

**2025 ANNUAL GROUNDWATER QUALITY REPORT
FOR THE
NORTHERN PLAINS REGIONAL
SANITARY LANDFILL
74-SDP-2-76P
GRAETTINGER, IOWA**

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Certification

Prepared by:  _____

Date: 1-22-2026

Typed: Todd Whipple, CPG

Section 1.0 Background Information

1.1 Report Format

Table 1 through Table 12 are attached to this report and satisfy the IDNR requirement to provide the tables to meet the IDNR format requirements included in Special Provision 4.g. of the Permit, dated December 3, 2025 (Doc #115111).

1.2 Report Priority

No requests are made herein for priority review of this document.

This report recommends the continued semi-annual detection, assessment, and corrective action monitoring. Quarterly gas monitoring is also recommended.

Additional ACM activities near MW-8 and MW-14 are not warranted at this time based on evaluation of the Confidence Intervals. Reevaluation of the confidence interval at MW-8 and MW-14 will again be included in the 2026 AWQR to be submitted in January, 2027.

1.3 Period of Report Coverage

Water quality data evaluation is based on a running compilation of data beginning in 2008 (VOC data). Statistical evaluations herein are based on the most recent water quality data collected October 20, 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 Northern Plains Regional Landfill is located in the NW ¼ of Section 21, T97N, R33W, Palo Alto County, Iowa. The facility is situated at 3032 420th Avenue, Graettinger, Iowa. The facility operates under the Iowa Department of Natural Resources (IDNR) Permit Number 74-SDP-2-76P.

Landfill Layout

The site is situated in the uplands above a tributary creek to the West Fork of the Des Moines River (to the east).

The facility includes a closed landfill, an abutting RCRA Subtitle D Expansion Area (Cell A, Cell B, Cell C, Cell D1, and Cell D2), and the Cell E1 and Cell E2 Expansion Areas completed in 2023 and 2025, respectively. Expansion Cells C, D1, D2, E1, and E2 are actively receiving waste from the planning area.

Applicable Rules

Iowa Administrative Code (IAC) 567-113 is applicable to the site.

1.6 Summary of Hydrologic Monitoring System Plan (HMSP)

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

The HMSP includes thirteen (13) monitoring wells and two (2) groundwater underdrains. MW-11, MW-12, MW-13, MW-17, MW-18, MW-19, MW-20, and MW-21 are the designated background wells for the facility. MW-3AR, MW-6B, MW-7A, MW-7B, MW-8, MW-9, MW-10, MW-14, MW-15, MW-16, GU-1, and GU-2 are the downgradient monitoring points. The Site Plan including the approved monitoring network is illustrated on Figure 1. The Water Table Contour Map is included as Figure 2.

Background water quality sampling was initiated in 2023 at MW-13, MW-18, MW-19, MW-20, and MW-21. The background water sampling in MW-18, MW-19, MW-20, and MW-21 consists of Appendix I metals and is collected in advance of required use of the data associated with a future expansion beyond Cell E1/E2.

GU-3 is connected to leachate collection system as documented in the Construction Certification Report dated November 13, 2015 (Doc# 84671).

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 water elevation data is included in Table 4. Historic water elevation data is included in Table 4A. A Water Table Contour Map (Figure 2) dated October 20, 2025 is included with this report and illustrates the water table surface and the effects of the topography. This map includes leachate piezometer levels from the unlined landfill area (to accommodate mounding) but excludes leachate piezometer levels from the lined landfill areas. Review of the map confirms control of the water table surface in the Original Landfill and in the RCRA compliant landfill Areas.

Review of the 2025 water elevation data does not indicate any remarkable water elevation conditions.

Well Depth & Sedimentation

The recorded sedimentation in each well was recorded to be 1.0 ft or less based on well depth measurements made October 20, 2025 (Table 4).

Well Recharge Rates & Chemistry

The most recent measured horizontal hydraulic conductivity testing results for each site monitoring well is included on Table 4. Horizontal hydraulic conductivities ranged between 10^{-3} cm/sec and 10^{-7} cm/sec.

Field recovery data recorded on April 4, 2024 (also on Table 4) indicates that the monitoring wells recover to at least 90% recovery within 4 hours after purging. The exceptions are MW-16 and MW-43, where 24 hours, or more, are required for the wells to recover. Well recovery information 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 surfaces across the site, it appears that the semi-annual water elevation data is sufficient to adequately monitor the hydrologic condition of the site. Further, the wells are interpreted to be appropriately located to detect any impact, should it occur.

Section 2.0 Reporting Period Monitoring Activities

A summary of the planned 2026 sample collection events at each well is included on Table 2. A comprehensive summary of all sampling episodes to date are included in the Table 2A.

Field sampling information for April 7, 2025 and October 20, 2025 sampling episodes is included on the field forms (IDNR Form 542-1322) in Appendix A.

A comprehensive summary of Analytical Data for the episodes between April, 2014 and October 20, 2025 is included on Table 9.

2.1 Current Detection Monitoring Activities

Background wells are MW-11, MW-12, MW-13, MW-18, MW-19, MW-20, and MW-21, located in the upland portion of the site, and MW-17 located in the lowland portion of the site.

Downgradient monitoring points are monitoring wells MW-3AR, MW-6B, MW-7A, MW-7B, MW-8, MW-9, MW-10, MW-14, MW-15, MW-16; and groundwater underdrains GU-1 and GU-2.

MW-9, GU-1 and GU-2 remain in detection monitoring.

2.2 Current Assessment Monitoring Activities

Monitoring points MW-3AR, MW-6B, MW-7A, MW-7B, MW-10, MW-15, and MW-16 are included in the assessment monitoring. The five (5) year sample for the full Appendix II sample parameter list was most recently completed April 7, 2025, at MW-6B, MW-7A, MW-7B, MW-8, MW-14, and MW-15. The five (5) year sample for the full Appendix II sample parameter list was most recently completed April 6, 2023 at MW-3AR. The full Appendix II sample collection event was most recently completed April 4, 2024 at MW-10.

2.3 Current Corrective Actions

Monitoring points MW-8 and MW-14 are included in the Corrective Action monitoring

Assessment of Corrective Measures (ACM) was submitted February 28, 2012 related to MW-7B. The historic vinyl chloride SSL at MW-7B (December, 2010) has not been reported since December, 2010. Both the 95% LCL and 95% UCL values were below the MCL of 2.0 ug/L. The delineation of the plume in the vicinity of MW-7B was approved as complete in the IDNR Letter dated November 4, 2014 (Doc # 81707).

A leachate collection toe drain was installed along the east side of the landfill waste boundary in October, 1999 immediately upgradient from MW-14. MW-14 is utilized as the Point of Compliance Corrective Action Monitoring Point. MW-14 is also positioned as a step-out well to the corrective action system.

The recommendation has been made to continue monitoring the confidence interval at MW-14 to verify water quality trends and the performance of the completed ACM near MW-14. This recommendation is still applicable based on the 2025 data presented herein.

A corrective action consisting of landfill vents in the south end of the Original Landfill, regrading along the south side of the Original Landfill, and monitored natural attenuation near MW-8 was completed in November, 2023.

The recommendation is made to continue monitoring of the confidence interval at MW-8 to verify water quality trends and the sufficient performance of the completed ACM near MW-8.

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 Northern Plains Regional Landfill, First Semi-Annual Monitoring Event in 2025, dated July, 2025 is included in Appendix B.1. The Groundwater Statistics Report for the Northern Plains Regional Landfill, Second Semi-Annual Monitoring Event in 2025, dated November, 2025 is included in Appendix B.2.

The Analytical Reports for the laboratory testing on samples collected April 7, 2025 and October 20, 2025 are included in Appendix C.

QUALITY ASSURANCE/QUALITY CONTROL

A blind duplicate sample was collected at MW-3AR during the April 7, 2025 sampling episode. A blind duplicate sample was collected at MW-20 during the October 20, 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) Both the original and 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 for April 7, 2025 were within the limits established, except for cadmium. The cadmium in MW-3AR (2.2 ug/L) and the cadmium in the field duplicate (5.6 ug/L) did not correlate, exceeding the 30% RDP. Microbac Laboratory was contacted to review the reported data. After reanalysis by the lab, the reported concentration did not change in MW-3AR and the duplicate.

Since both values exceed the prediction limit for cadmium (1.7 ug/L), the value of 2.2 ug/L was carried forward in the report and was utilized in the evaluation of the Spring data.

The results of the blind duplicate and the monitoring well results for October 20, 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 # 80750). A TSS and Field Turbidity Evaluation Report was prepared and submitted on March 6, 2015 (Doc# 82726), and was approved by IDNR on July 23, 2015 (Doc #83939). A summary table of field measured turbidity is included in Appendix D.

The background data utilized herein 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 associated with historic sample collection methods. No-purge sampling has been performed at the facility beginning with the April, 2014 sampling episode.

Upgradient Data, Table 1, Attachment B, to the November, 2025 Statistical Evaluation Report (Appendix B.2) includes a summary of the most current background data. Any water quality results tagged with an asterisk is a statistical outlier and is excluded from use in calculating the Prediction Limits. The calculated Prediction Limits are summarized on Table 5.

SITE SPECIFIC GWPS

Review of the information included on Table 5 indicates that the prediction limit for arsenic (49.3 ug/L) and cobalt (4.0 ug/L) calculated from the background data exceeds the published IAC 567, Chapter 137 Statewide Standard (10.0 ug/L and 2.1 ug/L, respectively). The Site-Specific GWPS should not be set lower than the Site Prediction Limit calculated from the site background data. For this report, the previously utilized values for Arsenic (53.7 ug/L) and Cobalt (4.0 ug/L) are utilized as the Site-Specific GWPS. For all other compounds the published IAC 567, Chapter 137 Statewide Standards are utilized as the GWPS.

STATISTICALLY SIGNIFICANT INCREASES (SSI)

The detected concentration of each compound is compared to the current site prediction limit for each respective compound calculated based on the background data set. A detected concentration for a compound that is in excess of the calculated site prediction limit is recorded as a Statistically Significant Increase (SSI) at detection monitoring wells. Exceedances of the Prediction Limit at a well that is in the Assessment Monitoring System is not an SSI, instead the exceedance is further evaluated by Confidence Interval Statistics.

Since the Prediction limit for VOC is set at the laboratory Reporting Level, any VOC detection is recorded as an SSI. Table 6 is a summary of all compounds at site monitoring wells that have exceeded a *current* prediction limit in 2025.

Prediction limit exceedances are again recorded at wells that are currently included in the assessment monitoring systems. Table 7 includes an on-going summary of compound detections that exceed the prediction limits (highlighted in light brown).

Exceedance of the Prediction Limits for the current year is summarized on Table 1 and 6. A running summary of recorded Prediction Limit exceedances by year is included in Appendix E.

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

ASSESSMENT MONITORING SUMMARY

A five (5) year frequency for full Appendix II sampling was approved in Special Provision X.4.e of the Permit dated December 3, 2025 (Doc #115111).

Assessment Monitoring has been completed at MW-7A (6 episodes), MW-7B (6 episodes), MW-8 (6 episodes), MW-14 (5 episodes), MW-15 (5 episodes), MW-3AR (4 episodes), MW-10 (3 episodes), MW-6B (3 episode), and at MW-16 (2 episodes) in accordance with IAC 567-113.10(6)a (Table 2).

Compounds detected to date beyond the Appendix I list are limited to bis(2-ethylhexyl) phthalate and sulfide.

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.

GU-3 was connected to the leachate collection system in lieu of Assessment Monitoring on September 15, 2015 in accordance with IAC 567, Chapter 113.10(2)a(3). A certification report was submitted November 13, 2015 (Doc# 84671).

STATISTICALLY SIGNIFICANT LEVELS (SSL)

The compounds with detections that exceed site prediction limits (see summary in Tables 1 & 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 recorded SSL required the plume of impact to be defined in the horizontal and vertical directions and required completion of an Assessment of Corrective Measures (ACM).

The SSL Evaluation is based on data collected since April, 2014. 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. Any SSL would be highlighted in yellow on Table 7.

All 95% LCL values for VOC compounds at assessment monitoring wells are below the Statewide Standards published in IAC 567, Chapter 137. No SSL for VOC are recorded at the HMSP wells.

The instances where the 95% LCL for inorganic compounds exceeds the applicable GWPS is limited to arsenic at MW-8 (2021) and cobalt at MW-14 in 2016 & 2017 (Table 7).

The remedy for arsenic at MW-8 was constructed in late 2023. Corrective Action Monitoring at MW-8 started in April, 2024.

MW-14 was placed in Corrective Action Monitoring System as a Point of Compliance Corrective Action Monitoring Well in 2016.

ASSESSMENT OF CORRECTIVE MEASURES (ACM)

MW-7B Corrective Action

This remedy is effective and complete. Assessment of Corrective Measures (ACM) was submitted February 28, 2012 related to MW-7B. A toe drain system was installed along the south and east sides of the original landfill in October, 1999 as the Corrective Action. An evaluation of the corrective action performance is included below.

MW-14 Corrective Action

This remedy is effective. A toe drain system was installed along the south and east sides of the original landfill in October, 1999 as the Corrective Action. An evaluation of the corrective action performance is included below.

MW-8 Corrective Action

This remedy is effective. Corrective measures consisting of landfill gas vents in the south side of the Original Landfill, re-grading of the site south of the Original Landfill, and monitored natural attenuation were completed in November 2023. An evaluation of the Corrective Measures is included below.

CORRECTIVE ACTION MONITORING & EVALUATIONS

East Side Closed Landfill

In October, 1999 a toe drain system was installed along the south and east sides of the original landfill as the Corrective Action. Record drawings for the system are on file with IDNR (Doc # 12969-12974). A map of the toe drain system is included in Appendix G.

MW-7B

VOC impacts beyond the leachate toe drain system were detected in MW-7B. Assessment of Corrective Measures (ACM) was submitted February 28, 2012 related to MW-7B. The historic vinyl chloride SSL at MW-7B (December, 2010) has not been reported since December, 2010.

Both the 95% LCL and 95% UCL values for vinyl chloride at MW-7B are below the MCL of 2.0 ug/L and have remained below since 2010. The delineation of the plume in the vicinity of MW-7B was approved as complete in the IDNR Letter dated November 4, 2014 (Doc # 81707).

MW-14

Impacts by elevated inorganic compounds (cobalt) beyond the leachate toe drain system are historically reported at MW-14. The 95% LCL for *cobalt* at MW-14 exceeded the site-specific GWPS (4.0 ug/L) in 2016 and 2017 and was recorded as an SSL.

The limit of the impact beyond MW-14 was previously determined. A Final Field Characterization/Delineation of Plume Report was submitted January 17, 2014 (Doc# 79350) and was approved November 4, 2014 (Doc# 81707). MW-14A was installed as a step-out well to define the limits of impact east of MW-14. The water testing at MW-14A on March 30, 2012 indicated that cobalt was undetected and reported as below the method detection limit of 4 ug/L. The current site-specific GWPS for cobalt is 4.0 ug/L. MW-14A was properly abandoned on August 9, 2013.

MW-14 is located immediately downgradient of the 1999 leachate toe drain and within 50 feet of the toe drain system. MW-14 is utilized as the Attenuation Zone Point of Compliance Corrective Action Monitoring Point.

The Confidence Interval of Corrective Action Monitoring Well MW-14 is utilized to determine the success of the toe drain system. The Corrective Action Monitoring Evaluation based on the 95% UCL Value for the most recent data is summarized in Table 8 and Table 10. The instances where the 95% UCL for cobalt exceeds the GWPS are highlighted in green. The 95% UCL decreased to a value below the GWPS during both sampling episodes in 2024 and 2025. For the remedy to be considered complete, the 95% UCL for cobalt must remain below the GWPS for three (3) consecutive years. MW-14 should remain in Corrective Action Monitoring. Based on the downward trend in the Confidence Interval (both 95% LCL and 95% UCL), it is recommended that the Confidence Interval evaluations continue at MW-14 through 2026 (which will be the 3-year mark for compliance).

South Side Closed Landfill

A corrective action consisting of source control (landfill gas vents and site grading) coupled with natural attenuation was completed on the south side of the Original Landfill in November, 2023. Record drawings for the system are on file with IDNR (Doc # 109748).

MW-8

The 95% LCL for arsenic at MW-8 exceeded the site-specific GWPS (53.7 ug/L) in 2021 and was recorded as an SSL.

The limit of the impact beyond MW-8 was previously determined. A Final Field Characterization/Delineation of Plume Report was submitted January 17, 2014 (Doc# 79350) and was approved November 4, 2014 (Doc# 81707). The ACM Report for MW-8 was submitted February 25, 2022 (Doc # 102431) and was approved by IDNR in the Revised Permit dated May 16, 2022 (Doc 103233). Selection of the Remedy was made in April, 2023 with notice filed with IDNR April 21, 2023 (Doc #106432). The corrective measures were completed in November, 2023 and consist of vents in the landfill cap and regrading of the site along the south side of the original landfill.

MW-8 is located immediately downgradient of the 2023 corrective measures. MW-8 is utilized as the Attenuation Zone Point of Compliance Corrective Action Monitoring Point.

The Confidence Interval of Corrective Action Monitoring Well MW-8 is utilized to determine the success of the 2023 corrective measures. The 95% LCL/95% UCL have decreased relative to 2023. Data collected at MW-8 in 2026 will need to be evaluated to determine if the downward trends persist. The Corrective Action Monitoring Evaluation based on the 95% UCL Value will again be included in the 2026 Annual Groundwater Quality Report (due January 2027) since the 95% UCL for arsenic remains above the GWPS.

Section 4.0 Leachate Collection System Performance Evaluation

Between January 1, 2025, and December 31, 2025, approximately 3,782,691 gallons of leachate were discharged to the Spencer POTW (Appendix H.1). This volume was weighed across the landfill scales prior to transport and is the official record. Chemical analysis of the waste stream

hauled to Spencer (Appendix H.2) was conducted in accordance with the pretreatment agreement between the City of Spencer and the Northern Plains Regional Landfill (Appendix H.3).

Leachate Recirculation

A Revised Leachate Recirculation Operation Plan was submitted to IDNR on April 15, 2015 (Doc #83103). The revised plan was approved in Permit Amendment #15 dated April 22, 2015. Approval is also contained in Special Provision X.5 of the SDP Permit dated November 4, 2015. The “Daily Leachate Recirculation Logs” from weeks when leachate was recirculated in 2025 are included in Appendix H.4.

Based on data contained on the “Daily Leachate Recirculation Logs” in Appendix H.4, 11,460 gallons of leachate were recirculated by spray application and no leachate was recirculated by pumping to a trench in 2025. Recirculation only occurred in Cell C, no recirculation occurred in Cells A or B in 2025. A summary of the recirculation dates and volumes is included in Appendix H.4. Daily leachate head measurements during recirculation from the piezometer in Cell C, as per the Leachate Recirculation Operation Plan, were not conducted during 2025.

Leachate Level & Thickness Data – Closed Areas

Closed Areas include both the Original fill areas along the east and Cell 5A through Cell 22A to the south. The leachate control system (LCS) in the original fill areas consists of a series of retrofitted gravity collection pipes. The leachate control system (LCS) in Cell 5A through Cell 22A consists of a series of gravity collection pipes that drain to a central conveyance pipe. All leachate collected is conveyed to a holding lagoon in the west-southwest portion of the site.

Original Fill Area - Leachate piezometers in the Original Fill Area include PZ-1 through PZ-12. PZ-5 was destroyed and removed. Monthly leachate head measurements are recorded from the leachate piezometers in the Original Fill Area and are included in Appendix H.5. Leachate thickness data is calculated from the monthly measurements and is included in the appendix. The thickness data presented is estimated based on actual field measurements of both depth of well and depth to leachate. Leachate thickness is relatively small in the unlined landfill areas. The interpretation is made that the LCS demonstrates effective control of leachate flow paths.

Cell 5A through Cell 22A – The leachate piezometer in the Cell 5A through Cell 22A fill areas is PZ-22 located at the lowest end of the liner and leachate collection piping network. Monthly leachate head measurements are recorded from PZ-22 and are included in Appendix H.5. Leachate thickness data is calculated from the monthly measurements and is included in the appendix. The thickness data presented is estimated based on actual field measurements of both depth of well and depth to leachate. Minimal change was noted throughout 2025 at PZ-22. The interpretation is made that the LCS demonstrates effective control of leachate flow paths.

Leachate Level & Thickness Data – Operating RCRA Landfill

The leachate control system that underlies the RCRA Subtitle D Expansion (Cell A, Cell B, Cell C, Cell D1, Cell D2) conforms to current rule. Leachate Piezometers PZ-23 (in leachate pipe 2025 AWQR

trench) and PZ-24 (on liner) exist in Cell A. PZ-25 (in leachate pipe trench) and PZ-26 (on liner) exist in Cell B. PZ-27 (in leachate pipe trench) and PZ-28 (on liner) exist in Cell C. PZ-29 (in leachate pipe trench) and PZ-30 (on liner) exist in Cell D1. PZ-31 (in leachate pipe trench) and PZ-32 (on liner) exist in Cell D2.

Piezometers do not exist in Area E.

The data in Appendix H.5 includes the measurement of both the depth to the liquid surface (in feet from the top of casing – Column F) and the piezometer depth (in feet from the top of casing – Column G). The difference represents the liquid standing in the piezometer pipe (Column H). In order to evaluate leachate head on the liner, a reference point set at the top of liner is necessary. In piezometers PZ-23, PZ-25, PZ-27, PZ-29, and PZ-31, the reference point is set 1.5 feet above the bottom of the piezometer. At piezometers PZ-24, PZ-26, PZ-28, PZ-30, and PZ-32, the reference point is set 0.083 feet (1-inch) below the bottom of piezometer. An adjustment column (Column I) is added to the Tables in Appendix H.5 in order to calculate the head (in feet) above liner (Column J) using the reference points. Leachate Piezometer Construction details illustrating the reference points related to leachate piezometer bottoms were provided in the 2014 AWQR (Doc# 82391).

Levels at seven (7) of the piezometers in the operating RCRA landfill exceeded 12” during 2025. Reviewing the data on the tables in Appendix H.5 inconsistencies are noted in the measured “Column F - Depth to Water from Top” in comparison to “Column G – Measured Depth of PZ from Top” and “Column J – Head Above Liner”. In order to determine the source of the inconsistencies, the top of LPZ-23 through LPZ-32 will be surveyed and the depth of each well measured in 2026. The data obtained by the measurements will be discussed in the 2026 AWQR.

It is recommended that the leachate surface and head data continue to be collected and reevaluated on an annual basis at each of the referenced leachate piezometers.

Leachate Line Cleaning

IAC 567-113.7(5)b(5) requires that the leachate system be cleaned every three (3) years. The leachate collection and conveyance lines throughout the site were cleaned during September, 2024. The next cleaning is tentatively scheduled for 2027.

Separation from Groundwater

A groundwater tile network (dewatering system) exists beneath the Cell A, Cell B, Cell C, Cell D, and Cell E expansion areas. As stated in the May 20, 2013 Cell C Expansion Project correspondence related to cut-off trench design (Doc #77051), the tile inverts are set 6 feet below the solid waste base.

On October 9, 2023 the dewatering system cleanout was found to have been removed as the dewatering system from Cell E1 was connected along the west side of Cell A.

Section 5.0 Gas Monitoring

Explosive gas monitoring per 113.9(2) are required to be performed quarterly. Monitoring episodes were performed according to the approved May 4, 2012 Gas Monitoring System Plan (GMSP).

Figure 1 illustrates the locations of the gas monitoring points.

Explosive gas concentrations are reported as percent lower explosive limit (% LEL) and were within regulatory limits during the monitoring episodes that were completed. A summary of gas monitoring is included in Table 12.

Section 6.0 Recommendations

It is recommended that the detection monitoring, assessment monitoring, and corrective action monitoring continue to be performed on a semi-annual basis at the monitoring points listed in Table 1 and Table 2.

It is recommended that the prediction limits for arsenic (53.7 ug/L) and for cobalt (4.0 ug/L) be utilized as the Site-Specific GWPS. For all other compounds, it is recommended that the published IAC 567, Chapter 137 Statewide Standard be utilized as the GWPS.

Continue the evaluation of Corrective Measures near MW-14 based on data collected in 2026.

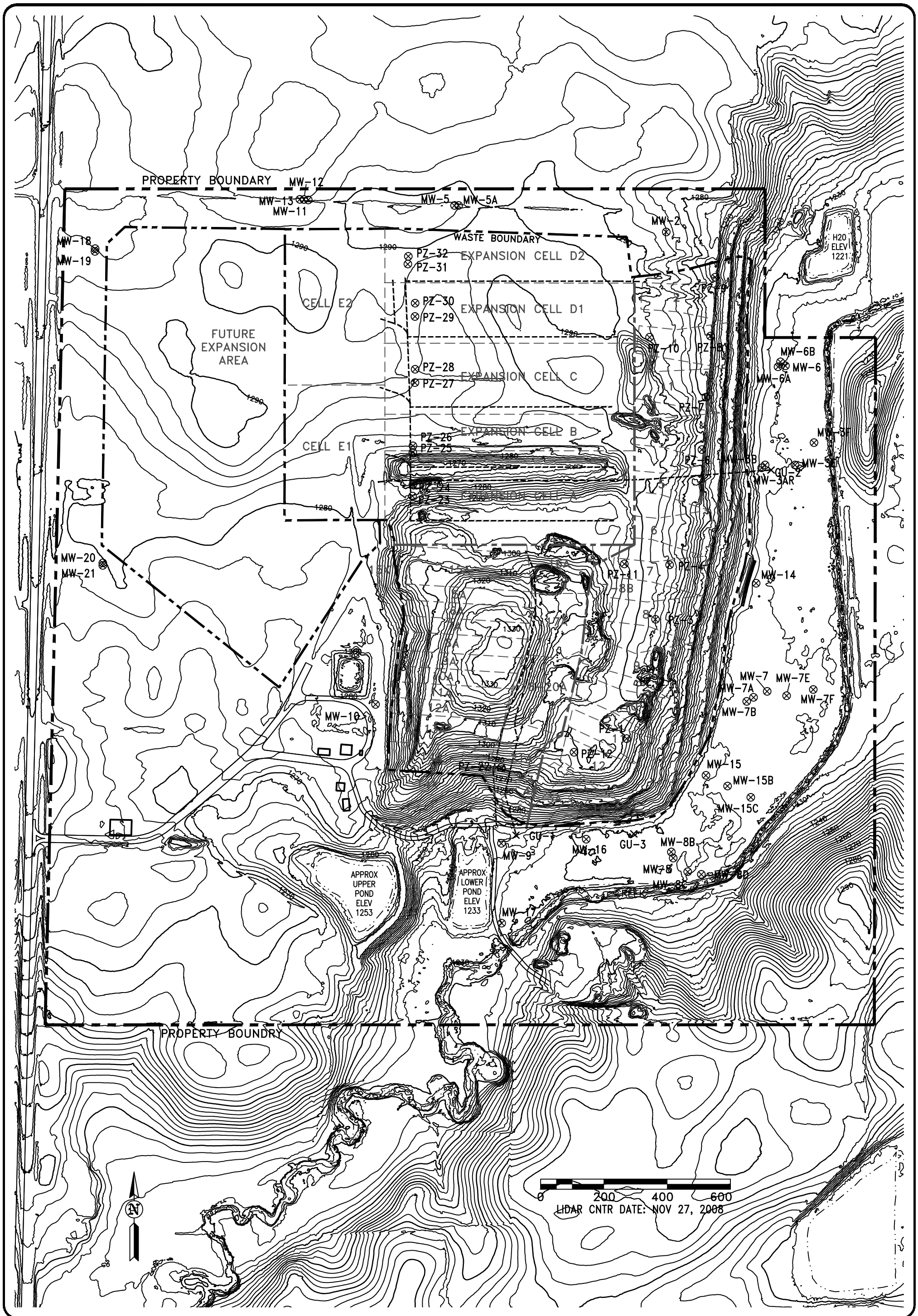
Continue the evaluation of Corrective Measures near MW-8 based on data collected in 2026.

Survey of the top of the casing at leachate PZ-23 through PZ-32 should be performed in 2026. Additionally, the current bottom depth will be measured at leachate PZ-23 through PZ-32 in 2026. We recommend that this information be used to evaluate the integrity of each leachate PZ.

Continue to operate the Leachate Collection, Recirculation, and Disposal Systems in accordance with the Permit in 2026.

Perform explosive gas monitoring on a quarterly frequency.

Figures



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SITE PLAN NORTHERN PLAINS REGIONAL SANITARY LANDFILL GRAETTINGER, IOWA

FIGURE:		1
REVISION	NO.	DATE
DRAWN DRA	PROJECT NO. 6021	DATE 1-9-26

Tables in IDNR Format

Table 1 – Monitoring Program Summary

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Table 1 – Monitoring Program Summary

Table 1
Monitoring Program Summary
Annual Water Quality Report
Northern Plains Regional Landfill
Permit No. 74-SDP-02-76P

Monitoring Well	Formation	Current Monitoring Program	Change for next sampling event	Constituents w/ SSI	Constituents w/ SSL	Total # of Samples in each monitoring program since April 7, 2014		
						Detection	Assessment	Corrective Action
MW-3AR	Glacial Till	Assessment	NC	cadmium	None	0	19	0
MW-6B	Glacial Till	Assessment	NC	None	None	0	21	0
MW-7A	Glacial Till	Assessment	NC	nickel	None	0	19	0
MW-7B	Glacial Till	Assessment	NC	barium	None	0	24	0
MW-8	Glacial Till	Corrective Action (POC)	NC	arsenic, barium, cadmium	arsenic	0	0	26
MW-9	Glacial Till	Detection	NC	None	None	25	0	0
MW-10	Glacial Till	Assessment	NC	copper	None	0	24	0
MW-11	Glacial Till	Background	NC	None	None	26	0	0
MW-12	Glacial Till	Background	NC	None	None	26	0	0
MW-13	Glacial Till	Background	NC	None	None	6	0	0
MW-14	Glacial Till	Corrective Action (POC)	NC	barium, cadmium, benzene	None	0	0	24
MW-15	Glacial Till	Assessment	NC	nickel	None	0	24	0
MW-16	Glacial Till	Assessment	NC	None	None	0	26	0
MW-17	Glacial Till	Background	NC	None	None	26	0	0
MW-18	Glacial Till	Background	NC	None	None	7	0	0
MW-19	Glacial Till	Background	NC	None	None	7	0	0
MW-20	Glacial Till	Background	NC	None	None	7	0	0
MW-21	Glacial Till	Background	NC	None	None	7	0	0
GU-1	Underdrain	Detection	NC	None	None	19	0	0
GU-2	Underdrain	Detection	NC	None	None	29	0	0

* = not verified - verification sample is required

Table 2 – Monitoring Program Implementation Schedule

Table 2
Monitoring Program Implementation Schedule
Annual Water Quality Report
Northern Plains Regional Landfill
Permit No. 74-SDP-02-76P

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-3AR		Appendix I	Appendix I	10/31/11, 4/25/12, 4/17/17, 4/6/23	April, 2028
MW-6B	see Table 2A	Appendix I	Appendix I	4/8/19, 4/27/20, 4/7/25	April, 2030
MW-7A		Appendix I	Appendix I	6/9/09, 10/29/09, 10/20/10, 4/2/15, 4/27/20, 4/7/25	April, 2030
MW-7B		Appendix I	Appendix I	6/9/09, 10/29/09, 10/20/10, 4/2/15, 4/27/20, 4/7/25	April, 2030
MW-8		Appendix I	Appendix I	6/9/09, 10/29/09, 10/20/10, 4/2/15, 4/27/20, 4/7/25	April, 2030
MW-9		Appendix I	Appendix I		N/A
MW-10		Appendix I	Appendix I	4/17/17, 6/1/18, 4/4/24	April, 2029
MW-11		Appendix I	Appendix I		N/A
MW-12		Appendix I	Appendix I		N/A
MW-13		Appendix I	Appendix I		N/A
MW-14		Appendix I	Appendix I	6/9/09, 4/19/10, 4/2/15, 4/27/20, 4/7/25	April, 2030
MW-15		Appendix I	Appendix I	6/9/09, 4/19/10, 4/2/15, 4/27/20, 4/7/25	April, 2030
MW-16		Appendix I	Appendix I	4/11/22, 4/6/23	April, 2028
MW-17		Appendix I	Appendix I		N/A
MW-18		Appendix I Metals	Appendix I Metals		N/A
MW-19		Appendix I Metals	Appendix I Metals		N/A
MW-20		Appendix I Metals	Appendix I Metals		N/A
MW-21		Appendix I Metals	Appendix I Metals		N/A
GU-1		Appendix I	Appendix I		N/A
GU-2		Appendix I	Appendix I		N/A
Field Duplicate		Appendix I	Appendix I		N/A

⁽¹⁾ add dichlorodifluoromethane

DNE = Does Not Exist

⁽²⁾ add bis(2-ethylhexyl)phthalate

⁽³⁾ add any detected App II compounds

Table 2A – Summary of Monitoring to Date

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

WELL	4/21/08	6/23/08	8/1/08	10/31/08	1/5/09	2/10/09
MW-3AR	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	
MW-6B	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	
MW-7A	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	
MW-7B	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	
MW-8	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	
MW-9	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	
MW-10	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	
MW-11	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	
MW-12	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	
MW-14				Appendix I	Appendix I	Appendix I
MW-15				Appendix I	Appendix I	Appendix I
MW-16				Appendix I		Appendix I
GU-1	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	
GU-2	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	
GU-3	submerged	submerged	submerged	Appendix I	submerged	submerged
Duplicate				At MW-15	At MW-9	At MW-16

WELL	4/14/09	6/9/09	10/29/09	4/19/10	10/20/10	4/20/11
MW-3AR	Appendix I		Appendix I	Appendix I	Appendix I	Appendix I++
MW-6B	Appendix I		Appendix I	Appendix I	Appendix I	Appendix I
MW-7A	Appendix I	Appendix II	Appendix II	Appendix I	Appendix II	Appendix I++
MW-7B	Appendix I	Appendix II	Appendix II	Appendix I	Appendix II	Appendix I
MW-8	Appendix I	Appendix II	Appendix II	Appendix I	Appendix II	Appendix I
MW-9	Appendix I		Appendix I	Appendix I	Appendix I	Appendix I
MW-10	Appendix I		Appendix I	Appendix I	Appendix I	Appendix I++
MW-11	Appendix I		Appendix I	Appendix I	Appendix I	Appendix I++
MW-12	Appendix I		Appendix I	Appendix I	Appendix I	Appendix I++
MW-14	Appendix I	Appendix II	Appendix I ^(1,3)	Appendix II	Appendix I	Appendix I++
MW-15	Appendix I	Appendix II	Appendix I ⁽¹⁾	Appendix II	Appendix I	Appendix I++
MW-16	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I++
GU-1	Appendix I	Appendix II	Appendix I ^(1,2)	Dry	Dry	Dry
GU-2	Appendix I		Appendix I	Appendix I	Appendix I	Appendix I
GU-3	submerged	submerged	submerged	Dry	submerged	Dry
Duplicate	At MW-10	At MW-16	At MW-15	At MW-15	At GU-2	At MW-15

WELL	10/13/11	3/30/12	4/25/12	10/22/12	4/15/13	8/9/13
MW-3AR	Appendix II		Appendix II	Appendix I*	Appendix I*	Appendix I*
MW-6B	Appendix I		Appendix I	Dry	Appendix I	Appendix I
MW-7A	Appendix I		Appendix I	Dry	Appendix I	Appendix I
MW-7B	Appendix I		Appendix I	Appendix I	Appendix I	Appendix I
MW-8	Appendix I		Appendix I	Appendix I	Appendix I	Appendix I
MW-9	Appendix I		Appendix I	Appendix I	Appendix I	Appendix I
MW-10	Appendix I		Appendix I	Dry	Appendix I	Appendix I
MW-11	Appendix I		Appendix I	Appendix I	Appendix I	Appendix I
MW-12	Appendix I		Appendix I	Appendix I	Appendix I	Appendix I
MW-14	Appendix I		Appendix I	Appendix I	Appendix I ^(1,3)	Appendix I ^(1,3)
MW-15	Appendix I		Appendix I	Appendix I	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾
MW-16	Appendix I		Appendix I	Appendix I	Appendix I	Appendix I
MW-17		Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
GU-1	Appendix I		Appendix II	Appendix I	Appendix I ^(1,2)	Appendix I ^(1,2)
GU-2	Appendix I		Appendix I	Appendix I	Appendix I	Appendix I
GU-3	submerged		submerged	submerged	submerged	submerged
Duplicate	At MW-14		At MW-17	At GU-2	At MW-12	At MW-8C

WELL	4/7/14	10/23/14	1/16/15	4/2/15	9/15/15	10/26/15
MW-3AR	App I ⁽⁴⁾	TSS+App I ⁽⁴⁾	---	App I	---	App I ⁽⁴⁾
MW-6B	App I	TSS+App I	---	App I	---	App I
MW-7A	App I*	TSS+App I*	---	App II	---	App I*
MW-7B	App I*	TSS+App I*	---	App II	---	App I*
MW-8	App I*	TSS+App I*	---	App II	---	App I ⁽¹⁾
MW-9	App I	TSS+App I	---	App I	---	App I
MW-10	App I	TSS+App I	---	App I	---	App I
MW-11	App I	TSS+App I	App I	App I	App I	App I
MW-12	App I	TSS+App I	App I	App I	App I	App I
MW-14	App I ^{(1),(2)}	TSS+App I ^{(1),(2)}	---	App II	---	App I ^{(1),(2)}
MW-15	App I ⁽¹⁾	TSS+App I ⁽¹⁾	---	App II	---	App I ⁽¹⁾
MW-16	App I	TSS+App I	---	App I	---	App I
MW-17	App I	TSS+App I	App I	App I	App I	App I
GU-1	Plugged	Plugged	Plugged	Plugged	Plugged	Plugged
GU-2	App I	TSS+App I	---	App I	---	App I
GU-3	No Sample	TSS+App I	---	App II	---	Connected to LCP
Duplicate	At MW-17	At MW-3F	---	At MW-6B	---	At MW-11

WELL	4/1/16	10/19/16	4/17/17	10/11/17
MW-3AR	App I ⁽⁴⁾	App I ⁽⁴⁾	App II	App I
MW-6B	App I	App I	App I	App I
MW-7A	App I*	App I*	App I*	App I*
MW-7B	App I*	App I*	App I*	App I*
MW-8	App I ⁽¹⁾	App I ⁽¹⁾	App I ⁽¹⁾	App I ⁽¹⁾
MW-9	App I	App I	App I	App I
MW-10	App I	App I	App II	App I
MW-11	App I	App I	App I	App I
MW-12	App I	App I	App I	App I
MW-14	App I ^{(1),(2)}	App I ^{(1),(2)}	App I ^{(1),(2)}	App I ⁽¹⁾
MW-15	App I ⁽¹⁾	App I ⁽¹⁾	App I ⁽¹⁾	App I ⁽¹⁾
MW-16	App I	App I	App I	App I
MW-17	App I	App I	App I	App I
GU-1	App I	App I	App I	Dry
GU-2	App I	App I	App I	App I
GU-3	Connected to LCP	Connected to LCP	Connected to LCP	Connected to LCP
Duplicate	At MW-8	At MW-17	At MW-3AR	At MW-3AR

WELL	6/1/18	10/3/18	1/3/19	Notes
MW-3AR	Appendix I	Appendix I	R- Cu	<i>Frozen 1/3/19</i>
MW-6B	Appendix I	Appendix I	R- Zn	
MW-7A	Appendix I	Appendix I		
MW-7B	Appendix I	Appendix I		
MW-8	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾	R-Cd, chloroethane	<i>Frozen 1/3/19</i>
MW-9	Appendix I	Appendix I		
MW-10	Appendix II	Appendix I		
MW-11	Appendix I	Appendix I		
MW-12	Appendix I	Appendix I		
MW-14	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾		
MW-15	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾		
MW-16	Appendix I	Appendix I		
MW-17	Appendix I	Appendix I		
GU-1	Appendix I	Appendix I		
GU-2	Appendix I	Appendix I	R- Cu, Zn	
GU-3	Connected to LCP	Connected to LCP		
Duplicate	At MW-14	At MW-14		

(b) background well. AppI = Appendix I App II = Appendix II TSS = Total Suspended Solids

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

(1) = detected Appendix II compound sulfide

(2) = detected Appendix II compound 0,0,0 triethyl phosphorothioate

(3) = detected Appendix II compound 4 nitroaniline

(4) = detected AppendixII compounds (bis(2ethylhexyl)phthalate: dimethoate: famphur)

++=dissolved metals

WELL	4/8/19	10/11/19	4/27/2020	10/9/2020	1/8/2021
MW-3AR	Appendix I	Appendix I	Appendix I	Appendix I	
MW-6B	Appendix II	Appendix I ⁽²⁾	Appendix II	Appendix I ⁽²⁾	
MW-7A	Appendix I	Appendix I	Appendix II	Appendix I	
MW-7B	Appendix I	Appendix I	Appendix II	Appendix I	
MW-8	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾	Appendix II	Appendix I ⁽¹⁾	
MW-9	Appendix I	Appendix I	Appendix I	Appendix I	(R) - Cu
MW-10	Appendix I ⁽²⁾	Appendix I ⁽²⁾	Appendix I ⁽²⁾	Appendix I ⁽²⁾	
MW-11	Appendix I	Appendix I	Appendix I	Appendix I	
MW-12	Appendix I	Appendix I	Appendix I	Appendix I	
MW-14	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾	Appendix II	Appendix I ⁽³⁾	
MW-15	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾	Appendix II	Appendix I ⁽²⁾	
MW-16	Appendix I	Appendix I	Appendix I	Appendix I	
MW-17	Appendix I	Appendix I	Appendix I	Appendix I	
GU-1	Appendix I	Appendix I	Appendix I	Appendix I	
GU-2	Appendix I	Appendix I	Appendix I	Appendix I	
GU-3	Connected to LCP	Connected to LCP	Connected to LCP	Connected to LCP	
Duplicate	At MW-6B	At MW-9	At MW-14	At MW-17	

WELL	4/9/2021	6/23/2021	10/25/2021	1/13/2022	
MW-3AR	Appendix I		Appendix I		
MW-6B	Appendix I ⁽²⁾		Appendix I ⁽²⁾		
MW-7A	Appendix I		Appendix I		
MW-7B	Appendix I		Appendix I		
MW-8	Appendix I ⁽¹⁾	App.I VOC + As	Appendix I ⁽¹⁾		
MW-9	Appendix I		Appendix I		
MW-10	Appendix I		Appendix I		
MW-11	Appendix I		Appendix I		
MW-12	Appendix I		Appendix I		
MW-14	Appendix I		Appendix I		
MW-15	Appendix I ⁽²⁾		Appendix I ⁽²⁾		
MW-16	Appendix I	(R) - Ni	Appendix I	(R) - Ni	
MW-17	Appendix I		Appendix I		
GU-1	Appendix I		Appendix I		
GU-2	Appendix I		Appendix I	(R) - Se	
GU-3	Connected to LCP		Connected to LCP		
Duplicate	At MW-16		At MW-17		

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

(1) = detected Appendix II compound sulfide

(2) = detected Appendix II compound bis(2ethylhexyl)phthalate

(3) = detected Appendix II compound methylacrylonitrile

(R) = verification resample - compound

WELL	4/11/2022	7/6/2022	10/12/2022	1/6/2023	
MW-3AR	Frozen		Dry		
MW-6B	Appendix I ⁽¹⁾		Dry		
MW-7A	Appendix I		Dry		
MW-7B	Appendix I		Appendix I		
MW-8	Appendix I	(R) – Co, Cr, Cu, Ni, Se, V	Appendix I		
MW-9	Appendix I		Appendix I		
MW-10	Appendix I		Appendix I		
MW-11	Appendix I		Appendix I		
MW-12	Appendix I		Appendix I		
MW-14	Appendix I		Appendix I		
MW-15	Appendix I		Appendix I		
MW-16	Appendix II		Appendix I ⁽¹⁾		
MW-17	Appendix I		Appendix I		
GU-1	Appendix I	(R) – Ba, Ni	Appendix I		
GU-2	Appendix I		Appendix I	(R) – Cu, Pb, Zn	
GU-3	Connected to LCP		Connected to LCP		
Duplicate	At MW-9		At MW-16		

(1) = detected Appendix II compound bis(2ethylhexyl)phthalate

(R) = verification resample - compound

WELL	4/6/2023	6/27/2023	10/9/2023	4/4/2024	10/16/2024
MW-3AR	Appendix II		Dry	Appendix I	Appendix I
MW-6B	Appendix I ⁽¹⁾		Dry	Appendix I ⁽¹⁾	Dry
MW-7A	Appendix I		Dry	Appendix I	Dry
MW-7B	Appendix I		Appendix I	Appendix I	Appendix I
MW-8	Appendix I		Appendix I	Appendix I	Appendix I
MW-9	Appendix I		Appendix I	Appendix I	Appendix I
MW-10	Appendix I		Appendix I	Appendix II	Appendix I
MW-11	Appendix I		Appendix I	Appendix I	Appendix I
MW-12	Appendix I		Appendix I	Appendix I	Appendix I
MW-13	---	Appendix I Metals	Appendix I Metals	Appendix I Metals	Appendix I Metals
MW-14	Appendix I		Appendix I	Appendix I	Appendix I
MW-15	Appendix I		Appendix I	Appendix I	Appendix I
MW-16	Appendix II		Appendix I	Appendix I	Appendix I
MW-17	Appendix I		Appendix I	Appendix I	Appendix I
MW-18	Appendix I Metals		Appendix I Metals	Appendix I Metals	Appendix I Metals
MW-19	Appendix I Metals		Appendix I Metals	Appendix I Metals	Appendix I Metals
MW-20	Appendix I Metals		Appendix I Metals	Appendix I Metals	Appendix I Metals
MW-21	Appendix I Metals		Appendix I Metals	Appendix I Metals	Appendix I Metals
GU-1	Appendix I		Appendix I	Appendix I	Appendix I
GU-2	Appendix II	R ⁽¹⁾	Appendix I ⁽¹⁾	Appendix I	Appendix I
GU-3	Connected to LCP		Connected to LCP	Connected to LCP	Connected to LCP
Duplicate	At MW-20		At MW-21	At MW-20	At MW-13

(1) = detected Appendix II compound bis(2ethylhexyl)phthalate

(R) = verification resample - compound

WELL	4/7/2025	10/20/2025			
MW-3AR	Appendix I	Dry			
MW-6B	Appendix II	Dry			
MW-7A	Appendix II	Dry			
MW-7B	Appendix II	Appendix I			
MW-8	Appendix II	Appendix I			
MW-9	Appendix I	Appendix I			
MW-10	Appendix I	Appendix I			
MW-11	Appendix I	Appendix I			
MW-12	Appendix I	Appendix I			
MW-13	Appendix I	---			
MW-14	Appendix II	Appendix I			
MW-15	Appendix II	Appendix I			
MW-16	Appendix I	Appendix I			
MW-17	Appendix I	Appendix I			
MW-18	Appendix I Metals	Appendix I Metals			
MW-19	Appendix I Metals	Appendix I Metals			
MW-20	Appendix I Metals	Appendix I Metals			
MW-21	Appendix I Metals	Appendix I Metals			
GU-1	Appendix I	Appendix I			
GU-2	Appendix I	Appendix I			
GU-3	Connected to LCP	Connected to LCP			
Duplicate	At MW-3AR	At MW-20			

(1) = detected Appendix II compound bis(2ethylhexyl)phthalate

(R) = verification resample - compound

Table 3 – Monitoring Well Maintenance Performance Reevaluation Schedule

Table 3
Monitoring Well Maintenance and Performance Revaluation Schedule
Annual Water Quality Report
Northern Plains Regional Landfill
Permit No. 74-SDP-02-76P

Compliance with:	Monitoring Calendar Years									
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
567 IAC 113.10(2)"f"(1) high and low water levels (biennial)	X	X	X	X	X	X	X	P	P	P
567 IAC 113.10(2)"f"(2) changes in the hydrologic setting and flow paths (biennial)		X		X		X		P		P
567 IAC 113.10(2)"f"(3) well depths (annual)	X	X	X	X	X	X	X	P	P	P
567 IAC 113.10(2)"f"(4) well recharge rates and chemistry (biennial)		X		X		X		P		P
Waste separation from ground water 113.6(2)"l"	2X	2X	2X	2X	2X	2X	NLP	NLP	NLP	NLP

