	0.0200	0.000009	101	70-130			
Chromium	0.0251		mg/L	0.0200	0.0053	98.7	70-130			
Copper	0.0437		mg/L	0.0200	0.0254	91.6	70-130			
Lead	0.0205		mg/L	0.0200	0.0002	102	70-130			
Nickel	0.0795		mg/L	0.0200	0.0615	90.1	70-130			
Selenium	0.0200		mg/L	0.0200	0.0002	98.9	70-130			
Silver	0.0210		mg/L	0.0200	0.0004	103	70-130			
Zinc	0.215		mg/L	0.0200	0.204	53.0	70-130			M2
Determination of Organochlorine Insecticides & PCBs	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1143 - EPA 608 OC/PCB - EPA 608.3 GC-ECD										
Blank (1IJ1143-BLK1)	Prepared: 10/20/25 13:49 Analyzed: 10/22/25 19:52									
Gamma-BHC [Lindane]	<0.05	0.05	ug/L							
Beta-BHC	<0.05	0.05	ug/L							
Heptachlor	<0.05	0.05	ug/L							
Delta-BHC	<0.05	0.05	ug/L							
Aldrin	<0.05	0.05	ug/L							
Heptachlor Epoxide	<0.05	0.05	ug/L							
Endosulfan I	<0.05	0.05	ug/L							
4,4'-DDE	<0.05	0.05	ug/L							
Dieldrin	<0.05	0.05	ug/L							
Endrin	<0.05	0.05	ug/L							
4,4'-DDD	<0.05	0.05	ug/L							
Endosulfan II	<0.05	0.05	ug/L							
4,4'-DDT	<0.05	0.05	ug/L							
Endrin Aldehyde	<0.05	0.05	ug/L							
Endosulfan Sulfate	<0.05	0.05	ug/L							
Chlordane	<0.10	0.10	ug/L							

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CERTIFICATE OF ANALYSIS

11J1690

Determination of Organochlorine Insecticides & PCBs	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1143 - EPA 608 OC/PCB - EPA 608.3 GC-ECD									
Blank (11J1143-BLK1)									
				Prepared: 10/20/25 13:49 Analyzed: 10/22/25 19:52					
Toxaphene	<0.20	0.20	ug/L						
Arochlor 1016	<0.20	0.20	ug/L						
Arochlor 1221	<0.20	0.20	ug/L						
Arochlor 1232	<0.20	0.20	ug/L						
Arochlor 1242	<0.20	0.20	ug/L						
Arochlor 1248	<0.20	0.20	ug/L						
Arochlor 1254	<0.20	0.20	ug/L						
Arochlor 1260	<0.20	0.20	ug/L						
Surrogate: Tetrachloro-m-xylene	0.192		ug/L	0.600		32.0	10-144		
Surrogate: Decachlorobiphenyl	0.182		ug/L	0.600		30.3	10-148		
LCS (11J1143-BS1)									
				Prepared: 10/20/25 13:49 Analyzed: 10/22/25 20:06					
Gamma-BHC [Lindane]	0.216	0.05	ug/L	0.250		86.4	49-129		
Beta-BHC	0.205	0.05	ug/L	0.250		82.0	46-119		
Heptachlor	0.539	0.05	ug/L	0.250		216	58-130		Q2
Delta-BHC	0.208	0.05	ug/L	0.250		83.3	51-145		
Aldrin	0.196	0.05	ug/L	0.250		78.4	51-113		
Heptachlor Epoxide	0.214	0.05	ug/L	0.250		85.8	50-130		
Endosulfan I	0.223	0.05	ug/L	0.250		89.3	49-137		
4,4'-DDE	0.218	0.05	ug/L	0.250		87.2	55-123		
Dieldrin	0.224	0.05	ug/L	0.250		89.6	32-135		
Endrin	0.239	0.05	ug/L	0.250		95.4	18-171		
4,4'-DDD	0.227	0.05	ug/L	0.250		91.0	56-129		
Endosulfan II	0.227	0.05	ug/L	0.250		90.9	41-140		
4,4'-DDT	0.220	0.05	ug/L	0.250		88.0	52-143		
Endrin Aldehyde	0.209	0.05	ug/L	0.250		83.6	43-131		
Endosulfan Sulfate	0.228	0.05	ug/L	0.250		91.0	58-123		
Surrogate: Decachlorobiphenyl	0.0603		ug/L	0.600		10.1	10-148		
Surrogate: Tetrachloro-m-xylene	0.246		ug/L	0.600		41.0	10-144		
Matrix Spike (11J1143-MS1)									
				Source: 11J1601-01		Prepared: 10/20/25 13:49 Analyzed: 10/22/25 20:48			
Gamma-BHC [Lindane]	0.215	0.05	ug/L	0.240	ND	89.6	63-124		
Beta-BHC	0.226	0.05	ug/L	0.240	ND	94.3	60-119		
Heptachlor	0.252	0.05	ug/L	0.240	ND	105	54-133		
Delta-BHC	0.208	0.05	ug/L	0.240	ND	86.6	58-134		
Aldrin	0.210	0.05	ug/L	0.240	ND	87.4	60-121		
Heptachlor Epoxide	0.213	0.05	ug/L	0.240	ND	88.8	69-119		
Endosulfan I	0.219	0.05	ug/L	0.240	ND	91.2	67-118		
4,4'-DDE	0.196	0.05	ug/L	0.240	ND	81.5	60-124		
Dieldrin	0.214	0.05	ug/L	0.240	ND	89.0	69-122		
Endrin	0.237	0.05	ug/L	0.240	ND	98.7	52-140		
4,4'-DDD	0.220	0.05	ug/L	0.240	ND	91.8	60-137		