X = completed

P = Planned

NLP = No Longer Possible

Table 4 – Monitoring Well Maintenance Performance Reevaluation Summary

Table 4 Monitoring Well Maintenance and Performance Summary Annual Water Quality Report Northern Plains Regional Landfill Permit No. 74-SDP-02-76P											
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		
					4/7/2025	10/20/2025			4/4/2024	Change	
MW-3AR	1229.52	1224.47	10.05	Groundwater Level (ft)	3.05	8.36	0	3.48E-04 2020	Full recovery in 1 hour	None percieved	
				Groundwater Elevation (Ft MSL)	1226.47	1221.16					
				Measured Well Depth (ft)	10.05	10.05					
				Submerged (+) or Exposed screen (-)	2	-3.31					
MW-6B	1229.02	1221.52	10.5	Groundwater Level (ft)	6.2	10	0	1.00E-04 2020	Full recovery in 10 minutes	None percieved	
				Groundwater Elevation (Ft MSL)	1222.82	1219.02					
				Measured Well Depth (ft)	10.5	10.5					
				Submerged (+) or Exposed screen (-)	1.3	-2.5					
MW-7A	1232	1223.8	11.2	Groundwater Level (ft)	6.39	10.75	0	7.65E-04 2020	Full recovery in 2 hour	None percieved	
				Groundwater Elevation (Ft MSL)	1225.61	1221.25					
				Measured Well Depth (ft)	11.2	11.2					
				Submerged (+) or Exposed screen (-)	1.81	-2.55					
MW-7B	1231.00	1201	35	Groundwater Level (ft)	4.54	9.7	0	1.15E-04 2020	Full recovery in 2 hour	None percieved	
				Groundwater Elevation (Ft MSL)	1226.46	1221.3					
				Measured Well Depth (ft)	35	35					
				Submerged (+) or Exposed screen (-)	25.46	20.3					
MW-8	1229.7	1222.45	10.25	Groundwater Level (ft)	4.85	6.23	0	1.43E-03 2020	Full recovery in 3 hour	None percieved	
				Groundwater Elevation (Ft MSL)	1224.85	1223.47					
				Measured Well Depth (ft)	10.25	10.25					
				Submerged (+) or Exposed screen (-)	2.4	1.02					
MW-9	1238.5	1226.9	14.6	Groundwater Level (ft)	3.28	4.91	0	1.49E-03 2020	Full recovery in 4 hour	None percieved	
				Groundwater Elevation (Ft MSL)	1235.22	1233.59					
				Measured Well Depth (ft)	14.6	14.6					
				Submerged (+) or Exposed screen (-)	8.32	6.69					
MW-10	1280	1259.88	25.12	Groundwater Level (ft)	5.45	14.57	0.02	8.00E-05 2020	Full recovery in 7 hour	None percieved	
				Groundwater Elevation (Ft MSL)	1274.55	1265.43					
				Measured Well Depth (ft)	25.1	25.1					
				Submerged (+) or Exposed screen (-)	14.67	5.55					
MW-11	1289.8	1279.25	20.55	Groundwater Level (ft)	7.22	9.87	0	5.00E-03 2004	No Drawdown	None percieved	
				Groundwater Elevation (Ft MSL)	1282.58	1279.93					
				Measured Well Depth (ft)	20.55	20.55					
				Submerged (+) or Exposed screen (-)	3.33	0.68					
MW-12	1289.1	1251.9	57.2	Groundwater Level (ft)	30.9	29.02	0.5	2.50E-04 2004	No Drawdown	None percieved	
				Groundwater Elevation (Ft MSL)	1258.2	1260.08					
				Measured Well Depth (ft)	56.7	56.7					
				Submerged (+) or Exposed screen (-)	6.3	8.18					
MW-13	1288.6	1223.5	75.1	Groundwater Level (ft)	34.5	34.23	0	4.40E-04 2004	No Drawdown	None percieved	
				Groundwater Elevation (Ft MSL)	1254.1	1254.37					
				Measured Well Depth (ft)	75.1	75.1					
				Submerged (+) or Exposed screen (-)	30.6	30.87					
MW-14	1229.76	1222.26	12.5	Groundwater Level (ft)	4.09	8.77	0.2	1.45E-03 2008	Full recovery in 1 hour	None percieved	
				Groundwater Elevation (Ft MSL)	1225.67	1220.99					
				Measured Well Depth (ft)	12.3	12.3					
				Submerged (+) or Exposed screen (-)	3.41	-1.27					
MW-15	1231.22	1223.72	12.5	Groundwater Level (ft)	3.51	7.75	0	2.80E-03 2008	Full recovery in 3 hour	None percieved	
				Groundwater Elevation (Ft MSL)	1227.71	1223.47					
				Measured Well Depth (ft)	12.5	12.5					
				Submerged (+) or Exposed screen (-)	3.99	-0.25					
MW-16	1232.43	1224.93	12.5	Groundwater Level (ft)	5.18	6.88	0.2	2.81E-03 2008	No Drawdown	None percieved	
				Groundwater Elevation (Ft MSL)	1227.25	1225.55					
				Measured Well Depth (ft)	12.3	12.3					
				Submerged (+) or Exposed screen (-)	2.32	0.62					
MW-17	1234.33	1223.78	20.55	Groundwater Level (ft)	7.41	8.67	0	1.00E-04 2020	No Drawdown	None percieved	
				Groundwater Elevation (Ft MSL)	1226.92	1225.66					
				Measured Well Depth (ft)	20.55	20.55					
				Submerged (+) or Exposed screen (-)	3.14	1.88					
MW-18	1289.3	1222.7	76.6	Groundwater Level (ft)	34.75	34.56	0	1.41E-04 2019	Full recovery in 6 hour	None percieved	
				Groundwater Elevation (Ft MSL)	1254.55	1254.74					
				Measured Well Depth (ft)	76.6	76.6					
				Submerged (+) or Exposed screen (-)	31.85	32.04					
MW-19	1289.61	1271.81	27.8	Groundwater Level (ft)	6.81	9.89	0	2.50E-07 2019	Full recovery in 24 hour	None percieved	
				Groundwater Elevation (Ft MSL)	1282.8	1279.72					
				Measured Well Depth (ft)	27.8	27.8					
				Submerged (+) or Exposed screen (-)	10.99	7.91					
MW-20	1282.77	1226.22	66.55	Groundwater Level (ft)	28.75	28.84	0	3.21E-04 2019	Full recovery in 6 hour	None percieved	
				Groundwater Elevation (Ft MSL)	1254.02	1253.93					
				Measured Well Depth (ft)	66.55	66.55					
				Submerged (+) or Exposed screen (-)	27.8	27.71					
MW-21	1282.69	1264.89	27.8	Groundwater Level (ft)	6.74	11.75	0	3.99E-04 2019	Full recovery in 6 hour	None percieved	
				Groundwater Elevation (Ft MSL)	1275.95	1270.94					
				Measured Well Depth (ft)	27.8	27.8					
				Submerged (+) or Exposed screen (-)	11.06	6.05					

Table 4A – Water Elevations Over Time

Table 4A
Water Elevation Data - Historic
Annual Water Quality Report
Northern Plains Regional Landfill
Permit No. 74-SDP-02-76P

Monit. Well No.	Date Installed	Meets Current Design Standards	Up or Down Gradient Well	Water Strata Monitored	Elevation at Grade	Elevation of Well Head	Elevation at Bottom of Well	Initial Depth of Well from Head	Measured Depth of Well from Head (ft)	Measured Depth of Well from Head (ft)	4/7/2025		10/20/2025	
											Depth to Water from Head (ft)	Elevation Water MSL (ft)	Depth to Water from Head (ft)	Elevation Water MSL (ft)
2	09/11/79	Yes	Up	Aquifer	1287.4	1291.00	1240.50	50.5'	(Oct. 2005) 47.20	(Oct. 2025) buried	buried	buried	buried	buried
3AR	11/25/96	Yes	Down	Groundwater	1231.3	1229.52	1221.30	13.0'	10.05*	10.05	3.05	1226.47	8.36	1221.2
3B	10/24/94	Yes	Down	Aquifer	1227.4	1231.00	1207.45	23.55'	28.45	NR	6.12	1224.9	11.15	1219.9
MW-5 E	4/25/1984	Yes	Up	Aquifer	1293.4	1293.70	1251.07	45.93'	45.93'	NR	22.58	1271.1	22.59	1271.1
MW-5 (W)	03/21/95	Yes	Up	Groundwater	1295.9	1297.40	1272.73	24.27'	24.73	NR	22.86	1274.5	22.15	1275.3
6A	10/25/94	Yes	Down	Aquifer	1227.0	1231.00	1207.10	23.9'	24.73	NR	7.33	1223.7	11.91	1219.1
6B	10/25/94	Yes	Down	Groundwater	1227.0	1229.02	1218.80	12.20'	10.5*	10.50	6.2	1222.8	10	1219.0
7	9/28/1988	Yes	Down	Aquifer	1228.8	1230.00	1210.00	22	22.00	22.00	3.74	1226.3	8.62	1221.4
7A	10/26/94	Yes	Down	Groundwater	1227.4	1232.00	1221.70	10.80'	11.20	10.75	6.39	1225.6	10.75	1221.3
7B	10/26/94	Yes	Down	Aquifer	1227.5	1231.00	1197.10	33.90'	34.00	35.00	4.54	1226.5	9.7	1221.3
8	05/22/92	Yes	Down	Groundwater	1229.5	1229.70	1220.30	11.70'	10.0*	10.25*	4.85	1224.9	6.23	1223.5
8B	11/25/96	Yes	Down	Aquifer	1229.5	1232.50	1199.50	33.0'	16.35	NR	6.55	1226.0	7.8	1224.7
9	05/22/92	Yes	Down	Aquifer	1235.5	1238.50	1225.60	12.90'	12.96	14.60	3.28	1235.2	4.91	1233.6
10	11/25/96	Yes	Up	Groundwater	1277.0	1280.00	1253.00	27.0'	25.12	25.10	5.45	1274.6	14.57	1265.4
11	10/05/04	Yes	Up	Groundwater	1287.5	1289.80	1269.80	20	20.00	20.55	7.22	1282.6	9.87	1279.9
12	10/05/04	Yes	Up	Groundwater	1287.5	1289.10	1232.10	57	57.20	56.70	30.9	1258.2	29.02	1260.1
13	10/05/04	Yes	Up	Groundwater	1287.5	1288.60	1213.60	75	74.8	75.1	34.5	1254.1	34.23	1254.4
14	10/30/08	Yes	Down	Groundwater	1227.3	1229.76	1217.26	12.5	12.5	12.3	4.09	1225.7	8.77	1221.0
15	10/30/08	Yes	Down	Groundwater	1228.8	1231.22	1218.72	12.5	12.5	12.5	3.51	1227.7	7.75	1223.5
16	10/30/08	Yes	Down	Groundwater	1230.1	1232.43	1219.93	12.5	12.5	12.3	5.18	1227.3	6.88	1225.6
17	04/01/12	Yes	Up	Groundwater	1230.1	1234.33	1214.13	20.2	20.2	20.55	7.41	1226.9	8.67	1225.7
18	06/06/19	Yes	Up	Groundwater	1230.1	1289.30	1212.70	76.6		76.6	34.75	1254.6	34.56	1254.7
19	06/06/19	Yes	Up	Groundwater	1230.1	1289.61	1261.81	27.8		27.8	6.81	1282.8	9.89	1279.7
20	06/06/19	Yes	Up	Groundwater	1230.1	1282.77	1216.22	66.55		66.55	28.75	1254.0	28.84	1253.9
21	06/06/19	Yes	Up	Groundwater	1230.1	1282.69	1254.89	27.8		27.8	6.74	1276.0	11.75	1270.9

* casing cut-off .

Northern Plains Regional Sanitary Landfill						
4/6/2023	4/7/2025			10/20/2025		
	PVC Elevation	Depth Water	Water Elevation	PVC Elevation	Depth Water	Water Elevation
MW-13	1288.6	34.5	1254.1	1288.6	34.23	1254.37
MW-6		4.38			8.62	
MW-3E	1227.86	2.7	1225.16	1227.86	6.55	1221.31
MW-3F	1227.72	3.33	1224.39	1227.72	7.49	1220.23
MW-7E	1228.89	2.41	1226.48	1228.89	6.7	1222.19
MW-7F	1228.38	2.19	1226.19	1228.38	3.23	1225.15
MW-15B	1230.19	2.81	1227.38	1230.19	6.52	1223.67
MW-15C	1229.44	4.2	1225.24	1229.44	6.46	1222.98
MW-8C	1230.17	3.38	1226.79	1230.17	4.65	1225.52
MW-8D	1231.24	4.42	1226.82	1231.24	5.1	1226.14

= sampled wells

Northern Plains Regional Sanitary Landfill

Monit. Well No.	Date Installed	Meets Current Design Standards	Up or Down Gradient Well	Water Strata Monitored	Elevation at Grade	Elevation of Well Head	Elevation at Bottom of Well	Initial Depth of Well from Head	Measured Depth of Well from Head (ft)	Measured Depth of Well from Head (ft)	4/4/2024		10/16/2024	
									(Oct. 2005)	(Oct. 2024)	Depth to Water from Head (ft)	Elevation Water MSL (ft)	Depth to Water from Head (ft)	Elevation Water MSL (ft)
2	09/11/79	Yes	Up	Aquifer	1287.4	1291.00	1240.50	50.5'	47.20	buried	buried	buried	buried	buried
3AR	11/25/96	Yes	Down	Groundwater	1231.3	1229.52	1221.30	13.0'	10.05*	10.05	2.81	1226.71	8.12	1221.4
3B	10/24/94	Yes	Down	Aquifer	1227.4	1231.00	1207.45	23.55'	28.45	NR	6.7	1224.3	10.8	1220.2
MW-5 E	4/25/1984	Yes	Up	Aquifer	1293.4	1293.70	1251.07	45.93'	45.93'	NR	22.21	1271.5	22.79	1270.9
MW-5 (W)	03/21/95	Yes	Up	Groundwater	1295.9	1297.40	1272.73	24.27'	24.73	NR	22.38	1275.0	22.46	1274.9
6A	10/25/94	Yes	Down	Aquifer	1227.0	1231.00	1207.10	23.9'	24.73	NR	7.94	1223.1	11.99	1219.0
6B	10/25/94	Yes	Down	Groundwater	1227.0	1229.02	1218.80	12.20'	10.5*	10.50	6.77	1222.3	9.95	1219.1
7	9/28/1988	Yes	Down	Aquifer	1228.8	1230.00	1210.00	22	22.00	22.00	3.69	1226.3	8.55	1221.5
7A	10/26/94	Yes	Down	Groundwater	1227.4	1232.00	1221.70	10.80'	11.20	10.75	6.37	1225.6	10.72	1221.3
7B	10/26/94	Yes	Down	Aquifer	1227.5	1231.00	1197.10	33.90'	34.00	35.00	4.79	1226.2	9.64	1221.4
8	05/22/92	Yes	Down	Groundwater	1229.5	1229.70	1220.30	11.70'	10.0*	10.25*	5.25	1224.5	5.75	1224.0
8B	11/25/96	Yes	Down	Aquifer	1229.5	1232.50	1199.50	33.0'	16.35	NR	6.75	1225.8	7.03	1225.5
9	05/22/92	Yes	Down	Aquifer	1235.5	1238.50	1225.60	12.90'	12.96	14.60	3.83	1234.7	5.05	1233.5
10	11/25/96	Yes	Up	Groundwater	1277.0	1280.00	1253.00	27.0'	25.12	25.10	4.93	1275.1	14.21	1265.8
11	10/05/04	Yes	Up	Groundwater	1287.5	1289.80	1269.80	20	20.00	20.55	7.66	1282.1	10.06	1279.7
12	10/05/04	Yes	Up	Groundwater	1287.5	1289.10	1232.10	57	57.20	56.70	30.1	1259.0	29.06	1260.0
13	10/05/04	Yes	Up	Groundwater	1287.5	1288.60	1213.60	75	74.8	75.1	34.22	1254.4	34.04	1254.6
14	10/30/08	Yes	Down	Groundwater	1227.3	1229.76	1217.26	12.5	12.5	12.3	4.26	1225.5	8.88	1220.9
15	10/30/08	Yes	Down	Groundwater	1228.8	1231.22	1218.72	12.5	12.5	12.5	4.07	1227.2	7.33	1223.9
16	10/30/08	Yes	Down	Groundwater	1230.1	1232.43	1219.93	12.5	12.5	12.3	5.21	1227.2	6.21	1226.2
17	04/01/12	Yes	Up	Groundwater	1230.1	1234.33	1214.13	20.2	20.2	20.55	7.42	1226.9	8.3	1226.0
18	06/06/19	Yes	Up	Groundwater	1230.1	1289.30	1212.70	76.6		76.6	34.5	1254.8	34.45	1254.9
19	06/06/19	Yes	Up	Groundwater	1230.1	1289.61	1261.81	27.8		27.8	7.75	1281.9	10.58	1279.0
20	06/06/19	Yes	Up	Groundwater	1230.1	1282.77	1216.22	66.55		66.55	28.51	1254.3	28.9	1253.9
21	06/06/19	Yes	Up	Groundwater	1230.1	1282.69	1254.89	27.8		27.8	6.91	1275.8	13.29	1269.4

* casing cut-off .

Northern Plains Regional Sanitary Landfill

4/6/2023	4/4/2024			10/16/2024		
	PVC Elevation	Depth Water	Water Elevation	PVC Elevation	Depth Water	Water Elevation
MW-13	1288.6	34.22	1254.38	1288.6	34.04	1254.56
MW-6		4.82			9	
MW-3E	1227.86	2.84	1225.02	1227.86	6.3	1221.56
MW-3F	1227.72	3.41	1224.31	1227.72	7.12	1220.6
MW-7E	1228.89	2.5	1226.39	1228.89	6.55	1222.34
MW-7F	1228.38	2.92	1225.46	1228.38	2.68	1225.7
MW-15B	1230.19	3.3	1226.89	1230.19	6.12	1224.07
MW-15C	1229.44	4.3	1225.14	1229.44	8.55	1220.89
MW-8C	1230.17	3.75	1226.42	1230.17	4.02	1226.15

Northern Plains Regional Sanitary Landfill

Monit. Well No.	Date Installed	Meets Current Design Standards	Up or Down Gradient Well	Water Strata Monitored	Elevation at Grade	Elevation of Well Head	Elevation at Bottom of Well	Initial Depth of Well from Head	Measured Depth of Well from Head (ft)	Measured Depth of Well from Head (ft)	4/6/2023		10/9/2023	
											Depth to Water from Head (ft)	Elevation Water MSL (ft)	Depth to Water from Head (ft)	Elevation Water MSL (ft)
2	09/11/79	Yes	Up	Aquifer	1287.4	1291.00	1240.50	50.5'	(Oct. 2005) 47.20	(Oct. 2023) buried	buried	buried	buried	buried
3AR	11/25/96	Yes	Down	Groundwater	1231.3	1229.52	1221.30	13.0'	10.05*	10.05	1.95	1227.57	8.74	1220.8
3B	10/24/94	Yes	Down	Aquifer	1227.4	1231.00	1207.45	23.55'	28.45	NR	6.21	1224.8	11.45	1219.6
MW-5 E	4/25/1984	Yes	Up	Aquifer	1293.4	1293.70	1251.07	45.93'	45.93'	NR	22.91	1270.8	22.98	1270.7
MW-5 (W)	03/21/95	Yes	Up	Groundwater	1295.9	1297.40	1272.73	24.27'	24.73	NR	23.34	1274.1	23.33	1274.1
6A	10/25/94	Yes	Down	Aquifer	1227.0	1231.00	1207.10	23.9'	24.73	NR	7.9	1223.1	12.8	1218.2
6B	10/25/94	Yes	Down	Groundwater	1227.0	1229.02	1218.80	12.20'	10.5*	10.50	6.79	1222.2	10.05	1219.0
7	9/28/1988	Yes	Down	Aquifer	1228.8	1230.00	1210.00	22	22.00	22.00	3.65	1226.4	8.95	1221.1
7A	10/26/94	Yes	Down	Groundwater	1227.4	1232.00	1221.70	10.80'	11.20	10.75	6.4	1225.6	9.75	1222.3
7B	10/26/94	Yes	Down	Aquifer	1227.5	1231.00	1197.10	33.90'	34.00	35.00	4.68	1226.3	10.47	1220.5
8	05/22/92	Yes	Down	Groundwater	1229.5	1229.70	1220.30	11.70'	10.0*	10.25*	4.81	1224.9	7.1	1222.6
8B	11/25/96	Yes	Down	Aquifer	1229.5	1232.50	1199.50	33.0'	16.35	NR	6.68	1225.8	8.65	1223.9
9	05/22/92	Yes	Down	Aquifer	1235.5	1238.50	1225.60	12.90'	12.96	14.60	3.86	1234.6	5.41	1233.1
10	11/25/96	Yes	Up	Groundwater	1277.0	1280.00	1253.00	27.0'	25.12	25.10	6.64	1273.4	15.93	1264.1
11	10/05/04	Yes	Up	Groundwater	1287.5	1289.80	1269.80	20	20.00	20.55	7.6	1282.2	10.79	1279.0
12	10/05/04	Yes	Up	Groundwater	1287.5	1289.10	1232.10	57	57.20	56.70	31.52	1257.6	30.66	1258.4
13	10/05/04	Yes	Up	Groundwater	1287.5	1288.60	1213.60	75	74.8	75.1	34.93	1253.7	35.21	1253.4
14	10/30/08	Yes	Down	Groundwater	1227.3	1229.76	1217.26	12.5	12.5	12.3	4.1	1225.7	9.16	1220.6
15	10/30/08	Yes	Down	Groundwater	1228.8	1231.22	1218.72	12.5	12.5	12.5	3.99	1227.2	8.92	1222.3
16	10/30/08	Yes	Down	Groundwater	1230.1	1232.43	1219.93	12.5	12.5	12.3	4.38	1228.1	6.38	1226.1
17	04/01/12	Yes	Up	Groundwater	1230.1	1234.33	1214.13	20.2	20.2	20.55	7.37	1227.0	8.7	1225.6
18	06/06/19	Yes	Up	Groundwater	1230.1	1289.30	1212.70	76.6	76.6	76.6	35.21	1254.1	35.55	1253.8
19	06/06/19	Yes	Up	Groundwater	1230.1	1289.61	1261.81	27.8		27.8	7.75	1281.9	11.29	1278.3
20	06/06/19	Yes	Up	Groundwater	1230.1	1282.77	1216.22	66.55		66.55	29.15	1253.6	29.71	1253.1
21	06/06/19	Yes	Up	Groundwater	1230.1	1282.69	1254.89	27.8		27.8	7.7	1275.0	13.47	1269.2

** casing cut-off .

Northern Plains Regional Sanitary Landfill

4/6/2023	4/6/2023			10/9/2023		
	PVC Elevation	Depth Water	Water Elevation	PVC Elevation	Depth Water	Water Elevation
MW-13	1288.6	34.93	1253.67	1288.6	35.21	1253.39
MW-6		4.88			9.32	
MW-3E	1227.86	2.74	1225.12	1227.86	6.85	1221.01
MW-3F	1227.72	3.3	1224.42	1227.72	7.73	1219.99
MW-7E	1228.89	2.47	1226.42	1228.89	7.1	1221.79
MW-7F	1228.38	2.68	1225.7	1228.38	4.11	1224.27
MW-15B	1230.19	3.24	1226.95	1230.19	7.67	1222.52
MW-15C	1229.44	4.03	1225.41	1229.44	7	1222.44
MW-8C	1230.17	3.5	1226.67	1230.17	5.38	1224.79

Northern Plains Regional Sanitary Landfill

Monit. Well No.	Date Installed	Meets Current Design Standards	Up or Down Gradient Well	Water Strata Monitored	Elevation at Grade	Elevation of Well Head	Elevation at Bottom of Well	Initial Depth of Well from Head	Measured Depth of Well from Head (ft)	Measured Depth of Well from Head (ft)	4/11/2022 Depth to Water from Head (ft)	Elevation Water MSL (ft)	10/12/2022 Depth to Water from Head (ft)	Elevation Water MSL (ft)
2	09/11/79	Yes	Up	Aquifer	1287.4	1291.00	1240.50	50.5'	(Oct. 2005) 47.20	(Oct. 2021) buried	buried	buried	buried	buried
3AR	11/25/96	Yes	Down	Groundwater	1231.3	1229.52	1221.30	13.0'	10.05*	10.05	frozen]	frozen	8.81	1220.7
3B	10/24/94	Yes	Down	Aquifer	1227.4	1231.00	1207.45	23.55'	28.45	NR	6.73	1224.3	11.35	1219.7
MW-5 E	4/25/1984	Yes	Up	Aquifer	1293.4	1293.70	1251.07	45.93'	45.93'	NR	23.08	1270.6	23.19	1270.5
MW-5 (W)	03/21/95	Yes	Up	Groundwater	1295.9	1297.40	1272.73	24.27'	24.73	NR	22.18	1275.2	23.22	1274.2
6A	10/25/94	Yes	Down	Aquifer	1227.0	1231.00	1207.10	23.9'	24.73	NR	9.65	1221.4	12.94	1218.1
6B	10/25/94	Yes	Down	Groundwater	1227.0	1229.02	1218.80	12.20'	10.5*	10.50	7.43	1221.6	dry	dry
7	9/28/1988	Yes	Down	Aquifer	1228.8	1230.00	1210.00	22	22.00	22.00	4.41	1225.6	8.92	1221.1
7A	10/26/94	Yes	Down	Groundwater	1227.4	1232.00	1221.70	10.80'	11.20	10.75	7.2	1224.8	dry	dry
7B	10/26/94	Yes	Down	Aquifer	1227.5	1231.00	1197.10	33.90'	34.00	34.50	5.6	1225.4	10.44	1220.6
8	05/22/92	Yes	Down	Groundwater	1229.5	1229.70	1220.30	11.70'	10.0*	10.00	4.85	1224.9	7.33	1222.4
8B	11/25/96	Yes	Down	Aquifer	1229.5	1232.50	1199.50	33.0'	16.35	NR	6.73	1225.8	8.8	1223.7
9	05/22/92	Yes	Down	Aquifer	1235.5	1238.50	1225.60	12.90'	12.96	14.40	3.95	1234.6	5.32	1233.2
10	11/25/96	Yes	Up	Groundwater	1277.0	1280.00	1253.00	27.0'	25.12	24.80	13.45	1266.6	16.48	1263.5
11	10/05/04	Yes	Up	Groundwater	1287.5	1289.80	1269.80	20	20.00	20.10	9.22	1280.6	9.99	1279.8
12	10/05/04	Yes	Up	Groundwater	1287.5	1289.10	1232.10	57	57.20	56.20	30.98	1258.1	30.53	1258.6
13	10/05/04	Yes	Up	Groundwater	1287.5	1288.60	1213.60	75	74.8	NR	35.03	1253.6	35.23	1253.4
14	10/30/08	Yes	Down	Groundwater	1227.3	1229.76	1217.26	12.5	12.5	12.25	4.33	1225.4	9.06	1220.7
15	10/30/08	Yes	Down	Groundwater	1228.8	1231.22	1218.72	12.5	12.5	12.2	4.79	1226.4	8.8	1222.4
16	10/30/08	Yes	Down	Groundwater	1230.1	1232.43	1219.93	12.5	12.5	11.9	4.8	1227.6	6.25	1226.2
17	04/01/12	Yes	Up	Groundwater	1230.1	1234.33	1214.13	20.2	20.2	20.1	7.7	1226.6	8.62	1225.7
18	06/06/19	Yes	Up	Groundwater	1230.1	1289.30	1212.70	76.6	76.6	76.6	35.35	1254.0	35.57	1253.7
19	06/06/19	Yes	Up	Groundwater	1230.1	1289.61	1261.81	27.8	27.8	27.8	10.45	1279.2	11.41	1278.2
20	06/06/19	Yes	Up	Groundwater	1230.1	1282.77	1216.22	66.55	66.55	66.55	29.43	1253.3	29.74	1253.0
21	06/06/19	Yes	Up	Groundwater	1230.1	1282.69	1254.89	27.8	27.8	27.8	10.15	1272.5	14.28	1268.4

** casing cut-off .

Northern Plains Regional Sanitary Landfill

10/12/2022

	PVC Elevation	Depth Water	Water Elevation
MW-13	1288.6	35.23	1253.37
MW-6			
MW-3E	1227.86	6.75	1221.11
MW-3F	1227.72	7.62	1220.1
MW-7E	1228.89	7.07	1221.82
MW-7F	1228.38	4.05	1224.33
MW-15B	1230.19	7.55	1222.64
MW-15C	1229.44	6.93	1222.51
MW-8C	1230.17	5.38	1224.79

Northern Plains Regional Sanitary Landfill

Monit. Well No.	Date Installed	Meets Current Design Standards	Up or Down Gradient Well	Water Strata Monitored	Elevation at Grade	Elevation of Well Head	Elevation at Bottom of Well	Initial Depth of Well from Head	Measured Depth of Well from Head (ft)	Measured Depth of Well from Head (ft)	4/9/2021		10/25/2021	
											Depth to Water from Head (ft)	Elevation Water MSL (ft)	Depth to Water from Head (ft)	Elevation Water MSL (ft)
2	09/11/79	Yes	Up	Aquifer	1287.4	1291.00	1240.50	50.5'	(Oct. 2005) 47.20	(Oct. 2021) buried	buried	buried	buried	buried
3AR	11/25/96	Yes	Down	Groundwater	1231.3	1229.52	1221.30	13.0'	10.05*	10.05	2.52	1227.0	4.18	1225.3
3B	10/24/94	Yes	Down	Aquifer	1227.4	1231.00	1207.45	23.55'	28.45	NR	6.58	1224.4	7.83	1223.2
MW-5 E	4/25/1984	Yes	Up	Aquifer	1293.4	1293.70	1251.07	45.93'	45.93'	NR	22.8	1270.9	22.43	1271.3
MW-5 (W)	03/21/95	Yes	Up	Groundwater	1295.9	1297.40	1272.73	24.27'	24.73	NR	23.59	1273.8	24.05	1273.4
6A	10/25/94	Yes	Down	Aquifer	1227.0	1231.00	1207.10	23.9'	24.73	NR	8.58	1222.4	9.36	1221.6
6B	10/25/94	Yes	Down	Groundwater	1227.0	1229.02	1218.80	12.20'	10.5*	10.50	7.47	1221.6	8.23	1220.8
7	9/28/1988	Yes	Down	Aquifer	1228.8	1230.00	1210.00	22	22.00	22.00	3.49	1226.5	4.22	1225.8
7A	10/26/94	Yes	Down	Groundwater	1227.4	1232.00	1221.70	10.80'	11.20	10.75	6.41	1225.6	7.5	1224.5
7B	10/26/94	Yes	Down	Aquifer	1227.5	1231.00	1197.10	33.90'	34.00	34.50	5.22	1225.8	6.28	1224.7
8	05/22/92	Yes	Down	Groundwater	1229.5	1229.70	1220.30	11.70'	10.0*	10.00	4.74	1225.0	5.37	1224.3
8B	11/25/96	Yes	Down	Aquifer	1229.5	1232.50	1199.50	33.0'	16.35	NR	6.57	1225.9	7.34	1225.2
9	05/22/92	Yes	Down	Aquifer	1235.5	1238.50	1225.60	12.90'	12.96	14.40	3.46	1235.0	4.44	1234.1
10	11/25/96	Yes	Up	Groundwater	1277.0	1280.00	1253.00	27.0'	25.12	24.80	7.43	1272.6	12.77	1267.2
11	10/05/04	Yes	Up	Groundwater	1287.5	1289.80	1269.80	20	20.00	20.10	10.69	1279.1	8.96	1280.8
12	10/05/04	Yes	Up	Groundwater	1287.5	1289.10	1232.10	57	57.20	56.20	31.61	1257.5	32.04	1257.1
13	10/05/04	Yes	Up	Groundwater	1287.5	1288.60	1213.60	75	74.8	NR	35.59	1253.0	35.63	1253.0
14	10/30/08	Yes	Down	Groundwater	1227.3	1229.76	1217.26	12.5	12.5	12.25	4.28	1225.5	4.57	1225.2
15	10/30/08	Yes	Down	Groundwater	1228.8	1231.22	1218.72	12.5	12.5	12.2	4.44	1226.8	5.59	1225.6
16	10/30/08	Yes	Down	Groundwater	1230.1	1232.43	1219.93	12.5	12.5	11.9	4.71	1227.7	4.83	1227.6
17	04/01/12	Yes	Up	Groundwater	1230.1	1234.33	1214.13	20.2	20.2	20.1	7.92	1226.4	7.85	1226.5
18	06/06/19	Yes	Up	Groundwater	1230.1	1289.30	1212.70	76.6	76.6	76.6	35.9	1253.4	35.92	1253.4
19	06/06/19	Yes	Up	Groundwater	1230.1	1289.61	1261.81	27.8	27.8	27.8	11.51	1278.1	8.75	1280.9
20	06/06/19	Yes	Up	Groundwater	1230.1	1282.77	1216.22	66.55	66.55	66.55	29.99	1252.8	29.89	1252.9
21	06/06/19	Yes	Up	Groundwater	1230.1	1282.69	1254.89	27.8	27.8	27.8	15.75	1266.9	8.76	1273.9

** casing cut-off .

Northern Plains Regional Sanitary Landfill

10/25/2021

	PVC Elevation	Depth Water	Water Elevation
MW-13	1288.6	35.63	1252.97
MW-6		6.4	-6.4
MW-3E	1227.86	3.33	1224.53
MW-3F	1227.72	3.68	1224.04
MW-7E	1228.89	3.22	1225.67
MW-7F	1228.38	2.64	1225.74
MW-15B	1230.19	4.45	1225.74
MW-15C	1229.44	4.56	1224.88
MW-8C	1230.17	3.8	1226.37

Northern Plains Regional Sanitary Landfill

Monit. Well No.	Date Installed	Meets Current Design Standards	Up or Down Gradient Well	Water Strata Monitored	Elevation at Grade	Elevation of Well Head	Elevation at Bottom of Well	Initial Depth of Well from Head	Measured Depth of Well from Head (ft)	Measured Depth of Well from Head (ft)	4/27/2020		10/9/2020	
											Depth to Water from Head (ft)	Elevation Water MSL (ft)	Depth to Water from Head (ft)	Elevation Water MSL (ft)
2	09/11/79	Yes	Up	Aquifer	1287.4	1291.00	1240.50	50.5'	(Oct. 2005) 47.20	(Oct. 2020) buried	buried	buried	buried	buried
3AR	11/25/96	Yes	Down	Groundwater	1231.3	1229.52	1221.30	13.0'	10.05*	10.05	7.85	1221.7	8.19	1221.3
3B	10/24/94	Yes	Down	Aquifer	1227.4	1231.00	1207.45	23.55'	28.45	NR	6.55	1224.5	10.94	1220.1
5	4/25/1984	Yes	Up	Aquifer	1293.4	1293.70	1251.07	45.93'	45.93'	NR	18.8	1274.9	20.21	1273.5
5A	03/21/95	Yes	Up	Groundwater	1295.9	1297.40	1272.73	24.27'	24.73	NR	20.33	1277.1	23.12	1274.3
6A	10/25/94	Yes	Down	Aquifer	1227.0	1231.00	1207.10	23.9'	24.73	NR	7.55	1223.5	12.23	1218.8
6B	10/25/94	Yes	Down	Groundwater	1227.0	1229.02	1218.80	12.20'	10.5*	10.50	8.36	1220.7	9	1220.0
7	9/28/1988	Yes	Down	Aquifer	1228.8	1230.00	1210.00	22	22.00	22.00	4.1	1225.9	8.8	1221.2
7A	10/26/94	Yes	Down	Groundwater	1227.4	1232.00	1221.70	10.80'	11.20	10.75	6.73	1225.3	10.75	1221.3
7B	10/26/94	Yes	Down	Aquifer	1227.5	1231.00	1197.10	33.90'	34.00	34.50	5.02	1226.0	10.05	1221.0
8	05/22/92	Yes	Down	Groundwater	1229.5	1229.70	1220.30	11.70'	10.0*	10.00	5.15	1224.6	6.19	1223.5
8B	11/25/96	Yes	Down	Aquifer	1229.5	1232.50	1199.50	33.0'	16.35	NR	6.42	1226.1		
9	05/22/92	Yes	Down	Aquifer	1235.5	1238.50	1225.60	12.90'	12.96	14.40	3.73	1234.8	4.84	1233.7
10	11/25/96	Yes	Up	Groundwater	1277.0	1280.00	1253.00	27.0'	25.12	24.80	9.31	1270.7	14.63	1265.4
11	10/05/04	Yes	Up	Groundwater	1287.5	1289.80	1269.80	20	20.00	20.10	7.7	1282.1	10.43	1279.4
12	10/05/04	Yes	Up	Groundwater	1287.5	1289.10	1232.10	57	57.20	56.20	27.09	1262.0	28.87	1260.2
13	10/05/04	Yes	Up	Groundwater	1287.5	1288.60	1213.60	75	74.8	NR	32.09	1256.5	34.33	1254.3
14	10/30/08	Yes	Down	Groundwater	1227.3	1229.76	1217.26	12.5	12.5	12.25	4.31	1225.5	8.95	1220.8
15	10/30/08	Yes	Down	Groundwater	1228.8	1231.22	1218.72	12.5	12.5	12.2	3.9	1227.3	7.9	1223.3
16	10/30/08	Yes	Down	Groundwater	1230.1	1232.43	1219.93	12.5	12.5	11.9	4.79	1227.6	5.26	1227.2
17	04/01/12	Yes	Up	Groundwater	1230.1	1234.33	1214.13	20.2	20.2	20.1	7.47	1226.9	8.56	1225.8
18	06/06/19	Yes	Up	Groundwater	1230.1	1289.30	1212.70	76.6	76.6	76.6	33.05	1256.3	34.71	1254.6
19	06/06/19	Yes	Up	Groundwater	1230.1	1289.61	1261.81	27.8		27.8	8.85	1280.8	11.06	1278.6
20	06/06/19	Yes	Up	Groundwater	1230.1	1282.77	1216.22	66.55		66.55	27.45	1255.3	29.18	1253.6
21	06/06/19	Yes	Up	Groundwater	1230.1	1282.69	1254.89	27.8		27.8	6.97	1275.7	14.65	1268.0

** casing cut-off .

Northern Plains Regional Sanitary Landfill

Monit. Well No.	Date Installed	Meets Current Design Standards	Up or Down Gradient Well	Water Strata Monitored	Elevation at Grade	Elevation of Well Head	Elevation at Bottom of Well	Initial Depth of Well from Head	Measured Depth of Well from Head (ft)	Measured Depth of Well from Head (ft)	4/2/2015	4/2/2015	10/26/2015	10/26/2015
											Depth to Water from Head (ft)	Elevation Water MSL (ft)	Depth to Water from Head (ft)	Elevation Water MSL (ft)
2	09/11/79	Yes	Up	Aquifer	1287.4	1291.00	1240.50	50.5'	(Oct. 2005) 47.20	(Oct. 2015) buried	buried	buried	buried	buried
3AR	11/25/96	Yes	Down	Groundwater	1231.3	1234.30	1221.30	13.0'	14.83	14.40	6.11	1228.2	6.9	1227.4
3B	10/24/94	Yes	Down	Aquifer	1227.4	1231.00	1207.45	23.55'	28.45	NR	5.75	1225.3	6.45	1224.6
5	4/25/1984	Yes	Up	Aquifer	1293.4	1293.70	1251.07	45.93'	45.93'	NR	11	1282.7	12.15	1281.6
5A	03/21/95	Yes	Up	Groundwater	1295.9	1297.40	1272.73	24.27'	24.73	NR	15.3	1282.1	15.2	1282.2
6A	10/25/94	Yes	Down	Aquifer	1227.0	1231.00	1207.10	23.9'	24.73	NR	8.13	1222.9	8.75	1222.3
6B	10/25/94	Yes	Down	Groundwater	1227.0	1231.00	1218.80	12.20'	12.48	12.30	8.72	1222.3	9.32	1221.7
7	9/28/1988	Yes	Down	Aquifer	1228.8	1230.00	1210.00	22	22.00	22.00	5.15	1224.9	7	1223.0
7A	10/26/94	Yes	Down	Groundwater	1227.4	1232.00	1221.70	10.80'	11.20	10.90	7.35	1224.7	9.65	1222.4
7B	10/26/94	Yes	Down	Aquifer	1227.5	1231.00	1197.10	33.90'	34.00	34.15	6.3	1224.7	8.13	1222.9
8	05/22/92	Yes	Down	Groundwater	1229.5	1232.00	1220.30	11.70'	12.49	9.95*	6.93	1225.1	5.85	1226.2
8B	11/25/96	Yes	Down	Aquifer	1229.5	1232.50	1199.50	33.0'	16.35	NR	6.09	1226.4	7.27	1225.2
9	05/22/92	Yes	Down	Aquifer	1235.5	1238.50	1225.60	12.90'	12.96	13.90	3.58	1234.9	4.2	1234.3
10	11/25/96	Yes	Up	Groundwater	1277.0	1280.00	1253.00	27.0'	25.12	24.80	16.35	1263.7	15.75	1264.3
11	10/05/04	Yes	Up	Groundwater	1287.5	1289.80	1269.80	20	20.00	20.10	8.46	1281.3	8.1	1281.7
12	10/05/04	Yes	Up	Groundwater	1287.5	1289.10	1232.10	57	57.20	56.20	31.27	1257.8	29.3	1259.8
13	10/05/04	Yes	Up	Groundwater	1287.5	1288.60	1213.60	75	74.8	NR	35.15	1253.5	34.2	1254.4
14	10/30/08	Yes	Down	Groundwater	1227.3	1229.76	1217.26	12.5	12.5	12.25	3.85	1225.9	6.4	1223.4
15	10/30/08	Yes	Down	Groundwater	1228.8	1231.22	1218.72	12.5	12.5	12.2	5.2	1226.0	6.6	1224.6
16	10/30/08	Yes	Down	Groundwater	1230.1	1232.43	1219.93	12.5	12.5	11.7	3.76	1228.7	5.05	1227.4
17	04/01/12	Yes	Up	Groundwater	1230.1	1234.33	12414.13	20.2	20.2	20.1	7.75	1226.6	7.75	1226.6

** 2.3 ft of casing cut-off April 2, 2015.

Northern Plains Regional Sanitary Landfill

Monit. Well No.	Date Installed	Meets Current Design Standards	Up or Down Gradient Well	Water Strata Monitored	Elevation at Grade	Elevation of Well Head	Elevation at Bottom of Well	Initial Depth of Well from Head	Measured Depth of Well from Head (ft)	4/19/2010 Depth to Water from Head (ft)	4/19/2010 Elevation Water MSL (ft)	10/20/2010 Depth to Water from Head (ft)	10/20/2010 Elevation Water MSL (ft)
2	09/11/79	Yes	Up	Aquifer	1287.4	1291.00	1240.50	50.5'	(Oct. 2005) 47.20	37.4	1253.6	37.6	1253.4
3AR	11/25/96	Yes	Down	Groundwater	1231.3	1234.30	1221.30	13.0'	14.83	6.2	1228.1	8.45	1225.9
3B	10/24/94	Yes	Down	Aquifer	1227.4	1231.00	1207.45	23.55'	28.45	5.5	1225.5	7.3	1223.7
5	4/25/1984	Yes	Up	Aquifer	1293.4	1293.70	1251.07	45.93'	45.93'	10.4	1283.3	12.5	1281.2
5A	03/21/95	Yes	Up	Groundwater	1295.9	1297.40	1272.73	24.27'	24.73	Removed	Removed	Removed	Removed
6A	10/25/94	Yes	Down	Aquifer	1227.0	1231.00	1207.10	23.9'	24.73	6.45	1224.6	8.35	1222.7
6B	10/25/94	Yes	Down	Groundwater	1227.0	1231.00	1218.80	12.20'	12.48	6.75	1224.3	8.75	1222.3
7	9/28/1988	Yes	Down	Aquifer	1228.8	1230.00	1210.00	22	22.00	NT	NT	6.2	1223.8
7A	10/26/94	Yes	Down	Groundwater	1227.4	1232.00	1221.70	10.80'	11.20	6.3	1225.7	8.4	1223.6
7B	10/26/94	Yes	Down	Aquifer	1227.5	1231.00	1197.10	33.90'	34.00	4.8	1226.2	7	1224.0
8	05/22/92	Yes	Down	Groundwater	1229.5	1232.00	1220.30	11.70'	12.49	6.1	1225.9	6.2	1225.8
8B	11/25/96	Yes	Down	Aquifer	1229.5	1232.50	1199.50	33.0'	16.35	5.1	1227.4	5.3	1227.2
9	05/22/92	Yes	Down	Aquifer	1235.5	1238.50	1225.60	12.90'	12.96	3.5	1235.0	5.3	1233.2
10	11/25/96	Yes	Up	Groundwater	1277.0	1280.00	1253.00	27.0'	25.12	9.9	1270.1	13.8	1266.2
11	10/05/04	Yes	Up	Groundwater	1287.5	1289.80	1269.80	20	20.00	4.6	1285.2	6.4	1283.4
12	10/05/04	Yes	Up	Groundwater	1287.5	1289.10	1232.10	57	57.20	26.4	1262.7	26.6	1262.5
13	10/05/04	Yes	Up	Groundwater	1287.5	1288.60	1213.60	75	74.8	32.2	1256.4	32.35	1256.3
14	10/30/08	Yes	Down	Groundwater	1227.3	1229.76	1217.26	12.5	12.5	3.7	1226.1	5.5	1224.3
15	10/30/08	Yes	Down	Groundwater	1228.8	1231.22	1218.72	12.5	12.5	3.5	1227.7	5.3	1225.9
16	10/30/08	Yes	Down	Groundwater	1230.1	1232.43	1219.93	12.5	12.5	2.85	1229.6	3.25	1229.2

Table 5 – Background and GWPS Summary

Table 5
Background and GWPS Summary
Annual Water Quality Report
Northern Plains Regional Landfill
Permit No. 74-SDP-02-76P

Interwell Background/(MW-11, MW-12, MW-13, MW-17, MW-18, MW-19, MW-20, and MW-21)

Inorganics - Appendix I										
Constituent	Units	Model Type	Samples - N	Detections	Mean	SD	Prediction Limit	Confidence	GWPS	Source
Antimony (Sb)	µg/l	nonparametric	111	2			3.4000	0.99	6	SS
Arsenic (As)	µg/l	lognormal	105	54	0.9953	1.0775	34.9278		53.7000	Site
Barium (Ba)	µg/l	lognormal	107	107	4.8451	0.686	647.4900		2000	SS
Beryllium (Be)	µg/l	nonparametric	96	0			4.0000	0.99	4	SS
Cadmium (Cd)	µg/l	nonparametric	99	11			1.7000	0.99	5	SS
Chromium (Cr)	µg/l	nonparametric	96	0			8.0000	0.99	100	SS
Cobalt (Co)	µg/l	nonparametric	106	19			4.0000	0.99	4.0000	Site
Copper (Cu)	µg/l	nonparametric	109	6			8.4000	0.99	1300	SS
Lead (Pb)	µg/l	nonparametric	96	0			4.0000	0.99	15	SS
Nickel (Ni)	µg/l	nonparametric	108	31			17.1000	0.99	100	SS
Selenium (Se)	µg/l	nonparametric	111	2			4.0000	0.99	50	SS
Silver (Ag)	µg/l	nonparametric	111	0			4.0000	0.99	100	SS
Thallium (Tl)	µg/l	nonparametric	96	0			2.0000	0.99	2	SS
Vanadium (V)	µg/l	nonparametric	96	0			20.0000	0.99	35	SS
Zinc (Zn)	µg/l	nonparametric	102	18			45.3000	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	111	0	<1	<1	<1	<1	various	SS

= Prediction limit exceeds the GWPS. A Site-Specific GWPS is warranted

Table 6 – Summary of Detections

Table 6
Summary of Well/Detected Constituent Pairs that Exceed the Prediction Limit
Annual Water Quality Report
Northern Plains Regional Landfill
Permit No. 74-SDP-02-76P

Well	Constituent	Date	Most recent result (ug/L)	Background Standard (ug/L)	GWPS (ug/L)	Monitoring Program
MW-3AR	cadmium	4/7/2025	2.2	1.7	5.0	Assessment Monitoring Well
MW-7A	nickel	4/7/2025	26.5	17.1	100	Assessment Monitoring Well
MW-7B	barium	4/7/2025	749	664.9	2000	Assessment Monitoring Well
MW-7B	barium	10/20/2025	821	647.5	2000	Assessment Monitoring Well
MW-8	arsenic	4/7/2025	106	36.5	53.7	Corrctive Action Well
MW-8	arsenic	10/20/2025	122	34.9	53.7	Corrctive Action Well
MW-8	barium	4/7/2025	1360	664.9	2000.0	Corrctive Action Well
MW-8	barium	10/20/2025	1590	647.5	2000.0	Corrctive Action Well
MW-8	cadmium	4/7/2025	2.6	1.7	5.0	Corrctive Action Well
MW-10	copper	4/7/2025	13.2	8.4	1300	Assessment Monitoring Well
MW-14	barium	10/20/2025	1630	647.5	2000	Corrctive Action Well
MW-14	cadmium	10/20/2025	3.2	1.7	5.0	Corrctive Action Well
MW-14	benzene	10/20/2025	1.3	1.0	5.0	Corrctive Action Well
MW-15	nickel	10/20/2025	20.20	17.1	100	Assessment Monitoring Well

Table 7 – Summary of Ongoing and Newly Identified SSI

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
GU-2	zinc	4/7/2014	39.9	45.3	---	2,000	N/A	N/A	4/1/2016
GU-2	zinc	10/23/2014	24.6	45.3	---	2,000	N/A	N/A	4/1/2016
GU-2	zinc	4/2/2015	<8.0	45.3	---	2,000	N/A	N/A	4/1/2016
GU-2	zinc	10/26/2015	24.5	45.3	10.491	2,000	N/A	N/A	4/1/2016
GU-2	zinc	4/1/2016	<8.0	45.3	4	2,000	N/A	N/A	4/1/2016
GU-2	zinc	10/19/2016	12.9	45.3	2.933	2,000	N/A	N/A	4/1/2016
GU-2	zinc	4/17/2017	10.9	45.3	5.699	2,000	N/A	N/A	4/1/2016
GU-2	zinc	10/11/2017	<8.0	45.3	3.937	2,000	N/A	N/A	4/1/2016
GU-2	zinc	6/1/2018	13.5	45.3	6.549	2,000	N/A	N/A	4/1/2016
GU-2	zinc	10/3/2018	60.6	45.3	0	2,000	N/A	N/A	4/1/2016
GU-2	zinc	1/3/2019	15.2	45.3	1.385	2,000	N/A	N/A	4/1/2016
GU-2	zinc	4/8/2019	10.2	45.3	4.171	2,000	N/A	N/A	4/1/2016
GU-2	zinc	10/11/2019	<20	45.3	2.767	2,000	N/A	N/A	4/1/2016
GU-2	zinc	4/27/2020	21.5	45.3	9.537	2,000	N/A	N/A	4/1/2016
GU-2	zinc	10/9/2020	<20	45.3	7.974	2,000	N/A	N/A	4/1/2016
GU-2	zinc	4/9/2021	<20	45.3	7.896	2,000	N/A	N/A	4/1/2016
GU-2	zinc	10/25/2021	33.1	45.3	9.077	2,000	N/A	N/A	4/1/2016
GU-2	zinc	4/11/2022	<20	45.3	5.772	2,000	N/A	N/A	4/1/2016
GU-2	zinc	10/12/2022	74.1	45.3	5.621	2,000	N/A	N/A	4/1/2016
GU-2	zinc	1/6/2023	53.3	45.3	18.857	2,000	N/A	N/A	4/1/2016
GU-2	zinc	4/6/2023	<20	45.3	9.011	2,000	N/A	N/A	4/1/2016
GU-2	zinc	10/9/2023	<20	45.3	9.011	2,000	N/A	N/A	4/1/2016
GU-2	zinc	4/4/2024	<20	45.3	2.076	2,000	N/A	N/A	4/1/2016
GU-2	zinc	10/16/2024	<20	45.3	10	2,000	N/A	N/A	4/1/2016
GU-2	zinc	4/7/2025	21.1	45.3	7.969	2,000	N/A	N/A	4/1/2016
GU-2	zinc	10/20/2025	7	45.3	6.644	2,000	N/A	N/A	4/1/2016

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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
GU-2	Bis(2ethylhexyl)phthalate	4/6/2023	7	6	---	6	N/A	N/A	N/A
GU-2	Bis(2ethylhexyl)phthalate	6/27/2023	7	6	---	6	N/A	N/A	N/A
GU-2	Bis(2ethylhexyl)phthalate	10/9/2023	<6.0	6	---	6	N/A	N/A	N/A
GU-2	Bis(2ethylhexyl)phthalate	4/4/2024	NT	6	---	6	N/A	N/A	N/A
GU-2	Bis(2ethylhexyl)phthalate	10/16/2024	NT	6	---	6	N/A	N/A	N/A
GU-2	Bis(2ethylhexyl)phthalate	4/7/2025	NT	6	---	6	N/A	N/A	N/A
GU-2	Bis(2ethylhexyl)phthalate	10/20/2025	NT	6	---	6	N/A	N/A	N/A

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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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-3AR	cadmium	4/1/2016	0.8	1.3	0.003	5	NA	NA	6/1/2018
MW-3AR	cadmium	10/19/2016	0.8	1.3	0	5	NA	NA	6/1/2018
MW-3AR	cadmium	4/17/2017	<0.8	1.3	0.337	5	NA	NA	6/1/2018
MW-3AR	cadmium	10/11/2017	1.6	1.3	0.308	5	NA	NA	6/1/2018
MW-3AR	cadmium	6/1/2018	<0.8	1.3	0.13	5	NA	NA	6/1/2018
MW-3AR	cadmium	10/3/2018	1.3	1.3	0.198	5	NA	NA	6/1/2018
MW-3AR	cadmium	4/8/2019	---	1.3	0.198	5	NA	NA	6/1/2018
MW-3AR	cadmium	10/11/2019	0.8	1.3	0.4	5	NA	NA	6/1/2018
MW-3AR	cadmium	4/27/2020	<0.8	1.3	0.355	5	NA	NA	6/1/2018
MW-3AR	cadmium	10/9/2020	dry	4	0.355	5	NA	NA	6/1/2018
MW-3AR	cadmium	4/9/2021	<0.8	4	0.355	5	NA	NA	6/1/2018
MW-3AR	cadmium	10/25/2021	<0.8	4	0.006	5	NA	NA	6/1/2018
MW-3AR	cadmium	4/11/2022	dry	4	0.006	5	NA	NA	6/1/2018
MW-3AR	cadmium	10/12/2022	dry	4	0.006	5	NA	NA	6/1/2018
MW-3AR	cadmium	4/6/2023	1.2	4	0	5	NA	NA	6/1/2018
MW-3AR	cadmium	10/9/2023	dry	4	0	5	NA	NA	6/1/2018
MW-3AR	cadmium	4/4/2024	<0.8	1.7	0.254	5	NA	NA	6/1/2018
MW-3AR	cadmium	10/16/2024	1	1.7	0.393	5	NA	NA	6/1/2018
MW-3AR	cadmium	4/7/2025	2.2	1.7	0.320	5	NA	NA	6/1/2018
MW-3AR	cadmium	10/20/2025	dry	1.7	0.320	5	NA	NA	6/1/2018

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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-3AR	cobalt	4/1/2016	2.3	1	0.669	4.0*	4/17/2017	NA	6/1/2018
MW-3AR	cobalt	10/19/2016	1.7	1	0.558	4.0*	4/17/2017	NA	6/1/2018
MW-3AR	cobalt	4/17/2017	1.3	1	0.864	4.0*	4/17/2017	NA	6/1/2018
MW-3AR	cobalt	10/11/2017	<0.8	1	1.322	4.0*	4/17/2017	NA	6/1/2018
MW-3AR	cobalt	6/1/2018	<0.8	1	1.36	4.0*	4/17/2017	NA	6/1/2018
MW-3AR	cobalt	10/3/2018	<0.8	1	1.413	4.0*	4/17/2017	NA	6/1/2018
MW-3AR	cobalt	4/8/2019	---	4	1.413	4.0*	4/17/2017	NA	6/1/2018
MW-3AR	cobalt	10/11/2019	<0.8	4	2	4.0*	4/17/2017	NA	6/1/2018
MW-3AR	cobalt	4/27/2020	<0.4	4	0.263	4.0*	4/17/2017	NA	6/1/2018
MW-3AR	cobalt	10/9/2020	dry	4	0.263	4.0*	4/17/2017	NA	6/1/2018
MW-3AR	cobalt	4/9/2021	<0.4	4	0.2	4.0*	4/17/2017	NA	6/1/2018
MW-3AR	cobalt	10/25/2021	1.1	4	0.105	4.0*	4/17/2017	NA	6/1/2018
MW-3AR	cobalt	4/11/2022	dry	4	0.105	4.0*	4/17/2017	NA	6/1/2018
MW-3AR	cobalt	10/12/2022	dry	4	0.105	4.0*	4/17/2017	NA	6/1/2018
MW-3AR	cobalt	4/6/2023	<0.4	4	0.163	4.0*	4/17/2017	NA	6/1/2018
MW-3AR	cobalt	10/9/2023	dry	4	0.163	4.0*	4/17/2017	NA	6/1/2018
MW-3AR	cobalt	4/4/2024	0.8	4	0.185	4.0*	4/17/2017	NA	6/1/2018
MW-3AR	cobalt	10/16/2024	0.8	4	0.398	4.0*	4/17/2017	NA	6/1/2018
MW-3AR	cobalt	4/7/2025	<0.5	4	0.328	4.0*	4/17/2017	NA	6/1/2018
MW-3AR	cobalt	10/20/2025	dry	4	0.328	4.0*	4/17/2017	NA	6/1/2018

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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-3AR	copper	4/1/2016	7.2	8.4	0.934	1,300	NA	NA	6/1/2018
MW-3AR	copper	10/19/2016	<4.0	8.4	0.934	1,300	NA	NA	6/1/2018
MW-3AR	copper	4/17/2017	<4.0	8.4	0.242	1,300	NA	NA	6/1/2018
MW-3AR	copper	10/11/2017	4.9	8.4	1.061	1,300	NA	NA	6/1/2018
MW-3AR	copper	6/1/2018	4	8.4	1.506	1,300	NA	NA	6/1/2018
MW-3AR	copper	10/3/2018	9.8	8.4	1.278	1,300	NA	NA	6/1/2018
MW-3AR	copper	4/8/2019	---	8.4	1.278	1,300	NA	NA	6/1/2018
MW-3AR	copper	10/11/2019	4.3	8.4	2.544	1,300	NA	NA	6/1/2018
MW-3AR	copper	4/27/2020	4	8.4	3.054	1,300	NA	NA	6/1/2018
MW-3AR	copper	10/9/2020	dry	8.4	3.054	1,300	NA	NA	6/1/2018
MW-3AR	copper	4/9/2021	4.2	8.4	3.054	1,300	NA	NA	6/1/2018
MW-3AR	copper	10/25/2021	4.4	8.4	4.077	1,300	NA	NA	6/1/2018
MW-3AR	copper	4/11/2022	dry	8.4	4.077	1,300	NA	NA	6/1/2018
MW-3AR	copper	10/12/2022	dry	8.4	4.077	1,300	NA	NA	6/1/2018
MW-3AR	copper	4/6/2023	10.2	8.4	1.076	1,300	NA	NA	6/1/2018
MW-3AR	copper	10/12/2022	dry	8.4	1.076	1,300	NA	NA	6/1/2018
MW-3AR	copper	4/4/2024	<4.0	8.4	2.687	1,300	NA	NA	6/1/2018
MW-3AR	copper	10/16/2024	<4.0	8.4	1.998	1,300	NA	NA	6/1/2018
MW-3AR	copper	4/7/2025	7.5	8.4	0.596	1,300	NA	NA	6/1/2018
MW-3AR	copper	10/20/2025	dry	8.4	0.596	1,300	NA	NA	6/1/2018

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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-6B	selenium	10/26/2015	<4	4	---	50	NA	NA	6/1/2018
MW-6B	selenium	4/1/2016	<4	4	---	50	NA	NA	6/1/2018
MW-6B	selenium	10/19/2016	<4	4	---	50	NA	NA	6/1/2018
MW-6B	selenium	4/17/2017	<4	4	2	50	NA	NA	6/1/2018
MW-6B	selenium	10/11/2017	<4	4	2	50	NA	NA	6/1/2018
MW-6B	selenium	6/1/2018	<4	4	2	50	NA	NA	6/1/2018
MW-6B	selenium	10/3/2018	<4	4	2	50	NA	NA	6/1/2018
MW-6B	selenium	4/8/2019	<4	4	2	50	NA	NA	6/1/2018
MW-6B	selenium	10/11/2019	<4	4	2	50	NA	NA	6/1/2018
MW-6B	selenium	4/27/2020	<4	4	2	50	NA	NA	6/1/2018
MW-6B	selenium	10/9/2020	dry	4	2	50	NA	NA	6/1/2018
MW-6B	selenium	4/9/2021	7.4	4	2	50	NA	NA	6/1/2018
MW-6B	selenium	10/25/2021	<4	4	2	50	NA	NA	6/1/2018
MW-6B	selenium	4/11/2022	<4	4	2	50	NA	NA	6/1/2018
MW-6B	selenium	10/12/2022	dry	4	2	50	NA	NA	6/1/2018
MW-6B	selenium	4/6/2023	6.1	4	1.089	50	NA	NA	6/1/2018
MW-6B	selenium	10/9/2023	dry	4	1.089	50	NA	NA	6/1/2018
MW-6B	selenium	4/4/2024	<4	4	1.25	50	NA	NA	6/1/2018
MW-6B	selenium	10/16/2024	dry	4	1.25	50	NA	NA	6/1/2018
MW-6B	selenium	4/7/2025	2.2	4	1.327	50	NA	NA	6/1/2018
MW-6B	selenium	10/20/2025	dry	4	1.327	50	NA	NA	6/1/2018

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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-6B	zinc	4/1/2016	<8.0	45.3	4	2,000	1/3/2019	NA	6/1/2018
MW-6B	zinc	10/19/2016	<8.0	45.3	4	2,000	1/3/2019	NA	6/1/2018
MW-6B	zinc	4/17/2017	<8.0	45.3	4	2,000	1/3/2019	NA	6/1/2018
MW-6B	zinc	10/11/2017	<8.0	45.3	4	2,000	1/3/2019	NA	6/1/2018
MW-6B	zinc	6/1/2018	<8.0	45.3	4	2,000	1/3/2019	NA	6/1/2018
MW-6B	zinc	10/3/2018	47.7	45.3	0	2,000	1/3/2019	NA	6/1/2018
MW-6B	zinc	1/3/2019	122	45.3	0	2,000	1/3/2019	NA	6/1/2018
MW-6B	zinc	4/8/2019	<8.0	45.3	0	2,000	1/3/2019	NA	6/1/2018
MW-6B	zinc	10/11/2019	<20.0	45.3	0	2,000	1/3/2019	NA	6/1/2018
MW-6B	zinc	4/27/2020	<20.0	45.3	0	2,000	1/3/2019	NA	6/1/2018
MW-6B	zinc	10/9/2020	dry	45.3	0	2,000	1/3/2019	NA	6/1/2018
MW-6B	zinc	4/9/2021	<20.0	45.3	10	2,000	1/3/2019	NA	6/1/2018
MW-6B	zinc	10/25/2021	<20.0	45.3	10	2,000	1/3/2019	NA	6/1/2018
MW-6B	zinc	4/11/2022	<20.0	45.3	10	2,000	1/3/2019	NA	6/1/2018
MW-6B	zinc	10/12/2022	dry	45.3	10	2,000	1/3/2019	NA	6/1/2018
MW-6B	zinc	4/6/2023	<20.0	45.3	10	2,000	1/3/2019	NA	6/1/2018
MW-6B	zinc	10/9/2023	dry	45.3	10	2,000	1/3/2019	NA	6/1/2018
MW-6B	zinc	4/4/2024	<20.0	45.3	10	2,000	1/3/2019	NA	6/1/2018
MW-6B	zinc	10/16/2024	dry	45.3	10	2,000	1/3/2019	NA	6/1/2018
MW-6B	zinc	4/7/2025	7.4	45.3	8.224	2,000	1/3/2019	NA	6/1/2018
MW-6B	zinc	10/20/2025	dry	45.3	8.224	2,000	1/3/2019	NA	6/1/2018

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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-6B	Bis(2ethylhexyl)phthalate	4/1/2016	---	6	---	6	NA	NA	10/25/2021
MW-6B	Bis(2ethylhexyl)phthalate	10/19/2016	---	6	---	6	NA	NA	10/25/2021
MW-6B	Bis(2ethylhexyl)phthalate	4/17/2017	---	6	---	6	NA	NA	10/25/2021
MW-6B	Bis(2ethylhexyl)phthalate	10/11/2017	---	6	---	6	NA	NA	10/25/2021
MW-6B	Bis(2ethylhexyl)phthalate	6/1/2018	---	6	---	6	NA	NA	10/25/2021
MW-6B	Bis(2ethylhexyl)phthalate	10/3/2018	---	6	---	6	NA	NA	10/25/2021
MW-6B	Bis(2ethylhexyl)phthalate	4/8/2019	29	6	---	6	NA	NA	10/25/2021
MW-6B	Bis(2ethylhexyl)phthalate	10/11/2019	<6.0	6	---	6	NA	NA	10/25/2021
MW-6B	Bis(2ethylhexyl)phthalate	4/27/2020	13	6	---	6	NA	NA	10/25/2021
MW-6B	Bis(2ethylhexyl)phthalate	10/9/2020	dry	6	---	6	NA	NA	10/25/2021
MW-6B	Bis(2ethylhexyl)phthalate	4/9/2021	<6.0	6	1.3699	6	NA	NA	10/25/2021
MW-6B	Bis(2ethylhexyl)phthalate	10/25/2021	<6.0	6	0	6	NA	NA	10/25/2021
MW-6B	Bis(2ethylhexyl)phthalate	4/11/2022	<6.0	6	0	6	NA	NA	10/25/2021
MW-6B	Bis(2ethylhexyl)phthalate	10/12/2022	dry	6	0	6	NA	NA	10/25/2021
MW-6B	Bis(2ethylhexyl)phthalate	4/6/2023	<6.0	6	3	6	NA	NA	10/25/2021
MW-6B	Bis(2ethylhexyl)phthalate	10/12/2022	dry	6	3	6	NA	NA	10/25/2021
MW-6B	Bis(2ethylhexyl)phthalate	4/4/2024	<6.0	6	3	6	NA	NA	10/25/2021
MW-6B	Bis(2ethylhexyl)phthalate	10/16/2024	dry	6	3	6	NA	NA	10/25/2021
MW-6B	Bis(2ethylhexyl)phthalate	4/7/2025	<6.0	6	3	6	NA	NA	10/25/2021
MW-6B	Bis(2ethylhexyl)phthalate	10/20/2025	dry	6	3	6	NA	NA	10/25/2021

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
Summary of Ongoing & Newly Identified SSI
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Northern Plains Regional Landfill
Permit No. 74-SDP-02-76P

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-7A	cobalt	4/1/2016	0.8	1	0.997	4.0*	NA	NA	6/1/2018
MW-7A	cobalt	10/19/2016	<0.8	1	0.997	4.0*	NA	NA	6/1/2018
MW-7A	cobalt	4/17/2017	1.2	1	0.773	4.0*	NA	NA	6/1/2018
MW-7A	cobalt	10/11/2017	0.8	1	0.535	4.0*	NA	NA	6/1/2018
MW-7A	cobalt	6/1/2018	<0.8	1	0.794	4.0*	NA	NA	6/1/2018
MW-7A	cobalt	10/3/2018	<0.8	1	0.794	4.0*	NA	NA	6/1/2018
MW-7A	cobalt	4/8/2019	0.9	4	0.643	4.0*	NA	NA	6/1/2018
MW-7A	cobalt	10/11/2019	1.6	4	1.015	4.0*	NA	NA	6/1/2018
MW-7A	cobalt	4/27/2020	0.7	4	0.458	4.0*	NA	NA	6/1/2018
MW-7A	cobalt	10/9/2020	dry	4	0.458	4.0*	NA	NA	6/1/2018
MW-7A	cobalt	4/9/2021	1.1	4	0.621	4.0*	NA	NA	6/1/2018
MW-7A	cobalt	10/25/2021	0.9	4	0.621	4.0*	NA	NA	6/1/2018
MW-7A	cobalt	4/11/2022	0.9	4	0.708	4.0*	NA	NA	6/1/2018
MW-7A	cobalt	10/12/2022	dry	4	0.708	4.0*	NA	NA	6/1/2018
MW-7A	cobalt	4/6/2023	1.6	4	0.736	4.0*	NA	NA	6/1/2018
MW-7A	cobalt	10/9/2023	dry	4	0.736	4.0*	NA	NA	6/1/2018
MW-7A	cobalt	4/4/2024	<0.4	4	0.405	4.0*	NA	NA	6/1/2018
MW-7A	cobalt	10/16/2024	dry	4	0.405	4.0*	NA	NA	6/1/2018
MW-7A	cobalt	4/7/2025	0.6	4	0.257	4.0*	NA	NA	6/1/2018
MW-7A	cobalt	10/20/2025	dry	4	0.257	4.0*	NA	NA	6/1/2018

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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-7A	cadmium	4/1/2016	<0.8	1.3	0.399	5	NA	NA	6/1/2018
MW-7A	cadmium	10/19/2016	1.1	1.3	0.387	5	NA	NA	6/1/2018
MW-7A	cadmium	4/17/2017	1.5	1.3	0.324	5	NA	NA	6/1/2018
MW-7A	cadmium	10/11/2017	<0.8	1.3	0.324	5	NA	NA	6/1/2018
MW-7A	cadmium	6/1/2018	<0.8	1.3	0.324	5	NA	NA	6/1/2018
MW-7A	cadmium	10/3/2018	0.9	1.3	0.294	5	NA	NA	6/1/2018
MW-7A	cadmium	4/8/2019	<0.8	1.3	0.231	5	NA	NA	6/1/2018
MW-7A	cadmium	10/11/2019	0.9	1.3	0.31	5	NA	NA	6/1/2018
MW-7A	cadmium	4/27/2020	<0.8	1.3	0.4	5	NA	NA	6/1/2018
MW-7A	cadmium	10/9/2020	dry	4	0.4	5	NA	NA	6/1/2018
MW-7A	cadmium	4/9/2021	<0.8	4	0.231	5	NA	NA	6/1/2018
MW-7A	cadmium	10/25/2021	<0.8	4	0.231	5	NA	NA	6/1/2018
MW-7A	cadmium	4/11/2022	<0.8	4	0.4	5	NA	NA	6/1/2018
MW-7A	cadmium	10/12/2022	dry	4	0.4	5	NA	NA	6/1/2018
MW-7A	cadmium	4/6/2023	<0.8	4	0.4	5	NA	NA	6/1/2018
MW-7A	cadmium	10/9/2023	dry	4	0.4	5	NA	NA	6/1/2018
MW-7A	cadmium	4/4/2024	<0.8	1.7	0.4	5	NA	NA	6/1/2018
MW-7A	cadmium	10/16/2024	Dry	1.7	0.4	5	NA	NA	6/1/2018
MW-7A	cadmium	4/7/2025	0.3	1.7	0.316	5	NA	NA	6/1/2018
MW-7A	cadmium	10/20/2025	dry	1.7	0.316	5	NA	NA	6/1/2018

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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-7A	nickel	4/1/2016	43.4	13.605	16.233	100	10/19/2016	NA	6/1/2018
MW-7A	nickel	10/19/2016	42.5	13.605	36.677	100	10/19/2016	NA	6/1/2018
MW-7A	nickel	4/17/2017	62.4	13.605	37.142	100	10/19/2016	NA	6/1/2018
MW-7A	nickel	10/11/2017	37.9	13.605	33.802	100	10/19/2016	NA	6/1/2018
MW-7A	nickel	6/1/2018	32.3	13.605	28.367	100	10/19/2016	NA	6/1/2018
MW-7A	nickel	10/3/2018	40.2	13.605	27.646	100	10/19/2016	NA	6/1/2018
MW-7A	nickel	4/8/2019	34.9	13.25	32.266	100	10/19/2016	NA	6/1/2018
MW-7A	nickel	10/11/2019	40.9	13	32.181	100	10/19/2016	NA	6/1/2018
MW-7A	nickel	4/27/2020	26.3	12.6	27.739	100	10/19/2016	NA	6/1/2018
MW-7A	nickel	10/9/2020	dry	12.6	27.739	100	10/19/2016	NA	6/1/2018
MW-7A	nickel	4/9/2021	46.3	12.6	27.014	100	10/19/2016	NA	6/1/2018
MW-7A	nickel	10/25/2021	25.8	12.6	22.625	100	10/19/2016	NA	6/1/2018
MW-7A	nickel	4/11/2022	54.8	15.6	21.166	100	10/19/2016	NA	6/1/2018
MW-7A	nickel	10/12/2022	dry	15.6	21.166	100	10/19/2016	NA	6/1/2018
MW-7A	nickel	4/6/2023	27.8	15.6	22.009	100	10/19/2016	NA	6/1/2018
MW-7A	nickel	10/9/2023	dry	17.1	22.009	100	10/19/2016	NA	6/1/2018
MW-7A	nickel	4/4/2024	12.6	17.1	15.027	100	10/19/2016	NA	6/1/2018
MW-7A	nickel	10/16/2024	dry	17.1	15.027	100	10/19/2016	NA	6/1/2018
MW-7A	nickel	4/7/2025	26.5	17.1	9.668	100	10/19/2016	NA	6/1/2018
MW-7A	nickel	10/20/2025	dry	17.1	9.668	100	10/19/2016	NA	6/1/2018

Table 7

Summary of Ongoing & Newly Identified 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	Resamples Due	5th Background Sample
							Initial Exceedance		
MW-7A	zinc	4/1/2016	<8.0	45.3	0	2,000	NA	NA	6/1/2018
MW-7A	zinc	10/19/2016	<8.0	45.3	0	2,000	NA	NA	6/1/2018
MW-7A	zinc	4/17/2017	11.4	45.3	1.498	2,000	NA	NA	6/1/2018
MW-7A	zinc	10/11/2017	9.2	45.3	2.743	2,000	NA	NA	6/1/2018
MW-7A	zinc	6/1/2018	<8.0	45.3	2.743	2,000	NA	NA	6/1/2018
MW-7A	zinc	10/3/2018	65	45.3	0	2,000	NA	NA	6/1/2018
MW-7A	zinc	4/8/2019	<8.0	45.3	0	2,000	NA	NA	6/1/2018
MW-7A	zinc	10/11/2019	<20.0	45.3	0	2,000	NA	NA	6/1/2018
MW-7A	zinc	4/27/2020	<20.0	45.3	0	2,000	NA	NA	6/1/2018
MW-7A	zinc	10/9/2020	dry	45.3	0	2,000	NA	NA	6/1/2018
MW-7A	zinc	4/9/2021	<20.0	45.3	10	2,000	NA	NA	6/1/2018
MW-7A	zinc	10/25/2021	<20.0	45.3	10	2,000	NA	NA	6/1/2018
MW-7A	zinc	4/11/2022	<20.0	45.3	10	2,000	NA	NA	6/1/2018
MW-7A	zinc	10/12/2022	dry	45.3	10	2,000	NA	NA	6/1/2018
MW-7A	zinc	4/6/2023	<20.0	45.3	10	2,000	NA	NA	6/1/2018
MW-7A	zinc	10/9/2023	dry	45.3	10	2,000	NA	NA	6/1/2018
MW-7A	zinc	4/4/2024	<20.0	45.3	10	2,000	NA	NA	6/1/2018
MW-7A	zinc	10/16/2024	dry	45.3	10	2,000	NA	NA	6/1/2018
MW-7A	zinc	4/7/2025	5.3	45.3	6.061	2,000	NA	NA	6/1/2018
MW-7A	zinc	10/20/2025	dry	45.3	6.061	2,000	NA	NA	6/1/2018

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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-7A	1,1-dichloroethane	4/1/2016	<1.0	1	0	140	6/1/2018	NA	6/1/2018
MW-7A	1,1-dichloroethane	10/19/2016	2.2	1	0	140	6/1/2018	NA	6/1/2018
MW-7A	1,1-dichloroethane	4/17/2017	<1.0	1	0	140	6/1/2018	NA	6/1/2018
MW-7A	1,1-dichloroethane	10/11/2017	3.2	1	0.031	140	6/1/2018	NA	6/1/2018
MW-7A	1,1-dichloroethane	6/1/2018	2.2	1	0.707	140	6/1/2018	NA	6/1/2018
MW-7A	1,1-dichloroethane	10/3/2018	2.6	1	0.762	140	6/1/2018	NA	6/1/2018
MW-7A	1,1-dichloroethane	4/8/2019	<1.0	1	0.762	140	6/1/2018	NA	6/1/2018
MW-7A	1,1-dichloroethane	10/11/2019	1.1	1	0.46	140	6/1/2018	NA	6/1/2018
MW-7A	1,1-dichloroethane	4/27/2020	<1.0	1	0.317	140	6/1/2018	NA	6/1/2018
MW-7A	1,1-dichloroethane	10/9/2020	dry	1	0.317	140	6/1/2018	NA	6/1/2018
MW-7A	1,1-dichloroethane	4/9/2021	<1.0	1	0.297	140	6/1/2018	NA	6/1/2018
MW-7A	1,1-dichloroethane	10/25/2021	<1.0	1	0.297	140	6/1/2018	NA	6/1/2018
MW-7A	1,1-dichloroethane	4/11/2022	<1.0	1	0.5	140	6/1/2018	NA	6/1/2018
MW-7A	1,1-dichloroethane	10/12/2022	dry	1	0.5	140	6/1/2018	NA	6/1/2018
MW-7A	1,1-dichloroethane	4/6/2023	<1.0	1	0.5	140	6/1/2018	NA	6/1/2018
MW-7A	1,1-dichloroethane	10/9/2023	dry	1	0.5	140	6/1/2018	NA	6/1/2018
MW-7A	1,1-dichloroethane	4/4/2024	<1.0	1	0.5	140	6/1/2018	NA	6/1/2018
MW-7A	1,1-dichloroethane	10/16/2024	dry	1	0.5	140	6/1/2018	NA	6/1/2018
MW-7A	1,1-dichloroethane	4/7/2025	<1.0	1	0.5	140	6/1/2018	NA	6/1/2018
MW-7A	1,1-dichloroethane	10/20/2025	dry	1	0.5	140	6/1/2018	NA	6/1/2018

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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-7A	Cis-1,2-DCE	4/1/2016	<1.0	1	0	70	6/1/2018	NA	6/1/2018
MW-7A	Cis-1,2-DCE	10/19/2016	2	1	0	70	6/1/2018	NA	6/1/2018
MW-7A	Cis-1,2-DCE	4/17/2017	<1.0	1	0	70	6/1/2018	NA	6/1/2018
MW-7A	Cis-1,2-DCE	10/11/2017	3.4	1	0	70	6/1/2018	NA	6/1/2018
MW-7A	Cis-1,2-DCE	6/1/2018	1.7	1	0.498	70	6/1/2018	NA	6/1/2018
MW-7A	Cis-1,2-DCE	10/3/2018	2.5	1	0.577	70	6/1/2018	NA	6/1/2018
MW-7A	Cis-1,2-DCE	4/8/2019	<1.0	1	0.577	70	6/1/2018	NA	6/1/2018
MW-7A	Cis-1,2-DCE	10/11/2019	2	1	0.675	70	6/1/2018	NA	6/1/2018
MW-7A	Cis-1,2-DCE	4/27/2020	<1.0	1	0.482	70	6/1/2018	NA	6/1/2018
MW-7A	Cis-1,2-DCE	10/9/2020	dry	1	0.482	70	6/1/2018	NA	6/1/2018
MW-7A	Cis-1,2-DCE	4/9/2021	<1.0	1	0	70	6/1/2018	NA	6/1/2018
MW-7A	Cis-1,2-DCE	10/25/2021	<1.0	1	0	70	6/1/2018	NA	6/1/2018
MW-7A	Cis-1,2-DCE	4/11/2022	<1.0	1	0.5	70	6/1/2018	NA	6/1/2018
MW-7A	Cis-1,2-DCE	10/12/2022	dry	1	0.5	70	6/1/2018	NA	6/1/2018
MW-7A	Cis-1,2-DCE	4/6/2023	<1.0	1	0.5	70	6/1/2018	NA	6/1/2018
MW-7A	Cis-1,2-DCE	10/9/2023	dry	1	0.5	70	6/1/2018	NA	6/1/2018
MW-7A	Cis-1,2-DCE	4/4/2024	<1.0	1	0.5	70	6/1/2018	NA	6/1/2018
MW-7A	Cis-1,2-DCE	10/16/2024	dry	1	0.5	70	6/1/2018	NA	6/1/2018
MW-7A	Cis-1,2-DCE	4/7/2025	<1.0	1	0.5	70	6/1/2018	NA	6/1/2018
MW-7A	Cis-1,2-DCE	10/20/2025	dry	1	0.5	70	6/1/2018	NA	6/1/2018

Table 7

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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-7A	Vinyl Chloride	4/1/2016	<1.0	1	0.297	2	6/1/2018	NA	6/1/2018
MW-7A	Vinyl Chloride	10/19/2016	<1.0	1	0.5	2	6/1/2018	NA	6/1/2018
MW-7A	Vinyl Chloride	4/17/2017	<1.0	1	0.5	2	6/1/2018	NA	6/1/2018
MW-7A	Vinyl Chloride	10/11/2017	1.3	1	0.229	2	6/1/2018	NA	6/1/2018
MW-7A	Vinyl Chloride	6/1/2018	1.1	1	0.365	2	6/1/2018	NA	6/1/2018
MW-7A	Vinyl Chloride	10/3/2018	<1.0	1	0.365	2	6/1/2018	NA	6/1/2018
MW-7A	Vinyl Chloride	4/8/2019	<1.0	1	0.365	2	6/1/2018	NA	6/1/2018
MW-7A	Vinyl Chloride	10/11/2019	<1.0	1	0.297	2	6/1/2018	NA	6/1/2018
MW-7A	Vinyl Chloride	4/27/2020	<1.0	1	0.5	2	6/1/2018	NA	6/1/2018
MW-7A	Vinyl Chloride	10/9/2020	dry	1	0.5	2	6/1/2018	NA	6/1/2018
MW-7A	Vinyl Chloride	4/9/2021	<1.0	1	0.5	2	6/1/2018	NA	6/1/2018
MW-7A	Vinyl Chloride	10/25/2021	<1.0	1	0.5	2	6/1/2018	NA	6/1/2018
MW-7A	Vinyl Chloride	4/11/2022	<1.0	1	0.5	2	6/1/2018	NA	6/1/2018
MW-7A	Vinyl Chloride	10/12/2022	dry	1	0.5	2	6/1/2018	NA	6/1/2018
MW-7A	Vinyl Chloride	4/6/2023	<1.0	1	0.5	2	6/1/2018	NA	6/1/2018
MW-7A	Vinyl Chloride	10/9/2023	dry	1	0.5	2	6/1/2018	NA	6/1/2018
MW-7A	Vinyl Chloride	4/4/2024	<1.0	1	0.5	2	6/1/2018	NA	6/1/2018
MW-7A	Vinyl Chloride	10/16/2024	dry	1	0.5	2	6/1/2018	NA	6/1/2018
MW-7A	Vinyl Chloride	4/7/2025	<1.0	1	0.5	2	6/1/2018	NA	6/1/2018
MW-7A	Vinyl Chloride	10/20/2025	dry	1	0.5	2	6/1/2018	NA	6/1/2018

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-7B	barium	4/1/2016	573	541.2513	591.778	2,000.00	10/19/2016	NA	6/1/2018
MW-7B	barium	10/19/2016	652	541.2513	576.918	2,000.00	10/19/2016	NA	6/1/2018
MW-7B	barium	4/17/2017	616	541.2513	556.174	2,000.00	10/19/2016	NA	6/1/2018
MW-7B	barium	10/11/2017	614	541.2513	575.763	2,000.00	10/19/2016	NA	6/1/2018
MW-7B	barium	6/1/2018	668	541.2513	605.973	2,000.00	10/19/2016	NA	6/1/2018
MW-7B	barium	10/3/2018	665	541.2513	605.732	2,000.00	10/19/2016	NA	6/1/2018
MW-7B	barium	4/8/2019	501	869.9216	520.204	2,000.00	10/19/2016	NA	6/1/2018
MW-7B	barium	10/11/2019	596	819.6279	515.276	2,000.00	10/19/2016	NA	6/1/2018
MW-7B	barium	4/27/2020	542	801.777	574.555	2,000.00	10/19/2016	NA	6/1/2018
MW-7B	barium	10/9/2020	776	777.1527	461.131	2,000.00	10/19/2016	NA	6/1/2018
MW-7B	barium	4/9/2021	636	745.1464	519.818	2,000.00	10/19/2016	NA	6/1/2018
MW-7B	barium	10/25/2021	647	721.8947	537.129	2,000.00	10/19/2016	NA	6/1/2018
MW-7B	barium	4/11/2022	602	728.273	575.526	2,000.00	10/19/2016	NA	6/1/2018
MW-7B	barium	10/12/2022	744	700.6661	585.587	2,000.00	10/19/2016	NA	6/1/2018
MW-7B	barium	4/6/2023	NT	713.4888	585.587	2,000.00	10/19/2016	NA	6/1/2018
MW-7B	barium	10/9/2023	684	686.9601	598.598	2,000.00	10/19/2016	NA	6/1/2018
MW-7B	barium	4/4/2024	643	685.3309	596.981	2,000.00	10/19/2016	NA	6/1/2018
MW-7B	barium	10/16/2024	678	661.2919	637.926	2,000.00	10/19/2016	NA	6/1/2018
MW-7B	barium	4/7/2025	749	664.891	636.508	2,000.00	10/19/2016	NA	6/1/2018
MW-7B	barium	10/20/2025	821	647.490	629.869	2,000.00	10/19/2016	NA	6/1/2018

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-7B	cobalt	4/1/2016	<0.8	1	2	4.0*	10/11/2017	NA	6/1/2018
MW-7B	cobalt	10/19/2016	<0.8	1	2	4.0*	10/11/2017	NA	6/1/2018
MW-7B	cobalt	4/17/2017	3.6	1	1.459	4.0*	10/11/2017	NA	6/1/2018
MW-7B	cobalt	10/11/2017	2.3	1	1.577	4.0*	10/11/2017	NA	6/1/2018
MW-7B	cobalt	6/1/2018	2.3	1	1.71	4.0*	10/11/2017	NA	6/1/2018
MW-7B	cobalt	10/3/2018	1.7	1	1.532	4.0*	10/11/2017	NA	6/1/2018
MW-7B	cobalt	4/8/2019	<0.8	4	1.737	4.0*	10/11/2017	NA	6/1/2018
MW-7B	cobalt	10/11/2019	1.2	4	1.248	4.0*	10/11/2017	NA	6/1/2018
MW-7B	cobalt	4/27/2020	0.6	4	0.463	4.0*	10/11/2017	NA	6/1/2018
MW-7B	cobalt	10/9/2020	1.8	4	0.656	4.0*	10/11/2017	NA	6/1/2018
MW-7B	cobalt	4/9/2021	1.4	4	0.662	4.0*	10/11/2017	NA	6/1/2018
MW-7B	cobalt	10/25/2021	0.4	4	0.273	4.0*	10/11/2017	NA	6/1/2018
MW-7B	cobalt	4/11/2022	0.8	4	0.369	4.0*	10/11/2017	NA	6/1/2018
MW-7B	cobalt	10/12/2022	2.1	4	0.303	4.0*	10/11/2017	NA	6/1/2018
MW-7B	cobalt	4/6/2023	NT	4	0.303	4.0*	10/11/2017	NA	6/1/2018
MW-7B	cobalt	10/9/2023	<0.4	4	0.321	4.0*	10/11/2017	NA	6/1/2018
MW-7B	cobalt	4/4/2024	<0.4	4	0.000	4.0*	10/11/2017	NA	6/1/2018
MW-7B	cobalt	10/16/2024	<0.4	4	0.000	4.0*	10/11/2017	NA	6/1/2018
MW-7B	cobalt	4/7/2025	<0.5	4	0.400	4.0*	10/11/2017	NA	6/1/2018
MW-7B	cobalt	10/20/2025	<0.5	4	0.400	4.0*	10/11/2017	NA	6/1/2018

Table 7

KEY:	SSI	SSL LCL>GWPS

Summary of Ongoing & Newly Identified 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-7B	nickel	4/1/2016	15.4	13.0651	15.181	100	10/19/2016	NA	6/1/2018
MW-7B	nickel	10/19/2016	14.8	13.0651	14.887	100	10/19/2016	NA	6/1/2018
MW-7B	nickel	4/17/2017	19.4	13.0651	13.757	100	10/19/2016	NA	6/1/2018
MW-7B	nickel	10/11/2017	14.4	13.0651	13.29	100	10/19/2016	NA	6/1/2018
MW-7B	nickel	6/1/2018	16.9	13.0651	13.675	100	10/19/2016	NA	6/1/2018
MW-7B	nickel	10/3/2018	16.7	13.0651	14.446	100	10/19/2016	NA	6/1/2018
MW-7B	nickel	4/8/2019	16.5	13.25	14.759	100	10/19/2016	NA	6/1/2018
MW-7B	nickel	10/11/2019	18.3	13	16.14	100	10/19/2016	NA	6/1/2018
MW-7B	nickel	4/27/2020	18.9	12.6	16.575	100	10/19/2016	NA	6/1/2018
MW-7B	nickel	10/9/2020	26	12.6	15.012	100	10/19/2016	NA	6/1/2018
MW-7B	nickel	4/9/2021	12.6	12.6	12.491	100	10/19/2016	NA	6/1/2018
MW-7B	nickel	10/25/2021	9.7	12.6	8.288	100	10/19/2016	NA	6/1/2018
MW-7B	nickel	4/11/2022	16.1	15.6	7.749	100	10/19/2016	NA	6/1/2018
MW-7B	nickel	10/12/2022	9.7	15.6	8.448	100	10/19/2016	NA	6/1/2018
MW-7B	nickel	4/6/2023	NT	15.6	8.448	100	10/19/2016	NA	6/1/2018
MW-7B	nickel	10/9/2023	10.5	17.1	7.866	100	10/19/2016	NA	6/1/2018
MW-7B	nickel	4/4/2024	12.1	17.1	8.751	100	10/19/2016	NA	6/1/2018
MW-7B	nickel	10/16/2024	10.5	17.1	9.516	100	10/19/2016	NA	6/1/2018
MW-7B	nickel	4/7/2025	10.9	17.1	10.109	100	10/19/2016	NA	6/1/2018
MW-7B	nickel	10/20/2025	11.4	17.1	10.414	100	10/19/2016	NA	6/1/2018

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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-7B	1,1-dichloroethane	4/1/2016	<1.0	1	0.5	140	NA	NA	6/1/2018
MW-7B	1,1-dichloroethane	10/19/2016	<1.0	1	0.5	140	NA	NA	6/1/2018
MW-7B	1,1-dichloroethane	4/17/2017	<1.0	1	0.5	140	NA	NA	6/1/2018
MW-7B	1,1-dichloroethane	10/11/2017	<1.0	1	0.5	140	NA	NA	6/1/2018
MW-7B	1,1-dichloroethane	6/1/2018	<1.0	1	0.5	140	NA	NA	6/1/2018
MW-7B	1,1-dichloroethane	10/3/2018	<1.0	1	0.5	140	NA	NA	6/1/2018
MW-7B	1,1-dichloroethane	4/8/2019	<1.0	1	0.5	140	NA	NA	6/1/2018
MW-7B	1,1-dichloroethane	10/11/2019	<1.0	1	0.5	140	NA	NA	6/1/2018
MW-7B	1,1-dichloroethane	4/27/2020	<1.0	1	0.5	140	NA	NA	6/1/2018
MW-7B	1,1-dichloroethane	10/9/2020	<1.0	1	0.5	140	NA	NA	6/1/2018
MW-7B	1,1-dichloroethane	4/9/2021	<1.0	1	0.5	140	NA	NA	6/1/2018
MW-7B	1,1-dichloroethane	10/25/2021	<1.0	1	0.5	140	NA	NA	6/1/2018
MW-7B	1,1-dichloroethane	4/11/2022	<1.0	1	0.5	140	NA	NA	6/1/2018
MW-7B	1,1-dichloroethane	10/12/2022	<1.0	1	0.5	140	NA	NA	6/1/2018
MW-7B	1,1-dichloroethane	4/6/2023	<1.0	1	0.5	140	NA	NA	6/1/2018
MW-7B	1,1-dichloroethane	10/9/2023	<1.0	1	0.5	140	NA	NA	6/1/2018
MW-7B	1,1-dichloroethane	4/4/2024	<1.0	1	0.5	140	NA	NA	6/1/2018
MW-7B	1,1-dichloroethane	10/16/2024	<1.0	1	0.5	140	NA	NA	6/1/2018
MW-7B	1,1-dichloroethane	4/7/2025	<1.0	1	0.5	140	NA	NA	6/1/2018
MW-7B	1,1-dichloroethane	10/20/2025	<1.0	1	0.5	140	NA	NA	6/1/2018

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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-7B	Vinyl Chloride	4/1/2016	<1.0	1	0.5	2	NA	NA	6/1/2018
MW-7B	Vinyl Chloride	10/19/2016	<1.0	1	0.5	2	NA	NA	6/1/2018
MW-7B	Vinyl Chloride	4/17/2017	<1.0	1	0.5	2	NA	NA	6/1/2018
MW-7B	Vinyl Chloride	10/11/2017	<1.0	1	0.5	2	NA	NA	6/1/2018
MW-7B	Vinyl Chloride	6/1/2018	<1.0	1	0.5	2	NA	NA	6/1/2018
MW-7B	Vinyl Chloride	10/3/2018	<1.0	1	0.5	2	NA	NA	6/1/2018
MW-7B	Vinyl Chloride	4/8/2019	<1.0	1	0.5	2	NA	NA	6/1/2018
MW-7B	Vinyl Chloride	10/11/2019	<1.0	1	0.5	2	NA	NA	6/1/2018
MW-7B	Vinyl Chloride	4/27/2020	<1.0	1	0.5	2	NA	NA	6/1/2018
MW-7B	Vinyl Chloride	10/9/2020	<1.0	1	0.5	2	NA	NA	6/1/2018
MW-7B	Vinyl Chloride	4/9/2021	<1.0	1	0.5	2	NA	NA	6/1/2018
MW-7B	Vinyl Chloride	10/25/2021	<1.0	1	0.5	2	NA	NA	6/1/2018
MW-7B	Vinyl Chloride	4/11/2022	<1.0	1	0.5	2	NA	NA	6/1/2018
MW-7B	Vinyl Chloride	10/12/2022	<1.0	1	0.5	2	NA	NA	6/1/2018
MW-7B	Vinyl Chloride	4/6/2023	<1.0	1	0.5	2	NA	NA	6/1/2018
MW-7B	Vinyl Chloride	10/9/2023	<1.0	1	0.5	2	NA	NA	6/1/2018
MW-7B	Vinyl Chloride	4/4/2024	<1.0	1	0.5	2	NA	NA	6/1/2018
MW-7B	Vinyl Chloride	10/16/2024	<1.0	1	0.5	2	NA	NA	6/1/2018
MW-7B	Vinyl Chloride	4/7/2025	<1.0	1	0.5	140	NA	NA	6/1/2018
MW-7B	Vinyl Chloride	10/20/2025	<1.0	1	0.5	140	NA	NA	6/1/2018

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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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-8	arsenic	4/1/2016	63.5	53.7	44.148	53.7*	10/19/2016	NA	6/1/2018
MW-8	arsenic	10/19/2016	107	53.7	46.283	53.7*	10/19/2016	NA	6/1/2018
MW-8	arsenic	4/17/2017	55.9	53.7	51.294	53.7*	10/19/2016	NA	6/1/2018
MW-8	arsenic	10/11/2017	47.2	53.7	37.133	53.7*	10/19/2016	NA	6/1/2018
MW-8	arsenic	6/1/2018	32.5	53.7	22.569	53.7*	10/19/2016	NA	6/1/2018
MW-8	arsenic	10/3/2018	9.7	53.7	12.556	53.7*	10/19/2016	NA	6/1/2018
MW-8	arsenic	4/8/2019	33.1	53.7	12.374	53.7*	10/19/2016	NA	6/1/2018
MW-8	arsenic	10/11/2019	75.7	53.7	5.349	53.7*	10/19/2016	NA	6/1/2018
MW-8	arsenic	4/27/2020	56.2	49.3	10.069	53.7*	10/19/2016	NA	6/1/2018
MW-8	arsenic	10/9/2020	72.9	49.3	36.446	53.7*	10/19/2016	NA	6/1/2018
MW-8	arsenic	4/9/2021	95.1	49.3	56.224	53.7*	10/19/2016	NA	6/1/2018
MW-8	arsenic	6/23/2021	57.7	49.3	54.829	53.7*	10/19/2016	NA	6/1/2018
MW-8	arsenic	10/25/2021	125	49.3	53.279	53.7*	10/19/2016	NA	6/1/2018
MW-8	arsenic	4/11/2022	220	49.3	42.821	53.7*	10/19/2016	NA	6/1/2018
MW-8	arsenic	10/12/2022	360	49.3	36.516	53.7*	10/19/2016	NA	6/1/2018
MW-8	arsenic	4/6/2023	31.7	49.3	19.287	53.7*	10/19/2016	NA	6/1/2018
MW-8	arsenic	10/9/2023	165	49.3	34.306	53.7*	10/19/2016	NA	6/1/2018
MW-8	arsenic	4/4/2024	30.9	49.3	0.000	53.7*	10/19/2016	NA	6/1/2018
MW-8	arsenic	10/16/2024	33.5	49.3	0.000	53.7*	10/19/2016	NA	6/1/2018
MW-8	arsenic	4/7/2025	106	36.5	8.180	53.7*	10/19/2016	NA	6/1/2018
MW-8	arsenic	10/20/2025	122	34.9	17.004	53.7*	10/19/2016	NA	6/1/2018

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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-8	barium	4/1/2016	547	541.2513	502.530	2,000.00	10/19/2016	NA	6/1/2018
MW-8	barium	10/19/2016	871	541.2513	480.928	2,000.00	10/19/2016	NA	6/1/2018
MW-8	barium	4/17/2017	623	541.2513	525.343	2,000.00	10/19/2016	NA	6/1/2018
MW-8	barium	10/11/2017	649	541.2513	508.725	2,000.00	10/19/2016	NA	6/1/2018
MW-8	barium	6/1/2018	738	541.2513	588.606	2,000.00	10/19/2016	NA	6/1/2018
MW-8	barium	10/3/2018	220	541.2513	286.571	2,000.00	10/19/2016	NA	6/1/2018
MW-8	barium	4/8/2019	716	869.9216	294.370	2,000.00	10/19/2016	NA	6/1/2018
MW-8	barium	10/11/2019	1060	819.6279	275.676	2,000.00	10/19/2016	NA	6/1/2018
MW-8	barium	4/27/2020	680	801.777	263.330	2,000.00	10/19/2016	NA	6/1/2018
MW-8	barium	10/9/2020	920	777.1527	633.895	2,000.00	10/19/2016	NA	6/1/2018
MW-8	barium	4/9/2021	833	745.1464	685.994	2,000.00	10/19/2016	NA	6/1/2018
MW-8	barium	10/25/2021	1,160.00	721.8947	662.134	2,000.00	10/19/2016	NA	6/1/2018
MW-8	barium	4/11/2022	2,160.00	728.273	550.278	2,000.00	10/19/2016	NA	6/1/2018
MW-8	barium	10/12/2022	2,840.00	700.6661	664.792	2,000.00	10/19/2016	NA	6/1/2018
MW-8	barium	4/6/2023	399	713.488	372.688	2,000.00	10/19/2016	NA	6/1/2018
MW-8	barium	10/9/2023	1,610.00	686.9601	537.198	2,000.00	10/19/2016	NA	6/1/2018
MW-8	barium	4/4/2024	613	685.3309	537.124	2,000.00	10/19/2016	NA	6/1/2018
MW-8	barium	10/16/2024	516	661.2919	129.019	2,000.00	10/19/2016	NA	6/1/2018
MW-8	barium	4/7/2025	1,360.00	664.891	386.485	2,000.00	10/19/2016	NA	6/1/2018
MW-8	barium	10/20/2025	1,590.00	647.490	389.890	2,000.00	10/19/2016	NA	6/1/2018