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CERTIFICATE OF ANALYSIS

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Determination of Organochlorine Insecticides & PCBs	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1143 - EPA 608 OC/PCB - EPA 608.3 GC-ECD									
Matrix Spike (1IJ1143-MS1)	Source: 1IJ1601-01			Prepared: 10/20/25 13:49 Analyzed: 10/22/25 20:48					
Endosulfan II	0.210	0.05	ug/L	0.240	ND	87.5	62-122		
4,4'-DDT	0.187	0.05	ug/L	0.240	ND	78.0	60-140		
Endrin Aldehyde	0.153	0.05	ug/L	0.240	ND	63.6	50-110		
Endosulfan Sulfate	0.201	0.05	ug/L	0.240	ND	83.8	55-140		

Surrogate: Tetrachloro-m-xylene 0.390 ug/L 0.576 67.7 10-144
Surrogate: Decachlorobiphenyl 0.125 ug/L 0.576 21.8 10-148

Matrix Spike Dup (1IJ1143-MSD1)	Source: 1IJ1601-01			Prepared: 10/20/25 13:49 Analyzed: 10/22/25 21:02					
Gamma-BHC [Lindane]	0.215	0.05	ug/L	0.239	ND	89.8	63-124	0.123	18
Beta-BHC	0.216	0.05	ug/L	0.239	ND	90.2	60-119	4.70	18
Heptachlor	0.235	0.05	ug/L	0.239	ND	98.4	54-133	6.94	23
Delta-BHC	0.204	0.05	ug/L	0.239	ND	85.2	58-134	1.92	21
Aldrin	0.201	0.05	ug/L	0.239	ND	84.0	60-121	4.25	21
Heptachlor Epoxide	0.207	0.05	ug/L	0.239	ND	86.3	69-119	3.14	19
Endosulfan I	0.218	0.05	ug/L	0.239	ND	91.3	67-118	0.108	19
4,4'-DDE	0.198	0.05	ug/L	0.239	ND	82.7	60-124	1.09	22
Dieldrin	0.215	0.05	ug/L	0.239	ND	90.0	69-122	0.859	18
Endrin	0.228	0.05	ug/L	0.239	ND	95.5	52-140	3.56	23
4,4'-DDD	0.221	0.05	ug/L	0.239	ND	92.3	60-137	0.247	23
Endosulfan II	0.211	0.05	ug/L	0.239	ND	88.3	62-122	0.705	19
4,4'-DDT	0.184	0.05	ug/L	0.239	ND	76.9	60-140	1.71	26
Endrin Aldehyde	0.160	0.05	ug/L	0.239	ND	66.8	50-110	4.56	24
Endosulfan Sulfate	0.201	0.05	ug/L	0.239	ND	84.1	55-140	0.0700	26

Surrogate: Tetrachloro-m-xylene 0.398 ug/L 0.574 69.3 10-144
Surrogate: Decachlorobiphenyl 0.130 ug/L 0.574 22.6 10-148

Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1106 - Wet Chem Preparation - USGS I-3765-85									
Blank (1IJ1106-BLK1)	Prepared: 10/20/25 06:45 Analyzed: 10/20/25 10:35								
Total Suspended Solids (TSS)	<1	1	mg/L						
LCS (1IJ1106-BS1)	Prepared: 10/20/25 06:45 Analyzed: 10/20/25 10:35								
Total Suspended Solids (TSS)	15.4	1	mg/L	15.0		103	73-110		
Duplicate (1IJ1106-DUP1)	Source: 1IJ1695-01 Prepared: 10/20/25 06:45 Analyzed: 10/20/25 10:35								
Total Suspended Solids (TSS)	226	1	mg/L		182			21.6	30