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Monitoring		Sample	Each	Prediction	95% LCL	GWPS	SSI	Resamples	5th Background
Well	Compound	Date	Result (ug/L)	Limit (ug/L)	(ug/L)	Limit (ug/L)	Initial Exceedance	Due	Sample
MW-8	cadmium	4/1/2016	<0.8	1.3	0.400	5	NA	NA	6/1/2018
MW-8	cadmium	10/19/2016	<0.8	1.3	0.400	5	NA	NA	6/1/2018
MW-8	cadmium	4/17/2017	<0.8	1.3	0.400	5	NA	NA	6/1/2018
MW-8	cadmium	10/11/2017	<0.8	1.3	0.400	5	NA	NA	6/1/2018
MW-8	cadmium	6/1/2018	<0.8	1.3	0.400	5	NA	NA	6/1/2018
MW-8	cadmium	10/3/2018	1.9	1.3	0.000	5	NA	NA	6/1/2018
MW-8	cadmium	4/8/2019	<0.8	1.3	0.000	5	NA	NA	6/1/2018
MW-8	cadmium	10/11/2019	<0.8	1.3	0.000	5	NA	NA	6/1/2018
MW-8	cadmium	4/27/2020	<0.8	1.3	0.000	5	NA	NA	6/1/2018
MW-8	cadmium	10/9/2020	<0.8	4	0.400	5	NA	NA	6/1/2018
MW-8	cadmium	4/9/2021	<0.8	4	0.400	5	NA	NA	6/1/2018
MW-8	cadmium	10/25/2021	<0.8	4	0.400	5	NA	NA	6/1/2018
MW-8	cadmium	4/11/2022	0.8	4	0.327	5	NA	NA	6/1/2018
MW-8	cadmium	10/12/2022	<0.8	4	0.327	5	NA	NA	6/1/2018
MW-8	cadmium	4/6/2023	<0.8	4	0.327	5	NA	NA	6/1/2018
MW-8	cadmium	10/9/2023	<0.8	4	0.327	5	NA	NA	6/1/2018
MW-8	cadmium	4/4/2024	<0.8	1.7	0.400	5	NA	NA	6/1/2018
MW-8	cadmium	10/16/2024	<0.8	1.7	0.400	5	NA	NA	6/1/2018
MW-8	cadmium	4/7/2025	2.6	1.7	0.000	5	NA	NA	6/1/2018
MW-8	cadmium	10/20/2025	0.5	1.7	0.000	5	NA	NA	6/1/2018

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Monitoring		Sample	Each	Prediction	95% LCL	GWPS	SSI	Resamples	5th Background
Well	Compound	Date	Result (ug/L)	Limit (ug/L)	(ug/L)	Limit (ug/L)	Initial Exceedance	Due	Sample
MW-8	lead	4/1/2016	<4.0	4	2.000	15	NA	NA	6/1/2018
MW-8	lead	10/19/2016	<4.0	4	2.000	15	NA	NA	6/1/2018
MW-8	lead	4/17/2017	<4.0	4	2.000	15	NA	NA	6/1/2018
MW-8	lead	10/11/2017	<4.0	4	2.000	15	NA	NA	6/1/2018
MW-8	lead	6/1/2018	<4.0	4	2.000	15	NA	NA	6/1/2018
MW-8	lead	10/3/2018	<4.0	4	2.000	15	NA	NA	6/1/2018
MW-8	lead	4/8/2019	6.4	4	0.512	15	NA	NA	6/1/2018
MW-8	lead	10/11/2019	<4.0	4	0.512	15	NA	NA	6/1/2018
MW-8	lead	4/27/2020	<4.0	4	0.512	15	NA	NA	6/1/2018
MW-8	lead	10/9/2020	<4.0	4	0.512	15	NA	NA	6/1/2018
MW-8	lead	4/9/2021	<4.0	4	2.000	15	NA	NA	6/1/2018
MW-8	lead	10/25/2021	<4.0	4	2.000	15	NA	NA	6/1/2018
MW-8	lead	4/11/2022	6.9	4	1.103	15	NA	NA	6/1/2018
MW-8	lead	10/12/2022	<4.0	4	1.103	15	NA	NA	6/1/2018
MW-8	lead	4/6/2023	<4.0	4	1.103	15	NA	NA	6/1/2018
MW-8	lead	10/9/2023	<4.0	4	1.103	15	NA	NA	6/1/2018
MW-8	lead	4/4/2024	5.8	4	0.715	15	NA	NA	6/1/2018
MW-8	lead	10/16/2024	<4.0	4	0.715	15	NA	NA	6/1/2018
MW-8	lead	4/7/2025	1.8	4	1.224	15	NA	NA	6/1/2018
MW-8	lead	10/20/2025	<1.0	4	0.548	15	NA	NA	6/1/2018

Table 7
Summary of Ongoing & Newly Identified SSI
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Northern Plains Regional Landfill
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KEY:	SSI	SSL LCL>GWPS

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

Monitoring		Sample	Each	Prediction	95% LCL	GWPS	SSI	Resamples	5th Background
Well	Compound	Date	Result (ug/L)	Limit (ug/L)	(ug/L)	Limit (ug/L)	Initial Exceedance	Due	Sample
MW-8	selenium	4/1/2016	<4.0	4	2.000	50	NA	NA	6/1/2018
MW-8	selenium	10/19/2016	<4.0	4	2.000	50	NA	NA	6/1/2018
MW-8	selenium	4/17/2017	<4.0	4	2.000	50	NA	NA	6/1/2018
MW-8	selenium	10/11/2017	<4.0	4	2.000	50	NA	NA	6/1/2018
MW-8	selenium	6/1/2018	<4.0	4	2.000	50	NA	NA	6/1/2018
MW-8	selenium	10/3/2018	<4.0	4	2.000	50	NA	NA	6/1/2018
MW-8	selenium	4/8/2019	<4.0	4	2.000	50	NA	NA	6/1/2018
MW-8	selenium	10/11/2019	<4.0	4	2.000	50	NA	NA	6/1/2018
MW-8	selenium	4/27/2020	<4.0	4	2.000	50	NA	NA	6/1/2018
MW-8	selenium	10/9/2020	<4.0	4	2.000	50	NA	NA	6/1/2018
MW-8	selenium	4/9/2021	<4.0	4	2.000	50	NA	NA	6/1/2018
MW-8	selenium	10/25/2021	<4.0	4	2.000	50	NA	NA	6/1/2018
MW-8	selenium	4/11/2022	7.8	4	0.039	50	NA	NA	6/1/2018
MW-8	selenium	10/12/2022	<4.0	4	0.039	50	NA	NA	6/1/2018
MW-8	selenium	4/6/2023	<4.0	4	0.039	50	NA	NA	6/1/2018
MW-8	selenium	10/9/2023	<4.0	4	0.039	50	NA	NA	6/1/2018
MW-8	selenium	4/4/2024	4.2	4	1.256	50	NA	NA	6/1/2018
MW-8	selenium	10/16/2024	<4.0	4	1.256	50	NA	NA	6/1/2018
MW-8	selenium	4/7/2025	<2.0	4	1.256	50	NA	NA	6/1/2018
MW-8	selenium	10/20/2025	<2.0	4	0.793	50	NA	NA	6/1/2018

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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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-10	cadmium	4/1/2016	<0.8	1.3	0.400	5	NA	NA	6/1/2018
MW-10	cadmium	10/19/2016	<0.8	1.3	0.400	5	NA	NA	6/1/2018
MW-10	cadmium	4/17/2017	<0.8	1.3	0.400	5	NA	NA	6/1/2018
MW-10	cadmium	10/11/2017	<0.8	1.3	0.400	5	NA	NA	6/1/2018
MW-10	cadmium	6/1/2018	<0.8	1.3	0.400	5	NA	NA	6/1/2018
MW-10	cadmium	10/3/2018	8.6	1.3	0.000	5	NA	NA	6/1/2018
MW-10	cadmium	4/8/2019	<0.8	1.3	0.000	5	NA	NA	6/1/2018
MW-10	cadmium	10/11/2019	<0.8	1.3	0.000	5	NA	NA	6/1/2018
MW-10	cadmium	4/27/2020	<0.8	1.3	0.000	5	NA	NA	6/1/2018
MW-10	cadmium	10/9/2020	<0.8	4	0.400	5	NA	NA	6/1/2018
MW-10	cadmium	4/9/2021	1.7	4	0.162	5	NA	NA	6/1/2018
MW-10	cadmium	10/25/2021	<0.8	4	0.162	5	NA	NA	6/1/2018
MW-10	cadmium	4/11/2022	<0.8	4	0.162	5	NA	NA	6/1/2018
MW-10	cadmium	10/12/2022	<0.8	4	0.162	5	NA	NA	6/1/2018
MW-10	cadmium	4/6/2023	<0.8	4	0.400	5	NA	NA	6/1/2018
MW-10	cadmium	10/9/2023	<0.8	4	0.400	5	NA	NA	6/1/2018
MW-10	cadmium	4/4/2024	<0.8	1.7	0.400	5	NA	NA	6/1/2018
MW-10	cadmium	10/16/2024	4	1.7	0.000	5	NA	NA	6/1/2018
MW-10	cadmium	4/7/2025	0.7	1.7	0.000	5	NA	NA	6/1/2018
MW-10	cadmium	10/20/2025	0.7	1.7	0.000	5	NA	NA	6/1/2018

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Summary of Ongoing & Newly Identified SSI

KEY:

SSI

SSL LCL>GWPS

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Annual Water Quality Report

Northern Plains Regional Landfill

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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-10	cobalt	4/1/2016	<0.8	1	1.329	4.0*	NA	NA	6/1/2018
MW-10	cobalt	10/19/2016	<0.8	1	1.329	4.0*	NA	NA	6/1/2018
MW-10	cobalt	4/17/2017	1.8	1	1.832	4.0*	NA	NA	6/1/2018
MW-10	cobalt	10/11/2017	<0.8	1	1.832	4.0*	NA	NA	6/1/2018
MW-10	cobalt	6/1/2018	<0.8	1	1.832	4.0*	NA	NA	6/1/2018
MW-10	cobalt	10/3/2018	2.1	1	1.827	4.0*	NA	NA	6/1/2018
MW-10	cobalt	4/8/2019	<0.8	4	1.966	4.0*	NA	NA	6/1/2018
MW-10	cobalt	10/11/2019	0.9	4	1.081	4.0*	NA	NA	6/1/2018
MW-10	cobalt	4/27/2020	3.4	4	0.897	4.0*	NA	NA	6/1/2018
MW-10	cobalt	10/9/2020	10.8	4	0.000	4.0*	NA	NA	6/1/2018
MW-10	cobalt	4/9/2021	<0.4	4	0.000	4.0*	NA	NA	6/1/2018
MW-10	cobalt	10/25/2021	<0.4	4	0.000	4.0*	NA	NA	6/1/2018
MW-10	cobalt	4/11/2022	1.6	4	0.000	4.0*	NA	NA	6/1/2018
MW-10	cobalt	10/12/2022	2.3	4	1.637	4.0*	NA	NA	6/1/2018
MW-10	cobalt	4/6/2023	<0.4	4	1.637	4.0*	NA	NA	6/1/2018
MW-10	cobalt	10/9/2023	0.8	4	0.910	4.0*	NA	NA	6/1/2018
MW-10	cobalt	4/4/2024	<0.4	4	0.000	4.0*	NA	NA	6/1/2018
MW-10	cobalt	10/16/2024	1	4	0.297	4.0*	NA	NA	6/1/2018
MW-10	cobalt	4/7/2025	<0.5	4	0.297	4.0*	NA	NA	6/1/2018
MW-10	cobalt	10/20/2025	<0.5	4	0.197	4.0*	NA	NA	6/1/2018

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-10	copper	4/1/2016	9.3	8.4	1.825	1,300.00	10/11/2019	NA	6/1/2018
MW-10	copper	10/19/2016	5.3	8.4	0.000	1,300.00	10/11/2019	NA	6/1/2018
MW-10	copper	4/17/2017	<4.0	8.4	0.000	1,300.00	10/11/2019	NA	6/1/2018
MW-10	copper	10/11/2017	<4.0	8.4	0.570	1,300.00	10/11/2019	NA	6/1/2018
MW-10	copper	6/1/2018	<4.0	8.4	0.884	1,300.00	10/11/2019	NA	6/1/2018
MW-10	copper	10/3/2018	4.6	8.4	1.121	1,300.00	10/11/2019	NA	6/1/2018
MW-10	copper	4/8/2019	20.3	8.4	0.000	1,300.00	10/11/2019	NA	6/1/2018
MW-10	copper	10/11/2019	8.6	8.4	0.000	1,300.00	10/11/2019	NA	6/1/2018
MW-10	copper	4/27/2020	<4.0	8.4	0.000	1,300.00	10/11/2019	NA	6/1/2018
MW-10	copper	10/9/2020	<4.0	8.4	0.000	1,300.00	10/11/2019	NA	6/1/2018
MW-10	copper	4/9/2021	11.9	8.4	0.302	1,300.00	10/11/2019	NA	6/1/2018
MW-10	copper	10/25/2021	<4.0	8.4	0.000	1,300.00	10/11/2019	NA	6/1/2018
MW-10	copper	4/11/2022	<4.0	8.4	0.000	1,300.00	10/11/2019	NA	6/1/2018
MW-10	copper	10/12/2022	<4.0	8.4	0.000	1,300.00	10/11/2019	NA	6/1/2018
MW-10	copper	4/6/2023	<4.0	8.4	2.000	1,300.00	10/11/2019	NA	6/1/2018
MW-10	copper	10/9/2023	18.2	8.4	0.000	1,300.00	10/11/2019	NA	6/1/2018
MW-10	copper	4/4/2024	13.9	23.9	0.000	1,300.00	10/11/2019	NA	6/1/2018
MW-10	copper	10/16/2024	29.5	8.4	2.532	1,300.00	10/11/2019	NA	6/1/2018
MW-10	copper	4/7/2025	13.2	8.4	9.841	1,300.00	10/11/2019	NA	6/1/2018
MW-10	copper	10/20/2025	<5.0	8.4	1.356	1,300.00	10/11/2019	NA	6/1/2018

Table 7

Summary of Ongoing & Newly Identified 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	Resamples Due	5th Background Sample
							Initial Exceedance		
MW-10	nickel	4/1/2016	<4.0	13.0651	0.000	100	NA	NA	6/1/2018
MW-10	nickel	10/19/2016	5.1	13.0651	0.000	100	NA	NA	6/1/2018
MW-10	nickel	4/17/2017	16.8	13.0651	0.000	100	NA	NA	6/1/2018
MW-10	nickel	10/11/2017	<4.0	13.0651	0.000	100	NA	NA	6/1/2018
MW-10	nickel	6/1/2018	12.7	13.0651	1.153	100	NA	NA	6/1/2018
MW-10	nickel	10/3/2018	4.8	13.0651	1.007	100	NA	NA	6/1/2018
MW-10	nickel	4/8/2019	<4.0	13.25	0.000	100	NA	NA	6/1/2018
MW-10	nickel	10/11/2019	14.1	13	1.444	100	NA	NA	6/1/2018
MW-10	nickel	4/27/2020	19.0	12.6	0.642	100	NA	NA	6/1/2018
MW-10	nickel	10/9/2020	16.9	12.6	4.057	100	NA	NA	6/1/2018
MW-10	nickel	4/9/2021	5.0	12.6	6.493	100	NA	NA	6/1/2018
MW-10	nickel	10/25/2021	<4.0	12.6	0.755	100	NA	NA	6/1/2018
MW-10	nickel	4/11/2022	11.1	15.6	0.960	100	NA	NA	6/1/2018
MW-10	nickel	10/12/2022	<4.0	15.6	0.000	100	NA	NA	6/1/2018
MW-10	nickel	4/6/2023	<4.0	15.6	0.000	100	NA	NA	6/1/2018
MW-10	nickel	10/9/2023	5.4	17.1	0.074	100	NA	NA	6/1/2018
MW-10	nickel	4/4/2024	<4.0	17.1	0.850	100	NA	NA	6/1/2018
MW-10	nickel	10/16/2024	25.9	17.1	0.000	100	NA	NA	6/1/2018
MW-10	nickel	4/7/2025	<5.0	17.1	0.000	100	NA	NA	6/1/2018
MW-10	nickel	10/20/2025	<5.0	17.1	0.000	100	NA	NA	6/1/2018

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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-10	Bis(2ethylhexyl)phthalate	4/1/2016	---	6	---	6	NA	NA	6/1/2018
MW-10	Bis(2ethylhexyl)phthalate	10/19/2016	---	6	---	6	NA	NA	6/1/2018
MW-10	Bis(2ethylhexyl)phthalate	4/17/2017	<6.0	6	---	6	NA	NA	6/1/2018
MW-10	Bis(2ethylhexyl)phthalate	10/11/2017	---	6	---	6	NA	NA	6/1/2018
MW-10	Bis(2ethylhexyl)phthalate	6/1/2018	7.0	6	---	6	NA	NA	6/1/2018
MW-10	Bis(2ethylhexyl)phthalate	10/3/2018	---	6	---	6	NA	NA	6/1/2018
MW-10	Bis(2ethylhexyl)phthalate	4/8/2019	<6.0	6	---	6	NA	NA	6/1/2018
MW-10	Bis(2ethylhexyl)phthalate	10/11/2019	<6.0	6	1.647	6	NA	NA	6/1/2018
MW-10	Bis(2ethylhexyl)phthalate	4/27/2020	<6.0	6	1.647	6	NA	NA	6/1/2018
MW-10	Bis(2ethylhexyl)phthalate	10/9/2020	<6.0	6	3.000	6	NA	NA	6/1/2018
MW-10	Bis(2ethylhexyl)phthalate	4/9/2021	---	6	3.000	6	NA	NA	6/1/2018
MW-10	Bis(2ethylhexyl)phthalate	10/25/2021	---	6	3.000	6	NA	NA	6/1/2018
MW-10	Bis(2ethylhexyl)phthalate	4/11/2022	---	6	3.000	6	NA	NA	6/1/2018
MW-10	Bis(2ethylhexyl)phthalate	10/12/2022	---	6	3.000	6	NA	NA	6/1/2018
MW-10	Bis(2ethylhexyl)phthalate	4/6/2023	---	6	3.000	6	NA	NA	6/1/2018
MW-10	Bis(2ethylhexyl)phthalate	10/9/2023	---	6	3.000	6	NA	NA	6/1/2018
MW-10	Bis(2ethylhexyl)phthalate	4/4/2024	<6.0	6	3.000	6	NA	NA	6/1/2018
MW-10	Bis(2ethylhexyl)phthalate	10/16/2024	---	6	3.000	6	NA	NA	6/1/2018
MW-10	Bis(2ethylhexyl)phthalate	4/7/2025	---	6	3.000	6	NA	NA	6/1/2018
MW-10	Bis(2ethylhexyl)phthalate	10/20/2025	---	6	3.000	6	NA	NA	6/1/2018

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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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	4/1/2016	76.8	53.7	0.000	53.7*	NA	NA	6/1/2018
MW-14	arsenic	10/19/2016	16.3	53.7	0.000	53.7*	NA	NA	6/1/2018
MW-14	arsenic	4/17/2017	68.9	53.7	21.640	53.7*	NA	NA	6/1/2018
MW-14	arsenic	10/11/2017	11.1	53.7	2.848	53.7*	NA	NA	6/1/2018
MW-14	arsenic	6/1/2018	55.2	53.7	4.293	53.7*	NA	NA	6/1/2018
MW-14	arsenic	10/3/2018	27.6	53.7	9.927	53.7*	NA	NA	6/1/2018
MW-14	arsenic	4/8/2019	18.6	53.7	5.459	53.7*	NA	NA	6/1/2018
MW-14	arsenic	10/11/2019	13.7	53.7	6.795	53.7*	NA	NA	6/1/2018
MW-14	arsenic	4/27/2020	46.6	49.3	9.560	53.7*	NA	NA	6/1/2018
MW-14	arsenic	10/9/2020	18.8	49.3	6.816	53.7*	NA	NA	6/1/2018
MW-14	arsenic	4/9/2021	10.8	49.3	3.161	53.7*	NA	NA	6/1/2018
MW-14	arsenic	10/25/2021	7.2	49.3	0.000	53.7*	NA	NA	6/1/2018
MW-14	arsenic	4/11/2022	61.2	49.3	0.000	53.7*	NA	NA	6/1/2018
MW-14	arsenic	10/12/2022	34.3	49.3	0.000	53.7*	NA	NA	6/1/2018
MW-14	arsenic	4/6/2023	4.7	49.3	0.000	53.7*	NA	NA	6/1/2018
MW-14	arsenic	10/9/2023	17.9	49.3	0.892	53.7*	NA	NA	6/1/2018
MW-14	arsenic	4/4/2024	<4.0	49.3	0.000	53.7*	NA	NA	6/1/2018
MW-14	arsenic	10/16/2024	22.5	49.3	0.048	53.7*	NA	NA	6/1/2018
MW-14	arsenic	4/7/2025	3.1	36.5	0.000	53.7*	NA	NA	6/1/2018
MW-14	arsenic	10/20/2025	29.8	34.9	0.000	53.7*	NA	NA	6/1/2018

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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	4/1/2016	1690	541.2513	469.188	2,000.00	10/19/2016	NA	6/1/2018
MW-14	barium	10/19/2016	1190	541.2513	495.116	2,000.00	10/19/2016	NA	6/1/2018
MW-14	barium	4/17/2017	1790	541.2513	914.293	2,000.00	10/19/2016	NA	6/1/2018
MW-14	barium	10/11/2017	1320	541.2513	1158.836	2,000.00	10/19/2016	NA	6/1/2018
MW-14	barium	6/1/2018	1620	541.2513	1157.574	2,000.00	10/19/2016	NA	6/1/2018
MW-14	barium	10/3/2018	1100	541.2513	1095.787	2,000.00	10/19/2016	NA	6/1/2018
MW-14	barium	4/8/2019	1070	869.9216	978.625	2,000.00	10/19/2016	NA	6/1/2018
MW-14	barium	10/11/2019	1000	819.6279	862.533	2,000.00	10/19/2016	NA	6/1/2018
MW-14	barium	4/27/2020	1170	801.777	1002.102	2,000.00	10/19/2016	NA	6/1/2018
MW-14	barium	10/9/2020	1630	777.1527	883.775	2,000.00	10/19/2016	NA	6/1/2018
MW-14	barium	4/9/2021	592	745.1464	592.585	2,000.00	10/19/2016	NA	6/1/2018
MW-14	barium	10/25/2021	612	721.8947	415.684	2,000.00	10/19/2016	NA	6/1/2018
MW-14	barium	4/11/2022	1080	728.273	402.856	2,000.00	10/19/2016	NA	6/1/2018
MW-14	barium	10/12/2022	1660	700.6661	394.64	2,000.00	10/19/2016	NA	6/1/2018
MW-14	barium	4/6/2023	411	713.4888	287.434	2,000.00	10/19/2016	NA	6/1/2018
MW-14	barium	10/9/2023	1430	686.9601	504.764	2,000.00	10/19/2016	NA	6/1/2018
MW-14	barium	4/4/2024	53.7	685.3309	0.000	2,000.00	10/19/2016	NA	6/1/2018
MW-14	barium	10/16/2024	1370	661.2919	4.326	2,000.00	10/19/2016	NA	6/1/2018
MW-14	barium	4/7/2025	236	664.891	0.000	2,000.00	10/19/2016	NA	6/1/2018
MW-14	barium	10/20/2025	1630	647.490	0.000	2,000.00	10/19/2016	NA	6/1/2018

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Northern Plains Regional Landfill
Permit No. 74-SDP-02-76P

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-14	cadmium	4/1/2016	<0.8	1.3	0.4	5	NA	NA	6/1/2018
MW-14	cadmium	10/19/2016	3.7	1.3	0	5	NA	NA	6/1/2018
MW-14	cadmium	4/17/2017	<0.8	1.3	0	5	NA	NA	6/1/2018
MW-14	cadmium	10/11/2017	<0.8	1.3	0	5	NA	NA	6/1/2018
MW-14	cadmium	6/1/2018	<0.8	1.3	0	5	NA	NA	6/1/2018
MW-14	cadmium	10/3/2018	<0.8	1.3	0.4	5	NA	NA	6/1/2018
MW-14	cadmium	4/8/2019	<0.8	1.3	0.4	5	NA	NA	6/1/2018
MW-14	cadmium	10/11/2019	<0.8	1.3	0.4	5	NA	NA	6/1/2018
MW-14	cadmium	4/27/2020	<0.8	1.3	0.4	5	NA	NA	6/1/2018
MW-14	cadmium	10/9/2020	<0.8	4	0.4	5	NA	NA	6/1/2018
MW-14	cadmium	4/9/2021	<0.8	4	0.4	5	NA	NA	6/1/2018
MW-14	cadmium	10/25/2021	<0.8	4	0.4	5	NA	NA	6/1/2018
MW-14	cadmium	4/11/2022	2.2	4	0.071	5	NA	NA	6/1/2018
MW-14	cadmium	10/12/2022	<0.8	4	0.071	5	NA	NA	6/1/2018
MW-14	cadmium	4/6/2023	<0.8	4	0.071	5	NA	NA	6/1/2018
MW-14	cadmium	10/9/2023	<0.8	4	0.071	5	NA	NA	6/1/2018
MW-14	cadmium	4/4/2024	1	1.7	0.071	5	NA	NA	6/1/2018
MW-14	cadmium	10/16/2024	<0.8	1.7	0.197	5	NA	NA	6/1/2018
MW-14	cadmium	4/7/2025	<0.2	1.7	0.197	5	NA	NA	6/1/2018
MW-14	cadmium	10/20/2025	3.2	1.7	0.000	5	NA	NA	6/1/2018

Table 7

KEY:	SSI	SSL LCL>GWPS

Summary of Ongoing & Newly Identified SSI

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

Annual Water Quality Report
Northern Plains Regional Landfill
Permit No. 74-SDP-02-76P

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	4/1/2016	9.4	1	4.481	4.0*	10/19/2016	NA	6/1/2018
MW-14	cobalt	10/19/2016	4.1	1	4.01	4.0*	10/19/2016	NA	6/1/2018
MW-14	cobalt	4/17/2017	9.2	1	4.552	4.0*	10/19/2016	NA	6/1/2018
MW-14	cobalt	10/11/2017	4.6	1	3.453	4.0*	10/19/2016	NA	6/1/2018
MW-14	cobalt	6/1/2018	5.4	1	3.104	4.0*	10/19/2016	NA	6/1/2018
MW-14	cobalt	10/3/2018	3.1	1	2.519	4.0*	10/19/2016	NA	6/1/2018
MW-14	cobalt	4/8/2019	4.7	4	3.312	4.0*	10/19/2016	NA	6/1/2018
MW-14	cobalt	10/11/2019	3.2	4	2.766	4.0*	10/19/2016	NA	6/1/2018
MW-14	cobalt	4/27/2020	5.6	4	2.724	4.0*	10/19/2016	NA	6/1/2018
MW-14	cobalt	10/9/2020	2.4	4	2.278	4.0*	10/19/2016	NA	6/1/2018
MW-14	cobalt	4/9/2021	1.3	4	0.979	4.0*	10/19/2016	NA	6/1/2018
MW-14	cobalt	10/25/2021	1.1	4	0.153	4.0*	10/19/2016	NA	6/1/2018
MW-14	cobalt	4/11/2022	3.1	4	0.866	4.0*	10/19/2016	NA	6/1/2018
MW-14	cobalt	10/12/2022	4.1	4	0.698	4.0*	10/19/2016	NA	6/1/2018
MW-14	cobalt	4/6/2023	0.9	4	0.468	4.0*	10/19/2016	NA	6/1/2018
MW-14	cobalt	10/9/2023	2.1	4	0.939	4.0*	10/19/2016	NA	6/1/2018
MW-14	cobalt	4/4/2024	<0.4	4	0.000	4.0*	10/19/2016	NA	6/1/2018
MW-14	cobalt	10/16/2024	1.7	4	0.230	4.0*	10/19/2016	NA	6/1/2018
MW-14	cobalt	4/7/2025	<0.4	4	0.000	4.0*	10/19/2016	NA	6/1/2018
MW-14	cobalt	10/20/2025	2.3	4	0.000	4.0*	10/19/2016	NA	6/1/2018

Table 7

Summary of Ongoing & Newly Identified SSI

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

Annual Water Quality Report
Northern Plains Regional Landfill
Permit No. 74-SDP-02-76P

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-14	nickel	4/1/2016	14	13.0651	14.095	100	10/11/2017	NA	6/1/2018
MW-14	nickel	10/19/2016	12.1	13.0651	11.798	100	10/11/2017	NA	6/1/2018
MW-14	nickel	4/17/2017	15.6	13.0651	12.175	100	10/11/2017	NA	6/1/2018
MW-14	nickel	10/11/2017	16.6	13.0651	12.261	100	10/11/2017	NA	6/1/2018
MW-14	nickel	6/1/2018	13.1	13.0651	11.878	100	10/11/2017	NA	6/1/2018
MW-14	nickel	10/3/2018	13.6	13.0651	12.782	100	10/11/2017	NA	6/1/2018
MW-14	nickel	4/8/2019	12.5	13.25	11.806	100	10/11/2017	NA	6/1/2018
MW-14	nickel	10/11/2019	12.7	13	12.404	100	10/11/2017	NA	6/1/2018
MW-14	nickel	4/27/2020	15	12.6	12.111	100	10/11/2017	NA	6/1/2018
MW-14	nickel	10/9/2020	12.5	12.6	11.74	100	10/11/2017	NA	6/1/2018
MW-14	nickel	4/9/2021	10.6	12.6	10.581	100	10/11/2017	NA	6/1/2018
MW-14	nickel	10/25/2021	11.8	12.6	10.29	100	10/11/2017	NA	6/1/2018
MW-14	nickel	4/11/2022	11.2	15.6	10.568	100	10/11/2017	NA	6/1/2018
MW-14	nickel	10/12/2022	13.8	15.6	10.216	100	10/11/2017	NA	6/1/2018
MW-14	nickel	4/6/2023	8.9	15.6	9.052	100	10/11/2017	NA	6/1/2018
MW-14	nickel	10/9/2023	11.4	17.1	8.97	100	10/11/2017	NA	6/1/2018
MW-14	nickel	4/4/2024	<4.0	17.1	3.034	100	10/11/2017	NA	6/1/2018
MW-14	nickel	10/16/2024	7.8	17.1	2.844	100	10/11/2017	NA	6/1/2018
MW-14	nickel	4/7/2025	<5.0	17.1	0.357	100	10/11/2017	NA	6/1/2018
MW-14	nickel	10/20/2025	11.6	17.1	0.311	100	10/11/2017	NA	6/1/2018

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Northern Plains Regional Landfill
Permit No. 74-SDP-02-76P

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-14	benzene	4/1/2016	<1.0	1	0.229	5	NA	NA	6/1/2018
MW-14	benzene	10/19/2016	<1.0	1	0.229	5	NA	NA	6/1/2018
MW-14	benzene	4/17/2017	1.2	1	0.363	5	NA	NA	6/1/2018
MW-14	benzene	10/11/2017	<1.0	1	0.263	5	NA	NA	6/1/2018
MW-14	benzene	6/1/2018	1.6	1	0.309	5	NA	NA	6/1/2018
MW-14	benzene	10/3/2018	1.0	1	0.537	5	NA	NA	6/1/2018
MW-14	benzene	4/8/2019	<1.0	1	0.285	5	NA	NA	6/1/2018
MW-14	benzene	10/11/2019	<1.0	1	0.285	5	NA	NA	6/1/2018
MW-14	benzene	4/27/2020	1.0	1	0.410	5	NA	NA	6/1/2018
MW-14	benzene	10/9/2020	1.9	1	0.198	5	NA	NA	6/1/2018
MW-14	benzene	4/9/2021	<1.0	1	0.198	5	NA	NA	6/1/2018
MW-14	benzene	10/25/2021	<1.0	1	0.198	5	NA	NA	6/1/2018
MW-14	benzene	4/11/2022	<1.0	1	0.244	5	NA	NA	6/1/2018
MW-14	benzene	10/12/2022	1.9	1	0.244	5	NA	NA	6/1/2018
MW-14	benzene	4/6/2023	<1.0	1	0.244	5	NA	NA	6/1/2018
MW-14	benzene	10/9/2023	<1.0	1	0.244	5	NA	NA	6/1/2018
MW-14	benzene	4/4/2024	<1.0	1	0.244	5	NA	NA	6/1/2018
MW-14	benzene	10/16/2024	<1.0	1	0.500	5	NA	NA	6/1/2018
MW-14	benzene	4/7/2025	<1.0	1	0.500	5	NA	NA	6/1/2018
MW-14	benzene	10/20/2025	1.3	1	0.354	5	NA	NA	6/1/2018

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
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Northern Plains Regional Landfill
Permit No. 74-SDP-02-76P

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-15	cobalt	4/1/2016	1.2	1.0	1.057	4.0*	NA	NA	6/1/2018
MW-15	cobalt	10/19/2016	<0.8	1.0	1.329	4.0*	NA	NA	6/1/2018
MW-15	cobalt	4/17/2017	2.3	1.0	1.320	4.0*	NA	NA	6/1/2018
MW-15	cobalt	10/11/2017	0.8	1.0	0.758	4.0*	NA	NA	6/1/2018
MW-15	cobalt	6/1/2018	0.8	1.0	0.547	4.0*	NA	NA	6/1/2018
MW-15	cobalt	10/3/2018	1.0	1.0	0.375	4.0*	NA	NA	6/1/2018
MW-15	cobalt	4/8/2019	2.4	4.0	0.341	4.0*	NA	NA	6/1/2018
MW-15	cobalt	10/11/2019	0.9	4.0	0.388	4.0*	NA	NA	6/1/2018
MW-15	cobalt	4/27/2020	0.5	4.0	0.225	4.0*	NA	NA	6/1/2018
MW-15	cobalt	10/9/2020	0.4	4.0	0.000	4.0*	NA	NA	6/1/2018
MW-15	cobalt	4/9/2021	0.5	4.0	0.314	4.0*	NA	NA	6/1/2018
MW-15	cobalt	10/25/2021	0.4	4.0	0.382	4.0*	NA	NA	6/1/2018
MW-15	cobalt	4/11/2022	2.1	4.0	0.000	4.0*	NA	NA	6/1/2018
MW-15	cobalt	10/12/2022	2.7	4.0	0.069	4.0*	NA	NA	6/1/2018
MW-15	cobalt	4/6/2023	0.4	4.0	0.012	4.0*	NA	NA	6/1/2018
MW-15	cobalt	10/9/2023	0.9	4.0	0.279	4.0*	NA	NA	6/1/2018
MW-15	cobalt	4/4/2024	0.4	4.0	0.000	4.0*	NA	NA	6/1/2018
MW-15	cobalt	10/16/2024	0.6	4.0	0.297	4.0*	NA	NA	6/1/2018
MW-15	cobalt	4/7/2025	<0.5	4.0	0.297	4.0*	NA	NA	6/1/2018
MW-15	cobalt	10/20/2025	0.5	4.0	0.362	4.0*	NA	NA	6/1/2018

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Northern Plains Regional Landfill
Permit No. 74-SDP-02-76P

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-15	nickel	4/1/2016	18.8	13.1	23.817	100	10/19/2016	NA	6/1/2018
MW-15	nickel	10/19/2016	24.7	13.1	16.426	100	10/19/2016	NA	6/1/2018
MW-15	nickel	4/17/2017	20.2	13.1	10.688	100	10/19/2016	NA	6/1/2018
MW-15	nickel	10/11/2017	16.5	13.1	15.986	100	10/19/2016	NA	6/1/2018
MW-15	nickel	6/1/2018	32.2	13.1	15.452	100	10/19/2016	NA	6/1/2018
MW-15	nickel	10/3/2018	34.8	13.1	15.409	100	10/19/2016	NA	6/1/2018
MW-15	nickel	4/8/2019	14.3	13.3	12.049	100	10/19/2016	NA	6/1/2018
MW-15	nickel	10/11/2019	18.8	13.0	13.246	100	10/19/2016	NA	6/1/2018
MW-15	nickel	4/27/2020	15.1	12.6	9.493	100	10/19/2016	NA	6/1/2018
MW-15	nickel	10/9/2020	29.7	12.6	11.132	100	10/19/2016	NA	6/1/2018
MW-15	nickel	4/9/2021	17.7	12.6	12.750	100	10/19/2016	NA	6/1/2018
MW-15	nickel	10/25/2021	16.2	12.6	11.714	100	10/19/2016	NA	6/1/2018
MW-15	nickel	4/11/2022	13.7	15.6	10.961	100	10/19/2016	NA	6/1/2018
MW-15	nickel	10/12/2022	34.2	15.6	9.494	100	10/19/2016	NA	6/1/2018
MW-15	nickel	4/6/2023	14.4	15.6	8.128	100	10/19/2016	NA	6/1/2018
MW-15	nickel	10/9/2023	47.6	17.1	8.135	100	10/19/2016	NA	6/1/2018
MW-15	nickel	4/4/2024	17.6	17.1	10.292	100	10/19/2016	NA	6/1/2018
MW-15	nickel	10/16/2024	28.9	17.1	9.480	100	10/19/2016	NA	6/1/2018
MW-15	nickel	4/7/2025	16.0	17.1	10.395	100	10/19/2016	NA	6/1/2018
MW-15	nickel	10/20/2025	20.2	17.1	13.911	100	10/19/2016	NA	6/1/2018

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
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Northern Plains Regional Landfill
Permit No. 74-SDP-02-76P

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-16	barium	4/1/2016	602	541.2513	---	2000	NA	NA	6/1/2018
MW-16	barium	10/19/2016	525	541.2513	---	2000	NA	NA	6/1/2018
MW-16	barium	4/17/2017	414	541.2513	---	2000	NA	NA	6/1/2018
MW-16	barium	10/11/2017	286	541.2513	---	2000	NA	NA	6/1/2018
MW-16	barium	6/1/2018	528	541.2513	---	2000	NA	NA	6/1/2018
MW-16	barium	10/3/2018	274	541.2513	---	2000	NA	NA	6/1/2018
MW-16	barium	4/8/2019	241	869.9216	---	2000	NA	NA	6/1/2018
MW-16	barium	10/11/2019	236	819.6279	---	2000	NA	NA	6/1/2018
MW-16	barium	4/27/2020	420	801.777	---	2000	NA	NA	6/1/2018
MW-16	barium	10/9/2020	264	777.1527	---	2000	NA	NA	6/1/2018
MW-16	barium	4/9/2021	526	745.1464	---	2000	NA	NA	6/1/2018
MW-16	barium	10/25/2021	450	721.8947	---	2000	NA	NA	6/1/2018
MW-16	barium	4/11/2022	557	728.273	---	2000	NA	NA	6/1/2018
MW-16	barium	10/12/2022	350	700.6661	---	2000	NA	NA	6/1/2018
MW-16	barium	4/6/2023	548	713.4888	---	2000	NA	NA	6/1/2018
MW-16	barium	10/9/2023	321	686.9601	---	2000	NA	NA	6/1/2018
MW-16	barium	4/4/2024	974	685.3309	193.923	2000	NA	NA	6/1/2018
MW-16	barium	10/16/2024	869	661.2919	326.13	2000	NA	NA	6/1/2018
MW-16	barium	4/7/2025	564	664.891	332.741	2000	NA	NA	6/1/2018
MW-16	barium	10/20/2025	346	647.490	350.799	2000	NA	NA	6/1/2018

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Northern Plains Regional Landfill
Permit No. 74-SDP-02-76P

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-16	nickel	4/1/2016	16	13.0651	---	100	NA	NA	6/1/2018
MW-16	nickel	10/19/2016	11.2	13.0651	---	100	NA	NA	6/1/2018
MW-16	nickel	4/17/2017	12.8	13.0651	---	100	NA	NA	6/1/2018
MW-16	nickel	10/11/2017	9	13.0651	9.669	100	NA	NA	6/1/2018
MW-16	nickel	6/1/2018	11.3	13.0651	9.720	100	NA	NA	6/1/2018
MW-16	nickel	10/3/2018	8	13.0651	8.389	100	NA	NA	6/1/2018
MW-16	nickel	4/8/2019	5.6	13.25	6.429	100	NA	NA	6/1/2018
MW-16	nickel	10/11/2019	7.2	13	5.946	100	NA	NA	6/1/2018
MW-16	nickel	4/27/2020	12.1	12.6	5.827	100	NA	NA	6/1/2018
MW-16	nickel	10/9/2020	8.7	12.6	5.999	100	NA	NA	6/1/2018
MW-16	nickel	4/9/2021	14.1	12.6	6.827	100	NA	NA	6/1/2018
MW-16	nickel	6/23/2021	12.2	12.6	9.829	100	NA	NA	6/1/2018
MW-16	nickel	10/25/2021	14.4	12.6	9.267	100	NA	NA	6/1/2018
MW-16	nickel	1/13/2022	14.8	12.6	12.877	100	NA	NA	6/1/2018
MW-16	nickel	4/11/2022	12.1	15.6	11.699	100	NA	NA	6/1/2018
MW-16	nickel	10/12/2022	11.2	15.6	11.066	100	NA	NA	6/1/2018
MW-16	nickel	4/6/2023	14.4	15.6	11.066	100	NA	NA	6/1/2018
MW-16	nickel	10/9/2023	11.5	17.1	10.595	100	NA	NA	6/1/2018
MW-16	nickel	4/4/2024	14.5	17.1	10.789	100	NA	NA	6/1/2018
MW-16	nickel	10/16/2024	31.3	17.1	7.310	100	NA	NA	6/1/2018
MW-16	nickel	4/7/2025	12.5	17.1	6.490	100	NA	NA	6/1/2018
MW-16	nickel	10/20/2025	9.4	17.1	5.385	100	NA	NA	6/1/2018

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
Northern Plains Regional Landfill
Permit No. 74-SDP-02-76P

KEY:	SSI	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-8	arsenic	4/1/2016	63.5	115.402	53.7*	4/9/2021	NA	NA	NA
MW-8	arsenic	10/19/2016	107	108.267	53.7*	4/9/2021	NA	NA	NA
MW-8	arsenic	4/17/2017	55.9	107.056	53.7*	4/9/2021	NA	NA	NA
MW-8	arsenic	10/11/2017	47.2	99.667	53.7*	4/9/2021	NA	NA	NA
MW-8	arsenic	6/1/2018	32.5	98.731	53.7*	4/9/2021	NA	NA	NA
MW-8	arsenic	10/3/2018	9.7	60.094	53.7*	4/9/2021	NA	NA	NA
MW-8	arsenic	4/8/2019	33.1	48.876	53.7*	4/9/2021	NA	NA	NA
MW-8	arsenic	10/11/2019	75.7	70.151	53.7*	4/9/2021	NA	NA	NA
MW-8	arsenic	4/27/2020	56.2	77.281	53.7*	4/9/2021	NA	NA	NA
MW-8	arsenic	10/9/2020	72.9	82.504	53.7*	4/9/2021	NA	NA	NA
MW-8	arsenic	4/9/2021	95.1	93.726	53.7*	4/9/2021	NA	NA	decreasing
MW-8	arsenic	6/23/2021	57.7	86.121	53.7*	4/9/2021	NA	NA	decreasing
MW-8	arsenic	10/25/2021	125	122.071	53.7*	4/9/2021	NA	NA	decreasing
MW-8	arsenic	4/11/2022	220	206.079	53.7*	4/9/2021	NA	NA	decreasing
MW-8	arsenic	10/12/2022	360	344.834	53.7*	4/9/2021	NA	NA	decreasing
MW-8	arsenic	4/6/2023	31.7	349.063	53.7*	4/9/2021	NA	NA	decreasing
MW-8	arsenic	10/9/2023	165	354.044	53.7*	4/9/2021	NA	NA	decreasing
MW-8	arsenic	4/4/2024	30.9	329.719	53.7*	4/9/2021	NA	NA	decreasing
MW-8	arsenic	10/16/2024	33.5	143.489	53.7*	4/9/2021	NA	NA	decreasing
MW-8	arsenic	4/7/2025	106	159.520	53.7*	4/9/2021	NA	NA	decreasing
MW-8	arsenic	10/20/2025	122	129.196	53.7*	4/9/2021	NA	NA	decreasing

Table 8

KEY:

SSI

SSL UCL>GWPS

Summary of Ongoing & Newly Identified SSL
Note: The absence of shading indicates that the condition does not exist.

Annual Water Quality Report
Northern Plains Regional Landfill
Permit No. 74-SDP-02-76P

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	4/1/2016	9.4	9.119	4.0*	NA	NA	NA	NA
MW-14	cobalt	10/19/2016	4.1	9.24	4.0*	NA	NA	NA	NA
MW-14	cobalt	4/17/2017	9.2	10.348	4.0*	NA	NA	NA	NA
MW-14	cobalt	10/11/2017	4.6	10.197	4.0*	NA	NA	NA	NA
MW-14	cobalt	6/1/2018	5.4	8.546	4.0*	NA	NA	NA	NA
MW-14	cobalt	10/3/2018	3.1	8.631	4.0*	NA	NA	NA	NA
MW-14	cobalt	4/8/2019	4.7	5.588	4.0*	NA	NA	NA	NA
MW-14	cobalt	10/11/2019	3.2	5.434	4.0*	NA	NA	NA	NA
MW-14	cobalt	4/27/2020	5.6	5.576	4.0*	NA	NA	NA	NA
MW-14	cobalt	10/9/2020	2.4	5.672	4.0*	NA	NA	NA	NA
MW-14	cobalt	4/9/2021	1.3	5.271	4.0*	NA	NA	NA	NA
MW-14	cobalt	10/25/2021	1.1	5.047	4.0*	NA	NA	NA	NA
MW-14	cobalt	4/11/2022	3.1	3.084	4.0*	NA	NA	NA	NA
MW-14	cobalt	10/12/2022	4.1	4.102	4.0*	NA	NA	NA	NA
MW-14	cobalt	4/6/2023	0.9	4.132	4.0*	NA	NA	NA	NA
MW-14	cobalt	10/9/2023	2.1	4.161	4.0*	NA	NA	NA	NA
MW-14	cobalt	4/4/2024	<0.4	3.834	4.0*	NA	NA	NA	NA
MW-14	cobalt	10/16/2024	1.7	2.220	4.0*	NA	NA	NA	NA
MW-14	cobalt	4/7/2025	<0.4	2.220	4.0*	NA	NA	NA	NA
MW-14	cobalt	10/20/2025	2.3	2.356	4.0*	NA	NA	NA	NA

Table 9 – Analytical Data Summary

Table 9

Analytical Data Summary for GU-1

Constituents	Units	4/1/2016	10/19/2016	4/17/2017	6/1/2018	10/3/2018	4/8/2019	10/11/2019	4/27/2020	10/9/2020
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	<5	<5
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	9.8	12.5	17.9	13.9	16.1	14.7	10.9	13.6	11.1
Barium, total	ug/L		501	516	427	428	483	421	465	434
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	<8	<8	<8	<8	<8	<8	<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	<.8	<.8	<.8	<.8	<.8	<.4	<.4
Copper, total	ug/L		<4	<4	<4	<4	<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		12.6	11.0	9.3	9.0	8.8	7.5	7.8	6.3
Selenium, total	ug/L		<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L		<4	<4	<8	<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	<2.0	<2.0	<2.0	<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	<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		<8	<8	<8	<20	<8	<20	<20	<20

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

Table 9

Analytical Data Summary for GU-1

Constituents	4/9/2021	4/11/2022	7/6/2022	10/12/2022	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025
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)	<5	<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	<2	<1
Arsenic, total	<4.0	29.3		4.1	<4.0	<4.0	<4.0	<4.0	<2.0
Barium, total	396	902	436	447	432	490	454	438	509
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	<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	<8	<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	<8	<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	.4		2.2	<4	<4	<4	<4	<5
Copper, total	<4	<4		<4	<4	<4	<4	<4	<5
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	<1
Methyl iodide	<1	<1		<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5		<5	<5	<5	<5	<5	<5
Nickel, total	6.5	23.7	14.1	15.2	12.7	15.7	14.8	10.3	9.3
Selenium, total	<4	<4		<4	<4	<4	<4	<4	<2
Silver, total	<4	<4		<4	<4	<4	<4	<4	<5
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	<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	<20	<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	<20		<20	<20	<20	<20	<20	<5

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

Table 9

Analytical Data Summary for GU-1

Constituents	10/20/2025
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
1,1-dichloroethylene	<1
1,2,3-trichloropropane	<1
1,2-dibromo-3-chloropropane	<5
1,2-dibromoethane	<1
1,2-dichlorobenzene	<1
1,2-dichloroethane	<1
1,2-dichloropropane	<1
1,4-dichlorobenzene	<1
2-butanone (mek)	<10
2-hexanone (mbk)	<5
4-methyl-2-pentanone (mibk)	<5
Acetone	<10
Acrylonitrile	<5
Antimony, total	<1
Arsenic, total	<2.0
Barium, total	491
Benzene	<1
Beryllium, total	<.5
Bromochloromethane	<1
Bromodichloromethane	<1
Bromoform	<1
Bromomethane	<1
Cadmium, total	.2
Carbon disulfide	<1
Carbon tetrachloride	<1
Chlorobenzene	<1
Chloroethane	<1
Chloroform	<1
Chloromethane	<1
Chromium, total	<1
Cis-1,2-dichloroethylene	<1
Cis-1,3-dichloropropene	<1
Cobalt, total	<.5
Copper, total	<5
Dibromochloromethane	<1
Dibromomethane	<1
Ethylbenzene	<1
Lead, total	<1
Methyl iodide	<1
Methylene chloride	<5
Nickel, total	13.8
Selenium, total	<2
Silver, total	<5
Styrene	<1
Tetrachloroethylene	<1
Thallium, total	<.5
Toluene	<1
Trans-1,2-dichloroethylene	<1
Trans-1,3-dichloropropene	<1
Trans-1,4-dichloro-2-butene	<5
Trichloroethylene	<1
Trichlorofluoromethane	<1
Vanadium, total	<2
Vinyl acetate	<5
Vinyl chloride	<1
Xylenes, total	<2
Zinc, total	<5

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

Table 9

Analytical Data Summary for GU-2

Constituents	Units	4/7/2014	8/15/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017
(3,4)-methylphenol	ug/L								
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								
1,2,3-trichloropropane	ug/L	<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
1,2-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								
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		<1	<1	<1	<1	<1	<1
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
2-chloronaphthalene	ug/L								
2-chlorophenol	ug/L								
2-hexanone (mbk)	ug/L	<5		<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L								
2-Methylphenol (o-Cresol)	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
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	<10.0		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acetonitrile	ug/L								
Acetophenone	ug/L								
Acrolein	ug/L								
Acrylonitrile	ug/L	<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 GU-2

Constituents	10/11/2017	6/1/2018	10/3/2018	1/3/2019	4/8/2019	10/11/2019	4/27/2020	10/9/2020	4/9/2021
(3,4)-methylphenol									
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
1,1-dichloropropene									
1,2,3-trichloropropane	<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	<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									
1,3,5-trinitrobenzene									
1,3-dichlorobenzene									
1,3-dichloropropane									
1,3-dinitrobenzene									
1,4-dichlorobenzene	<1	<1	<1		<1	<1	<1	<1	<1
1,4-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
2-chloronaphthalene									
2-chlorophenol									
2-hexanone (mbk)	<5	<5	<5		<5	<5	<5	<5	<5
2-methylnaphthalene									
2-Methylphenol (o-Cresol)									
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
4-nitroaniline									
4-nitrophenol									
5-nitro-o-toluidine									
7,12-dimethylbenz(a)anthracene									
Acenaphthene									
Acenaphthylene									
Acetone	18.7	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	<10.0
Acetonitrile									
Acetophenone									
Acrolein									
Acrylonitrile	<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 GU-2

Constituents	10/25/2021	1/13/2022	4/11/2022	10/12/2022	1/6/2023	4/6/2023	6/27/2023	10/9/2023	4/4/2024
(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		<1		<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						<1			
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	<10		<5		<10	<10
2-chloronaphthalene						<8			
2-chlorophenol						<8			
2-hexanone (mbk)	<5		<5	<5		<5		<5	<5
2-methylnaphthalene						<8			
2-Methylphenol (o-Cresol)						<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 GU-2

Constituents	10/16/2024	4/7/2025	10/20/2025
(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	<1	<1
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 (o-Cresol)			
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
4-nitroaniline			
4-nitrophenol			
5-nitro-o-toluidine			
7,12-dimethylbenz(a)anthracene			
Acenaphthene			
Acenaphthylene			
Acetone	<10.0	<10.0	<10.0
Acetonitrile			
Acetophenone			
Acrolein			
Acrylonitrile	<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 GU-2

Constituents	Units	4/7/2014	8/15/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017
Antimony, total	ug/L	<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	<4.0	8.0	<4.0	4.1	<4.0
Azobenzene	ug/L								
Barium, total	ug/L	134		133	111	256	123	140	136
Benzene	ug/L	<1		<1	<1	<1	<1	<1	<1
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
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	<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								
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								
Chlorobenzene	ug/L	<1		<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L								
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
Chloroprene	ug/L								
Chromium, total	ug/L	<8		<8	<8	<8	<8	<8	<8
Chrysene	ug/L								
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	<4.0		<.8	<.8	<.8	<.8	<.8	<.8
Copper, total	ug/L	5.7		7.4	<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
Dibromomethane	ug/L	<1		<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		<1	<1	<1	<1	<1	<1
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 GU-2

Constituents	10/11/2017	6/1/2018	10/3/2018	1/3/2019	4/8/2019	10/11/2019	4/27/2020	10/9/2020	4/9/2021
Antimony, total	<2	<2	<2		<2	<2	<2	<2	<2
Arochlor 1016									
Arochlor 1221									
Arochlor 1232									
Arochlor 1242									
Arochlor 1248									
Arochlor 1254									
Arochlor 1260									
Arsenic, total	<4.0	4.3	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0
Azobenzene									
Barium, total	169	200	137		126	141	174	191	165
Benzene	<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
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
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									
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									
Chlorobenzene	<1	<1	<1		<1	<1	<1	<1	<1
Chlorobenzilate									
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
Chloroprene									
Chromium, total	<8	<8	<8		<8	<8	<8	<8	<8
Chrysene									
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	.7	<.4	<.4
Copper, total	<4.0	6.2	22.7	4.1	<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
Dibromomethane	<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
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 GU-2

Constituents	10/25/2021	1/13/2022	4/11/2022	10/12/2022	1/6/2023	4/6/2023	6/27/2023	10/9/2023	4/4/2024
Antimony, total	<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		<4.0	<4.0		<4.0		<4.0	<4.0
Azobenzene						<.8			
Barium, total	460		180	193		142		232	207
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		<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	7	<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		<.8	<.8
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		<8	<8		<.8		<8	<8
Chrysene						<.8			
Cis-1,2-dichloroethylene	<1		<1	<1		<1		<1	<1
Cis-1,3-dichloropropene	<1		<1	<1		<1		<1	<1
Cobalt, total	<.4		<.4	2.6		<.4		<.4	<.4
Copper, total	<4.0		<4.0	19.0	<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
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 GU-2

Constituents	10/16/2024	4/7/2025	10/20/2025
Antimony, total	<2	<1	<1
Arochlor 1016			
Arochlor 1221			
Arochlor 1232			
Arochlor 1242			
Arochlor 1248			
Arochlor 1254			
Arochlor 1260			
Arsenic, total	6.3	<2.0	<2.0
Azobenzene			
Barium, total	250	223	232
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			
Bromochloromethane	<1	<1	<1
Bromodichloromethane	<1	<1	<1
Bromoform	<1	<1	<1
Bromomethane	<1	<1	<1
Butyl benzyl phthalate			
Cadmium, total	<.8	<.2	.4
Carbon disulfide	<1	<1	<1
Carbon tetrachloride	<1	<1	<1
Chlordane			
Chlorobenzene	<1	<1	<1
Chlorobenzilate			
Chloroethane	<1	<1	<1
Chloroform	<1	<1	<1
Chloromethane	<1	<1	<1
Chloroprene			
Chromium, total	<8	<1	<1
Chrysene			
Cis-1,2-dichloroethylene	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1
Cobalt, total	.9	<.5	<.5
Copper, total	<4.0	<5.0	<5.0
Cyanide, total			
Delta-bhc			
Diallate			
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			

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

Table 9

Analytical Data Summary for GU-2

Constituents	Units	4/7/2014	8/15/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017
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	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Mercury, total	ug/L								
Methacrylonitrile	ug/L								
Methapyrilene	ug/L								
Methoxychlor	ug/L								
Methyl iodide	ug/L	<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
Naphthalene	ug/L								
Nickel, total	ug/L	8.6		7.2	4.1	<4.0	<4.0	<4.0	<4.0
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	34.3	6.8	6.0	4.6	4.5	<4.0	<4.0	<4.0
Silver, total	ug/L	<4		<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L			<2	<2				
Styrene	ug/L	<1		<1	<1	<1	<1	<1	<1
Sulfide, total	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
Thionazin	ug/L								
Tin, total	ug/L								
Toluene	ug/L	<1		<1	<1	<1	<1	<1	<1
Toxaphene	ug/L								
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	39.9		24.6	<8.0	24.5	<8.0	12.9	10.9

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

Table 9

Analytical Data Summary for GU-2

Constituents	10/11/2017	6/1/2018	10/3/2018	1/3/2019	4/8/2019	10/11/2019	4/27/2020	10/9/2020	4/9/2021
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno(1,2,3-cd)pyrene									
Isobutanol									
Isodrin									
Isophorone									
Isosafrole									
Kepone									
Lead, total	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0
Mercury, total									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl iodide	<1	<1	<1		<1	<1	<1	<1	<1
Methyl methacrylate									
Methyl methanesulfonate									
Methyl parathion									
Methylene chloride	<5	<5	<5		<5	<5	<5	<5	<5
Naphthalene									
Nickel, total	<4.0	5.1	<4.0		<4.0	<4.0	4.8	<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	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0
Silver, total	<4	<8	<4		<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1		<1	<1	<1	<1	<1
Sulfide, total									
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									
Tin, total									
Toluene	<1	<1	<1		<1	<1	<1	<1	<1
Toxaphene									
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	13.5	60.6	15.2	10.2	<20.0	21.5	<20.0	<20.0

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

Table 9

Analytical Data Summary for GU-2

Constituents	10/25/2021	1/13/2022	4/11/2022	10/12/2022	1/6/2023	4/6/2023	6/27/2023	10/9/2023	4/4/2024
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	4.9	<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
Methyl methacrylate						<1			
Methyl methanesulfonate						<8			
Methyl parathion						<4			
Methylene chloride	<5		<5	<5		<5		<5	<5
Naphthalene						<8			
Nickel, total	4.9		<4.0	<4.0		<4.0		<4.0	7.5
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	7.2	<4.0	<4.0	<4.0		<4.0		<4.0	<4.0
Silver, total	<4		<4	<4		<4		<4	<4
Solids, total suspended									
Styrene	<1		<1	<1		<1		<1	<1
Sulfide, total						<1			
Tetrachloroethylene	<1		<1	<1		<1		<1	<1
Thallium, total	<2.0		<2.0	<2.0		<2.0		<2.0	<2.0
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		<20	<20
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	33.1		<20.0	74.1	53.3	<20.0		<20.0	<20.0

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

Table 9

Analytical Data Summary for GU-2

Constituents	10/16/2024	4/7/2025	10/20/2025
Hexachlorobutadiene			
Hexachlorocyclopentadiene			
Hexachloroethane			
Hexachloropropene			
Indeno(1,2,3-cd)pyrene			
Isobutanol			
Isodrin			
Isophorone			
Isosafrole			
Kepone			
Lead, total	<4.0	<1.0	<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	5.4	<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	<4.0	2.0	<2.0
Silver, total	<4	<5	<5
Solids, total suspended			
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	<1	<1
Xylenes, total	<2	<2	<2
Zinc, total	<20.0	21.1	7.0

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

Table 9

Analytical Data Summary for GU-3

Constituents	Units	10/23/2014	4/2/2015	6/23/2021
(3,4)-methylphenol	ug/L		<8	
1,1,1,2-tetrachloroethane	ug/L	<1	<1	
1,1,1-trichloroethane	ug/L	<1	<1	
1,1,2,2-tetrachloroethane	ug/L	<1	<1	
1,1,2-trichloroethane	ug/L	<1	<1	
1,1-dichloroethane	ug/L	3.1	1.7	
1,1-dichloroethylene	ug/L	<1	<1	
1,1-dichloropropene	ug/L		<1	
1,2,3-trichloropropane	ug/L	<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	
1,2-dibromoethane	ug/L	<1	<1	
1,2-dichlorobenzene	ug/L	<1	<1	
1,2-dichloroethane	ug/L	<1	<1	
1,2-dichloropropane	ug/L	<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	1.4	1.4	
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	
2-chloronaphthalene	ug/L		<8	
2-chlorophenol	ug/L		<8	
2-hexanone (mbk)	ug/L	<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	
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	
Acetonitrile	ug/L		<10	
Acetophenone	ug/L		<8	
Acrolein	ug/L		<10	
Acrylonitrile	ug/L	<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 GU-3

Constituents	Units	10/23/2014	4/2/2015	6/23/2021
Antimony, total	ug/L	<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	46.5	9.2	31.3
Azobenzene	ug/L		<8	
Barium, total	ug/L	792	717	
Benzene	ug/L	<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	<4	
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		51	
Bromochloromethane	ug/L	<1	<1	
Bromodichloromethane	ug/L	<1	<1	
Bromoform	ug/L	<1	<1	
Bromomethane	ug/L	<1	<1	
Butyl benzyl phthalate	ug/L		<8	
Cadmium, total	ug/L	<.8	<.8	
Carbon disulfide	ug/L	<1	<1	
Carbon tetrachloride	ug/L	<1	<1	
Chlordane	ug/L		<.1	
Chlorobenzene	ug/L	<1	<1	
Chlorobenzilate	ug/L		<8	
Chloroethane	ug/L	2.8	9.5	
Chloroform	ug/L	<1	<1	
Chloromethane	ug/L	<1	<1	
Chloroprene	ug/L		<1	
Chromium, total	ug/L	<8	<8	
Chrysene	ug/L		<8	
Cis-1,2-dichloroethylene	ug/L	2	<1	
Cis-1,3-dichloropropene	ug/L	<1	<1	
Cobalt, total	ug/L	<.8	<.8	
Copper, total	ug/L	<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	
Dibromomethane	ug/L	<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	
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	
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	

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

Table 9

Analytical Data Summary for GU-3

Constituents	Units	10/23/2014	4/2/2015	6/23/2021
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	
Mercury, total	ug/L		<.5	
Methacrylonitrile	ug/L		<1	
Methapyrilene	ug/L		<8	
Methoxychlor	ug/L		<.05	
Methyl iodide	ug/L	<1	<1	
Methyl methacrylate	ug/L		<1	
Methyl methanesulfonate	ug/L		<8	
Methylene chloride	ug/L	<5	<5	
Naphthalene	ug/L		<8	
Nickel, total	ug/L	14.0	12.7	
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-toluidine	ug/L		<8	
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	
Pronamide	ug/L		<8	
Propionitrile	ug/L		<10	
Pyrene	ug/L		<8	
Safrole	ug/L		<8	
Selenium, total	ug/L	<4	<4	
Silver, total	ug/L	<4	<4	
Solids, total suspended	mg/L	69	14	
Styrene	ug/L	<1	<1	
Sulfide, total	mg/L		<.1	
Tetrachloroethylene	ug/L	<1	<1	
Thallium, total	ug/L	<4	<4	
Tin, total	ug/L		<20	
Toluene	ug/L	<1	<1	
Toxaphene	ug/L		<.2	
Trans-1,2-dichloroethylene	ug/L	<1	<1	
Trans-1,3-dichloropropene	ug/L	<1	<1	
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	
Trichloroethylene	ug/L	<1	<1	
Trichlorofluoromethane	ug/L	<1	<1	
Vanadium, total	ug/L	<20	<20	
Vinyl acetate	ug/L	<5	<5	
Vinyl chloride	ug/L	1.1	<1.0	
Xylenes, total	ug/L	<2	<2	
Zinc, total	ug/L	<8	<8	

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

Table 9

Analytical Data Summary for MW-10

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017
(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-Methylphenol (o-Cresol)	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	<10.0	16.7
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	

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

Table 9

Analytical Data Summary for MW-10

Constituents	6/1/2018	10/3/2018	4/8/2019	10/11/2019	4/27/2020	10/9/2020	4/9/2021	10/25/2021	4/11/2022
(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	<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-Methylphenol (o-Cresol)	<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								

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

Table 9

Analytical Data Summary for MW-10

Constituents	10/12/2022	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
(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	<1	<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				<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	<5	<10	<10	<10
2-chloronaphthalene				<8			
2-chlorophenol				<8			
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene				<8			
2-methylphenol							
2-Methylphenol (o-Cresol)				<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			

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

Table 9

Analytical Data Summary for MW-10

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017
Anthracene	ug/L							<8	
Antimony, total	ug/L	<2.0	2.0	<2.0	2.0	<2.0	<2.0	<2.0	<2.0
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	<4
Azobenzene	ug/L							<8	
Barium, total	ug/L	330.0	149.0	279.0	88.2	77.3	123.0	152.0	91.1
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	<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	<4.0	<.8	1.2	<.8	<.8	<.8	1.8	<.8
Copper, total	ug/L	10.4	10.9	<4.0	20.1	9.3	5.3	<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								
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	

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

Table 9

Analytical Data Summary for MW-10

Constituents	6/1/2018	10/3/2018	4/8/2019	10/11/2019	4/27/2020	10/9/2020	4/9/2021	10/25/2021	4/11/2022
Anthracene	<8								
Antimony, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arochlor 1016	<1								
Arochlor 1221	<2								
Arochlor 1232	<2								
Arochlor 1242	<2								
Arochlor 1248	<2								
Arochlor 1254	<1								
Arochlor 1260	<1								
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Azobenzene	<8								
Barium, total	133.0	119.0	149.0	106.0	180.0	159.0	115.0	145.0	176.0
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	7		<6	<6	<6	<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	8.6	<.8	<.8	<.8	<.8	1.7	<.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	<.8	2.1	<.8	.9	3.4	10.8	<.4	<.4	1.6
Copper, total	<4.0	4.6	20.3	8.6	<4.0	<4.0	11.9	<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								

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

Table 9

Analytical Data Summary for MW-10

Constituents	10/12/2022	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
Anthracene				<8			
Antimony, total	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	1.2
Arochlor 1016				<2			
Arochlor 1221				<2			
Arochlor 1232				<2			
Arochlor 1242				<2			
Arochlor 1248				<2			
Arochlor 1254				<2			
Arochlor 1260				<2			
Arsenic, total	<4	<4	<4	<4	<4	<2	<2
Azobenzene				<8			
Barium, total	145.0	104.0	139.0	120.0	91.2	119.0	142.0
Benzene	<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	<.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	4.0	.7	.7
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1
Chlordane				<.1			
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate				<8			
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				<1			
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<1.0	1.3
Chrysene				<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	2.3	<.4	.8	<.4	1.0	<.5	<.5
Copper, total	<4.0	<4.0	18.2	13.9	29.5	13.2	<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
Dibromomethane	<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
Famphur				<.4			
Fluoranthene				<8			
Fluorene				<8			
Gamma-bhc (lindane)				<.05			
Heptachlor				<.05			
Heptachlor epoxide				<.05			

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

Table 9

Analytical Data Summary for MW-10

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017
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	
Kepona	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								
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L							<8	
Nickel, total	ug/L	29.6	10.5	21.4	<4.0	<4.0	5.1	16.8	<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								
O-toluidine	ug/L							<8	
Parathion	ug/L								
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								
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		1420	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								
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	69.1	<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-10

Constituents	6/1/2018	10/3/2018	4/8/2019	10/11/2019	4/27/2020	10/9/2020	4/9/2021	10/25/2021	4/11/2022
Hexachlorobenzene	<.05								
Hexachlorobutadiene	<8								
Hexachlorocyclopentadiene	<8								
Hexachloroethane	<8								
Hexachloropropene	<8								
Indeno(1,2,3-cd)pyrene	<8								
Isobutanol	<1000								
Isodrin	<8								
Isophorone	<8								
Isosafrole	<8								
Kepon	<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	12.7	4.8	<4.0	14.1	19.0	16.9	5.0	<4.0	11.1
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	<8	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	<.2								
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	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<8.0	23.7	<8.0	21.1	<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-10

Constituents	10/12/2022	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
Hexachlorobenzene				<.05			
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	<2	<1	<1	<1
Methyl methacrylate				<1			
Methyl methanesulfonate				<8			
Methyl parathion				<.4			
Methylene chloride	<5	<5	<5	<5	<5	<5	<5
Naphthalene				<8			
Nickel, total	<4.0	<4.0	5.4	<4.0	25.9	<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	<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				<.3			
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				<20			
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	<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	9.3	10.0

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

Table 9

Analytical Data Summary for MW-11

Constituents	Units	4/7/2014	10/23/2014	1/16/2015	4/2/2015	9/15/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017
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	<10.0
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	3.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	360.0	47.5	56.8	58.4	49.6	74.5	68.2	68.5	66.2
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	<8	<8	<8	<8	<8	<8	<8	<8
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	16.4	<.8	<.8	<.8	<.8	.8	.8	<.8	<.8
Copper, total	ug/L	4.2	<4.0	<4.0	<4.0	<4.0	<4.0	4.4	<4.0	8.4
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	98.9	8.2	4.7	4.9	9.1	12.6	8.1	6.2	6.2
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		272		15					
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	45.3	8.3	<20.0	<8.0	<8.0	26.3	<8.0	24.8	28.4

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

Table 9

Analytical Data Summary for MW-11

Constituents	10/11/2017	6/1/2018	10/3/2018	4/8/2019	10/11/2019	4/27/2020	10/9/2020	4/9/2021	10/25/2021
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	17.9	<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	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	3.4	<2.0	<2.0
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	63.8	80.0	89.3	88.4	132.0	85.5	205.0	82.7	53.4
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	<2.0	1.3	<.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	<8	<8	<8	<8	<8	<8	<8	<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	<2.0	1.0	<.8	4.0	.5	11.2	<.4	1.3
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	<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	12.1	11.2	5.2	36.2	6.3	42.5	8.8	10.5
Selenium, total	<4	<4	<4	<4	<4	<4	<4	4	<4
Silver, total	<4	<8	<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	<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	30.5	<20.0	20.1	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-11

Constituents	4/11/2022	10/12/2022	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
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	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0
Arsenic, total	<4	<4	<4	<4	<4	<4	<2	<2
Barium, total	82.2	69.8	44.2	103.0	40.1	67.0	45.9	53.0
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	1.4	<8	1.4	1.0
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	1.9	3.0	<4	3.0	<4	.5	<5	<5
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<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	15.6	7.4	<4.0	17.1	<4.0	5.2	<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	6.1	8.5

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

Table 9

Analytical Data Summary for MW-12

Constituents	Units	4/7/2014	10/23/2014	1/16/2015	4/2/2015	9/15/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017
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	<10
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	21.7	4.1	<4.0	<4.0	6.5	<4.0	<4.0	89.9	137.0
Barium, total	ug/L	484.0	244.0	199.0	248.0	142.0	269.0	247.0	1320.0	1390.0
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	1.1	<.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	<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	<4.0	<.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	<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	<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	4.4	<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		125		21					
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	16.3	<8.0	<20.0	<8.0	<8.0	<20.0	<8.0	20.4	14.8

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

Table 9

Analytical Data Summary for MW-12

Constituents	10/11/2017	6/1/2018	10/3/2018	4/8/2019	10/11/2019	4/27/2020	10/9/2020	4/9/2021	10/25/2021
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	24.3	<4.0	5.7	<4.0	9.4	4.9	6.0	4.1	4.0
Barium, total	189.0	223.0	173.0	196.0	186.0	150.0	258.0	122.0	153.0
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	1.2	4.0	<.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	<.8	<.4	1.2	<.4	<.4
Copper, total	<4.0	<4.0	6.2	<4.0	<4.0	<4.0	5.1	<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	<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	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Silver, total	<4	<8	<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	<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	<8.0	22.1	<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-12

Constituents	4/11/2022	10/12/2022	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
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	6.1	4.4	<4.0	4.8	<4.0	2.2	4.4
Barium, total	99.9	129.0	55.7	66.4	102.0	139.0	126.0	98.9
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	.3	.4
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	<1.0	1.7
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	2.6	<4	<4	<4	<4	<5	<5
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<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	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	2.8	<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	<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	11.7

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

Table 9

Analytical Data Summary for MW-13

Constituents	Units	6/27/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025
1,1,1,2-tetrachloroethane	ug/L	<1				
1,1,1-trichloroethane	ug/L	<1				
1,1,2,2-tetrachloroethane	ug/L	<1				
1,1,2-trichloroethane	ug/L	<1				
1,1-dichloroethane	ug/L	<1				
1,1-dichloroethylene	ug/L	<1				
1,2,3-trichloropropane	ug/L	<1				
1,2-dibromo-3-chloropropane	ug/L	<5				
1,2-dibromoethane	ug/L	<1				
1,2-dichlorobenzene	ug/L	<1				
1,2-dichloroethane	ug/L	<1				
1,2-dichloropropane	ug/L	<1				
1,4-dichlorobenzene	ug/L	<1				
2-butanone (mek)	ug/L	<10				
2-hexanone (mbk)	ug/L	<5				
4-methyl-2-pentanone (mibk)	ug/L	<5				
Acetone	ug/L	<10				
Acrylonitrile	ug/L	<5				
Antimony, total	ug/L	<2	<2	<2	<2	<1
Arsenic, total	ug/L	<4	<4	<4	<4	<2
Barium, total	ug/L	25.7	57.8	32.8	42.8	38.3
Benzene	ug/L	<1				
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<.5
Bromochloromethane	ug/L	<1				
Bromodichloromethane	ug/L	<1				
Bromoform	ug/L	<1				
Bromomethane	ug/L	<1				
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	.2
Carbon disulfide	ug/L	<1				
Carbon tetrachloride	ug/L	<1				
Chlorobenzene	ug/L	<1				
Chloroethane	ug/L	<1				
Chloroform	ug/L	<1				
Chloromethane	ug/L	<1				
Chromium, total	ug/L	<8	<8	<8	<8	1
Cis-1,2-dichloroethylene	ug/L	<1				
Cis-1,3-dichloropropene	ug/L	<1				
Cobalt, total	ug/L	.4	1.3	.5	.6	<.5
Copper, total	ug/L	<4	<4	<4	<4	<5
Dibromochloromethane	ug/L	<1				
Dibromomethane	ug/L	<1				
Ethylbenzene	ug/L	<1				
Lead, total	ug/L	<4	<4	<4	<4	<1
Methyl iodide	ug/L	<1				
Methylene chloride	ug/L	<5				
Nickel, total	ug/L	<4	4	<4	<4	<5
Selenium, total	ug/L	<4	<4	<4	<4	<2
Silver, total	ug/L	<4	<4	<4	<4	<5
Styrene	ug/L	<1				
Tetrachloroethylene	ug/L	<1				
Thallium, total	ug/L	<2.0	<2.0	<2.0	<2.0	<.5
Toluene	ug/L	<1				
Trans-1,2-dichloroethylene	ug/L	<1				
Trans-1,3-dichloropropene	ug/L	<1				
Trans-1,4-dichloro-2-butene	ug/L	<5				
Trichloroethylene	ug/L	<1				
Trichlorofluoromethane	ug/L	<1				
Vanadium, total	ug/L	<20	<20	<20	<20	<2
Vinyl acetate	ug/L	<5				
Vinyl chloride	ug/L	<1				
Xylenes, total	ug/L	<2				
Zinc, total	ug/L	<20	<20	<20	<20	<5

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

Table 9

Analytical Data Summary for MW-14

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017
(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-Methylphenol (o-Cresol)	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	<10.0	16.9
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					

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

Table 9

Analytical Data Summary for MW-14

Constituents	6/1/2018	10/3/2018	4/8/2019	10/11/2019	4/27/2020	10/9/2020	4/9/2021	10/25/2021	4/11/2022
(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-Methylphenol (o-Cresol)									
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				

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

Table 9

Analytical Data Summary for MW-14

Constituents	10/12/2022	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
(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							
2-Methylphenol (o-Cresol)						<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	

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

Table 9

Analytical Data Summary for MW-14

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017
Anthracene	ug/L			<8					
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	107.0	16.7	16.4	114.0	76.8	16.3	68.9	11.1
Azobenzene	ug/L			<8					
Barium, total	ug/L	2000.0	1060.0	508.0	923.0	1690.0	1190.0	1790.0	1320.0
Benzene	ug/L	<1.0	<1.0	<1.0	1.3	<1.0	<1.0	1.2	<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			<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	3.7	<.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	7.7	4.8	5.9	7.1	9.4	4.1	9.2	4.6
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					
Dissolved oxygen	mg/L								
Disulfoton	ug/L								
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					

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

Table 9

Analytical Data Summary for MW-14

Constituents	6/1/2018	10/3/2018	4/8/2019	10/11/2019	4/27/2020	10/9/2020	4/9/2021	10/25/2021	4/11/2022
Anthracene					<8				
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	55.2	27.6	18.6	13.7	46.6	18.8	10.8	7.2	61.2
Azobenzene					<8				
Barium, total	1620.0	1100.0	1070.0	1000.0	1170.0	1630.0	592.0	612.0	1080.0
Benzene	1.6	1.0	<1.0	<1.0	1.0	1.9	<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	<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	2.2
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	5.4	3.1	4.7	3.2	5.6	2.4	1.3	1.1	3.1
Copper, total	<4.0	<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				
Dissolved oxygen	.61								
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				

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

Table 9

Analytical Data Summary for MW-14

Constituents	10/12/2022	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
Anthracene						<8	
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	34.3	4.7	17.9	<4.0	22.5	3.1	29.8
Azobenzene						<8	
Barium, total	1660.0	411.0	1430.0	53.7	1370.0	236.0	1630.0
Benzene	1.9	<1.0	<1.0	<1.0	<1.0	<1.0	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	<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	1.0	<.8	<.2	3.2
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1
Chlordane						<.1	
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate						<8	
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						<1	
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<1.0	1.1
Chrysene						<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	4.1	.9	2.1	<.4	1.7	<.5	2.3
Copper, total	<4.0	<4.0	<4.0	6.0	<4.0	6.6	<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	
Dieldrin						<.05	
Diethyl phthalate						<8	
Dimethoate						<.4	
Dimethylphthalate						<8	
Di-n-butyl phthalate						<8	
Di-n-octyl phthalate						<8	
Dinoseb						<.5	
Diphenylamine						<8	
Dissolved oxygen							
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	

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

Table 9

Analytical Data Summary for MW-14

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017
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					
Kepon	ug/L			<8					
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	ug/L			<.5					
Methacrylonitrile	ug/L			<1.0					
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								
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L			<8					
Nickel, total	ug/L	18.8	16.5	19.6	17.1	14.0	12.1	15.6	16.6
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	<.4	<8	<.4	<.4	<.4	<.4	
O-toluidine	ug/L			<8					
Parathion	ug/L								
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								
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		143	126					
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L	<.1	<.1	<.1	<.1	<.1	<1.0	<.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
Thionazin	ug/L								
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	10.9	<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-14

Constituents	6/1/2018	10/3/2018	4/8/2019	10/11/2019	4/27/2020	10/9/2020	4/9/2021	10/25/2021	4/11/2022
Heptachlor epoxide					<.05				
Hexachlorobenzene					<.05				
Hexachlorobutadiene					<8				
Hexachlorocyclopentadiene					<8				
Hexachloroethane					<8				
Hexachloropropene					<8				
Indeno(1,2,3-cd)pyrene					<8				
Isobutanol					<1000				
Isodrin					<8				
Isophorone					<8				
Isosafrole					<8				
Kepon					<8				
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total					<.5				
Methacrylonitrile					1.2	<1.0			
Methapyrene					<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	13.1	13.6	12.5	12.7	15.0	12.5	10.6	11.8	11.2
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	<8	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	<.2	<.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
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	<8.0	<20.0	<8.0	22.2	<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-14

Constituents	10/12/2022	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
Heptachlor epoxide						<.05	
Hexachlorobenzene						<.05	
Hexachlorobutadiene						<8	
Hexachlorocyclopentadiene						<8	
Hexachloroethane						<8	
Hexachloropropene						<8	
Indeno(1,2,3-cd)pyrene						<8	
Isobutanol						<1000	
Isodrin						<8	
Isophorone						<8	
Isosafrole						<8	
Kepon						<8	
Lead, total	<4	<4	<4	<4	<4	<1	<1
Mercury, total						<.5	
Methacrylonitrile						<1.0	
Methapyrene						<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	13.8	8.9	11.4	<4.0	7.8	<5.0	11.6
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	<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						<.3	
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	<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	13.4

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

Table 9

Analytical Data Summary for MW-15

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017
(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	<1.0	1.6	<1.0	1.4	<1.0	<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-Methylphenol (o-Cresol)	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					

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

Table 9

Analytical Data Summary for MW-15

Constituents	6/1/2018	10/3/2018	4/8/2019	10/11/2019	4/27/2020	10/9/2020	4/9/2021	10/25/2021	4/11/2022
(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	<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-Methylphenol (o-Cresol)					<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				

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

Table 9

Analytical Data Summary for MW-15

Constituents	10/12/2022	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
(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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
1,1-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							
2-Methylphenol (o-Cresol)						<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	<10	<10	<10	<10	<10	<10
Acetonitrile						<10	
Acetophenone						<8	
Acrolein						<10	
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5
Aldrin						<.05	
Allyl chloride						<1	
Alpha-bhc						<.05	

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

Table 9

Analytical Data Summary for MW-15

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017
Anthracene	ug/L			<.8					
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	8.7	13.1	5.8	6.2	<4.0	<4.0	9.0	<4.0
Azobenzene	ug/L			<.8					
Barium, total	ug/L	304.0	655.0	370.0	409.0	101.0	216.0	304.0	165.0
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	<1.0	1.6	9.1	1.2	<1.0	<1.0	<1.0	<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	<4.0	1.2	<.8	<.8	1.2	<.8	2.3	.8
Copper, total	ug/L	<4	21	<.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								
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					

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

Table 9

Analytical Data Summary for MW-15

Constituents	6/1/2018	10/3/2018	4/8/2019	10/11/2019	4/27/2020	10/9/2020	4/9/2021	10/25/2021	4/11/2022
Anthracene					<8				
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	<4.0	4.5	<4.0	<4.0	4.0	<4.0	<4.0	<4.0
Azobenzene					<8				
Barium, total	278.0	276.0	157.0	253.0	234.0	349.0	190.0	283.0	130.0
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					11	<6	<6	<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	<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	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	.8	1.0	2.4	.9	.5	.4	.5	.4	2.1
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				

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

Table 9

Analytical Data Summary for MW-15

Constituents	10/12/2022	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
Anthracene						<8	
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	12.5	<4.0	10.5	<4.0	4.6	<2.0	2.9
Azobenzene						<8	
Barium, total	521.0	98.4	489.0	86.0	388.0	118.0	302.0
Benzene	<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	<.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	3.5
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1
Chlordane						<.1	
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate						<8	
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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	<1.0	1.3
Chrysene						<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	2.7	.4	.9	.4	.6	<.5	.5
Copper, total	<4	<4	<4	<4	<4	<.5	<.5
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	
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	

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

Table 9

Analytical Data Summary for MW-15

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017
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	5.9	<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	<1	<1	<1	<1
Methyl methacrylate	ug/L			<.1					
Methyl methanesulfonate	ug/L			<.8					
Methyl parathion	ug/L								
Methylene chloride	ug/L	<5	<5	<.5	<5	<5	<5	<5	<5
Naphthalene	ug/L			<.8					
Nickel, total	ug/L	30.3	51.9	48.0	51.7	18.8	24.7	20.2	16.5
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								
O-toluidine	ug/L			<.8					
Parathion	ug/L								
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								
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		266	80					
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L	<.10	.12	<.10	<.10	.11	<.10	<.10	<.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								
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	20.5	<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	9.3	38.8	<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-15

Constituents	6/1/2018	10/3/2018	4/8/2019	10/11/2019	4/27/2020	10/9/2020	4/9/2021	10/25/2021	4/11/2022
Hexachlorobenzene					<.05				
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	<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	32.2	34.8	14.3	18.8	15.1	29.7	17.7	16.2	13.7
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	<8	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	<.20	<.10	<.10	<.10	<.10	<.10	<.10	<.10	<.10
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	<20.0	<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	16.1	<20.0	<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-15

Constituents	10/12/2022	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
Hexachlorobenzene						<.05	
Hexachlorobutadiene						<8	
Hexachlorocyclopentadiene						<8	
Hexachloroethane						<8	
Hexachloropropene						<8	
Indeno(1,2,3-cd)pyrene						<8	
Isobutanol						<1000	
Isodrin						<8	
Isophorone						<8	
Isosafrole						<8	
Kepona						<8	
Lead, total	<4.0	<4.0	<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	<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	34.2	14.4	47.6	17.6	28.9	16.0	20.2
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						<.30	
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	<20.0	<20.0	<20.0	<20.0	<20.0	<2.0	<2.0
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	28.9

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

Table 9

Analytical Data Summary for MW-16

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017
(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	<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								
1,2,3-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	<1	<1	<1	<1	<1	<1	<1
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 (o-Cresol)	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	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	16.3
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-16

Constituents	6/1/2018	10/3/2018	4/8/2019	10/11/2019	4/27/2020	10/9/2020	4/9/2021	6/23/2021	10/25/2021
(3,4)-methylphenol									
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
1,1-dichloropropene									
1,2,3-trichloropropane	<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
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									
1,3,5-trinitrobenzene									
1,3-dichlorobenzene									
1,3-dichloropropane									
1,3-dinitrobenzene									
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1		<1
1,4-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
2-chloronaphthalene									
2-chlorophenol									
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5		<5
2-methylnaphthalene									
2-Methylphenol (o-Cresol)									
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
4-nitroaniline									
4-nitrophenol									
5-nitro-o-toluidine									
7,12-dimethylbenz(a)anthracene									
Acenaphthene									
Acenaphthylene									
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0
Acetonitrile									
Acetophenone									
Acrolein									
Acrylonitrile	<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-16

Constituents	1/13/2022	4/11/2022	10/12/2022	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
(3,4)-methylphenol		<8		<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	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene		<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene		<1		<1					
1,2,3-trichloropropane		<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene		<8		<8					
1,2,4-trichlorobenzene		<1		<1					
1,2-dibromo-3-chloropropane		<1	<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		<8					
1,3,5-trinitrobenzene		<8		<8					
1,3-dichlorobenzene		<1		<1					
1,3-dichloropropane		<1		<1					
1,3-dinitrobenzene		<8		<8					
1,4-dichlorobenzene		<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone		<8		<8					
1,4-phenylenediamine		<8		<8					
1-naphthylamine		<8		<8					
2,2-dichloropropane		<1		<1					
2,3,4,6-tetrachlorophenol		<8		<8					
2,4,5-t		<6		<5					
2,4,5-tp (silvex)		<6		<5					
2,4,5-trichlorophenol		<8		<8					
2,4,6-trichlorophenol		<8		<8					
2,4-d		<2.6		<2.0					
2,4-dichlorophenol		<8		<8					
2,4-dimethylphenol		<8		<8					
2,4-dinitrophenol		<8		<8					
2,4-dinitrotoluene		<8		<8					
2,6-dichlorophenol		<8		<8					
2,6-dinitrotoluene		<8		<8					
2-acetylaminofluorene		<8		<8					
2-butanone (mek)		<5	<10	<5	<10	<10	<10	<10	<10
2-chloronaphthalene		<8		<8					
2-chlorophenol		<8		<8					
2-hexanone (mbk)		<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene		<8		<8					
2-Methylphenol (o-Cresol)		<8		<8					
2-naphthylamine		<8		<8					
2-nitroaniline		<8		<8					
2-nitrophenol		<8		<8					
3,3'-dichlorobenzidine		<8		<8					
3,3'-dimethylbenzidine		<8		<8					
3-methylcholanthrene		<8		<8					
3-nitroaniline		<8		<8					
4,4'-ddd		<.05		<.05					
4,4'-dde		<.05		<.05					
4,4'-ddt		<.05		<.05					
4,6-dinitro-2-methylphenol		<8		<8					
4-aminobiphenyl		<8		<8					
4-bromophenyl phenyl ether		<8		<8					
4-chloro-3-methylphenol		<8		<8					
4-chloroaniline		<8		<8					
4-chlorophenyl phenyl ether		<8		<8					
4-methyl-2-pentanone (mibk)		<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline		<8		<8					
4-nitrophenol		<8		<8					
5-nitro-o-toluidine		<8		<8					
7,12-dimethylbenz(a)anthracene		<8		<8					
Acenaphthene		<8		<8					
Acenaphthylene		<8		<8					
Acetone		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acetonitrile		<10		<10					
Acetophenone		<8		<8					
Acrolein		<10		<10					
Acrylonitrile		<5	<5	<5	<5	<5	<5	<5	<5
Aldrin		<.05		<.05					
Allyl chloride		<1		<1					
Alpha-bhc		<.05		<.05					
Anthracene		<8		<8					

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

Table 9

Analytical Data Summary for MW-16

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017
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	10.9	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Azobenzene	ug/L								
Barium, total	ug/L	519	542	534	572	602	525	414	286
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
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								
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	<1.0	<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								
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L								
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								
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	<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	<4.0	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Copper, total	ug/L	4.4	<4.0	<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								
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	<1	<1	<1	<1	<1	<1	<1
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-16

Constituents	6/1/2018	10/3/2018	4/8/2019	10/11/2019	4/27/2020	10/9/2020	4/9/2021	6/23/2021	10/25/2021
Antimony, total	<2	<2	<2	<2	<2	<2	<2		<2
Arochlor 1016									
Arochlor 1221									
Arochlor 1232									
Arochlor 1242									
Arochlor 1248									
Arochlor 1254									
Arochlor 1260									
Arsenic, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	4.4		7.5
Azobenzene									
Barium, total	528	274	241	236	420	264	526		450
Benzene	<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
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
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									
Cadmium, total	<.8	1.1	<.8	.9	<.8	<.8	<.8		<.8
Carbon disulfide	<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
Chlordane									
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1		<1
Chlorobenzilate									
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
Chloroprene									
Chromium, total	<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
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1		<1
Cobalt, total	<.8	<.8	<.8	<.8	.5	<.4	.7		.8
Copper, total	<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
Dibromomethane	<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
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-16

Constituents	1/13/2022	4/11/2022	10/12/2022	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
Antimony, total		<2	<2	<2	<2	<2	<2	<1	<1
Arochlor 1016		<.13		<.10					
Arochlor 1221		<.26		<.20					
Arochlor 1232		<.26		<.20					
Arochlor 1242		<.26		<.20					
Arochlor 1248		<.26		<.20					
Arochlor 1254		<.13		<.10					
Arochlor 1260		<.13		<.10					
Arsenic, total		<4.0	<4.0	<4.0	<4.0	4.5	9.3	<2.0	<2.0
Azobenzene		<8		<8					
Barium, total		557	350	548	321	974	869	564	346
Benzene		<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene		<8		<8					
Benzo(a)pyrene		<8		<8					
Benzo(b)fluoranthene		<8		<8					
Benzo(g,h,i)perylene		<8		<8					
Benzo(k)fluoranthene		<8		<8					
Benzyl alcohol		<8		<8					
Beryllium, total		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Beta-bhc		<.05		<.05					
Bis (2-chloroethoxy) methane		<8		<8					
Bis(2-chloroethyl) ether		<8		<8					
Bis(2-chloroisopropyl) ether		<8		<8					
Bis(2-ethylhexyl) phthalate		10	<6	<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		<8					
Cadmium, total		<.8	<.8	<.8	<.8	<.8	<.8	.2	.9
Carbon disulfide		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.1
Carbon tetrachloride		<1	<1	<1	<1	<1	<1	<1	<1
Chlordane		<.1		<.1					
Chlorobenzene		<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate		<8		<8					
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
Chloroprene		<1		<1					
Chromium, total		<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	1.2	<1.0
Chrysene		<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		1.0	2.7	.9	<.4	.8	1.5	.7	<.5
Copper, total		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0
Cyanide, total		<.005		<.005					
Delta-bhc		<.05		<.05					
Diallate		<8		<8					
Dibenzo(a,h)anthracene		<8		<8					
Dibenzofuran		<8		<8					
Dibromochloromethane		<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane		<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane		<1		<1					
Dieldrin		<.05		<.05					
Diethyl phthalate		<8		<8					
Dimethoate		<.4		<.4					
Dimethylphthalate		<8		<8					
Di-n-butyl phthalate		<8		<8					
Di-n-octyl phthalate		<8		<8					
Dinoseb		<.6		<.5					
Diphenylamine		<8		<8					
Disulfoton		<.4		<.4					
Endosulfan i		<.05		<.05					
Endosulfan ii		<.05		<.05					
Endosulfan sulfate		<.05		<.05					
Endrin		<.05		<.05					
Endrin aldehyde		<.05		<.05					
Ethyl methacrylate		<10		<10					
Ethyl methanesulfonate		<8		<8					
Ethylbenzene		<1	<1	<1	<1	<1	<1	<1	<1
Famphur		<.4		<.4					
Fluoranthene		<8		<8					
Fluorene		<8		<8					
Gamma-bhc (lindane)		<.05		<.05					
Heptachlor		<.05		<.05					
Heptachlor epoxide		<.05		<.05					
Hexachlorobenzene		<.05		<.05					

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

Table 9

Analytical Data Summary for MW-16

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017
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	<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	15.4	16.1	15.6	16.0	11.2	12.8	9.0
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		696	65					
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	<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	19.9	<8.0	<8.0	20.6	<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-16

Constituents	6/1/2018	10/3/2018	4/8/2019	10/11/2019	4/27/2020	10/9/2020	4/9/2021	6/23/2021	10/25/2021
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
Mercury, total									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl iodide	<1	<1	<1	<1	<1	<1	<1		<1
Methyl methacrylate									
Methyl methanesulfonate									
Methyl parathion									
Methylene chloride	<5	<5	<5	<5	<5	<5	<5		<5
Naphthalene									
Nickel, total	11.3	8.0	5.6	7.2	12.1	8.7	14.1	12.2	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	<4	<4	<4	<4	<4	<4	<4		<4
Silver, total	<8	<4	<4	<4	<4	<4	<4		<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1		<1
Sulfide, total									
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
Thionazin									
Tin, total									
Toluene	<1	<1	<1	<1	<1	<1	<1		<1
Toxaphene									
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	27.7	<8.0	30.2	<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-16

Constituents	1/13/2022	4/11/2022	10/12/2022	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
Hexachlorobutadiene		<8		<8					
Hexachlorocyclopentadiene		<8		<8					
Hexachloroethane		<8		<8					
Hexachloropropene		<8		<8					
Indeno(1,2,3-cd)pyrene		<8		<8					
Isobutanol		<1000		<1000					
Isodrin		<8		<8					
Isophorone		<8		<8					
Isosafrole		<8		<8					
Kepone		<8		<8					
Lead, total		<4	<4	<4	<4	<4	<4	<1	<1
Mercury, total		<.5	<.5	<.5					
Methacrylonitrile		<1	<1	<1					
Methapyrilene		<8		<8					
Methoxychlor		<.05	<.05	<.05					
Methyl iodide		<2	<1	<2	<1	<1	<1	<1	<1
Methyl methacrylate		<1	<1	<1					
Methyl methanesulfonate		<8		<8					
Methyl parathion		<.4	<.4	<.4					
Methylene chloride		<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene		<8		<8					
Nickel, total	14.8	12.1	11.2	14.4	11.5	14.5	31.3	12.5	9.4
Nitrobenzene		<8		<8					
N-nitrosodiethylamine		<8		<8					
N-nitrosodimethylamine		<8		<8					
N-nitrosodi-n-butylamine		<8		<8					
N-nitroso-di-n-propylamine		<8		<8					
N-nitrosodiphenylamine		<8		<8					
N-nitrosomethylethylamine		<8		<8					
N-nitrosopiperidine		<8		<8					
N-nitrosopyrrolidine		<8		<8					
O,o,o-triethyl phosphorothioate		<.4	<.4	<.4					
O-toluidine		<8		<8					
Parathion		<.4	<.4	<.4					
P-dimethylaminoazobenzene		<8		<8					
Pentachlorobenzene		<8		<8					
Pentachloronitrobenzene (pcnb)		<8		<8					
Pentachlorophenol		<8		<8					
Phenacetin		<8		<8					
Phenanthrene		<8		<8					
Phenol		<8		<8					
Phorate		<.4	<.4	<.4					
Pronamide		<8		<8					
Propionitrile		<10		<10					
Pyrene		<8		<8					
Safrole		<8		<8					
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
Sulfide, total		1.8	<.1	<1.5					
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
Thionazin		<.4	<.4	<.4					
Tin, total		<20	<20	<20					
Toluene		<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene		<.2	<.2	<.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	<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	9.7	<5.0

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

Table 9

Analytical Data Summary for MW-17

Constituents	Units	4/7/2014	10/23/2014	1/16/2015	4/2/2015	9/15/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017
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	<10.0
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	30.9	11.5	17.0	53.7	7.9	7.7	22.1	4.9	136.0
Barium, total	ug/L	374	167	293	589	148	140	475	183	1010
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	1.0	<.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	<8	<8	<8	<8	<8	<8	<8	<8
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	<4.0	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Copper, total	ug/L	61.5	<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	<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	7.8	<4.0	4.7	5.6	<4.0	<4.0	<4.0	5.1	6.0
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		140		113					
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	<20.0	<8.0	<8.0	<20.0	<8.0	14.4	<8.0

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

Table 9

Analytical Data Summary for MW-17

Constituents	10/11/2017	6/1/2018	10/3/2018	4/8/2019	10/11/2019	4/27/2020	10/9/2020	4/9/2021	10/25/2021
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	20.1	<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	8.0	49.3	12.1	11.1	12.9	12.2	6.9	4.2	<4.0
Barium, total	168	373	174	217	222	338	161	235	146
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	1.0	<.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	<8	<8	<8	<8	<8	<8	<8	<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	<.8	<.8	<.8	<.4	<.4	<.4	<.4
Copper, total	<4.0	<4.0	4.8	<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	<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	4.6	4.3	4.6	<4.0	<4.0	<4.0	<4.0	4.7
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<8	<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	<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	<8.0	21.0	<8.0	32.2	<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-17

Constituents	4/11/2022	10/12/2022	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
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	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<1	<1
Arsenic, total	15.5	8.2	12.7	4.4	30.3	5.6	22.1	2.6
Barium, total	421	175	263	151	358	135	370	164
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	1.7	<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	2.2	<4	<4	<4	<4	<5	<5
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<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	5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	6.8
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	7.2	<5.0

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

Table 9

Analytical Data Summary for MW-18

Constituents	Units	4/29/2020	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
1,1,1,2-tetrachloroethane	ug/L	<1						
1,1,1-trichloroethane	ug/L	<1						
1,1,2,2-tetrachloroethane	ug/L	<1						
1,1,2-trichloroethane	ug/L	<1						
1,1-dichloroethane	ug/L	<1						
1,1-dichloroethylene	ug/L	<1						
1,2,3-trichloropropane	ug/L	<1						
1,2-dibromo-3-chloropropane	ug/L	<5						
1,2-dibromoethane	ug/L	<1						
1,2-dichlorobenzene	ug/L	<1						
1,2-dichloroethane	ug/L	<1						
1,2-dichloropropane	ug/L	<1						
1,4-dichlorobenzene	ug/L	<1						
2-butanone (mek)	ug/L	<5						
2-hexanone (mbk)	ug/L	<5						
4-methyl-2-pentanone (mibk)	ug/L	<5						
Acetone	ug/L	14.2						
Acrylonitrile	ug/L	<5						
Antimony, total	ug/L	<2	<2	<2	<2	<2	<1	<1
Arsenic, total	ug/L	4.3	6.9	4.5	6.7	6.0	6.2	7.4
Barium, total	ug/L	65.7	48.1	46.8	43.8	45.6	55.1	50.9
Benzene	ug/L	<1						
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Bromochloromethane	ug/L	<1						
Bromodichloromethane	ug/L	<1						
Bromoform	ug/L	<1						
Bromomethane	ug/L	<1						
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.2	<.2
Carbon disulfide	ug/L	<1						
Carbon tetrachloride	ug/L	<1						
Chlorobenzene	ug/L	<1						
Chloroethane	ug/L	<1						
Chloroform	ug/L	<1						
Chloromethane	ug/L	<1						
Chromium, total	ug/L	<8	<8	<8	<8	<8	1	<1
Cis-1,2-dichloroethylene	ug/L	<1						
Cis-1,3-dichloropropene	ug/L	<1						
Cobalt, total	ug/L	.5	<.4	<.4	<.4	<.4	<.5	<.5
Copper, total	ug/L	<4.0	23.9	<4.0	<4.0	<4.0	<5.0	<5.0
Dibromochloromethane	ug/L	<1						
Dibromomethane	ug/L	<1						
Ethylbenzene	ug/L	<1						
Lead, total	ug/L	<4	<4	<4	<4	<4	<1	<1
Methyl iodide	ug/L	<1						
Methylene chloride	ug/L	<5						
Nickel, total	ug/L	<4	<4	<4	<4	<4	<5	<5
Selenium, total	ug/L	<4	<4	<4	<4	<4	<2	<2
Silver, total	ug/L	<4	<4	<4	<4	<4	<5	<5
Styrene	ug/L	<1						
Tetrachloroethylene	ug/L	<1						
Thallium, total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Toluene	ug/L	<1						
Trans-1,2-dichloroethylene	ug/L	<1						
Trans-1,3-dichloropropene	ug/L	<1						
Trans-1,4-dichloro-2-butene	ug/L	<5						
Trichloroethylene	ug/L	<1						
Trichlorofluoromethane	ug/L	<1						
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	ug/L	<5						
Vinyl chloride	ug/L	<1						
Xylenes, total	ug/L	<2						
Zinc, total	ug/L	<20.0	<20.0	<20.0	<20.0	<20.0	5.5	5.5