Batch 1IJ1135 - Wet Chem Preparation - USGS I-1750-85

Blank (1IJ1135-BLK1) Prepared: 10/20/25 11:10 Analyzed: 10/20/25 11:37



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1IJ1690

Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1135 - Wet Chem Preparation - USGS I-1750-85									
Blank (1IJ1135-BLK1)				Prepared: 10/20/25 11:10 Analyzed: 10/20/25 11:37					
Total Dissolved Solids (TDS)	<5	5	mg/L						
LCS (1IJ1135-BS1)				Prepared: 10/20/25 11:10 Analyzed: 10/20/25 11:37					
Total Dissolved Solids (TDS)	98	5	mg/L	100	97.7	83-110			
Duplicate (1IJ1135-DUP1)				Prepared: 10/20/25 11:10 Analyzed: 10/20/25 11:37					
Total Dissolved Solids (TDS)	10300	5	mg/L		11000		6.13	20	
Batch 1IJ1151 - General Prep HPLC/IC - TIMBERLINE									
Blank (1IJ1151-BLK1)				Prepared: 10/20/25 14:47 Analyzed: 10/21/25 10:31					
Nitrogen, Ammonia	<0.10	0.10	mg/L						
LCS (1IJ1151-BS1)				Prepared: 10/20/25 14:47 Analyzed: 10/21/25 10:32					
Nitrogen, Ammonia	5.45	0.10	mg/L	5.56	98.1	90-114			
Matrix Spike (1IJ1151-MS1)				Prepared: 10/20/25 14:47 Analyzed: 10/21/25 11:45					
Nitrogen, Ammonia	5.43	0.10	mg/L	5.56	ND	97.8	84-115		
Matrix Spike Dup (1IJ1151-MSD1)				Prepared: 10/20/25 14:47 Analyzed: 10/21/25 11:47					
Nitrogen, Ammonia	5.98	0.10	mg/L	5.56	ND	108	84-115	9.54	20
Batch 1IJ1254 - Wet Chem Preparation - SM 4500-H+ B-2011									
Duplicate (1IJ1254-DUP1)				Prepared & Analyzed: 10/21/25 16:39					
pH	7.5	0.5	pH	7.5			0.0266	10	
Reference (1IJ1254-SRM1)				Prepared & Analyzed: 10/21/25 16:39					
pH	7.0	0.5	pH	7.00	99.9	98.6-101.4			
Reference (1IJ1254-SRM2)				Prepared & Analyzed: 10/21/25 16:39					
pH	7.0	0.5	pH	7.00	100	98.6-101.4			
Batch 1IJ1434 - Wet Chem Preparation - EPA 1664A									
Blank (1IJ1434-BLK1)				Prepared: 10/24/25 08:36 Analyzed: 10/28/25 08:30					
Oil and Grease	<4	4	mg/L						
LCS (1IJ1434-BS1)				Prepared: 10/24/25 08:36 Analyzed: 10/28/25 08:30					
Oil and Grease	30.1	4	mg/L	40.0	75.2	78-114			Q3
LCS Dup (1IJ1434-BSD1)				Prepared: 10/24/25 08:36 Analyzed: 10/28/25 08:30					
Oil and Grease	36.9	4	mg/L	40.0	92.2	78-114	20.3	18	R1
Duplicate (1IJ1434-DUP1)				Prepared: 10/24/25 08:36 Analyzed: 10/28/25 08:30					
Oil and Grease	89.6	4	mg/L		53.9		49.8	18	R1
Batch 1IJ1706 - Wet Chem Preparation - EPA 351.2, Rv. 2 (1993)									
Blank (1IJ1706-BLK1)				Prepared & Analyzed: 10/29/25 16:22					
Nitrogen, Kjeldahl, total	<1.00	1.00	mg/L						



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CERTIFICATE OF ANALYSIS

1IJ1690

Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1706 - Wet Chem Preparation - EPA 351.2, Rv. 2 (1993)										
LCS (1IJ1706-BS1)				Prepared & Analyzed: 10/29/25 16:22						
Nitrogen, Kjeldahl, total	20.7	1.00	mg/L	20.0		103	90-110			
Matrix Spike (1IJ1706-MS1)				Source: 1IJ1674-03 Prepared & Analyzed: 10/29/25 16:22						
Nitrogen, Kjeldahl, total	59.8	2.50	mg/L	50.0	2.86	114	90-110			M1
Matrix Spike Dup (1IJ1706-MSD1)				Source: 1IJ1674-03 Prepared & Analyzed: 10/29/25 16:22						
Nitrogen, Kjeldahl, total	60.8	2.50	mg/L	50.0	2.86	116	90-110	1.69	10	M1