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

Table 9

Analytical Data Summary for MW-19

Constituents	Units	4/29/2020	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
1,1,1,2-tetrachloroethane	ug/L	<1						
1,1,1-trichloroethane	ug/L	<1						
1,1,2,2-tetrachloroethane	ug/L	<1						
1,1,2-trichloroethane	ug/L	<1						
1,1-dichloroethane	ug/L	<1						
1,1-dichloroethylene	ug/L	<1						
1,2,3-trichloropropane	ug/L	<1						
1,2-dibromo-3-chloropropane	ug/L	<5						
1,2-dibromoethane	ug/L	<1						
1,2-dichlorobenzene	ug/L	<1						
1,2-dichloroethane	ug/L	<1						
1,2-dichloropropane	ug/L	<1						
1,4-dichlorobenzene	ug/L	<1						
2-butanone (mek)	ug/L	<5						
2-hexanone (mbk)	ug/L	<5						
4-methyl-2-pentanone (mibk)	ug/L	<5						
Acetone	ug/L	<10						
Acrylonitrile	ug/L	<5						
Antimony, total	ug/L	<2	<2	<2	<2	<2	<1	<1
Arsenic, total	ug/L	<4.0	4.1	4.2	4.8	4.5	2.6	2.9
Barium, total	ug/L	184	210	220	211	207	217	207
Benzene	ug/L	<1						
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Bromochloromethane	ug/L	<1						
Bromodichloromethane	ug/L	<1						
Bromoform	ug/L	<1						
Bromomethane	ug/L	<1						
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.2	<.2
Carbon disulfide	ug/L	<1						
Carbon tetrachloride	ug/L	<1						
Chlorobenzene	ug/L	<1						
Chloroethane	ug/L	<1						
Chloroform	ug/L	<1						
Chloromethane	ug/L	<1						
Chromium, total	ug/L	<8	<8	<8	<8	<8	<1	<1
Cis-1,2-dichloroethylene	ug/L	<1						
Cis-1,3-dichloropropene	ug/L	<1						
Cobalt, total	ug/L	<.4	<.4	<.4	<.4	<.4	<.5	<.5
Copper, total	ug/L	<4	<4	<4	<4	<4	<5	<5
Dibromochloromethane	ug/L	<1						
Dibromomethane	ug/L	<1						
Ethylbenzene	ug/L	<1						
Lead, total	ug/L	<4	<4	<4	<4	<4	<1	<1
Methyl iodide	ug/L	<1						
Methylene chloride	ug/L	<5						
Nickel, total	ug/L	<4	<4	<4	<4	<4	<5	<5
Selenium, total	ug/L	<4	<4	<4	<4	<4	<2	<2
Silver, total	ug/L	<4	<4	<4	<4	<4	<5	<5
Styrene	ug/L	<1						
Tetrachloroethylene	ug/L	<1						
Thallium, total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Toluene	ug/L	<1						
Trans-1,2-dichloroethylene	ug/L	<1						
Trans-1,3-dichloropropene	ug/L	<1						
Trans-1,4-dichloro-2-butene	ug/L	<5						
Trichloroethylene	ug/L	<1						
Trichlorofluoromethane	ug/L	<1						
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	ug/L	<5						
Vinyl chloride	ug/L	<1						
Xylenes, total	ug/L	<2						
Zinc, total	ug/L	<20	<20	<20	<20	<20	<5	<5

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

Table 9

Analytical Data Summary for MW-20

Constituents	Units	4/29/2020	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
1,1,1,2-tetrachloroethane	ug/L	<1						
1,1,1-trichloroethane	ug/L	<1						
1,1,2,2-tetrachloroethane	ug/L	<1						
1,1,2-trichloroethane	ug/L	<1						
1,1-dichloroethane	ug/L	<1						
1,1-dichloroethylene	ug/L	<1						
1,2,3-trichloropropane	ug/L	<1						
1,2-dibromo-3-chloropropane	ug/L	<5						
1,2-dibromoethane	ug/L	<1						
1,2-dichlorobenzene	ug/L	<1						
1,2-dichloroethane	ug/L	<1						
1,2-dichloropropane	ug/L	<1						
1,4-dichlorobenzene	ug/L	<1						
2-butanone (mek)	ug/L	<5						
2-hexanone (mbk)	ug/L	<5						
4-methyl-2-pentanone (mibk)	ug/L	<5						
Acetone	ug/L	<10						
Acrylonitrile	ug/L	<5						
Antimony, total	ug/L	<2		<2	<2	<2	<1	<1
Arsenic, total	ug/L	<4.0	<4.0	6.0	5.7	6.4	4.1	6.9
Barium, total	ug/L	127	123	127	127	103	122	130
Benzene	ug/L	<1						
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Bromochloromethane	ug/L	<1						
Bromodichloromethane	ug/L	<1						
Bromoform	ug/L	<1						
Bromomethane	ug/L	<1						
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.2	<.2
Carbon disulfide	ug/L	<1						
Carbon tetrachloride	ug/L	<1						
Chlorobenzene	ug/L	<1						
Chloroethane	ug/L	<1						
Chloroform	ug/L	<1						
Chloromethane	ug/L	<1						
Chromium, total	ug/L	<8	<8	<8	<8	<8	<1	<1
Cis-1,2-dichloroethylene	ug/L	<1						
Cis-1,3-dichloropropene	ug/L	<1						
Cobalt, total	ug/L	<.4	<.4	<.4	.7	.4	<.5	<.5
Copper, total	ug/L	<4	<4	<4	<4	<4	<5	<5
Dibromochloromethane	ug/L	<1						
Dibromomethane	ug/L	<1						
Ethylbenzene	ug/L	<1						
Lead, total	ug/L	<4	<4	<4	<4	<4	<1	<1
Methyl iodide	ug/L	<1						
Methylene chloride	ug/L	<5						
Nickel, total	ug/L	<4	<4	<4	<4	<4	<5	<5
Selenium, total	ug/L	<4	<4	<4	<4	<4	<2	<2
Silver, total	ug/L	<4	<4	<4	<4	<4	<5	<5
Styrene	ug/L	<1						
Tetrachloroethylene	ug/L	<1						
Thallium, total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Toluene	ug/L	<1						
Trans-1,2-dichloroethylene	ug/L	<1						
Trans-1,3-dichloropropene	ug/L	<1						
Trans-1,4-dichloro-2-butene	ug/L	<5						
Trichloroethylene	ug/L	<1						
Trichlorofluoromethane	ug/L	<1						
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	ug/L	<5						
Vinyl chloride	ug/L	<1						
Xylenes, total	ug/L	<2						
Zinc, total	ug/L	<20	<20	<20	<20	<20	<5	<5

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

Table 9

Analytical Data Summary for MW-21

Constituents	Units	4/29/2020	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
1,1,1,2-tetrachloroethane	ug/L	<1						
1,1,1-trichloroethane	ug/L	<1						
1,1,2,2-tetrachloroethane	ug/L	<1						
1,1,2-trichloroethane	ug/L	<1						
1,1-dichloroethane	ug/L	<1						
1,1-dichloroethylene	ug/L	<1						
1,2,3-trichloropropane	ug/L	<1						
1,2-dibromo-3-chloropropane	ug/L	<5						
1,2-dibromoethane	ug/L	<1						
1,2-dichlorobenzene	ug/L	<1						
1,2-dichloroethane	ug/L	<1						
1,2-dichloropropane	ug/L	<1						
1,4-dichlorobenzene	ug/L	<1						
2-butanone (mek)	ug/L	<5						
2-hexanone (mbk)	ug/L	<5						
4-methyl-2-pentanone (mibk)	ug/L	<5						
Acetone	ug/L	<10						
Acrylonitrile	ug/L	<5						
Antimony, total	ug/L	<2	<2	<2	<2	<2	<1	<1
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<2	<2
Barium, total	ug/L	233	192	177	207	215	212	226
Benzene	ug/L	<1						
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Bromochloromethane	ug/L	<1						
Bromodichloromethane	ug/L	<1						
Bromoform	ug/L	<1						
Bromomethane	ug/L	<1						
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.2	<.2
Carbon disulfide	ug/L	<1						
Carbon tetrachloride	ug/L	<1						
Chlorobenzene	ug/L	<1						
Chloroethane	ug/L	<1						
Chloroform	ug/L	<1						
Chloromethane	ug/L	<1						
Chromium, total	ug/L	<8	<8	<8	<8	<8	<1	<1
Cis-1,2-dichloroethylene	ug/L	<1						
Cis-1,3-dichloropropene	ug/L	<1						
Cobalt, total	ug/L	<.4	<.4	<.4	<.4	<.4	<.5	<.5
Copper, total	ug/L	<4	<4	<4	<4	<4	<5	<5
Dibromochloromethane	ug/L	<1						
Dibromomethane	ug/L	<1						
Ethylbenzene	ug/L	<1						
Lead, total	ug/L	<4	<4	<4	<4	<4	<1	<1
Methyl iodide	ug/L	<1						
Methylene chloride	ug/L	<5						
Nickel, total	ug/L	<4	<4	<4	<4	<4	<5	<5
Selenium, total	ug/L	<4	<4	<4	<4	<4	<2	<2
Silver, total	ug/L	<4	<4	<4	<4	<4	<5	<5
Styrene	ug/L	<1						
Tetrachloroethylene	ug/L	<1						
Thallium, total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Toluene	ug/L	<1						
Trans-1,2-dichloroethylene	ug/L	<1						
Trans-1,3-dichloropropene	ug/L	<1						
Trans-1,4-dichloro-2-butene	ug/L	<5						
Trichloroethylene	ug/L	<1						
Trichlorofluoromethane	ug/L	<1						
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<2	<2
Vinyl acetate	ug/L	<5						
Vinyl chloride	ug/L	<1						
Xylenes, total	ug/L	<2						
Zinc, total	ug/L	<20	<20	<20	<20	<20	<5	<5

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

Table 9

Analytical Data Summary for MW-3AR

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017
(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-Methylphenol (o-Cresol)	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	<10.0	19.2
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	

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

Table 9

Analytical Data Summary for MW-3AR

Constituents	6/1/2018	10/3/2018	10/11/2019	4/27/2020	4/9/2021	10/25/2021	4/6/2023	4/4/2024	10/16/2024
(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	<5	<5	<5	<1	<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									
2-Methylphenol (o-Cresol)							<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		

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

Table 9

Analytical Data Summary for MW-3AR

Constituents	4/7/2025
(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
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	<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
2-chloronaphthalene	
2-chlorophenol	
2-hexanone (mbk)	<5
2-methylnaphthalene	
2-methylphenol	
2-Methylphenol (o-Cresol)	
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	<10.0
Acetonitrile	
Acetophenone	
Acrolein	
Acrylonitrile	<5
Aldrin	
Allyl chloride	
Alpha-bhc	

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

Table 9

Analytical Data Summary for MW-3AR

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017
Anthracene	ug/L							<8	
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	5.5	<4.0	<4.0	4.5	10.0	<4.0	<4.0	<4.0
Azobenzene	ug/L							<8	
Barium, total	ug/L	137.0	51.7	44.9	89.2	73.7	66.2	43.8	45.9
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	<13	<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							<8	
Cadmium, total	ug/L	<.8	1.5	4.9	1.5	.8	.8	<.8	1.6
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	10.7	<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	4.5	<.8	.8	4.2	2.3	1.7	1.3	<.8
Copper, total	ug/L	18.9	<4.0	8.3	<4.0	7.2	<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	<.4		<.4	<.4	<.4	<.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								
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	<.4		<.4	<.4	<.4	<.4	
Fluoranthene	ug/L							<8	
Fluorene	ug/L							<8	
Gamma-bhc (lindane)	ug/L							<.05	
Heptachlor	ug/L							<.05	
Heptachlor epoxide	ug/L							<.05	

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

Table 9

Analytical Data Summary for MW-3AR

Constituents	6/1/2018	10/3/2018	10/11/2019	4/27/2020	4/9/2021	10/25/2021	4/6/2023	4/4/2024	10/16/2024
Anthracene							<8		
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	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	7.0	<4.0
Azobenzene							<8		
Barium, total	36.8	49.1	82.5	49.9	42.6	85.6	40.3	357.0	154.0
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	1.3	.8	<.8	<.8	<.8	1.2	<.8	1.0
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	<.8	<.8	<.8	<.4	<.4	1.1	<.4	.8	.8
Copper, total	4.0	9.8	4.3	<4.0	4.2	4.4	10.2	<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		

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

Table 9

Analytical Data Summary for MW-3AR

Constituents	4/7/2025
Anthracene	
Antimony, total	<1
Arochlor 1016	
Arochlor 1221	
Arochlor 1232	
Arochlor 1242	
Arochlor 1248	
Arochlor 1254	
Arochlor 1260	
Arsenic, total	<2.0
Azobenzene	
Barium, total	58.8
Benzene	<1
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	2.2
Carbon disulfide	<1
Carbon tetrachloride	<1
Chlordane	
Chlorobenzene	<1
Chlorobenzilate	
Chloroethane	<1
Chloroform	<1
Chloromethane	<1
Chloroprene	
Chromium, total	<1.0
Chrysene	
Cis-1,2-dichloroethylene	<1
Cis-1,3-dichloropropene	<1
Cobalt, total	<.5
Copper, total	7.5
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
Famphur	
Fluoranthene	
Fluorene	
Gamma-bhc (lindane)	
Heptachlor	
Heptachlor epoxide	

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

Table 9

Analytical Data Summary for MW-3AR

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017
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	
Kepon	ug/L							<8	
Lead, total	ug/L	7.7	<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	<1	<1	<1	<1
Methyl methacrylate	ug/L							<1	
Methyl methanesulfonate	ug/L							<8	
Methyl parathion	ug/L								
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L							<8	
Nickel, total	ug/L	20.8	5.4	5.9	20.3	15.9	12.9	10.2	<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								
O-toluidine	ug/L							<8	
Parathion	ug/L								
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								
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		798	155					
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								
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	25.2	<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	50.1	8.9	18.4	22.8	<8.0	12.4	<8.0	10.5

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

Table 9

Analytical Data Summary for MW-3AR

Constituents	6/1/2018	10/3/2018	10/11/2019	4/27/2020	4/9/2021	10/25/2021	4/6/2023	4/4/2024	10/16/2024
Hexachlorobenzene							<.05		
Hexachlorobutadiene							<8		
Hexachlorocyclopentadiene							<8		
Hexachloroethane							<8		
Hexachloropropene							<8		
Indeno(1,2,3-cd)pyrene							<8		
Isobutanol							<1000		
Isodrin							<8		
Isophorone							<8		
Isosafrole							<8		
Kepona							<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	<1	<1	<1	<2	<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	4.7	5.4	7.4	<4.0	<4.0	5.1	<4.0	6.2	4.8
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	<8	<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	<20.0	<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	22.0	23.4	<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-3AR

Constituents	4/7/2025
Hexachlorobenzene	
Hexachlorobutadiene	
Hexachlorocyclopentadiene	
Hexachloroethane	
Hexachloropropene	
Indeno(1,2,3-cd)pyrene	
Isobutanol	
Isodrin	
Isophorone	
Isosafrole	
Kepon	
Lead, total	<1.0
Mercury, total	
Methacrylonitrile	
Methapyrilene	
Methoxychlor	
Methyl iodide	<1
Methyl methacrylate	
Methyl methanesulfonate	
Methyl parathion	
Methylene chloride	<5
Naphthalene	
Nickel, total	<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	<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	6.6

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

Table 9

Analytical Data Summary for MW-6B

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017
(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	<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								
1,2,3-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	<1	<1	<1	<1	<1	<1	<1
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-Methylphenol (o-Cresol)	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								

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

Table 9

Analytical Data Summary for MW-6B

Constituents	6/1/2018	10/3/2018	1/3/2019	4/8/2019	10/11/2019	4/27/2020	4/9/2021	10/25/2021	4/11/2022
(3,4)-methylphenol				<8		<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	<1		<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1		<1	<1	<1	<1	<1	<1
1,1-dichloropropene				<1		<1			
1,2,3-trichloropropane	<1	<1		<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene				<8		<8			
1,2,4-trichlorobenzene				<1		<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		<8			
1,3,5-trinitrobenzene				<8		<8			
1,3-dichlorobenzene				<1		<1			
1,3-dichloropropane				<1		<1			
1,3-dinitrobenzene				<8		<8			
1,4-dichlorobenzene	<1	<1		<1	<1	<1	<1	<1	<1
1,4-naphthoquinone				<8		<8			
1,4-phenylenediamine				<8		<8			
1-naphthylamine				<8		<8			
2,2-dichloropropane				<1		<1			
2,3,4,6-tetrachlorophenol				<8		<8			
2,4,5-t				<.5		<.5			
2,4,5-tp (silvex)				<.5		<.5			
2,4,5-trichlorophenol				<8		<8			
2,4,6-trichlorophenol				<8		<8			
2,4-d				<2		<2			
2,4-dichlorophenol				<8		<8			
2,4-dimethylphenol				<8		<8			
2,4-dinitrophenol				<8		<8			
2,4-dinitrotoluene				<8		<8			
2,6-dichlorophenol				<8		<8			
2,6-dinitrotoluene				<8		<8			
2-acetylaminofluorene				<8		<8			
2-butanone (mek)	<5	<5		<5	<5	<5	<5	<5	<10
2-chloronaphthalene				<8		<8			
2-chlorophenol				<8		<8			
2-hexanone (mbk)	<5	<5		<5	<5	<5	<5	<5	<5
2-methylnaphthalene				<8		<8			
2-methylphenol				<8		<8			
2-Methylphenol (o-Cresol)									
2-naphthylamine				<8		<8			
2-nitroaniline				<8		<8			
2-nitrophenol				<8		<8			
3,3'-dichlorobenzidine				<8		<8			
3,3'-dimethylbenzidine				<8		<8			
3-methylcholanthrene				<8		<8			
3-nitroaniline				<8		<8			
4,4'-ddd				<.05		<.05			
4,4'-dde				<.05		<.05			
4,4'-ddt				<.05		<.05			
4,6-dinitro-2-methylphenol				<8		<8			
4-aminobiphenyl				<8		<8			
4-bromophenyl phenyl ether				<8		<8			
4-chloro-3-methylphenol				<8		<8			
4-chloroaniline				<8		<8			
4-chlorophenyl phenyl ether				<8		<8			
4-methyl-2-pentanone (mibk)	<5	<5		<5	<5	<5	<5	<5	<5
4-nitroaniline				<8		<8			
4-nitrophenol				<8		<8			
5-nitro-o-toluidine				<8		<8			
7,12-dimethylbenz(a)anthracene				<8		<8			
Acenaphthene				<8		<8			
Acenaphthylene				<8		<8			
Acetone	<10	<10		<10	<10	<10	<10	<10	<10
Acetonitrile				<10		<10			
Acetophenone				<8		<8			
Acrolein				<10		<10			
Acrylonitrile	<5	<5		<5	<5	<5	<5	<5	<5
Aldrin				<.05		<.05			
Allyl chloride				<1		<1			
Alpha-bhc				<.05		<.05			

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

Table 9

Analytical Data Summary for MW-6B

Constituents	4/6/2023	4/4/2024	4/7/2025
(3,4)-methylphenol			<8
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	<1	<1
1,1-dichloroethylene	<1	<1	<1
1,1-dichloropropene			<1
1,2,3-trichloropropane	<1	<1	<1
1,2,4,5-tetrachlorobenzene			<8
1,2,4-trichlorobenzene			<1
1,2-dibromo-3-chloropropane	<5	<5	<1
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			<8
1,3,5-trinitrobenzene			<8
1,3-dichlorobenzene			<1
1,3-dichloropropane			<1
1,3-dinitrobenzene			<8
1,4-dichlorobenzene	<1	<1	<1
1,4-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
2-chloronaphthalene			<8
2-chlorophenol			<8
2-hexanone (mbk)	<5	<5	<5
2-methylnaphthalene			<8
2-methylphenol			
2-Methylphenol (o-Cresol)			<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
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
Acetonitrile			<10
Acetophenone			<8
Acrolein			<10
Acrylonitrile	<5	<5	<5
Aldrin			<.05
Allyl chloride			<1
Alpha-bhc			<.05

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

Table 9

Analytical Data Summary for MW-6B

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017
Anthracene	ug/L								
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	4.2	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Azobenzene	ug/L								
Barium, total	ug/L	187.0	145.0	87.2	163.0	72.4	158.0	68.4	159.0
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
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								
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	1.7	<.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	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L								
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								
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene	ug/L								
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	7.4	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Copper, total	ug/L	26.5	<4.0	<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								
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	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L								
Fluoranthene	ug/L								
Fluorene	ug/L								
Gamma-bhc (lindane)	ug/L								
Heptachlor	ug/L								
Heptachlor epoxide	ug/L								

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

Table 9

Analytical Data Summary for MW-6B

Constituents	6/1/2018	10/3/2018	1/3/2019	4/8/2019	10/11/2019	4/27/2020	4/9/2021	10/25/2021	4/11/2022
Anthracene				<8		<8			
Antimony, total	<2	<2		<2	<2	<2	<2	<2	<2
Arochlor 1016				<.1		<.1			
Arochlor 1221				<.2		<.2			
Arochlor 1232				<.2		<.2			
Arochlor 1242				<.2		<.2			
Arochlor 1248				<.2		<.2			
Arochlor 1254				<.1		<.1			
Arochlor 1260				<.1		<.1			
Arsenic, total	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Azobenzene				<8		<8			
Barium, total	111.0	146.0		87.2	166.0	105.0	98.3	144.0	86.1
Benzene	<1	<1		<1	<1	<1	<1	<1	<1
Benzo(a)anthracene				<8		<8			
Benzo(a)pyrene				<8		<8			
Benzo(b)fluoranthene				<8		<8			
Benzo(g,h,i)perylene				<8		<8			
Benzo(k)fluoranthene				<8		<8			
Benzyl alcohol				<8		<8			
Beryllium, total	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc				<.05		<.05			
Bis (2-chloroethoxy) methane				<8		<8			
Bis(2-chloroethyl) ether				<8		<8			
Bis(2-chloroisopropyl) ether				<8		<8			
Bis(2-ethylhexyl) phthalate				19 *	<6	13	<6	<6	<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		<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		<.1			
Chlorobenzene	<1	<1		<1	<1	<1	<1	<1	<1
Chlorobenzilate				<8		<8			
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
Chloroprene				<1		<1			
Chromium, total	<8	<8		<8	<8	<8	<8	<8	<8
Chrysene				<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	.5	<.4
Copper, total	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	4.1
Cyanide, total				<.005		<.005			
Delta-bhc				<.05		<.05			
Diallate				<8		<8			
Dibenzo(a,h)anthracene				<8		<8			
Dibenzofuran				<8		<8			
Dibromochloromethane	<1	<1		<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1		<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane				<1		<1			
Dieldrin				<.05		<.05			
Diethyl phthalate				<8		<8			
Dimethoate				<.4		<.4			
Dimethylphthalate				<8		<8			
Di-n-butyl phthalate				<8		<8			
Di-n-octyl phthalate				<8		<8			
Dinoseb				<.5		<.5			
Diphenylamine				<8		<8			
Disulfoton				<.4		<.4			
Endosulfan i				<.05		<.05			
Endosulfan ii				<.05		<.05			
Endosulfan sulfate				<.05		<.05			
Endrin				<.05		<.05			
Endrin aldehyde				<.05		<.05			
Ethyl methacrylate				<10		<10			
Ethyl methanesulfonate				<8		<8			
Ethylbenzene	<1	<1		<1	<1	<1	<1	<1	<1
Famphur				<.4		<.4			
Fluoranthene				<8		<8			
Fluorene				<8		<8			
Gamma-bhc (lindane)				<.05		<.05			
Heptachlor				<.05		<.05			
Heptachlor epoxide				<.05		<.05			

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

Table 9

Analytical Data Summary for MW-6B

Constituents	4/6/2023	4/4/2024	4/7/2025
Anthracene			<8
Antimony, total	<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	<4.0	<4.0	<2.0
Azobenzene			<8
Barium, total	52.4	65.8	92.9
Benzene	<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	<5
Beta-bhc			<.05
Bis (2-chloroethoxy) methane			<8
Bis(2-chloroethyl) ether			<8
Bis(2-chloroisopropyl) ether			<8
Bis(2-ethylhexyl) phthalate	<6	<6	<6
Bromochloromethane	<1	<1	<1
Bromodichloromethane	<1	<1	<1
Bromoform	<1	<1	<1
Bromomethane	<1	<1	<1
Butyl benzyl phthalate			<8
Cadmium, total	<.8	<.8	<2
Carbon disulfide	<1	<1	<1
Carbon tetrachloride	<1	<1	<1
Chlordane			<1
Chlorobenzene	<1	<1	<1
Chlorobenzilate			<8
Chloroethane	<1	<1	<1
Chloroform	<1	<1	<1
Chloromethane	<1	<1	<1
Chloroprene			<1
Chromium, total	<8	<8	<1
Chrysene			<8
Cis-1,2-dichloroethylene	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1
Cobalt, total	<.4	<.4	<.5
Copper, total	6.1	4.8	<5.0
Cyanide, total			<.010
Delta-bhc			<.05
Diallate			<8
Dibenzo(a,h)anthracene			<8
Dibenzofuran			<8
Dibromochloromethane	<1	<1	<1
Dibromomethane	<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
Famphur			<.4
Fluoranthene			<8
Fluorene			<8
Gamma-bhc (lindane)			<.05
Heptachlor			<.05
Heptachlor epoxide			<.05

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

Table 9

Analytical Data Summary for MW-6B

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017
Hexachlorobenzene	ug/L								
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								
Kepon	ug/L								
Lead, total	ug/L	4.1	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
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	21.2	6.5	<4.0	8.4	<4.0	7.3	<4.0	7.3
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	<4.0	<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		145	23					
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	<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	47.7	<8.0	<8.0	21.6	<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-6B

Constituents	6/1/2018	10/3/2018	1/3/2019	4/8/2019	10/11/2019	4/27/2020	4/9/2021	10/25/2021	4/11/2022
Hexachlorobenzene				<.05		<.05			
Hexachlorobutadiene				<8		<8			
Hexachlorocyclopentadiene				<8		<8			
Hexachloroethane				<8		<8			
Hexachloropropene				<8		<8			
Indeno(1,2,3-cd)pyrene				<8		<8			
Isobutanol				<1000		<1000			
Isodrin				<8		<8			
Isophorone				<8		<8			
Isosafrole				<8		<8			
Kepona				<8		<8			
Lead, total	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Mercury, total				<.5		<.5			
Methacrylonitrile				<1		<1			
Methapyrilene				<8		<8			
Methoxychlor				<.05		<.05			
Methyl iodide	<1	<1		<1	<1	<2	<1	<1	<1
Methyl methacrylate				<1		<1			
Methyl methanesulfonate				<8		<8			
Methyl parathion				<.4		<.4			
Methylene chloride	<5	<5		<5	<5	<5	<5	<5	<5
Naphthalene				<8		<8			
Nickel, total	4.3	6.4		<4.0	7.6	<4.0	7.7	12.0	4.3
Nitrobenzene				<8		<8			
N-nitrosodiethylamine				<8		<8			
N-nitrosodimethylamine				<8		<8			
N-nitrosodi-n-butylamine				<8		<8			
N-nitroso-di-n-propylamine				<8		<8			
N-nitrosodiphenylamine				<8		<8			
N-nitrosomethylethylamine				<8		<8			
N-nitrosopiperidine				<8		<8			
N-nitrosopyrrolidine				<8		<8			
O,o,o-triethyl phosphorothioate				<.4		<.4			
O-toluidine				<8		<8			
Parathion				<.4		<.4			
P-dimethylaminoazobenzene				<8		<8			
Pentachlorobenzene				<8		<8			
Pentachloronitrobenzene (pcnb)				<8		<8			
Pentachlorophenol				<8		<8			
Phenacetin				<8		<8			
Phenanthrene				<8		<8			
Phenol				<8		<8			
Phorate				<.4		<.4			
Pronamide				<8		<8			
Propionitrile				<10		<10			
Pyrene				<8		<8			
Safrole				<8		<8			
Selenium, total	<4.0	<4.0		<4.0	<4.0	<4.0	7.4	<4.0	<4.0
Silver, total	<8	<4		<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1		<1	<1	<1	<1	<1	<1
Sulfide, total				<.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
Thionazin				<.4		<.4			
Tin, total				<20		<20			
Toluene	<1	<1		<1	<1	<1	<1	<1	<1
Toxaphene				<.2		<.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	<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	47.7	122.0	<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-6B

Constituents	4/6/2023	4/4/2024	4/7/2025
Hexachlorobenzene			<.05
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	<1.0
Mercury, total			<.5
Methacrylonitrile			<1
Methapyrilene			<8
Methoxychlor			<.05
Methyl iodide	<1	<1	<2
Methyl methacrylate			<1
Methyl methanesulfonate			<8
Methyl parathion			<.4
Methylene chloride	<5	<5	<5
Naphthalene			<8
Nickel, total	<4.0	<4.0	<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	6.1	<4.0	2.2
Silver, total	<4	<4	<5
Solids, total suspended			
Styrene	<1	<1	<1
Sulfide, total			<.1
Tetrachloroethylene	<1	<1	<1
Thallium, total	<2.0	<2.0	<.5
Thionazin			<.4
Tin, total			<5
Toluene	<1	<1	<1
Toxaphene			<.2
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	<20	<2
Vinyl acetate	<5	<5	<5
Vinyl chloride	<1	<1	<1
Xylenes, total	<2	<2	<2
Zinc, total	<20.0	<20.0	7.4

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

Table 9

Analytical Data Summary for MW-7A

Constituents	Units	4/7/2014	10/24/2014	4/2/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017	6/1/2018
(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	2.5	<1.0	<1.0	<1.0	2.2	<1.0	3.2	2.2
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			<6					
2,4,5-tp (silvex)	ug/L			<6					
2,4,5-trichlorophenol	ug/L			<8					
2,4,6-trichlorophenol	ug/L			<8					
2,4-d	ug/L			<2.6					
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-Methylphenol (o-Cresol)	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	21.8	<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					

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

Table 9

Analytical Data Summary for MW-7A

Constituents	10/3/2018	4/8/2019	10/11/2019	4/27/2020	4/9/2021	10/25/2021	4/11/2022	4/6/2023	4/4/2024
(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	2.6	<1.0	1.1	<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	<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				<2.0					
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	<10	<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-Methylphenol (o-Cresol)				<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					

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

Table 9

Analytical Data Summary for MW-7A

Constituents	4/7/2025
(3,4)-methylphenol	<8
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
1,2,3-trichloropropane	<1
1,2,4,5-tetrachlorobenzene	<8
1,2,4-trichlorobenzene	<1
1,2-dibromo-3-chloropropane	<1
1,2-dibromoethane	<1
1,2-dichlorobenzene	<1
1,2-dichloroethane	<1
1,2-dichloropropane	<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
1,4-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	<2.0
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
2-chloronaphthalene	<8
2-chlorophenol	<8
2-hexanone (mbk)	<.5
2-methylnaphthalene	<8
2-methylphenol	<8
2-Methylphenol (o-Cresol)	<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
4-nitroaniline	<8
4-nitrophenol	<8
5-nitro-o-toluidine	<8
7,12-dimethylbenz(a)anthracene	<8
Acenaphthene	<8
Acenaphthylene	<8
Acetone	<10.0
Acetonitrile	<10
Acetophenone	<8
Acrolein	<10
Acrylonitrile	<.5
Aldrin	<.05
Allyl chloride	<1
Alpha-bhc	<.05

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

Table 9

Analytical Data Summary for MW-7A

Constituents	Units	4/7/2014	10/24/2014	4/2/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017	6/1/2018
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	5.6		13.5	10.2	4.9	6.4	5.8	4.5
Azobenzene	ug/L			<.8					
Barium, total	ug/L	159.0		340.0	178.0	341.0	427.0	298.0	256.0
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
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	1.1	1.5	<.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		<.8	<8	<8	<8	<8	<8
Chrysene	ug/L			<.8					
Cis-1,2-dichloroethylene	ug/L	2.0	<1.0	<1.0	<1.0	2.0	<1.0	3.4	1.7
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<4.0		2.2	.8	<.8	1.2	.8	<.8
Copper, total	ug/L	12.2		<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			<.6					
Diphenylamine	ug/L			<.8					
Disulfoton	ug/L								
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					

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

Table 9

Analytical Data Summary for MW-7A

Constituents	10/3/2018	4/8/2019	10/11/2019	4/27/2020	4/9/2021	10/25/2021	4/11/2022	4/6/2023	4/4/2024
Anthracene				<8					
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	9.1	4.9	7.1	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Azobenzene				<8					
Barium, total	379.0	264.0	495.0	107.0	342.0	170.0	169.0	70.0	74.3
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	.9	<.8	.9	<.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	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene				<8					
Cis-1,2-dichloroethylene	2.5	<1.0	2.0	<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	<.8	.9	1.6	.7	1.1	.9	.9	1.6	<.4
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	4.5	<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					

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

Table 9

Analytical Data Summary for MW-7A

Constituents	4/7/2025
Anthracene	<8
Antimony, total	<1
Arochlor 1016	<.2
Arochlor 1221	<.2
Arochlor 1232	<.2
Arochlor 1242	<.2
Arochlor 1248	<.2
Arochlor 1254	<.2
Arochlor 1260	<.2
Arsenic, total	<2.0
Azobenzene	<8
Barium, total	231.0
Benzene	<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	<.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
Bromodichloromethane	<1
Bromoform	<1
Bromomethane	<1
Butyl benzyl phthalate	<8
Cadmium, total	.3
Carbon disulfide	<1
Carbon tetrachloride	<1
Chlordane	<.1
Chlorobenzene	<1
Chlorobenzilate	<8
Chloroethane	<1
Chloroform	<1
Chloromethane	<1
Chloroprene	<1
Chromium, total	<1
Chrysene	<8
Cis-1,2-dichloroethylene	<1.0
Cis-1,3-dichloropropene	<1
Cobalt, total	.6
Copper, total	<5.0
Cyanide, total	<.010
Delta-bhc	<.05
Diallate	<8
Dibenzo(a,h)anthracene	<8
Dibenzofuran	<8
Dibromochloromethane	<1
Dibromomethane	<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
Famphur	<.4
Fluoranthene	<8
Fluorene	<8
Gamma-bhc (lindane)	<.05
Heptachlor	<.05
Heptachlor epoxide	<.05

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

Table 9

Analytical Data Summary for MW-7A

Constituents	Units	4/7/2014	10/24/2014	4/2/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017	6/1/2018
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		<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			<8					
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L			<8					
Nickel, total	ug/L	35.5		44.8	43.4	42.5	62.4	37.9	32.3
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			<8					
O-toluidine	ug/L			<8					
Parathion	ug/L			<8					
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			<8					
Pronamide	ug/L			<8					
Propionitrile	ug/L			<10					
Pyrene	ug/L			<8					
Safrole	ug/L			<8					
Selenium, total	ug/L	5.3		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Silver, total	ug/L	<4		<4	<4	<4	<4	<4	<8
Solids, total suspended	mg/L			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
Thionazin	ug/L			<20					
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
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	1.1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	32.5		<8.0	<8.0	<8.0	11.4	9.2	<8.0

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

Table 9

Analytical Data Summary for MW-7A

Constituents	10/3/2018	4/8/2019	10/11/2019	4/27/2020	4/9/2021	10/25/2021	4/11/2022	4/6/2023	4/4/2024
Hexachlorobenzene				<.05					
Hexachlorobutadiene				<8					
Hexachlorocyclopentadiene				<8					
Hexachloroethane				<8					
Hexachloropropene				<8					
Indeno(1,2,3-cd)pyrene				<8					
Isobutanol				<1000					
Isodrin				<8					
Isophorone				<8					
Isosafrole				<8					
Kepon				<8					
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total				<.5					
Methacrylonitrile				<1					
Methacrylonitrile				<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	40.2	34.9	40.9	26.3	46.3	25.8	54.8	27.8	12.6
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	<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
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	<1.0	<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	65.0	<8.0	<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-7A

Constituents	4/7/2025
Hexachlorobenzene	<.05
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	<1
Mercury, total	<.5
Methacrylonitrile	<1
Methapyrilene	<8
Methoxychlor	<.05
Methyl iodide	<2
Methyl methacrylate	<1
Methyl methanesulfonate	<8
Methyl parathion	<.4
Methylene chloride	<5
Naphthalene	<8
Nickel, total	26.5
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	4.0
Silver, total	<5
Solids, total suspended	
Styrene	<1
Sulfide, total	<.1
Tetrachloroethylene	<1
Thallium, total	<.5
Thionazin	<.4
Tin, total	<5
Toluene	<1
Toxaphene	<.2
Trans-1,2-dichloroethylene	<1
Trans-1,3-dichloropropene	<1
Trans-1,4-dichloro-2-butene	<5
Trichloroethylene	<1
Trichlorofluoromethane	<1
Vanadium, total	<2
Vinyl acetate	<5
Vinyl chloride	<1.0
Xylenes, total	<2
Zinc, total	5.3

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

Table 9

Analytical Data Summary for MW-7B

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017
(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	1.4	<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-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-Methylphenol (o-Cresol)	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					

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

Table 9

Analytical Data Summary for MW-7B

Constituents	6/1/2018	10/3/2018	4/8/2019	10/11/2019	4/27/2020	10/9/2020	4/9/2021	10/25/2021	4/11/2022
(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	<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-Methylphenol (o-Cresol)					<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				

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

Table 9

Analytical Data Summary for MW-7B

Constituents	10/12/2022	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
(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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
1,1-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							
2-Methylphenol (o-Cresol)						<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	<10	<10	<10	<10	<10	<10
Acetonitrile						<10	
Acetophenone						<8	
Acrolein						<10	
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5
Aldrin						<.05	
Allyl chloride						<1	
Alpha-bhc						<.05	

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

Table 9

Analytical Data Summary for MW-7B

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017
Anthracene	ug/L			<.8					
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	<4	<4	<4	<4	<4	<4	<4
Azobenzene	ug/L			<.8					
Barium, total	ug/L	941	736	689	760	573	652	616	614
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	<8	<8	<8	<8	<8	<8	<8
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	5.4	<.8	<.8	<.8	<.8	<.8	3.6	2.3
Copper, total	ug/L	9.5	<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								
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					

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

Table 9

Analytical Data Summary for MW-7B

Constituents	6/1/2018	10/3/2018	4/8/2019	10/11/2019	4/27/2020	10/9/2020	4/9/2021	10/25/2021	4/11/2022
Anthracene					<8				
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	<4	<4	<4	<4	<4	<4	<4	<4
Azobenzene					<8				
Barium, total	668	665	501	596	542	776	636	647	602
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	3.2
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	<8	<8	<8	<8	<8	<8	<8	<8
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	2.3	1.7	<.8	1.2	.6	1.8	1.4	.4	.8
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	4.6	<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				

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

Table 9

Analytical Data Summary for MW-7B

Constituents	10/12/2022	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
Anthracene						<8	
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	<4		<4	<4	<4	<2	<2
Azobenzene						<8	
Barium, total	744		684	643	678	749	821
Benzene	<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	<.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	<.2	.5
Carbon disulfide	<1	<1	<1	<1	<1	<1	1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1
Chlordane						<.1	
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate						<8	
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						<1	
Chromium, total	<8		<8	<8	<8	<1	1
Chrysene						<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	2.1		<.4	<.4	<.4	<.5	<.5
Copper, total	<4.0		<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	<1
Dibromomethane	<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
Famphur						<.4	
Fluoranthene						<8	
Fluorene						<8	
Gamma-bhc (lindane)						<.05	
Heptachlor						<.05	
Heptachlor epoxide						<.05	

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

Table 9

Analytical Data Summary for MW-7B

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017
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	5.7	<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	<1	<1	<1	<1
Methyl methacrylate	ug/L			<1					
Methyl methanesulfonate	ug/L			<8					
Methyl parathion	ug/L			<8					
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L			<8					
Nickel, total	ug/L	35.3	15.9	15.3	15.4	15.4	14.8	19.4	14.4
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			<8					
O-toluidine	ug/L			<8					
Parathion	ug/L			<8					
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			<8					
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		322	30					
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			<20					
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	1.2	<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
Zinc, total	ug/L	25.0	<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-7B

Constituents	6/1/2018	10/3/2018	4/8/2019	10/11/2019	4/27/2020	10/9/2020	4/9/2021	10/25/2021	4/11/2022
Hexachlorobenzene					<.05				
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	<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	16.9	16.7	16.5	18.3	18.9	26.0	12.6	9.7	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	<8	<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	<1.0	<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	<8.0	23.0	<8.0	21.7	<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-7B

Constituents	10/12/2022	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
Hexachlorobenzene						<.05	
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	<1.0	<1.0
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	9.7		10.5	12.1	10.5	10.9	11.4
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	<1
Sulfide, total						<.1	
Tetrachloroethylene	<1	<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	<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	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, total	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0		<20.0	<20.0	<20.0	<5.0	6.9

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

Table 9

Analytical Data Summary for MW-8

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017
(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	1.3	<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-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-Methylphenol (o-Cresol)	ug/L								
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					
Alkalinity, as CaCO3	mg/L								
Allyl chloride	ug/L			<1					

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

Table 9

Analytical Data Summary for MW-8

Constituents	6/1/2018	10/3/2018	4/8/2019	10/11/2019	4/27/2020	10/9/2020	4/9/2021	6/23/2021	10/25/2021
(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	<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	<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-Methylphenol (o-Cresol)					<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				
Alkalinity, as CaCO3								438	
Allyl chloride					<1				

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

Table 9

Analytical Data Summary for MW-8

Constituents	4/11/2022	7/7/2022	10/12/2022	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
(3 4)-methylphenol								<8	
1,1,1,2-tetrachloroethane	<5		<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<5		<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<5		<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<5		<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<5.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethylene	<5		<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene								<1	
1,2,3-trichloropropane	<5		<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene								<8	
1,2,4-trichlorobenzene								<1	
1,2-dibromo-3-chloropropane	<25		<5	<5	<5	<5	<5	<1	<5
1,2-dibromoethane	<5		<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<5		<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<5		<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<5		<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	<5		<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)	<50		<10	<10	<10	<10	<10	<5	<10
2-chloronaphthalene								<8	
2-chlorophenol								<8	
2-hexanone (mbk)	<25		<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene								<8	
2-methylphenol									
2-Methylphenol (o-Cresol)								<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)	<25		<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	<50		<10	<10	<10	<10	<10	<10	<10
Acetonitrile								<10	
Acetophenone								<8	
Acrolein								<10	
Acrylonitrile	<25		<5	<5	<5	<5	<5	<5	<5
Aldrin								<.05	
Alkalinity, as cacO3									
Allyl chloride								<1	

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

Table 9

Analytical Data Summary for MW-8

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017
Alpha-bhc	ug/L			<.05					
Anthracene	ug/L			<.8					
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	74.0	117.0	48.3	90.3	63.5	107.0	55.9	47.2
Azobenzene	ug/L			<.8					
Barium, total	ug/L	1060	772	536	717	547	871	623	649
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	1.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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	11.3	<.8	<.8	1.1	<.8	<.8	<.8	<.8
Copper, total	ug/L	9.3	<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			<.05					
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					

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

Table 9

Analytical Data Summary for MW-8

Constituents	6/1/2018	10/3/2018	4/8/2019	10/11/2019	4/27/2020	10/9/2020	4/9/2021	6/23/2021	10/25/2021
Alpha-bhc					<.05				
Anthracene					<.8				
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	32.5	9.7	33.1	75.7	56.2	72.9	95.1	57.7	125.0
Azobenzene					<.8				
Barium, total	738	220	716	1060	680	920	833		1160
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
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	1.9	<.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	<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
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	<.8	1.2	.5	.6	<.4		.8
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	<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				

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

Table 9

Analytical Data Summary for MW-8

Constituents	4/11/2022	7/7/2022	10/12/2022	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
Alpha-bhc								<.05	
Anthracene								<.8	
Antimony, total	<2		<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	220.0		360.0	31.7	165.0	30.9	33.5	106.0	122.0
Azobenzene								<.8	
Barium, total	2160		2840	399	1610	613	516	1360	1590
Benzene	<5		<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	<.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	<5		<1	<1	<1	<1	<1	<.1	<.1
Bromodichloromethane	<5		<1	<1	<1	<1	<1	<.1	<.1
Bromoform	<5		<1	<1	<1	<1	<1	<.1	<.1
Bromomethane	<5		<1	<1	<1	<1	<1	<.1	<.1
Butyl benzyl phthalate								<.8	
Cadmium, total	.8		<.8	<.8	<.8	<.8	<.8	2.6	.5
Carbon disulfide	<5		<1	<1	<1	<1	<1	<.1	<.1
Carbon tetrachloride	<5		<1	<1	<1	<1	<1	<.1	<.1
Chlordane								<.1	
Chlorobenzene	<5		<1	<1	<1	<1	<1	<.1	<.1
Chlorobenzilate								<.8	
Chloroethane	<5.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<5		<1	<1	<1	<1	<1	<.1	<.1
Chloromethane	<5		<1	<1	<1	<1	<1	<.1	<.1
Chloroprene								<.1	
Chromium, total	8.4	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	1.7	1.1
Chrysene								<.8	
Cis-1,2-dichloroethylene	<5		<1	<1	<1	<1	<1	<.1	<.1
Cis-1,3-dichloropropene	<5		<1	<1	<1	<1	<1	<.1	<.1
Cobalt, total	4.6	<.4	1.7	1.8	.5	2.6	.4	.8	.5
Copper, total	13.9	<4.0	4.0	<4.0	<4.0	<4.0	<4.0	6.7	<5.0
Cyanide, total								<.010	
Delta-bhc								<.05	
Diallate								<.8	
Dibenzo(a,h)anthracene								<.8	
Dibenzofuran								<.8	
Dibromochloromethane	<5		<1	<1	<1	<1	<1	<.1	<.1
Dibromomethane	<5		<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	<5		<1	<1	<1	<1	<1	<.1	<.1
Famphur								<.4	
Fluoranthene								<.8	
Fluorene								<.8	
Gamma-bhc (lindane)								<.05	
Heptachlor								<.05	

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

Table 9

Analytical Data Summary for MW-8

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017
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	10.7	<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	<1	<1	<1	<1
Methyl methacrylate	ug/L			<1					
Methyl methanesulfonate	ug/L			<8					
Methyl parathion	ug/L								
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L			<8					
Nickel, total	ug/L	34.1	10.8	7.4	10.3	6.1	10.5	8.2	9.8
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								
O-toluidine	ug/L			<8					
Parathion	ug/L								
P-dimethylaminoazobenzene	ug/L			<8					
Pentachlorobenzene	ug/L			<8					
Pentachloronitrobenzene (pcnb)	ug/L			<8					
Pentachlorophenol	ug/L			<8					
pH	SU								
Phenacetin	ug/L			<8					
Phenanthrene	ug/L			<8					
Phenol	ug/L			<8					
Phorate	ug/L								
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		1410	93					
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L			.55	<.10	.16	<1.00	<.10	<.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								
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	29.9	<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	61.8	<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-8

Constituents	6/1/2018	10/3/2018	4/8/2019	10/11/2019	4/27/2020	10/9/2020	4/9/2021	6/23/2021	10/25/2021
Heptachlor epoxide					<.05				
Hexachlorobenzene					<.05				
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	6.4	<4.0	<4.0	<4.0	<4.0		<4.0
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	9.7	5.4	9.7	15.6	9.0	11.3	5.8		7.5
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				
pH								6.9	
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		<4.0
Silver, total	<8	<4	<4	<4	<4	<4	<4		<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	.32	<.10	<.10	<.10	<.30	<.10	<.10		<.10
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
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
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	31.3	<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-8

Constituents	4/11/2022	7/7/2022	10/12/2022	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
Heptachlor epoxide								<.05	
Hexachlorobenzene								<.05	
Hexachlorobutadiene								<8	
Hexachlorocyclopentadiene								<8	
Hexachloroethane								<8	
Hexachloropropene								<8	
Indeno(1,2,3-cd)pyrene								<8	
Isobutanol								<1000	
Isodrin								<8	
Isophorone								<8	
Isosafrole								<8	
Kepon								<8	
Lead, total	6.9		<4.0	<4.0	<4.0	5.8	<4.0	1.8	<1.0
Mercury, total								<.5	
Methacrylonitrile								<1	
Methapyrilene								<8	
Methoxychlor								<.05	
Methyl iodide	<5		<1	<1	<1	<1	<1	<2	<1
Methyl methacrylate								<1	
Methyl methanesulfonate								<8	
Methyl parathion								<.4	
Methylene chloride	<25		<5	<5	<5	<5	<5	<5	<5
Naphthalene								<8	
Nickel, total	16.5	7.5	7.4	7.3	9.6	6.3	12.6	7.3	10.7
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	
pH									
Phenacetin								<8	
Phenanthrene								<8	
Phenol								<8	
Phorate								<.4	
Pronamide								<8	
Propionitrile								<10	
Pyrene								<8	
Safrole								<8	
Selenium, total	7.8	<4.0	<4.0	<4.0	<4.0	4.2	<4.0	<2.0	<2.0
Silver, total	<4		<4	<4	<4	<4	<4	<5	<5
Solids, total suspended									
Styrene	<5		<1	<1	<1	<1	<1	<1	<1
Sulfide, total								<.30	
Tetrachloroethylene	<5		<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0		<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Thionazin								<.4	
Tin, total								<5	
Toluene	<5		<1	<1	<1	<1	<1	<1	<1
Toxaphene								<2	
Trans-1,2-dichloroethylene	<5		<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<5		<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<25		<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<5		<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<5		<1	<1	<1	<1	<1	<1	<1
Vanadium, total	25.1	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	11.6	4.0
Vinyl acetate	<25		<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<5		<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<10		<2	<2	<2	<2	<2	<2	<2
Zinc, total	31.7		<20.0	<20.0	<20.0	<20.0	<20.0	145.0	<5.0

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

Table 9

Analytical Data Summary for MW-9

Constituents	Units	4/7/2014	10/23/2014	4/2/2015	10/26/2015	4/1/2016	10/19/2016	4/17/2017	10/11/2017	6/1/2018
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	11.2	<10.0
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	18.8	4.8	20.2	9.4	8.1	9.2	<4.0	<4.0	<4.0
Barium, total	ug/L	134.0	91.0	132.0	82.4	90.9	83.3	76.0	63.7	70.4
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	1.2	<.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	<8	<8	<8	<8	<8	<8	<8	<8
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	<4.0	<.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	<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	<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	6.8	<4.0	4.4	<4.0	<4.0	<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	<8
Solids, total suspended	mg/L		1280	74						
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	21.0	9.4	<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	10/3/2018	4/8/2019	10/11/2019	4/27/2020	10/9/2020	1/8/2021	4/9/2021	10/25/2021	4/11/2022
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	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0
Acrylonitrile	<5	<5	<5	<5	<5		<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2		<2	<2	<2
Arsenic, total	4.0	<4.0	9.9	15.9	<4.0		<4.0	<4.0	6.2
Barium, total	57.9	75.6	72.9	83.2	63.9		54.4	46.7	90.3
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	2.3
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	<.4	<.4		.5	<.4	1.5
Copper, total	<4.0	<4.0	<4.0	<4.0	13.9	<4.0	<4.0	<4.0	5.3
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	<4.0	<4.0	<4.0	<4.0	6.2		<4.0	<4.0	5.5
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	<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	<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	10/12/2022	4/6/2023	10/9/2023	4/4/2024	10/16/2024	4/7/2025	10/20/2025
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	5.9	5.3	7.4	5.7	4.1	3.7	2.9
Barium, total	53.9	57.2	62.0	56.2	40.8	70.7	58.4
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	1.2
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	<8	<8	<8	<8	<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	1.8	.7	<4	.5	<4	<5	<5
Copper, total	<4.0	5.7	4.9	<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	<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	6.2

* - 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
Northern Plains Regional Landfill
Permit No. 74-SDP-02-76P

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-8	arsenic	4/1/2016	63.5	53.7	44.148	115.402	53.7*
MW-8	arsenic	10/19/2016	107	53.7	46.283	108.267	53.7*
MW-8	arsenic	4/17/2017	55.9	53.7	51.294	107.056	53.7*
MW-8	arsenic	10/11/2017	47.2	53.7	37.133	99.667	53.7*
MW-8	arsenic	6/1/2018	32.5	53.7	22.569	98.731	53.7*
MW-8	arsenic	10/3/2018	9.7	53.7	12.556	60.094	53.7*
MW-8	arsenic	4/8/2019	33.1	53.7	12.374	48.876	53.7*
MW-8	arsenic	10/11/2019	75.7	53.7	5.349	70.151	53.7*
MW-8	arsenic	4/27/2020	56.2	49.3	10.069	77.281	53.7*
MW-8	arsenic	10/9/2020	72.9	49.3	36.446	82.504	53.7*
MW-8	arsenic	4/9/2021	95.1	49.3	56.224	93.726	53.7*
MW-8	arsenic	6/23/2021	57.7	49.3	54.829	86.121	53.7*
MW-8	arsenic	10/25/2021	125	49.3	53.279	122.071	53.7*
MW-8	arsenic	4/11/2022	220	49.3	42.821	206.079	53.7*
MW-8	arsenic	10/12/2022	360	49.3	36.516	344.834	53.7*
MW-8	arsenic	4/6/2023	31.7	49.3	19.287	349.063	53.7*
MW-8	arsenic	10/9/2023	165	49.3	34.306	354.044	53.7*
MW-8	arsenic	4/4/2024	30.9	49.3	0.000	329.719	53.7*
MW-8	arsenic	10/16/2024	33.5	49.3	0.000	143.489	53.7*
MW-8	arsenic	4/7/2025	106	36.5	8.180	159.520	53.7*
MW-8	arsenic	10/20/2025	122	34.9	17.004	129.196	53.7*

Table 10
Historic SSI & SSL
Annual Water Quality Report
Northern Plains Regional Landfill
Permit No. 74-SDP-02-76P

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	4/1/2016	9.4	1	4.481	9.119	4.0*
MW-14	cobalt	10/19/2016	4.1	1	4.01	9.24	4.0*
MW-14	cobalt	4/17/2017	9.2	1	4.552	10.348	4.0*
MW-14	cobalt	10/11/2017	4.6	1	3.453	10.197	4.0*
MW-14	cobalt	6/1/2018	5.4	1	3.104	8.546	4.0*
MW-14	cobalt	10/3/2018	3.1	1	2.519	8.631	4.0*
MW-14	cobalt	4/8/2019	4.7	4	3.312	5.588	4.0*
MW-14	cobalt	10/11/2019	3.2	4	2.766	5.434	4.0*
MW-14	cobalt	4/27/2020	5.6	4	2.724	5.576	4.0*
MW-14	cobalt	10/9/2020	2.4	4	2.278	5.672	4.0*
MW-14	cobalt	4/9/2021	1.3	4	0.979	5.271	4.0*
MW-14	cobalt	10/25/2021	1.1	4	0.153	5.047	4.0*
MW-14	cobalt	4/11/2022	3.1	4	0.866	3.084	4.0*
MW-14	cobalt	10/12/2022	4.1	4	0.698	4.102	4.0*
MW-14	cobalt	4/6/2023	0.9	4	0.468	4.132	4.0*
MW-14	cobalt	10/9/2023	2.1	4	0.939	4.161	4.0*
MW-14	cobalt	4/4/2024	<0.4	4	0.000	3.834	4.0*
MW-14	cobalt	10/16/2024	1.7	4	0.230	2.220	4.0*
MW-14	cobalt	4/7/2025	<0.4	4	0.000	2.220	4.0*
MW-14	cobalt	10/20/2025	2.3	4	0.000	2.356	4.0*

Table 11 – Corrective Action Trend Analysis

Table 11
Corrective Action Trend Analysis
Annual Water Quality Report
Northern Plains Regional Landfill
Permit No. 74-SDP-02-76P

Monitoring Well	Compound	Sample Date	Current Condition	Trend	N	Projected Year to Completion (IAC 113.10(9)"e"
MW-8	arsenic	4/1/2016	SSI	NA	NA	NA
MW-8	arsenic	10/19/2016	SSI	NA	NA	NA
MW-8	arsenic	4/17/2017	SSI	NA	NA	NA
MW-8	arsenic	10/11/2017	No SSI	NA	NA	NA
MW-8	arsenic	6/1/2018	No SSI	NA	NA	NA
MW-8	arsenic	10/3/2018	No SSI	NA	NA	NA
MW-8	arsenic	4/8/2019	No SSI	NA	NA	NA
MW-8	arsenic	10/11/2019	SSI	NA	NA	NA
MW-8	arsenic	4/27/2020	SSI	NA	NA	NA
MW-8	arsenic	10/9/2020	SSI	NA	NA	NA
MW-8	arsenic	4/9/2021	SSI	NA	NA	NA
MW-8	arsenic	6/23/2021	SSI	NA	NA	NA
MW-8	arsenic	10/25/2021	SSI	NA	NA	NA
MW-8	arsenic	4/11/2022	SSI	NA	NA	NA
MW-8	arsenic	10/12/2022	SSI	NA	NA	NA
MW-8	arsenic	4/6/2023	No SSI	NA	NA	NA
MW-8	arsenic	10/9/2023	SSI	NA	NA	NA
MW-8	arsenic	4/4/2024	No SSI	NA	NA	NA
MW-8	arsenic	10/16/2024	No SSI	NA	NA	NA
MW-8	arsenic	4/7/2025	SSI	NA	NA	NA
MW-8	arsenic	10/20/2025	SSI	NA	NA	NA

Table 11
Corrective Action Trend Analysis
Annual Water Quality Report
Northern Plains Regional Landfill
Permit No. 74-SDP-02-76P

Monitoring Well	Compound	Sample Date	Current Condition	Trend	N	Projected Year to Completion (IAC 113.10(9)"e"
MW-14	cobalt	4/1/2016	SSI	decreasing	1	2027
MW-14	cobalt	10/19/2016	SSI	decreasing	2	2027
MW-14	cobalt	4/17/2017	SSI	decreasing	3	2027
MW-14	cobalt	10/11/2017	SSI	decreasing	4	2027
MW-14	cobalt	6/1/2018	SSI	decreasing	5	2027
MW-14	cobalt	10/3/2018	SSI	decreasing	6	2027
MW-14	cobalt	4/8/2019	SSI	decreasing	7	2027
MW-14	cobalt	10/11/2019	No SSI	decreasing	8	2027
MW-14	cobalt	4/27/2020	SSI	decreasing	9	2027
MW-14	cobalt	10/9/2020	No SSI	decreasing	10	2027
MW-14	cobalt	4/9/2021	No SSI	decreasing	11	2027
MW-14	cobalt	10/25/2021	No SSI	decreasing	12	2027
MW-14	cobalt	4/11/2022	No SSI	decreasing	13	2027
MW-14	cobalt	10/12/2022	SSI	decreasing	14	2027
MW-14	cobalt	4/6/2023	No SSI	decreasing	15	2027
MW-14	cobalt	10/9/2023	No SSI	decreasing	16	2027
MW-14	cobalt	4/4/2024	No SSI	decreasing	17	2027
MW-14	cobalt	10/16/2024	No SSI	decreasing	18	2027
MW-14	cobalt	4/7/2025	No SSI	decreasing	19	2027
MW-14	cobalt	10/20/2025	No SSI	decreasing	20	2027

Table 12 – Gas Monitoring Summary

Table 12
Explosive Gas Monitoring Summary
Annual Water Quality Report
Northern Plains Regional Landfill
Permit No. 74-SDP-02-76P

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
	2/27/2025	4/7/2025	7/22/2025	10/20/2025
Location	% LEL	% LEL	% LEL	% LEL
GP-1	0	0	0	0
GP-2	0	0	0	0
GP-3	0	0	0	0
GP-4	0	0	0	0
GP-5	0	0	0	0
GP-6	0	0	0	0
SCALE HOUSE (A)	0	0	0	0
LOAD OUT BLDG (B)	0	0	0	0
PERIMETER	0	0	0	0
GU-1	0	0	0	0
GU-2	0	0	0	0
GU-3	Connected to LCP	Connected to LCP	Connected to LCP	Connected to LCP
MW-6B	0	0	0	0
MW-3AR	0	0	0	0
MW-7A	0	0	0	0
MW-8	0	0	0	0
MW-11	0	0	0	0

NR = No Record

Appendix A

Field Sampling Forms

Northern Plains Sanitary Landfill
PERMIT # 74-SDP-02-76P

4/7/2025

Sampled by: Todd Whipple

Weather conditions: Sunny - windy, 28-38 degrees

IDNR Form 542-1322

Monitoring Well: MW-3AR (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	1229.52
Well Depth	10.05
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	1229.52
Well Depth	10.05
Top Screen	1224.47
Bottom Screen	1219.47
Bottom Well	1219.47
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	5.00
Top sample	1224.52
Bottom sample	1220.52
Turbidity(NTU)	3.60

Date	Time	Water Level	Water Elevation	Notes
4/7/2025	10:17	3.05	1226.47	

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		3.60
Appendix I	Metals	150	150		3.60
Appendix I	VOC	240	240		3.60
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	2-QT			
Supplemental		250			
Total			400	0	

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

TOC	1229.52	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	10.05	Before purging	4/7/2025	10:17	3.05	1226.47		0.0	
		After purging				1229.52			
		Top of Screen New				1224.47			
						5.05			feet above (+) or below (-) top screen
		Bottom of Well New				1219.47			
		Bottom of Well Now	4/7/2025		10.05	1219.47			
						0.00			feet sedimentation
		Before Sampling				1229.52			
		Recovery				1229.52			
		Recovery				1229.52			
		Recovery				1229.52			
		Recovery				1229.52			

Monitoring Well: MW-6B (dg)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1229.02
Well Depth	10.50
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	1229.02
Well Depth	10.50
Top Screen	1221.52
Bottom Screen	1218.52
Bottom Well	1218.52
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	5.00
Top sample	1224.02
Bottom sample	1220.02
Turbidity(NTU)	2.63

Date	Time	Water Level	Water Elevation	Notes
4/7/2025	9:41	6.2	1222.82	

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		2.63
Appendix I	Metals	150	150		2.63
Appendix I	VOC	240	240		2.63
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	2-QT			
Supplemental		250			
Total			400	0	

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

TOC	1229.02	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	10.50	Before purging	4/7/2025	9:41	6.20	1222.82	3	4.3	no
		After purging	4/7/2025	9:57	6.50	1222.52			
		Top of Screen New				1221.52			
						1.00			feet above (+) or below (-) top screen
		Bottom of Well New				1218.52			
		Bottom of Well Now	4/7/2025		10.50	1218.52			
						0.00			feet sedimentation
		Before Sampling				1229.02			
		Recovery				1229.02			
		Recovery				1229.02			
		Recovery				1229.02			
		Recovery				1229.02			

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	1232
Well Depth	11.20
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	1232
Well Depth	11.20
Top Screen	1225.80
Bottom Screen	1220.80
Bottom Well	1220.80
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	6.00
Top sample	1226.00
Bottom sample	1222.00
Turbidity(NTU)	4.26

Date	Time	Water Level	Water Elevation	Notes
4/7/2025	15:22	6.39	1225.61	

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		4.26
Appendix I	Metals	150	150		4.26
Appendix I	VOC	240	240		4.26
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		2-QT			
Supplemental		250			
Total			400	0	

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

TOC	1232	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	11.20	Before purging	4/7/2025	15:22	6.39	1225.61	3	3.8	no
		After purging	4/7/2025	15:37	6.70	1225.30			
		Top of Screen New				1225.80			
						-0.50			feet above (+) or below (-) top screen
		Bottom of Well New				1220.80			
		Bottom of Well Now	4/7/2025		10.75	1221.25			
						0.45			feet sedimentation
		Before Sampling				1232.00			
		Recovery				1232.00			
		Recovery				1232.00			
		Recovery				1232.00			
		Recovery				1232.00			

Monitoring Well: MW-7B (dg)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION	
TOC	1231
Well Depth	34.00
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	1231
Well Depth	34.15
Top Screen	1202.00
Bottom Screen	1197.00
Bottom Well	1197.00
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	29.00
Top sample	1202.00
Bottom sample	1198.00
Turbidity(NTU)	2.73

Date	Time	Water Level	Water Elevation	Notes
4/7/2025	14:55	4.54	1226.46	

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		2.73
Appendix I	Metals	150	150		2.73
Appendix I	VOC	240	240		2.73
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		2-QT			
Supplemental		250			
Total			400	0	

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

TOC	1231	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	34.00	Before purging	4/7/2025	14:55	4.54	1226.46	5.5	1.1	no
		After purging	4/7/2025	15:11	9.50	1221.50			
		Top of Screen New				1202.00			
						19.50			feet above (+) or below (-) top screen
		Bottom of Well New				1197.00			
		Bottom of Well Now	4/7/2025		35.00	1196.00			
						-1.00			feet sedimentation
		Before Sampling				1231.00			
		Recovery				1231.00			
		Recovery				1231.00			
		Recovery				1231.00			
		Recovery				1231.00			

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	1229.7
Well Depth	10.05
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	1229.7
Well Depth	10.05
Top Screen	1224.51
Bottom Screen	1219.51
Bottom Well	1219.51
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	5.00
Top sample	1224.70
Bottom sample	1220.70
Turbidity(NTU)	223.10

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Date	Time	Water Level	Water Elevation	Notes
4/7/2025	13:48	4.85	1224.85	

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		223.10
Appendix I	Metals	150	150		223.10
Appendix I	VOC	240	240		223.10
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	Sulfide	2-QT			
Supplemental		250			
Total			400	0	

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

TOC	1229.7	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	10.05	Before purging	4/7/2025	13:48	4.85	1224.85	3	3.5	no
		After purging	4/7/2025	14:06	5.55	1224.15			
		Top of Screen New				1224.51			
						-0.36			feet above (+) or below (-) top screen
		Bottom of Well New				1219.51			
		Bottom of Well Now	4/7/2025		10.25	1219.45			
						-0.06			feet sedimentation
		Before Sampling				1229.70			
		Recovery				1229.70			
		Recovery				1229.70			
		Recovery				1229.70			
		Recovery				1229.70			

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	1238.5
Well Depth	12.96
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	1238.5
Well Depth	12.96
Top Screen	1230.54
Bottom Screen	1225.54
Bottom Well	1225.54
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	9.00
Top sample	1229.50
Bottom sample	1225.50
Turbidity(NTU)	7.50

Date	Time	Water Level	Water Elevation	Notes
4/7/2025	11:20	3.28	1235.22	

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		7.50
Appendix I	Metals	150	150		7.50
Appendix I	VOC	240	240		7.50
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		2-QT			
Supplemental		250			
Total			400	0	

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

TOC	1238.5	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	12.96	Before purging	4/7/2025	11:20	3.28	1235.22		0.0	
		After purging				1238.50			
		Top of Screen New				1230.54			
						7.96	feet above (+) or below (-) top screen		
		Bottom of Well New				1225.54			
		Bottom of Well Now	4/7/2025		14.60	1223.90			
						-1.64	feet sedimentation		
		Before Sampling				1238.50			
		Recovery				1238.50			
		Recovery				1238.50			
		Recovery				1238.50			
		Recovery				1238.50			

Monitoring Well: MW-10 (ug)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION	
TOC	1280
Well Depth	25.12
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	1280
Well Depth	25.12
Top Screen	1265.00
Bottom Screen	1255.00
Bottom Well	1255.00
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	19.00
Top sample	1261.00
Bottom sample	1257.00
Turbidity(NTU)	2.64

Date	Time	Water Level	Water Elevation	Notes
4/7/2025	11:45	5.45	1274.55	

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		2.64
Appendix I	Metals	150	150		2.64
Appendix I	VOC	240	240		2.64
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	2-QT			
Supplemental		250			
Total			400	0	

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

TOC	1280	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	25.12	Before purging	4/7/2025	11:45	5.45	1274.55		0.0	
		After purging				1280.00			
		Top of Screen New				1265.00			
						15.00			feet above (+) or below (-) top screen
		Bottom of Well New				1255.00			
		Bottom of Well Now	4/7/2025		25.10	1254.90			
						-0.10			feet sedimentation
		Before Sampling				1280.00			
		Recovery	4/4/2024	9:15	22.45	1257.55			
		Recovery	4/4/2024	15:46	4.92	1275.08			
		Recovery				1280.00			
		Recovery				1280.00			

Monitoring Well: MW-11 (ug)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION	
TOC	1289.8
Well Depth	20.00
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	1289.8
Well Depth	20.00
Top Screen	1279.80
Bottom Screen	1269.80
Bottom Well	1269.80
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	15.00
Top sample	1274.80
Bottom sample	1270.80
Turbidity(NTU)	2.73

Date	Time	Water Level	Water Elevation	Notes
4/7/2025	12:58	7.22	1282.58	

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		2.73
Appendix I	Metals	150	150		2.73
Appendix I	VOC	240	240		2.73
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		2-QT			
Supplemental		250			
Total			400	0	

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

TOC	1289.8	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	20.00	Before purging	4/7/2025	12:58	7.22	1282.58		0.0	
		After purging				1289.80			
		Top of Screen New				1279.80			
						10.00			feet above (+) or below (-) top screen
		Bottom of Well New				1269.80			
		Bottom of Well Now	4/7/2025		20.55	1269.25			
						-0.55			feet sedimentation
		Before Sampling				1289.80			
		Recovery				1289.80			
		Recovery				1289.80			
		Recovery				1289.80			
		Recovery				1289.80			

Monitoring Well: MW-12 (ug)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1289.1
Well Depth	57.20
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	1289.1
Well Depth	57.20
Top Screen	1251.90
Bottom Screen	1231.90
Bottom Well	1231.90
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	51.00
Top sample	1238.10
Bottom sample	1234.10
Turbidity(NTU)	6.83

Date	Time	Water Level	Water Elevation	Notes
4/7/2025	13:08	30.9	1258.2	

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		6.83
Appendix I	Metals	150	150		6.83
Appendix I	VOC	240	240		6.83
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		2-QT			
Supplemental		250			
Total			400	0	

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

TOC	1289.1	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	57.20	Before purging	4/7/2025	13:08	30.90	1257.70		0.0	
		After purging				1288.60			
		Top of Screen New				1251.90			
						36.70	feet above (+) or below (-) top screen		
		Bottom of Well New				1231.90			
		Bottom of Well Now	4/7/2025		56.70	1231.90			
						0.00	feet sedimentation		
		Before Sampling				1288.60			
		Recovery				1288.60			
		Recovery				1288.60			
		Recovery				1288.60			
		Recovery				1288.60			

Monitoring Well: MW-13 (ug)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION	
TOC	1288.6
Well Depth	75.30
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	1288.6
Well Depth	75.30
Top Screen	1223.30
Bottom Screen	1213.30
Bottom Well	1213.30
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	69.00
Top sample	1219.60
Bottom sample	1215.60
Turbidity(NTU)	3.33

Date	Time	Water Level	Water Elevation	Notes
4/7/2025	12:50	34.5	1254.1	

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			3.33
Appendix I	Metals	150			3.33
Appendix I	VOC	240			3.33
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		2-QT			
Supplemental		250			
Total			0	0	

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

TOC	1288.6	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	75.30	Before purging	4/7/2025	12:50	34.50	1254.10		0.0	
		After purging				1288.60			
		Top of Screen New				1223.30			
						65.30			feet above (+) or below (-) top screen
		Bottom of Well New				1213.30			
		Bottom of Well Now	4/7/2025		75.10	1213.50			
						0.20			feet sedimentation
		Before Sampling				1288.60			
		Recovery				1288.60			
		Recovery				1288.60			
		Recovery				1288.60			
		Recovery				1288.60			

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	1229.76
Well Depth	12.50
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	1229.76
Well Depth	12.50
Top Screen	1222.26
Bottom Screen	1217.26
Bottom Well	1217.26
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	7.00
Top sample	1222.76
Bottom sample	1218.76
Turbidity(NTU)	10.88

Date	Time	Water Level	Water Elevation	Notes
4/7/2025	9:10	4.09	1225.67	

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		10.88
Appendix I	Metals	150	150		10.88
Appendix I	VOC	240	240		10.88
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	2-QT			
Supplemental	Sulfide	250			
Total			400	0	

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

TOC	1229.76	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	12.50	Before purging	4/7/2025	9:10	4.09	1225.67	4	2.9	no
		After purging	4/7/2025	9:30	6.05	1223.71			
		Top of Screen New				1222.26			
						1.45			feet above (+) or below (-) top screen
		Bottom of Well New				1217.26			
		Bottom of Well Now	4/7/2025		12.30	1217.46			
						0.20			feet sedimentation
		Before Sampling				1229.76			
		Recovery				1229.76			
		Recovery				1229.76			
		Recovery				1229.76			
		Recovery				1229.76			

Monitoring Well: MW-15 (dg)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION	
TOC	1231.22
Well Depth	12.50
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	1231.22
Well Depth	12.50
Top Screen	1223.92
Bottom Screen	1218.72
Bottom Well	1218.72
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	7.00
Top sample	1224.22
Bottom sample	1220.22
Turbidity(NTU)	4.22

Date	Time	Water Level	Water Elevation	Notes
4/7/2025	14:28	3.51	1227.71	

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		4.22
Appendix I	Metals	150	150		4.22
Appendix I	VOC	240	240		4.22
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	Sulfide	2-QT			
Supplemental	BEHP	250			
Total			400	0	

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

TOC	1231.22	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	12.50	Before purging	4/7/2025	14:28	3.51	1227.71	5	3.4	no
		After purging	4/7/2025	14:42	4.30	1226.92			
		Top of Screen New				1223.72			
						3.20			feet above (+) or below (-) top screen
		Bottom of Well New				1218.72			
		Bottom of Well Now	4/7/2025		12.50	1218.72			
						0.00			feet sedimentation
		Before Sampling				1231.22			
		Recovery				1231.22			
		Recovery				1231.22			
		Recovery				1231.22			
		Recovery				1231.22			

Monitoring Well: MW-16 (dg)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION	
TOC	1232.43
Well Depth	12.50
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	1232.43
Well Depth	12.50
Top Screen	1224.93
Bottom Screen	1219.43
Bottom Well	1219.43
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	7.00
Top sample	1225.43
Bottom sample	1221.43
Turbidity(NTU)	81.54

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Date	Time	Water Level	Water Elevation	Notes
4/7/2025	10:50	5.18	1227.25	

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		81.54
Appendix I	Metals	150	150		81.54
Appendix I	VOC	240	240		81.54
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis(2-EH)Phthalate	2-QT			
Supplemental	Sulfide	250			
Total			400	0	

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

TOC	1232.43	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	12.50	Before purging	4/7/2025	10:50	5.18	1227.25		0.0	
		After purging				1232.43			
		Top of Screen New				1224.93			
						7.50	feet above (+) or below (-) top screen		
		Bottom of Well New				1219.93			
		Bottom of Well Now	4/7/2025		12.30	1220.13			
						0.20	feet sedimentation		
		Before Sampling				1232.43			
		Recovery				1232.43			
		Recovery				1232.43			
		Recovery				1232.43			
		Recovery				1232.43			

Monitoring Well: MW-17 (ug)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION	
TOC	1234.33
Well Depth	20.20
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	1234.33
Well Depth	20.20
Top Screen	1224.13
Bottom Screen	1214.13
Bottom Well	1214.13
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	15.00
Top sample	1219.33
Bottom sample	1215.33
Turbidity(NTU)	127.50

red

Date	Time	Water Level	Water Elevation	Notes
4/7/2025	11:07	7.41	1226.92	

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		127.50
Appendix I	Metals	150	150		127.50
Appendix I	VOC	240	240		127.50
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		2-QT			
Supplemental		250			
Total			400	0	

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

TOC	1234.33	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	20.20	Before purging	4/7/2025	11:07	7.41	1226.92		0.0	
		After purging				1234.33			
		Top of Screen New				1224.13			
						10.20			feet above (+) or below (-) top screen
		Bottom of Well New				1214.13			
		Bottom of Well Now	4/7/2025		20.55	1213.78			
						-0.35			feet sedimentation
		Before Sampling				1234.33			
		Recovery				1234.33			
		Recovery				1234.33			
		Recovery				1234.33			
		Recovery				1234.33			

Monitoring Well: MW-18 (up)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION	
TOC	1289.3
Well Depth	76.60
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	1289.3
Well Depth	76.60
Top Screen	1222.70
Bottom Screen	1212.70
Bottom Well	1212.70
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	70.00
Top sample	1219.30
Bottom sample	1215.30
Turbidity(NTU)	1.83

Date	Time	Water Level	Water Elevation	Notes
4/7/2025	12:25	34.75	1254.55	

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		1.83
Appendix I	Metals	150	150		1.83
Appendix I	VOC	240	240		1.83
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis(2-EH)Phthalate	2-QT			
Supplemental	Sulfide	250			
Total			400	0	

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

TOC	1289.3	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	76.60	Before purging	4/7/2025	12:25	34.75	1254.55		0.0	
		After purging				1289.30			
		Top of Screen New				1222.70			
						66.60			feet above (+) or below (-) top screen
		Bottom of Well New				1212.70			
		Bottom of Well Now	4/7/2025		76.60	1212.70			
						0.00			feet sedimentation
		Before Sampling				1289.30			
		Recovery				1289.30			
		Recovery				1289.30			
		Recovery				1289.30			
		Recovery				1289.30			

Monitoring Well: MW-19 (up)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION	
TOC	1289.61
Well Depth	27.80
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	1289.61
Well Depth	27.80
Top Screen	1271.81
Bottom Screen	1261.81
Bottom Well	1261.81
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	22.00
Top sample	1267.61
Bottom sample	1263.61
Turbidity(NTU)	2.01

Date	Time	Water Level	Water Elevation	Notes
4/7/2025	12:21	6.81	1282.8	

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		2.01
Appendix I	Metals	150	150		2.01
Appendix I	VOC	240	240		2.01
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis(2-EH)Phthalate	2-QT			
Supplemental	Sulfide	250			
Total			400	0	

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

TOC	1289.61	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	27.80	Before purging	4/7/2025	12:21	6.81	1282.80		0.0	
		After purging				1289.61			
		Top of Screen New				1271.81			
						17.80	feet above (+) or below (-) top screen		
		Bottom of Well New				1261.81			
		Bottom of Well Now	4/7/2025		27.80	1261.81			
						0.00	feet sedimentation		
		Before Sampling				1289.61			
		Recovery				1289.61			
		Recovery				1289.61			
		Recovery				1289.61			
		Recovery				1289.61			

Monitoring Well: MW-20 (up)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION	
TOC	1282.77
Well Depth	66.55
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	1282.77
Well Depth	66.55
Top Screen	1226.22
Bottom Screen	1216.22
Bottom Well	1216.22
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	60.00
Top sample	1222.77
Bottom sample	1218.77
Turbidity(NTU)	1.74

Date	Time	Water Level	Water Elevation	Notes
4/7/2025	12:07	28.75	1254.02	

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		1.74
Appendix I	Metals	150	150		1.74
Appendix I	VOC	240	240		1.74
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis(2-EH)Phthalate	2-QT			
Supplemental	Sulfide	250			
Total			400	0	

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

TOC	1282.77	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	66.55	Before purging	4/7/2025	12:07	28.75	1254.02		0.0	
		After purging				1282.77			
		Top of Screen New				1226.22			
						56.55			feet above (+) or below (-) top screen
		Bottom of Well New				1216.22			
		Bottom of Well Now	4/7/2025		66.55	1216.22			
						0.00			feet sedimentation
		Before Sampling				1282.77			
		Recovery				1282.77			
		Recovery				1282.77			
		Recovery				1282.77			
		Recovery				1282.77			

Monitoring Well: MW-21 (up)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION	
TOC	1282.69
Well Depth	27.80
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	1282.69
Well Depth	27.80
Top Screen	1264.89
Bottom Screen	1254.89
Bottom Well	1254.89
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	22.00
Top sample	1260.69
Bottom sample	1256.69
Turbidity(NTU)	2.04

Date	Time	Water Level	Water Elevation	Notes
4/7/2025	12:03	6.74	1275.95	

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		2.04
Appendix I	Metals	150	150		2.04
Appendix I	VOC	240	240		2.04
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis(2-EH)Phthalate	2-QT			
Supplemental	Sulfide	250			
Total			400	0	

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

TOC	1282.69	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	27.80	Before purging	4/7/2025	12:03	6.74	1275.95		0.0	
		After purging				1282.69			
		Top of Screen New				1264.89			
						17.80			feet above (+) or below (-) top screen
		Bottom of Well New				1254.89			
		Bottom of Well Now	4/7/2025		27.80	1254.89			
						0.00			feet sedimentation
		Before Sampling				1282.69			
		Recovery				1282.69			
		Recovery				1282.69			
		Recovery				1282.69			
		Recovery				1282.69			

4/7/2025

Sampled by: Todd Whipple

Weather conditions:

Sunny - windy, 28-38 degrees

IDNR Form 542-1324

GU#1	Date	Time	Type	Flowing	Quantity		Discolored	Odor	Litter	
	4/7/2025	11:30	grd water underdrain	yes	250 ml/10 sec		No	No	No	
							pH	Conductivity	Temp.(C)	Turbidity(NTU)
							NT	NT	NT	2.59

IDNR Form 542-1324

GU#2	Date	Time	Type	Flowing	Quantity	Discolored	Odor	Litter	
	4/7/2025	10:35	groundwater underdrain	yes	250 ml/20 sec	No	No	No	
						pH	Conductivity	Temp.(C)	Turbidity(NTU)
						NT	NT	NT	2.15

Northern Plains Sanitary Landfill
PERMIT # 74-SDP-02-76P

10/9/2025

Sampled by: Todd Whipple

Weather conditions: Sunny AM/Overcast PM - windy, 45-55 degrees

IDNR Form 542-1322

Monitoring Well: MW-3AR (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	1229.52
Well Depth	10.05
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	1229.52
Well Depth	10.05
Top Screen	1224.47
Bottom Screen	1219.47
Bottom Well	1219.47
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	
Top sample	1229.52
Bottom sample	1225.52
Turbidity(NTU)	

Date	Time	Water Level	Water Elevation	Notes
10/9/2025			1229.52	DRY

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		0.00
Appendix I	Metals	150	150		0.00
Appendix I	VOC	240	240		0.00
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	2-QT			
Supplemental		250			
Total			400	0	

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

TOC	1229.52	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	10.05	Before purging	10/9/2025	0:00	0.00	1229.52		0.0	
		After purging				1229.52			
		Top of Screen New				1224.47			
						5.05	feet above (+) or below (-) top screen		
		Bottom of Well New				1219.47			
		Bottom of Well Now	10/9/2025		10.05	1219.47			
						0.00	feet sedimentation		
		Before Sampling				1229.52			
		Recovery				1229.52			
		Recovery				1229.52			
		Recovery				1229.52			
		Recovery				1229.52			

Monitoring Well: MW-6B (dg)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION	
TOC	1229.02
Well Depth	10.50
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	1229.02
Well Depth	10.50
Top Screen	1221.52
Bottom Screen	1218.52
Bottom Well	1218.52
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	
Top sample	1229.02
Bottom sample	1225.02
Turbidity(NTU)	

Date	Time	Water Level	Water Elevation	Notes
10/9/2025			1229.02	dry

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		0.00
Appendix I	Metals	150	150		0.00
Appendix I	VOC	240	240		0.00
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	2-QT			
Supplemental		250			
Total			400	0	

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

TOC	1229.02	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	10.50	Before purging	10/9/2025	0:00	0.00	1229.02		0.0	
		After purging				1229.02			
		Top of Screen New				1221.52			
						7.50	feet above (+) or below (-) top screen		
		Bottom of Well New				1218.52			
		Bottom of Well Now	10/9/2025		10.50	1218.52			
						0.00	feet sedimentation		
		Before Sampling				1229.02			
		Recovery				1229.02			
		Recovery				1229.02			
		Recovery				1229.02			
		Recovery				1229.02			

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	1232
Well Depth	11.20
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	1232
Well Depth	11.20
Top Screen	1225.80
Bottom Screen	1220.80
Bottom Well	1220.80
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	
Top sample	1232.00
Bottom sample	1228.00
Turbidity(NTU)	

Date	Time	Water Level	Water Elevation	Notes
10/9/2025			1232	dry

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		0.00
Appendix I	Metals	150	150		0.00
Appendix I	VOC	240	240		0.00
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		2-QT			
Supplemental		250			
Total			400	0	

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

TOC	1232	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	11.20	Before purging	10/9/2025	0:00	0.00	1232.00		0.0	
		After purging				1232.00			
		Top of Screen New				1225.80			
						6.20	feet above (+) or below (-) top screen		
		Bottom of Well New				1220.80			
		Bottom of Well Now	10/9/2025		11.20	1220.80			
						0.00	feet sedimentation		
		Before Sampling				1232.00			
		Recovery				1232.00			
		Recovery				1232.00			
		Recovery				1232.00			
		Recovery				1232.00			

Monitoring Well: MW-7B (dg)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION	
TOC	1231
Well Depth	34.00
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	1231
Well Depth	34.15
Top Screen	1202.00
Bottom Screen	1197.00
Bottom Well	1197.00
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	30.00
Top sample	1201.00
Bottom sample	1197.00
Turbidity(NTU)	0.30

Date	Time	Water Level	Water Elevation	Notes
10/9/2025	10:55	9.7	1221.3	

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		0.30
Appendix I	Metals	150	150		0.30
Appendix I	VOC	240	240		0.30
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		2-QT			
Supplemental		250			
Total			400	0	

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

TOC	1231	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	34.00	Before purging	10/9/2025	10:55	9.70	1221.30		0.0	
		After purging				1231.00			
		Top of Screen New				1202.00			
						29.00			feet above (+) or below (-) top screen
		Bottom of Well New				1197.00			
		Bottom of Well Now	10/9/2025		35.00	1196.00			
						-1.00			feet sedimentation
		Before Sampling				1231.00			
		Recovery				1231.00			
		Recovery				1231.00			
		Recovery				1231.00			
		Recovery				1231.00			

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	1229.7
Well Depth	10.05
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	1229.7
Well Depth	10.05
Top Screen	1224.51
Bottom Screen	1219.51
Bottom Well	1219.51
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	6.00
Top sample	1223.70
Bottom sample	1219.70
Turbidity(NTU)	2.08

Date	Time	Water Level	Water Elevation	Notes
10/9/2025	11:35	6.23	1223.47	

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		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	Sulfide	2-QT			
Supplemental		250			
Total			400	0	

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

TOC	1229.7	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	10.05	Before purging	10/9/2025	11:35	6.23	1223.47		0.0	
		After purging				1229.70			
		Top of Screen New				1224.51			
						5.19	feet above (+) or below (-) top screen		
		Bottom of Well New				1219.51			
		Bottom of Well Now	10/9/2025		10.25	1219.45			
						-0.06	feet sedimentation		
		Before Sampling				1229.70			
		Recovery				1229.70			
		Recovery				1229.70			
		Recovery				1229.70			
		Recovery				1229.70			

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	1238.5
Well Depth	12.96
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	1238.5
Well Depth	12.96
Top Screen	1230.54
Bottom Screen	1225.54
Bottom Well	1225.54
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	8.50
Top sample	1230.00
Bottom sample	1226.00
Turbidity(NTU)	0.31

Date	Time	Water Level	Water Elevation	Notes
10/9/2025	12:02	4.91	1233.59	

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		0.31
Appendix I	Metals	150	150		0.31
Appendix I	VOC	240	240		0.31
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		2-QT			
Supplemental		250			
Total			400	0	

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

TOC	1238.5	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	12.96	Before purging	10/9/2025	12:02	4.91	1233.59		0.0	
		After purging				1238.50			
		Top of Screen New				1230.54			
						7.96	feet above (+) or below (-) top screen		
		Bottom of Well New				1225.54			
		Bottom of Well Now	10/9/2025		14.60	1223.90			
						-1.64	feet sedimentation		
		Before Sampling				1238.50			
		Recovery				1238.50			
		Recovery				1238.50			
		Recovery				1238.50			
		Recovery				1238.50			

Monitoring Well: MW-10 (ug)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION	
TOC	1280
Well Depth	25.12
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	1280
Well Depth	25.12
Top Screen	1265.00
Bottom Screen	1255.00
Bottom Well	1255.00
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	20.00
Top sample	1260.00
Bottom sample	1256.00
Turbidity(NTU)	0.40

Date	Time	Water Level	Water Elevation	Notes
10/9/2025	12:36	14:57	1279.38	

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		0.40
Appendix I	Metals	150	150		0.40
Appendix I	VOC	240	240		0.40
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	2-QT			
Supplemental		250			
Total			400	0	

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

TOC	1280	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	25.12	Before purging	10/9/2025	12:36	0.62	1279.38		0.0	
		After purging				1280.00			
		Top of Screen New				1265.00			
						15.00			feet above (+) or below (-) top screen
		Bottom of Well New				1255.00			
		Bottom of Well Now	10/9/2025		25.10	1254.90			
						-0.10			feet sedimentation
		Before Sampling				1280.00			
		Recovery	4/4/2024	9:15	22.45	1257.55			
		Recovery	4/4/2024	15:46	4.92	1275.08			
		Recovery				1280.00			
		Recovery				1280.00			

Monitoring Well: MW-11 (ug)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION	
TOC	1289.8
Well Depth	20.00
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	1289.8
Well Depth	20.00
Top Screen	1279.80
Bottom Screen	1269.80
Bottom Well	1269.80
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	15.00
Top sample	1274.80
Bottom sample	1270.80
Turbidity(NTU)	0.49

Date	Time	Water Level	Water Elevation	Notes
10/9/2025	9:34	9.87	1279.93	

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		0.49
Appendix I	Metals	150	150		0.49
Appendix I	VOC	240	240		0.49
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		2-QT			
Supplemental		250			
Total			400	0	

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

TOC	1289.8	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	20.00	Before purging	10/9/2025	9:34	9.87	1279.93		0.0	
		After purging				1289.80			
		Top of Screen New				1279.80			
						10.00	feet above (+) or below (-) top screen		
		Bottom of Well New				1269.80			
		Bottom of Well Now	10/9/2025		20.55	1269.25			
						-0.55	feet sedimentation		
		Before Sampling				1289.80			
		Recovery				1289.80			
		Recovery				1289.80			
		Recovery				1289.80			
		Recovery				1289.80			

Monitoring Well: MW-12 (ug)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION	
TOC	1289.1
Well Depth	57.20
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	1289.1
Well Depth	57.20
Top Screen	1251.90
Bottom Screen	1231.90
Bottom Well	1231.90
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	51.00
Top sample	1238.10
Bottom sample	1234.10
Turbidity(NTU)	1.71

Date	Time	Water Level	Water Elevation	Notes
10/9/2025	9:40	29.06	1260.04	

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		1.71
Appendix I	Metals	150	150		1.71
Appendix I	VOC	240	240		1.71
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		2-QT			
Supplemental		250			
Total			400	0	

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

TOC	1289.1	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	57.20	Before purging	10/9/2025	9:40	29.06	1259.54		0.0	
		After purging				1288.60			
		Top of Screen New				1251.90			
						36.70	feet above (+) or below (-) top screen		
		Bottom of Well New				1231.90			
		Bottom of Well Now	10/9/2025		56.70	1231.90			
						0.00	feet sedimentation		
		Before Sampling				1288.60			
		Recovery				1288.60			
		Recovery				1288.60			
		Recovery				1288.60			
		Recovery				1288.60			

Monitoring Well: MW-13 (ug)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION	
TOC	1288.6
Well Depth	75.30
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	1288.6
Well Depth	75.30
Top Screen	1223.30
Bottom Screen	1213.30
Bottom Well	1213.30
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	
Top sample	1288.60
Bottom sample	1284.60
Turbidity(NTU)	

Date	Time	Water Level	Water Elevation	Notes
10/9/2025			1288.6	No Sample - Sampler broke

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			0.00
Appendix I	Metals	150			0.00
Appendix I	VOC	240			0.00
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		2-QT			
Supplemental		250			
Total			0	0	

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

TOC	1288.6	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	75.30	Before purging	10/9/2025	0:00	0.00	1288.60		0.0	
		After purging				1288.60			
		Top of Screen New				1223.30			
						65.30	feet above (+) or below (-) top screen		
		Bottom of Well New				1213.30			
		Bottom of Well Now	10/9/2025		75.10	1213.50			
						0.20	feet sedimentation		
		Before Sampling				1288.60			
		Recovery	4/4/2024	11:02	34.26	1254.34			
		Recovery		No significant draw down		1288.60			
		Recovery				1288.60			
		Recovery				1288.60			

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	1229.76
Well Depth	12.50
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	1229.76
Well Depth	12.50
Top Screen	1222.26
Bottom Screen	1217.26
Bottom Well	1217.26
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	9.00
Top sample	1220.76
Bottom sample	1216.76
Turbidity(NTU)	0.65

Date	Time	Water Level	Water Elevation	Notes
10/9/2025	10:40	8.77	1220.99	

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		0.65
Appendix I	Metals	150	150		0.65
Appendix I	VOC	240	240		0.65
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	2-QT			
Supplemental	Sulfide	250			
Total			400	0	

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

TOC	1229.76	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	12.50	Before purging	10/9/2025	10:40	8.77	1220.99		0.0	
		After purging				1229.76			
		Top of Screen New				1222.26			
						7.50	feet above (+) or below (-) top screen		
		Bottom of Well New				1217.26			
		Bottom of Well Now	10/9/2025		12.30	1217.46			
						0.20	feet sedimentation		
		Before Sampling				1229.76			
		Recovery				1229.76			
		Recovery				1229.76			
		Recovery				1229.76			
		Recovery				1229.76			

Monitoring Well: MW-15 (dg)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION	
TOC	1231.22
Well Depth	12.50
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	1231.22
Well Depth	12.50
Top Screen	1223.92
Bottom Screen	1218.72
Bottom Well	1218.72
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	7.70
Top sample	1223.52
Bottom sample	1219.52
Turbidity(NTU)	0.70

Date	Time	Water Level	Water Elevation	Notes
10/9/2025	11:15	7.75	1223.47	

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		0.70
Appendix I	Metals	150	150		0.70
Appendix I	VOC	240	240		0.70
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	Sulfide	2-QT			
Supplemental	BEHP	250			
Total			400	0	

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

TOC	1231.22	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	12.50	Before purging	10/9/2025	11:15	7.75	1223.47		0.0	
		After purging				1231.22			
		Top of Screen New				1223.72			
						7.50	feet above (+) or below (-) top screen		
		Bottom of Well New				1218.72			
		Bottom of Well Now	10/9/2025		12.50	1218.72			
						0.00	feet sedimentation		
		Before Sampling				1231.22			
		Recovery				1231.22			
		Recovery				1231.22			
		Recovery				1231.22			
		Recovery				1231.22			

Monitoring Well: MW-16 (dg)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION	
TOC	1232.43
Well Depth	12.50
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	1232.43
Well Depth	12.50
Top Screen	1224.93
Bottom Screen	1219.43
Bottom Well	1219.43
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	7.00
Top sample	1225.43
Bottom sample	1221.43
Turbidity(NTU)	0.32

Date	Time	Water Level	Water Elevation	Notes
10/9/2025	11:25	6.88	1225.55	

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		0.32
Appendix I	Metals	150	150		0.32
Appendix I	VOC	240	240		0.32
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis(2-EH)Phthalate	2-QT			
Supplemental	Sulfide	250			
Total			400	0	

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

TOC	1232.43	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	12.50	Before purging	10/9/2025	11:25	6.88	1225.55		0.0	
		After purging				1232.43			
		Top of Screen New				1224.93			
						7.50	feet above (+) or below (-) top screen		
		Bottom of Well New				1219.93			
		Bottom of Well Now	10/9/2025		12.30	1220.13			
						0.20	feet sedimentation		
		Before Sampling				1232.43			
		Recovery				1232.43			
		Recovery				1232.43			
		Recovery				1232.43			
		Recovery				1232.43			

Monitoring Well: MW-17 (ug)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION	
TOC	1234.33
Well Depth	20.20
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	1234.33
Well Depth	20.20
Top Screen	1224.13
Bottom Screen	1214.13
Bottom Well	1214.13
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	15.00
Top sample	1219.33
Bottom sample	1215.33
Turbidity(NTU)	0.39

Date	Time	Water Level	Water Elevation	Notes
10/9/2025	12:17	8.67	1225.66	

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		0.39
Appendix I	Metals	150	150		0.39
Appendix I	VOC	240	240		0.39
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		2-QT			
Supplemental		250			
Total			400	0	

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

TOC	1234.33	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	20.20	Before purging	10/9/2025	12:17	8.67	1225.66		0.0	
		After purging				1234.33			
		Top of Screen New				1224.13			
						10.20	feet above (+) or below (-) top screen		
		Bottom of Well New				1214.13			
		Bottom of Well Now	10/9/2025		20.55	1213.78			
						-0.35	feet sedimentation		
		Before Sampling				1234.33			
		Recovery				1234.33			
		Recovery				1234.33			
		Recovery				1234.33			
		Recovery				1234.33			

Monitoring Well: MW-18 (up)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION	
TOC	1289.3
Well Depth	76.60
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	1289.3
Well Depth	76.60
Top Screen	1222.70
Bottom Screen	1212.70
Bottom Well	1212.70
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	70.00
Top sample	1219.30
Bottom sample	1215.30
Turbidity(NTU)	0.38

Date	Time	Water Level	Water Elevation	Notes
10/9/2025	12:47	34.56	1254.74	

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		0.38
Appendix I	Metals	150	150		0.38
Appendix I	VOC	240	240		0.38
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis(2-EH)Phthalate	2-QT			
Supplemental	Sulfide	250			
Total			400	0	

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

TOC	1289.3	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	76.60	Before purging	10/9/2025	12:47	34.56	1254.74		0.0	
		After purging				1289.30			
		Top of Screen New				1222.70			
						66.60			feet above (+) or below (-) top screen
		Bottom of Well New				1212.70			
		Bottom of Well Now	10/9/2025		76.60	1212.70			
						0.00			feet sedimentation
		Before Sampling				1289.30			
		Recovery				1289.30			
		Recovery				1289.30			
		Recovery				1289.30			
		Recovery				1289.30			

Monitoring Well: MW-19 (up)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION	
TOC	1289.61
Well Depth	27.80
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	1289.61
Well Depth	27.80
Top Screen	1271.81
Bottom Screen	1261.81
Bottom Well	1261.81
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	22.00
Top sample	1267.61
Bottom sample	1263.61
Turbidity(NTU)	1.37

Date	Time	Water Level	Water Elevation	Notes
10/9/2025	8:52	9.89	1279.72	

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		1.37
Appendix I	Metals	150	150		1.37
Appendix I	VOC	240	240		1.37
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis(2-EH)Phthalate	2-QT			
Supplemental	Sulfide	250			
Total			400	0	

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

TOC	1289.61	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	27.80	Before purging	10/9/2025	8:52	9.89	1279.72		0.0	
		After purging				1289.61			
		Top of Screen New				1271.81			
						17.80			feet above (+) or below (-) top screen
		Bottom of Well New				1261.81			
		Bottom of Well Now	10/9/2025		27.80	1261.81			
						0.00			feet sedimentation
		Before Sampling				1289.61			
		Recovery				1289.61			
		Recovery				1289.61			
		Recovery				1289.61			
		Recovery				1289.61			

Monitoring Well: MW-20 (up)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION	
TOC	1282.77
Well Depth	66.55
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	1282.77
Well Depth	66.55
Top Screen	1226.22
Bottom Screen	1216.22
Bottom Well	1216.22
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	60.00
Top sample	1222.77
Bottom sample	1218.77
Turbidity(NTU)	1.91

Date	Time	Water Level	Water Elevation	Notes
10/9/2025	8:13	28.84	1253.93	

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		1.91
Appendix I	Metals	150	150		1.91
Appendix I	VOC	240	240		1.91
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis(2-EH)Phthalate	2-QT			
Supplemental	Sulfide	250			
Total			400	0	

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

TOC	1282.77	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	66.55	Before purging	10/9/2025	8:13	28.84	1253.93		0.0	
		After purging				1282.77			
		Top of Screen New				1226.22			
						56.55			feet above (+) or below (-) top screen
		Bottom of Well New				1216.22			
		Bottom of Well Now	10/9/2025		66.55	1216.22			
						0.00			feet sedimentation
		Before Sampling				1282.77			
		Recovery				1282.77			
		Recovery				1282.77			
		Recovery				1282.77			
		Recovery				1282.77			

Monitoring Well: MW-21 (up)

Primary Sampling Method: No-Purge for Appendix I

Secondary Sampling Method: Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	1282.69
Well Depth	27.80
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	1282.69
Well Depth	27.80
Top Screen	1264.89
Bottom Screen	1254.89
Bottom Well	1254.89
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	22.00
Top sample	1260.69
Bottom sample	1256.69
Turbidity(NTU)	0.83

Date	Time	Water Level	Water Elevation	Notes
10/9/2025	8:20	11.75	1270.94	

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		0.83
Appendix I	Metals	150	150		0.83
Appendix I	VOC	240	240		0.83
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	bis(2-EH)Phthalate	2-QT			
Supplemental	Sulfide	250			
Total			400	0	

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

TOC	1282.69	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	27.80	Before purging	10/9/2025	8:20	11.75	1270.94		0.0	
		After purging				1282.69			
		Top of Screen New				1264.89			
						17.80			feet above (+) or below (-) top screen
		Bottom of Well New				1254.89			
		Bottom of Well Now	10/9/2025		27.80	1254.89			
						0.00			feet sedimentation
		Before Sampling				1282.69			
		Recovery				1282.69			
		Recovery				1282.69			
		Recovery				1282.69			
		Recovery				1282.69			

Weather conditions: Sunny AM/Overcast PM - windy, 45-55 degrees

Date	Time	Type	Flowing	Quantity		Discolored	Odor	Litter
10/9/2025	10:27	groundwater underdrain	yes	500 ml/5 min		No	No	No
					pH	Conductivity	Temp.(C)	Turbidity(NTU)
					NT	NT	NT	0.39

Appendix B

Statistical Reports

Appendix B.1 - Statistical Evaluation – Spring

GROUND WATER STATISTICS
FOR THE
NORTHERN PLAINS REGIONAL LANDFILL

First Semi-Annual Monitoring Event in 2025

Prepared for:
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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 Northern Plains Regional Landfill in Graettinger, Iowa. The interwell methodology is described and then applied to the Northern Plains Regional Landfill data. 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 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 Northern Plains Regional Landfill includes sample points GU-1, GU-2, GU-3, MW-10, MW-11 (upgradient), MW-12 (upgradient), MW-14, MW-15, MW-16, MW-17, MW-3AR, MW-6B, MW-7A, MW-7B, MW-8, 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. Supplemental background wells monitored for trace metals include MW-13, MW-18, MW-19, MW-20, and MW-21.