Batch 1IK0179 - TOC/DOC - 5310B

Blank (1IK0179-BLK1)				Prepared: 11/04/25 00:00 Analyzed: 11/04/25 11:14						
Total Organic Carbon	<0.50	0.50	mg/L							
LCS (1IK0179-BS1)				Prepared: 11/04/25 00:00 Analyzed: 11/04/25 10:44						
Total Organic Carbon	5.17	0.50	mg/L	5.00		103	90-114			
LCS Dup (1IK0179-BSD1)				Prepared: 11/04/25 00:00 Analyzed: 11/04/25 11:00						
Total Organic Carbon	5.29	0.50	mg/L	5.00		106	90-114	2.26	10	
Matrix Spike (1IK0179-MS1)				Source: 1IJ2601-02 Prepared: 11/04/25 00:00 Analyzed: 11/04/25 18:18						
Total Organic Carbon	5.32	0.50	mg/L	5.00	0.44	97.7	63-132			
Matrix Spike Dup (1IK0179-MSD1)				Source: 1IJ2601-02 Prepared: 11/04/25 00:00 Analyzed: 11/04/25 18:33						
Total Organic Carbon	5.25	0.50	mg/L	5.00	0.44	96.2	63-132	1.36	10	

Definitions

A14:	Sample was preserved with Hydrochloric Acid to pH <2 on receipt.
D4:	Dilution was performed due to high non-target analyte concentration.
H:	Sample was analyzed past holding time.
H2:	Initial analysis was within holding time. Reanalysis was done past holding time.
H4:	The test was performed outside of the EPA recommended holding time of 15 minutes.
M1:	Matrix spike recovery is above acceptance limits.
M2:	Matrix spike recovery is below acceptance limits.
Q2:	LCS recovery is above acceptance limits.
Q3:	LCS recovery is below acceptance limits. The reported value is estimated.
Q8:	CCV recovery is below acceptance limits. The reported value is estimated.
R1:	Duplicate RPD is outside acceptance criteria.
RL:	Reporting Limit
RPD:	Relative Percent Difference
S2:	Surrogate recovery is below acceptance limits.

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 4.4°C

CERTIFICATE OF ANALYSIS
1IJ1690

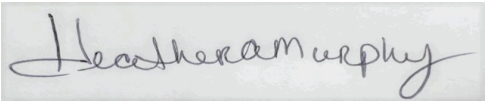
Cooler Inspection Checklist

Custody Seals	No	Containers Intact	Yes
COC/Labels Agree	Yes	Preservation Confirmed	No
Received On Ice	Yes		

Report Comments

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.

Reviewed and Approved By:



Heather Murphy
Customer Relationship Specialist
heather.murphy@microbac.com
11/12/25 09:39

CHAIN OF CUSTODY RECORD



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Phone: 641-792-8451

Page 1 of 1

Printed: 9/30/2025 9:21:58AM

Page 30 of 30

SITE INFORMATION

Sampler:

Project: RIWMA Annual Leachate
Annual Leachate

SPECIAL INSTRUCTIONS

None

Turn Around Time

☐ Standard ☐ RUSH, need by ___/___/___

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

~~Harm Jass~~ CLINT REENTS
HLW Engineering
204 West Broad St
Story City, IA 50248

LAB USE ONLY



1 I J 1 6 9 0

HLW Engineering
PM: Heather Murphy

Temperature: 4.4 °C

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
01-001	Leachate	Aqueous	GRAB	10/16/25	10:05	16	624-105 as-t-200.8 se-t-200.8 hg-t-245.1 toc-5310b fe-t-200.7 bod-5210 nh3-timberline ph-4500 ag-t-200.8 ba-t-200.8 cd-t-200.8 cr-t-200.8 cu-t-200.8 ni-t-200.8 zn-t-200.8 tkn-351.2 608-107 625-116 tss-i-3765-85 tds-i-1750-85 og-t-1664 pb-t-200.8 624@dibromochlorometha ne	01

Relinquished By

Date/Time

Relinquished By

Date/Time

Received By

Date/Time

Received for Lab By

Date/Time

Remarks:

Appendix I.4- Leachate Recirculation Volumes

Leachate Recirculation

Rural Iowa SLF

2025

[illegible]

—

33,750