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

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 methodology was applied to the Northern Plains Regional 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-11, MW-12, and MW-17 during the period from April 2014 through the current data. Additionally, upgradient wells MW-13, MW-18, MW-19, MW-20, and MW-21 were included as background. A summary of the background data from monitoring wells MW-11, MW-12, MW-13, MW-17, MW-18, MW-19, MW-20, and MW-21, 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-1, GU-2, MW-10, MW-14, MW-15, MW-16, MW-3AR, MW-6B, MW-7A, MW-7B, MW-8, and MW-9 compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks. For the most current data, the site prediction limit exceedances detected are summarized in the table below.

**Trace Metal Prediction Limit Exceedances at Northern Plains Landfill
during the First Semi-Annual Monitoring Event in 2025**

Well	Trace Metal	Result, µg/L	Prediction Limit, µg/L	Prediction Limit Type	Verified/ Awaiting verification
MW-10	Copper	13.2	8.4000	Nonparametric	Verified
MW-3AR	Cadmium	2.2	1.7000	Nonparametric	Awaiting verification
MW-7A	Nickel	26.5	17.1000	Nonparametric	Awaiting verification
MW-7B	Barium	749	664.8910	Lognormal	Verified
MW-8	Arsenic	106	36.5093	Lognormal	Awaiting verification
	Barium	1360	664.8910	Lognormal	Awaiting verification
	Cadmium	2.6	1.7000	Nonparametric	Awaiting verification
	Zinc	145	45.3000	Nonparametric	Awaiting verification

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 equal to or greater than 50% in the upgradient wells so only barium was 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 4 standard deviation unit increases over background.

The past and current verified trace metal 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 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. There were no organic compounds detected in the ground water at Northern Plains Regional Landfill during the first semi-annual monitoring event in 2025. Historical VOC detections in the ground water are summarized in Attachment D. The VOCs detected are typically associated with landfill gas migration.

The past and current verified VOC detections were evaluated against the ground water protection standards (GWPS) using confidence limits (Attachment E). 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. There are no current or recent verified VOCs to analyze for GWPS exceedances.

Intrawell Statistics

Intrawell statistics are appropriate for facilities where the upgradient wells do not accurately characterize the natural ground water conditions downgradient from the facility. This may be due to different hydrogeological conditions where the wells are screened, having too few upgradient wells to account for the spatial variability, or the site exhibiting no definable hydraulic gradient. Intrawell statistics compare new measurements to the historical data at each ground water monitoring well independently. It is recommended that at least eight background samples be obtained prior to performing the statistics.

The most useful technique for intrawell comparisons is the combined Shewhart-CUSUM control chart. This control chart procedure is useful because it will detect releases both in terms of the constituent concentration and cumulative increases. This method is also extremely sensitive to sudden and gradual releases. A requirement for constructing these control charts is that the parameter is detected at a frequency greater than or equal to 25%, otherwise the data variance is not properly defined.

The combined Shewhart-CUSUM control chart assumes that the data are independent and normally distributed with a fixed mean and a constant variance. Independent data is much more critical than the normality assumption. To achieve independence, it is recommended that data are collected no more frequently than quarterly to account for seasonal variation. The combined Shewhart-CUSUM control chart is extremely robust to deviations from normality. Because the control charts do not use a specific multiplier based on a normal distribution, it is more conservative to assume normality.

It is recommended that at least eight rounds of data be available to provide a reliable estimate of the mean and standard deviation of the parameter concentration, although the control charts will be generated with as few as four data points. Having only four data points may produce greater uncertainty in the mean and standard deviation of the background data, leading to higher control limits, thus having a potentially high false negative rate.

Many groundwater monitoring parameters are not detected at a frequency great enough to generate the combined Shewhart-CUSUM control charts. For constituents that are detected less than 25% of the time at a particular well, the data should be plotted as a time series until a sufficient number of data points are available to provide a 99% confidence nonparametric prediction limit. Thirteen independent measurements (with 1 resample) are necessary to achieve a 99% confidence (1% false positive rate) nonparametric prediction limit. Eight independent measurements (for pass 1 of 2 resamples) are necessary to achieve a 99% confidence nonparametric prediction limit. The nonparametric prediction limit is the largest determination out of the data set collected for that well and parameter. If the detection frequency is 0% after thirteen samples have been collected, the practical quantitation limit (PQL) becomes the nonparametric prediction limit.

In developing the statistical background, the historical data must be thoroughly screened for anomalous data due to sampling error, analytical error, or simply by chance alone. An erroneous data point, if not removed prior to the mean and variance computations, would yield a larger control limit thus increasing the false negative rate. The DUMPStat® program screens for outliers using the Dixon test. Anomalous data will still be plotted on the graphs (with a unique symbol) but will not be included in the calculations.

The verification resample plan is an integral function of the statistical plan to reduce the probability that anomalous data obtained after the background has been established, is indicative of a release.

The background data for each well and constituent is tested for existing trends using Sen's nonparametric estimate of trend. If contamination exists prior to completing the background, the control limits could be potentially high and this control chart method would not be able to detect an increasing trend unless the increase is severe.

Results of the Intrawell Statistics

The detection monitoring constituents at GU-1 and GU-2 were evaluated using the combined Shewhart-CUSUM control chart method. The background used to determine control limits includes the data obtained from 2014 through 2023.

A summary of the intrawell statistics is included in Attachment F, Table 1 “Summary Statistics and Intermediate Computations for Combined Shewhart-CUSUM Control Charts.” The control charts or time series graphs follow the summary table. For the most current data, there were no control limit exceedances detected. An increasing trend was detected in the background data for barium at GU-2.

A control chart factor was selected to provide a balance of the site-wide false positive and false negative rates. A statistical power curve indicates the expected false assessments for the site as a whole. The site-wide false positive rate is 4% and the test becomes sensitive to 3 standard deviation units over background.

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 Northern Plains Regional Landfill. The ground water data was compared to background using prediction limits. For the most current data, there are verified site prediction limit exceedances detected for copper at MW-10 and barium at MW-7B.

Attachment A

Summary of the Data obtained during the First Semi-Annual Monitoring Event in 2025

Table 1

Analytical Data Summary for 4/7/2025

Constituents	Units	GU-1	GU-2	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18
(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 (o-Cresol)	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 4/7/2025

Constituents	MW-19	MW-20	MW-21	MW-3AR	MW-6B	MW-7A	MW-7B	MW-8	MW-9
(3,4)-methylphenol					<8	<8	<8	<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	<1	<1	
1,2,3-trichloropropane				<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene					<8	<8	<8	<8	
1,2,4-trichlorobenzene					<1	<1	<1	<1	
1,2-dibromo-3-chloropropane				<5	<1	<1	<1	<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	<8	<8	<8	
1,3,5-trinitrobenzene					<8	<8	<8	<8	
1,3-dichlorobenzene					<1	<1	<1	<1	
1,3-dichloropropane					<1	<1	<1	<1	
1,3-dinitrobenzene					<8	<8	<8	<8	
1,4-dichlorobenzene				<1	<1	<1	<1	<1	<1
1,4-naphthoquinone					<8	<8	<8	<8	
1,4-phenylenediamine					<8	<8	<8	<8	
1-naphthylamine					<8	<8	<8	<8	
2,2-dichloropropane					<1	<1	<1	<1	
2,3,4,6-tetrachlorophenol					<8	<8	<8	<8	
2,4,5-t					<5	<5	<5	<5	
2,4,5-tp (silvex)					<5	<5	<5	<5	
2,4,5-trichlorophenol					<8	<8	<8	<8	
2,4,6-trichlorophenol					<8	<8	<8	<8	
2,4-d					<2	<2	<2	<2	
2,4-dichlorophenol					<8	<8	<8	<8	
2,4-dimethylphenol					<8	<8	<8	<8	
2,4-dinitrophenol					<8	<8	<8	<8	
2,4-dinitrotoluene					<8	<8	<8	<8	
2,6-dichlorophenol					<8	<8	<8	<8	
2,6-dinitrotoluene					<8	<8	<8	<8	
2-acetylaminofluorene					<8	<8	<8	<8	
2-butanone (mek)				<10	<5	<5	<5	<5	<10
2-chloronaphthalene					<8	<8	<8	<8	
2-chlorophenol					<8	<8	<8	<8	
2-hexanone (mbk)				<5	<5	<5	<5	<5	<5
2-methylnaphthalene					<8	<8	<8	<8	
2-Methylphenol (o-Cresol)					<8	<8	<8	<8	
2-naphthylamine					<8	<8	<8	<8	
2-nitroaniline					<8	<8	<8	<8	
2-nitrophenol					<8	<8	<8	<8	
3,3'-dichlorobenzidine					<8	<8	<8	<8	
3,3'-dimethylbenzidine					<8	<8	<8	<8	
3-methylcholanthrene					<8	<8	<8	<8	
3-nitroaniline					<8	<8	<8	<8	
4,4'-ddd					<.05	<.05	<.05	<.05	
4,4'-dde					<.05	<.05	<.05	<.05	
4,4'-ddt					<.05	<.05	<.05	<.05	
4,6-dinitro-2-methylphenol					<8	<8	<8	<8	
4-aminobiphenyl					<8	<8	<8	<8	
4-bromophenyl phenyl ether					<8	<8	<8	<8	
4-chloro-3-methylphenol					<8	<8	<8	<8	
4-chloroaniline					<8	<8	<8	<8	
4-chlorophenyl phenyl ether					<8	<8	<8	<8	
4-methyl-2-pentanone (mibk)				<5	<5	<5	<5	<5	<5
4-nitroaniline					<8	<8	<8	<8	
4-nitrophenol					<8	<8	<8	<8	
5-nitro-o-toluidine					<8	<8	<8	<8	
7,12-dimethylbenz(a)anthracene					<8	<8	<8	<8	
Acenaphthene					<8	<8	<8	<8	
Acenaphthylene					<8	<8	<8	<8	
Acetone				<10	<10	<10	<10	<10	<10
Acetonitrile					<10	<10	<10	<10	
Acetophenone					<8	<8	<8	<8	
Acrolein					<10	<10	<10	<10	
Acrylonitrile				<5	<5	<5	<5	<5	<5
Aldrin					<.05	<.05	<.05	<.05	
Allyl chloride					<1	<1	<1	<1	
Alpha-bhc					<.05	<.05	<.05	<.05	
Anthracene					<8	<8	<8	<8	

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

Table 1

Analytical Data Summary for 4/7/2025

Constituents	Units	GU-1	GU-2	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18
Antimony, total	ug/L	<1	<1	<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	2.2	<2.0	3.1	<2.0	<2.0	22.1	6.2
Azobenzene	ug/L							<8	<8			
Barium, total	ug/L	509.0	223.0	119.0	45.9	126.0	38.3	236.0	118.0	564.0	370.0	55.1
Benzene	ug/L	<1	<1	<1	<1	<1		<1	<1	<1	<1	
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	<.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	<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	
Butyl benzyl phthalate	ug/L							<8	<8			
Cadmium, total	ug/L	<.2	<.2	.7	1.4	.3	.2	<.2	.2	.2	<.2	<.2
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Carbon tetrachloride	ug/L	<1	<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	<1	
Chlorobenzilate	ug/L							<8	<8			
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
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	
Chloroprene	ug/L							<1	<1			
Chromium, total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	<1.0	1.2	<1.0	1.0
Chrysene	ug/L							<8	<8			
Cis-1,2-dichloroethylene	ug/L	<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	
Cobalt, total	ug/L	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	.7	<.5	<.5
Copper, total	ug/L	<5.0	<5.0	13.2	<5.0	<5.0	<5.0	6.6	<5.0	<5.0	<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	<1	
Dibromomethane	ug/L	<1	<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	<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 4/7/2025

Constituents	MW-19	MW-20	MW-21	MW-3AR	MW-6B	MW-7A	MW-7B	MW-8	MW-9
Antimony, total	<1	<1	<1	<1	<1	<1	<1	<1	<1
Arochlor 1016					<2	<2	<2	<2	
Arochlor 1221					<2	<2	<2	<2	
Arochlor 1232					<2	<2	<2	<2	
Arochlor 1242					<2	<2	<2	<2	
Arochlor 1248					<2	<2	<2	<2	
Arochlor 1254					<2	<2	<2	<2	
Arochlor 1260					<2	<2	<2	<2	
Arsenic, total	2.6	4.1	<2.0	<2.0	<2.0	<2.0	<2.0	106.0	3.7
Azobenzene					<8	<8	<8	<8	
Barium, total	217.0	122.0	212.0	58.8	92.9	231.0	749.0	1360.0	70.7
Benzene				<1	<1	<1	<1	<1	<1
Benzo(a)anthracene					<8	<8	<8	<8	
Benzo(a)pyrene					<8	<8	<8	<8	
Benzo(b)fluoranthene					<8	<8	<8	<8	
Benzo(g,h,i)perylene					<8	<8	<8	<8	
Benzo(k)fluoranthene					<8	<8	<8	<8	
Benzyl alcohol					<8	<8	<8	<8	
Beryllium, total	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Beta-bhc					<.05	<.05	<.05	<.05	
Bis (2-chloroethoxy) methane					<8	<8	<8	<8	
Bis(2-chloroethyl) ether					<8	<8	<8	<8	
Bis(2-chloroisopropyl) ether					<8	<8	<8	<8	
Bis(2-ethylhexyl) phthalate					<6	<6	<6	<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	<8	<8	<8	
Cadmium, total	<.2	<.2	<.2	2.2	<.2	.3	<.2	2.6	<.2
Carbon disulfide				<1	<1	<1	<1	<1	<1
Carbon tetrachloride				<1	<1	<1	<1	<1	<1
Chlordane					<.1	<.1	<.1	<.1	
Chlorobenzene				<1	<1	<1	<1	<1	<1
Chlorobenzilate					<8	<8	<8	<8	
Chloroethane				<1	<1	<1	<1	<1	<1
Chloroform				<1	<1	<1	<1	<1	<1
Chloromethane				<1	<1	<1	<1	<1	<1
Chloroprene					<1	<1	<1	<1	
Chromium, total	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	<1.0
Chrysene					<8	<8	<8	<8	
Cis-1,2-dichloroethylene				<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene				<1	<1	<1	<1	<1	<1
Cobalt, total	<.5	<.5	<.5	<.5	<.5	.6	<.5	.8	<.5
Copper, total	<5.0	<5.0	<5.0	7.5	<5.0	<5.0	<5.0	6.7	<5.0
Cyanide, total					<.01	<.01	<.01	<.01	
Delta-bhc					<.05	<.05	<.05	<.05	
Diallate					<8	<8	<8	<8	
Dibenzo(a,h)anthracene					<8	<8	<8	<8	
Dibenzofuran					<8	<8	<8	<8	
Dibromochloromethane				<1	<1	<1	<1	<1	<1
Dibromomethane				<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane					<1	<1	<1	<1	
Dieldrin					<.05	<.05	<.05	<.05	
Diethyl phthalate					<8	<8	<8	<8	
Dimethoate					<.4	<.4	<.4	<.4	
Dimethylphthalate					<8	<8	<8	<8	
Di-n-butyl phthalate					<8	<8	<8	<8	
Di-n-octyl phthalate					<8	<8	<8	<8	
Dinoseb					<.5	<.5	<.5	<.5	
Diphenylamine					<8	<8	<8	<8	
Disulfoton					<.4	<.4	<.4	<.4	
Endosulfan i					<.05	<.05	<.05	<.05	
Endosulfan ii					<.05	<.05	<.05	<.05	
Endosulfan sulfate					<.05	<.05	<.05	<.05	
Endrin					<.05	<.05	<.05	<.05	
Endrin aldehyde					<.05	<.05	<.05	<.05	
Ethyl methacrylate					<10	<10	<10	<10	
Ethyl methanesulfonate					<8	<8	<8	<8	
Ethylbenzene				<1	<1	<1	<1	<1	<1
Famphur					<.4	<.4	<.4	<.4	
Fluoranthene					<8	<8	<8	<8	
Fluorene					<8	<8	<8	<8	
Gamma-bhc (lindane)					<.05	<.05	<.05	<.05	
Heptachlor					<.05	<.05	<.05	<.05	
Heptachlor epoxide					<.05	<.05	<.05	<.05	
Hexachlorobenzene					<.05	<.05	<.05	<.05	

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

Table 1

Analytical Data Summary for 4/7/2025

Constituents	Units	GU-1	GU-2	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18
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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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	9.3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	16.0	12.5	<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	<2.0	2.0	<2.0	<2.0	2.8	<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	
Sulfide, total	mg/L							<.3	<.3			
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	<.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	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
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	<5.0	21.1	9.3	6.1	<5.0	<5.0	<5.0	<5.0	9.7	7.2	5.5

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

Table 1

Analytical Data Summary for 4/7/2025

Constituents	MW-19	MW-20	MW-21	MW-3AR	MW-6B	MW-7A	MW-7B	MW-8	MW-9
Hexachlorobutadiene					<8	<8	<8	<8	
Hexachlorocyclopentadiene					<8	<8	<8	<8	
Hexachloroethane					<8	<8	<8	<8	
Hexachloropropene					<8	<8	<8	<8	
Indeno(1,2,3-cd)pyrene					<8	<8	<8	<8	
Isobutanol					<1000	<1000	<1000	<1000	
Isodrin					<8	<8	<8	<8	
Isophorone					<8	<8	<8	<8	
Isosafrole					<8	<8	<8	<8	
Kepone					<8	<8	<8	<8	
Lead, total	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.8	<1.0
Mercury, total					<.5	<.5	<.5	<.5	
Methacrylonitrile					<1	<1	<1	<1	
Methapyrilene					<8	<8	<8	<8	
Methoxychlor					<.05	<.05	<.05	<.05	
Methyl iodide				<1	<2	<2	<2	<2	<1
Methyl methacrylate					<1	<1	<1	<1	
Methyl methanesulfonate					<8	<8	<8	<8	
Methyl parathion					<.4	<.4	<.4	<.4	
Methylene chloride				<5	<5	<5	<5	<5	<5
Naphthalene					<8	<8	<8	<8	
Nickel, total	<5.0	<5.0	<5.0	<5.0	<5.0	26.5	10.9	7.3	<5.0
Nitrobenzene					<8	<8	<8	<8	
N-nitrosodiethylamine					<8	<8	<8	<8	
N-nitrosodimethylamine					<8	<8	<8	<8	
N-nitrosodi-n-butylamine					<8	<8	<8	<8	
N-nitroso-di-n-propylamine					<8	<8	<8	<8	
N-nitrosodiphenylamine					<8	<8	<8	<8	
N-nitrosomethylethylamine					<8	<8	<8	<8	
N-nitrosopiperidine					<8	<8	<8	<8	
N-nitrosopyrrolidine					<8	<8	<8	<8	
O,o,o-triethyl phosphorothioate					<.4	<.4	<.4	<.4	
O-toluidine					<8	<8	<8	<8	
Parathion					<.4	<.4	<.4	<.4	
P-dimethylaminoazobenzene					<8	<8	<8	<8	
Pentachlorobenzene					<8	<8	<8	<8	
Pentachloronitrobenzene (pcnb)					<8	<8	<8	<8	
Pentachlorophenol					<8	<8	<8	<8	
Phenacetin					<8	<8	<8	<8	
Phenanthrene					<8	<8	<8	<8	
Phenol					<8	<8	<8	<8	
Phorate					<.4	<.4	<.4	<.4	
Pronamide					<8	<8	<8	<8	
Propionitrile					<10	<10	<10	<10	
Pyrene					<8	<8	<8	<8	
Safrole					<8	<8	<8	<8	
Selenium, total	<2.0	<2.0	<2.0	<2.0	2.2	4.0	<2.0	<2.0	<2.0
Silver, total	<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene				<1	<1	<1	<1	<1	<1
Sulfide, total					<.1	<.1	<.1	<.3	
Tetrachloroethylene				<1	<1	<1	<1	<1	<1
Thallium, total	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Thionazin					<.4	<.4	<.4	<.4	
Tin, total					<5	<5	<5	<5	
Toluene				<1	<1	<1	<1	<1	<1
Toxaphene					<.2	<.2	<.2	<.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	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	11.6	<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	<5.0	<5.0	<5.0	6.6	7.4	5.3	<5.0	145.0	<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-11	04/07/2014		3.2000		
Antimony, total	ug/L	MW-11	10/23/2014	ND	2.0000		
Antimony, total	ug/L	MW-11	01/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-11	04/02/2015	ND	2.0000		
Antimony, total	ug/L	MW-11	09/15/2015	ND	2.0000		
Antimony, total	ug/L	MW-11	10/26/2015	ND	2.0000		
Antimony, total	ug/L	MW-11	04/01/2016	ND	2.0000		
Antimony, total	ug/L	MW-11	10/19/2016	ND	2.0000		
Antimony, total	ug/L	MW-11	04/17/2017	ND	2.0000		
Antimony, total	ug/L	MW-11	10/11/2017	ND	2.0000		
Antimony, total	ug/L	MW-11	06/01/2018	ND	2.0000		
Antimony, total	ug/L	MW-11	10/03/2018	ND	2.0000		
Antimony, total	ug/L	MW-11	04/08/2019	ND	2.0000		
Antimony, total	ug/L	MW-11	10/11/2019	ND	2.0000		
Antimony, total	ug/L	MW-11	04/27/2020	ND	2.0000		
Antimony, total	ug/L	MW-11	10/09/2020		3.4000		
Antimony, total	ug/L	MW-11	04/09/2021	ND	2.0000		
Antimony, total	ug/L	MW-11	10/25/2021	ND	2.0000		
Antimony, total	ug/L	MW-11	04/11/2022	ND	2.0000		
Antimony, total	ug/L	MW-11	10/12/2022	ND	2.0000		
Antimony, total	ug/L	MW-11	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-11	10/09/2023	ND	2.0000		
Antimony, total	ug/L	MW-11	04/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-11	10/16/2024	ND	2.0000		
Antimony, total	ug/L	MW-11	04/07/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-11	04/07/2014	ND	4.0000		
Arsenic, total	ug/L	MW-11	10/23/2014	ND	4.0000		
Arsenic, total	ug/L	MW-11	01/16/2015	ND	4.0000		
Arsenic, total	ug/L	MW-11	04/02/2015	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/15/2015	ND	4.0000		
Arsenic, total	ug/L	MW-11	10/26/2015	ND	4.0000		
Arsenic, total	ug/L	MW-11	04/01/2016	ND	4.0000		
Arsenic, total	ug/L	MW-11	10/19/2016	ND	4.0000		
Arsenic, total	ug/L	MW-11	04/17/2017	ND	4.0000		
Arsenic, total	ug/L	MW-11	10/11/2017	ND	4.0000		
Arsenic, total	ug/L	MW-11	06/01/2018	ND	4.0000		
Arsenic, total	ug/L	MW-11	10/03/2018	ND	4.0000		
Arsenic, total	ug/L	MW-11	04/08/2019	ND	4.0000		
Arsenic, total	ug/L	MW-11	10/11/2019	ND	4.0000		
Arsenic, total	ug/L	MW-11	04/27/2020	ND	4.0000		
Arsenic, total	ug/L	MW-11	10/09/2020	ND	4.0000		
Arsenic, total	ug/L	MW-11	04/09/2021	ND	4.0000		
Arsenic, total	ug/L	MW-11	10/25/2021	ND	4.0000		
Arsenic, total	ug/L	MW-11	04/11/2022	ND	4.0000		
Arsenic, total	ug/L	MW-11	10/12/2022	ND	4.0000		
Arsenic, total	ug/L	MW-11	04/06/2023	ND	4.0000		
Arsenic, total	ug/L	MW-11	10/09/2023	ND	4.0000		
Arsenic, total	ug/L	MW-11	04/04/2024	ND	4.0000		
Arsenic, total	ug/L	MW-11	10/16/2024	ND	4.0000		
Arsenic, total	ug/L	MW-11	04/07/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-11	04/07/2014		360.0000		*
Barium, total	ug/L	MW-11	10/23/2014		47.5000		
Barium, total	ug/L	MW-11	01/16/2015		56.8000		
Barium, total	ug/L	MW-11	04/02/2015		58.4000		
Barium, total	ug/L	MW-11	09/15/2015		49.6000		
Barium, total	ug/L	MW-11	10/26/2015		74.5000		
Barium, total	ug/L	MW-11	04/01/2016		68.2000		
Barium, total	ug/L	MW-11	10/19/2016		68.5000		
Barium, total	ug/L	MW-11	04/17/2017		66.2000		
Barium, total	ug/L	MW-11	10/11/2017		63.8000		
Barium, total	ug/L	MW-11	06/01/2018		80.0000		
Barium, total	ug/L	MW-11	10/03/2018		89.3000		
Barium, total	ug/L	MW-11	04/08/2019		88.4000		
Barium, total	ug/L	MW-11	10/11/2019		132.0000		
Barium, total	ug/L	MW-11	04/27/2020		85.5000		
Barium, total	ug/L	MW-11	10/09/2020		205.0000		
Barium, total	ug/L	MW-11	04/09/2021		82.7000		
Barium, total	ug/L	MW-11	10/25/2021		53.4000		
Barium, total	ug/L	MW-11	04/11/2022		82.2000		
Barium, total	ug/L	MW-11	10/12/2022		69.8000		
Barium, total	ug/L	MW-11	04/06/2023		44.2000		
Barium, total	ug/L	MW-11	10/09/2023		103.0000		
Barium, total	ug/L	MW-11	04/04/2024		40.1000		
Barium, total	ug/L	MW-11	10/16/2024		67.0000		

* - 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-11	04/07/2025		45.9000		
Beryllium, total	ug/L	MW-11	04/07/2014	ND	4.0000		
Beryllium, total	ug/L	MW-11	10/23/2014	ND	4.0000		
Beryllium, total	ug/L	MW-11	01/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-11	04/02/2015	ND	4.0000		
Beryllium, total	ug/L	MW-11	09/15/2015	ND	4.0000		
Beryllium, total	ug/L	MW-11	10/26/2015	ND	4.0000		
Beryllium, total	ug/L	MW-11	04/01/2016	ND	4.0000		
Beryllium, total	ug/L	MW-11	10/19/2016	ND	4.0000		
Beryllium, total	ug/L	MW-11	04/17/2017	ND	4.0000		
Beryllium, total	ug/L	MW-11	10/11/2017	ND	4.0000		
Beryllium, total	ug/L	MW-11	06/01/2018	ND	4.0000		
Beryllium, total	ug/L	MW-11	10/03/2018	ND	4.0000		
Beryllium, total	ug/L	MW-11	04/08/2019	ND	4.0000		
Beryllium, total	ug/L	MW-11	10/11/2019	ND	4.0000		
Beryllium, total	ug/L	MW-11	04/27/2020	ND	4.0000		
Beryllium, total	ug/L	MW-11	10/09/2020	ND	4.0000		
Beryllium, total	ug/L	MW-11	04/09/2021	ND	4.0000		
Beryllium, total	ug/L	MW-11	10/25/2021	ND	4.0000		
Beryllium, total	ug/L	MW-11	04/11/2022	ND	4.0000		
Beryllium, total	ug/L	MW-11	10/12/2022	ND	4.0000		
Beryllium, total	ug/L	MW-11	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-11	10/09/2023	ND	4.0000		
Beryllium, total	ug/L	MW-11	04/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-11	10/16/2024	ND	4.0000		
Beryllium, total	ug/L	MW-11	04/07/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-11	04/07/2014	ND	0.8000		
Cadmium, total	ug/L	MW-11	10/23/2014	ND	0.8000		
Cadmium, total	ug/L	MW-11	01/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-11	04/02/2015	ND	0.8000		
Cadmium, total	ug/L	MW-11	09/15/2015	ND	0.8000		
Cadmium, total	ug/L	MW-11	10/26/2015	ND	0.8000		
Cadmium, total	ug/L	MW-11	04/01/2016	ND	0.8000		
Cadmium, total	ug/L	MW-11	10/19/2016	ND	0.8000		
Cadmium, total	ug/L	MW-11	04/17/2017	ND	0.8000		
Cadmium, total	ug/L	MW-11	10/11/2017	ND	0.8000		
Cadmium, total	ug/L	MW-11	06/01/2018	ND	2.0000	0.8000	**
Cadmium, total	ug/L	MW-11	10/03/2018	ND	1.3000		
Cadmium, total	ug/L	MW-11	04/08/2019	ND	0.8000		
Cadmium, total	ug/L	MW-11	10/11/2019	ND	0.8000		
Cadmium, total	ug/L	MW-11	04/27/2020	ND	0.8000		
Cadmium, total	ug/L	MW-11	10/09/2020	ND	0.8000		
Cadmium, total	ug/L	MW-11	04/09/2021	ND	0.8000		
Cadmium, total	ug/L	MW-11	10/25/2021	ND	0.8000		
Cadmium, total	ug/L	MW-11	04/11/2022	ND	0.8000		
Cadmium, total	ug/L	MW-11	10/12/2022	ND	0.8000		
Cadmium, total	ug/L	MW-11	04/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-11	10/09/2023	ND	0.8000		
Cadmium, total	ug/L	MW-11	04/04/2024	ND	1.4000		
Cadmium, total	ug/L	MW-11	10/16/2024	ND	0.8000		
Cadmium, total	ug/L	MW-11	04/07/2025	ND	1.4000		
Chromium, total	ug/L	MW-11	04/07/2014	ND	8.0000		
Chromium, total	ug/L	MW-11	10/23/2014	ND	8.0000		
Chromium, total	ug/L	MW-11	01/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-11	04/02/2015	ND	8.0000		
Chromium, total	ug/L	MW-11	09/15/2015	ND	8.0000		
Chromium, total	ug/L	MW-11	10/26/2015	ND	8.0000		
Chromium, total	ug/L	MW-11	04/01/2016	ND	8.0000		
Chromium, total	ug/L	MW-11	10/19/2016	ND	8.0000		
Chromium, total	ug/L	MW-11	04/17/2017	ND	8.0000		
Chromium, total	ug/L	MW-11	10/11/2017	ND	8.0000		
Chromium, total	ug/L	MW-11	06/01/2018	ND	8.0000		
Chromium, total	ug/L	MW-11	10/03/2018	ND	8.0000		
Chromium, total	ug/L	MW-11	04/08/2019	ND	8.0000		
Chromium, total	ug/L	MW-11	10/11/2019	ND	8.0000		
Chromium, total	ug/L	MW-11	04/27/2020	ND	8.0000		
Chromium, total	ug/L	MW-11	10/09/2020	ND	8.0000		
Chromium, total	ug/L	MW-11	04/09/2021	ND	8.0000		
Chromium, total	ug/L	MW-11	10/25/2021	ND	8.0000		
Chromium, total	ug/L	MW-11	04/11/2022	ND	8.0000		
Chromium, total	ug/L	MW-11	10/12/2022	ND	8.0000		
Chromium, total	ug/L	MW-11	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-11	10/09/2023	ND	8.0000		
Chromium, total	ug/L	MW-11	04/04/2024	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-11	10/16/2024	ND	8.0000		*
Chromium, total	ug/L	MW-11	04/07/2025	ND	1.0000		
Cobalt, total	ug/L	MW-11	04/07/2014		16.4000		*
Cobalt, total	ug/L	MW-11	10/23/2014	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-11	01/16/2015	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-11	04/02/2015	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-11	09/15/2015	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-11	10/26/2015		0.8000		
Cobalt, total	ug/L	MW-11	04/01/2016		0.8000		
Cobalt, total	ug/L	MW-11	10/19/2016	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-11	04/17/2017	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-11	10/11/2017	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-11	06/01/2018	ND	2.0000	0.5000	**
Cobalt, total	ug/L	MW-11	10/03/2018		1.0000		
Cobalt, total	ug/L	MW-11	04/08/2019	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-11	10/11/2019		4.0000		
Cobalt, total	ug/L	MW-11	04/27/2020		0.5000		
Cobalt, total	ug/L	MW-11	10/09/2020		11.2000		*
Cobalt, total	ug/L	MW-11	04/09/2021	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-11	10/25/2021		1.3000		
Cobalt, total	ug/L	MW-11	04/11/2022		1.9000		
Cobalt, total	ug/L	MW-11	10/12/2022		3.0000		
Cobalt, total	ug/L	MW-11	04/06/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-11	10/09/2023		3.0000		
Cobalt, total	ug/L	MW-11	04/04/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-11	10/16/2024		0.5000		
Cobalt, total	ug/L	MW-11	04/07/2025	ND	0.5000		
Copper, total	ug/L	MW-11	04/07/2014		4.2000		
Copper, total	ug/L	MW-11	10/23/2014	ND	4.0000		
Copper, total	ug/L	MW-11	01/16/2015	ND	4.0000		
Copper, total	ug/L	MW-11	04/02/2015	ND	4.0000		
Copper, total	ug/L	MW-11	09/15/2015	ND	4.0000		
Copper, total	ug/L	MW-11	10/26/2015	ND	4.0000		
Copper, total	ug/L	MW-11	04/01/2016		4.4000		
Copper, total	ug/L	MW-11	10/19/2016	ND	4.0000		
Copper, total	ug/L	MW-11	04/17/2017		8.4000		
Copper, total	ug/L	MW-11	10/11/2017	ND	4.0000		
Copper, total	ug/L	MW-11	06/01/2018	ND	4.0000		
Copper, total	ug/L	MW-11	10/03/2018	ND	4.0000		
Copper, total	ug/L	MW-11	04/08/2019	ND	4.0000		
Copper, total	ug/L	MW-11	10/11/2019	ND	4.0000		
Copper, total	ug/L	MW-11	04/27/2020	ND	4.0000		
Copper, total	ug/L	MW-11	10/09/2020	ND	4.0000		
Copper, total	ug/L	MW-11	04/09/2021	ND	4.0000		
Copper, total	ug/L	MW-11	10/25/2021	ND	4.0000		
Copper, total	ug/L	MW-11	04/11/2022	ND	4.0000		
Copper, total	ug/L	MW-11	10/12/2022	ND	4.0000		
Copper, total	ug/L	MW-11	04/06/2023	ND	4.0000		
Copper, total	ug/L	MW-11	10/09/2023	ND	4.0000		
Copper, total	ug/L	MW-11	04/04/2024	ND	4.0000		
Copper, total	ug/L	MW-11	10/16/2024	ND	4.0000		
Copper, total	ug/L	MW-11	04/07/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-11	04/07/2014	ND	4.0000		
Lead, total	ug/L	MW-11	10/23/2014	ND	4.0000		
Lead, total	ug/L	MW-11	01/16/2015	ND	4.0000		
Lead, total	ug/L	MW-11	04/02/2015	ND	4.0000		
Lead, total	ug/L	MW-11	09/15/2015	ND	4.0000		
Lead, total	ug/L	MW-11	10/26/2015	ND	4.0000		
Lead, total	ug/L	MW-11	04/01/2016	ND	4.0000		
Lead, total	ug/L	MW-11	10/19/2016	ND	4.0000		
Lead, total	ug/L	MW-11	04/17/2017	ND	4.0000		
Lead, total	ug/L	MW-11	10/11/2017	ND	4.0000		
Lead, total	ug/L	MW-11	06/01/2018	ND	4.0000		
Lead, total	ug/L	MW-11	10/03/2018	ND	4.0000		
Lead, total	ug/L	MW-11	04/08/2019	ND	4.0000		
Lead, total	ug/L	MW-11	10/11/2019	ND	4.0000		
Lead, total	ug/L	MW-11	04/27/2020	ND	4.0000		
Lead, total	ug/L	MW-11	10/09/2020	ND	4.0000		
Lead, total	ug/L	MW-11	04/09/2021	ND	4.0000		
Lead, total	ug/L	MW-11	10/25/2021	ND	4.0000		
Lead, total	ug/L	MW-11	04/11/2022	ND	4.0000		
Lead, total	ug/L	MW-11	10/12/2022	ND	4.0000		
Lead, total	ug/L	MW-11	04/06/2023	ND	4.0000		
Lead, total	ug/L	MW-11	10/09/2023	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	
Lead, total	ug/L	MW-11	04/04/2024	ND	4.0000		
Lead, total	ug/L	MW-11	10/16/2024	ND	4.0000		
Lead, total	ug/L	MW-11	04/07/2025	ND	1.0000		*
Nickel, total	ug/L	MW-11	04/07/2014		98.9000		*
Nickel, total	ug/L	MW-11	10/23/2014		8.2000		
Nickel, total	ug/L	MW-11	01/16/2015		4.7000		
Nickel, total	ug/L	MW-11	04/02/2015		4.9000		
Nickel, total	ug/L	MW-11	09/15/2015		9.1000		
Nickel, total	ug/L	MW-11	10/26/2015		12.6000		
Nickel, total	ug/L	MW-11	04/01/2016		8.1000		
Nickel, total	ug/L	MW-11	10/19/2016		6.2000		
Nickel, total	ug/L	MW-11	04/17/2017		6.2000		
Nickel, total	ug/L	MW-11	10/11/2017	ND	4.0000		
Nickel, total	ug/L	MW-11	06/01/2018		12.1000		
Nickel, total	ug/L	MW-11	10/03/2018		11.2000		
Nickel, total	ug/L	MW-11	04/08/2019		5.2000		
Nickel, total	ug/L	MW-11	10/11/2019		36.2000		*
Nickel, total	ug/L	MW-11	04/27/2020		6.3000		
Nickel, total	ug/L	MW-11	10/09/2020		42.5000		*
Nickel, total	ug/L	MW-11	04/09/2021		8.8000		
Nickel, total	ug/L	MW-11	10/25/2021		10.5000		
Nickel, total	ug/L	MW-11	04/11/2022		15.6000		
Nickel, total	ug/L	MW-11	10/12/2022		7.4000		
Nickel, total	ug/L	MW-11	04/06/2023	ND	4.0000		
Nickel, total	ug/L	MW-11	10/09/2023		17.1000		
Nickel, total	ug/L	MW-11	04/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-11	10/16/2024		5.2000		
Nickel, total	ug/L	MW-11	04/07/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-11	04/07/2014	ND	4.0000		
Selenium, total	ug/L	MW-11	10/23/2014	ND	4.0000		
Selenium, total	ug/L	MW-11	01/16/2015	ND	4.0000		
Selenium, total	ug/L	MW-11	04/02/2015	ND	4.0000		
Selenium, total	ug/L	MW-11	09/15/2015	ND	4.0000		
Selenium, total	ug/L	MW-11	10/26/2015	ND	4.0000		
Selenium, total	ug/L	MW-11	04/01/2016	ND	4.0000		
Selenium, total	ug/L	MW-11	10/19/2016	ND	4.0000		
Selenium, total	ug/L	MW-11	04/17/2017	ND	4.0000		
Selenium, total	ug/L	MW-11	10/11/2017	ND	4.0000		
Selenium, total	ug/L	MW-11	06/01/2018	ND	4.0000		
Selenium, total	ug/L	MW-11	10/03/2018	ND	4.0000		
Selenium, total	ug/L	MW-11	04/08/2019	ND	4.0000		
Selenium, total	ug/L	MW-11	10/11/2019	ND	4.0000		
Selenium, total	ug/L	MW-11	04/27/2020	ND	4.0000		
Selenium, total	ug/L	MW-11	10/09/2020	ND	4.0000		
Selenium, total	ug/L	MW-11	04/09/2021		4.0000		
Selenium, total	ug/L	MW-11	10/25/2021	ND	4.0000		
Selenium, total	ug/L	MW-11	04/11/2022	ND	4.0000		
Selenium, total	ug/L	MW-11	10/12/2022	ND	4.0000		
Selenium, total	ug/L	MW-11	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-11	10/09/2023	ND	4.0000		
Selenium, total	ug/L	MW-11	04/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-11	10/16/2024	ND	4.0000		
Selenium, total	ug/L	MW-11	04/07/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-11	04/07/2014	ND	4.0000		
Silver, total	ug/L	MW-11	10/23/2014	ND	4.0000		
Silver, total	ug/L	MW-11	01/16/2015	ND	4.0000		
Silver, total	ug/L	MW-11	04/02/2015	ND	4.0000		
Silver, total	ug/L	MW-11	09/15/2015	ND	4.0000		
Silver, total	ug/L	MW-11	10/26/2015	ND	4.0000		
Silver, total	ug/L	MW-11	04/01/2016	ND	4.0000		
Silver, total	ug/L	MW-11	10/19/2016	ND	4.0000		
Silver, total	ug/L	MW-11	04/17/2017	ND	4.0000		
Silver, total	ug/L	MW-11	10/11/2017	ND	4.0000		
Silver, total	ug/L	MW-11	06/01/2018	ND	8.0000		
Silver, total	ug/L	MW-11	10/03/2018	ND	4.0000		
Silver, total	ug/L	MW-11	04/08/2019	ND	4.0000		
Silver, total	ug/L	MW-11	10/11/2019	ND	4.0000		
Silver, total	ug/L	MW-11	04/27/2020	ND	4.0000		
Silver, total	ug/L	MW-11	10/09/2020	ND	4.0000		
Silver, total	ug/L	MW-11	04/09/2021	ND	4.0000		
Silver, total	ug/L	MW-11	10/25/2021	ND	4.0000		
Silver, total	ug/L	MW-11	04/11/2022	ND	4.0000		
Silver, total	ug/L	MW-11	10/12/2022	ND	4.0000		
Silver, total	ug/L	MW-11	04/06/2023	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	
Silver, total	ug/L	MW-11	10/09/2023	ND	4.0000		
Silver, total	ug/L	MW-11	04/04/2024	ND	4.0000		
Silver, total	ug/L	MW-11	10/16/2024	ND	4.0000		
Silver, total	ug/L	MW-11	04/07/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-11	04/07/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	10/23/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	01/16/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	04/02/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	09/15/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	10/26/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	04/01/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	10/19/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	04/17/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	10/11/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	06/01/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	10/03/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	04/08/2019	ND	2.0000		
Thallium, total	ug/L	MW-11	10/11/2019	ND	2.0000		
Thallium, total	ug/L	MW-11	04/27/2020	ND	2.0000		
Thallium, total	ug/L	MW-11	10/09/2020	ND	2.0000		
Thallium, total	ug/L	MW-11	04/09/2021	ND	2.0000		
Thallium, total	ug/L	MW-11	10/25/2021	ND	2.0000		
Thallium, total	ug/L	MW-11	04/11/2022	ND	2.0000		
Thallium, total	ug/L	MW-11	10/12/2022	ND	2.0000		
Thallium, total	ug/L	MW-11	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-11	10/09/2023	ND	2.0000		
Thallium, total	ug/L	MW-11	04/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-11	10/16/2024	ND	2.0000		
Thallium, total	ug/L	MW-11	04/07/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-11	04/07/2014	ND	20.0000		
Vanadium, total	ug/L	MW-11	10/23/2014	ND	20.0000		
Vanadium, total	ug/L	MW-11	01/16/2015	ND	20.0000		
Vanadium, total	ug/L	MW-11	04/02/2015	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/15/2015	ND	20.0000		
Vanadium, total	ug/L	MW-11	10/26/2015	ND	20.0000		
Vanadium, total	ug/L	MW-11	04/01/2016	ND	20.0000		
Vanadium, total	ug/L	MW-11	10/19/2016	ND	20.0000		
Vanadium, total	ug/L	MW-11	04/17/2017	ND	20.0000		
Vanadium, total	ug/L	MW-11	10/11/2017	ND	20.0000		
Vanadium, total	ug/L	MW-11	06/01/2018	ND	20.0000		
Vanadium, total	ug/L	MW-11	10/03/2018	ND	20.0000		
Vanadium, total	ug/L	MW-11	04/08/2019	ND	20.0000		
Vanadium, total	ug/L	MW-11	10/11/2019	ND	20.0000		
Vanadium, total	ug/L	MW-11	04/27/2020	ND	20.0000		
Vanadium, total	ug/L	MW-11	10/09/2020	ND	20.0000		
Vanadium, total	ug/L	MW-11	04/09/2021	ND	20.0000		
Vanadium, total	ug/L	MW-11	10/25/2021	ND	20.0000		
Vanadium, total	ug/L	MW-11	04/11/2022	ND	20.0000		
Vanadium, total	ug/L	MW-11	10/12/2022	ND	20.0000		
Vanadium, total	ug/L	MW-11	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-11	10/09/2023	ND	20.0000		
Vanadium, total	ug/L	MW-11	04/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-11	10/16/2024	ND	20.0000		
Vanadium, total	ug/L	MW-11	04/07/2025	ND	2.0000		*
Zinc, total	ug/L	MW-11	04/07/2014		45.3000		
Zinc, total	ug/L	MW-11	10/23/2014		8.3000		
Zinc, total	ug/L	MW-11	01/16/2015	ND	20.0000		
Zinc, total	ug/L	MW-11	04/02/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	09/15/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	10/26/2015		26.3000		
Zinc, total	ug/L	MW-11	04/01/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	10/19/2016		24.8000		
Zinc, total	ug/L	MW-11	04/17/2017		28.4000		
Zinc, total	ug/L	MW-11	10/11/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	06/01/2018	ND	20.0000		
Zinc, total	ug/L	MW-11	10/03/2018	ND	20.0000		
Zinc, total	ug/L	MW-11	04/08/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	10/11/2019		30.5000		
Zinc, total	ug/L	MW-11	04/27/2020	ND	20.0000		
Zinc, total	ug/L	MW-11	10/09/2020		20.1000		
Zinc, total	ug/L	MW-11	04/09/2021	ND	20.0000		
Zinc, total	ug/L	MW-11	10/25/2021	ND	20.0000		
Zinc, total	ug/L	MW-11	04/11/2022	ND	20.0000		
Zinc, total	ug/L	MW-11	10/12/2022	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-11	04/06/2023	ND	20.0000		
Zinc, total	ug/L	MW-11	10/09/2023	ND	20.0000		
Zinc, total	ug/L	MW-11	04/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-11	10/16/2024	ND	20.0000		
Zinc, total	ug/L	MW-11	04/07/2025		6.1000		
Antimony, total	ug/L	MW-12	04/07/2014	ND	2.0000		
Antimony, total	ug/L	MW-12	10/23/2014	ND	2.0000		
Antimony, total	ug/L	MW-12	01/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-12	04/02/2015	ND	2.0000		
Antimony, total	ug/L	MW-12	09/15/2015	ND	2.0000		
Antimony, total	ug/L	MW-12	10/26/2015	ND	2.0000		
Antimony, total	ug/L	MW-12	04/01/2016	ND	2.0000		
Antimony, total	ug/L	MW-12	10/19/2016	ND	2.0000		
Antimony, total	ug/L	MW-12	04/17/2017	ND	2.0000		
Antimony, total	ug/L	MW-12	10/11/2017	ND	2.0000		
Antimony, total	ug/L	MW-12	06/01/2018	ND	2.0000		
Antimony, total	ug/L	MW-12	10/03/2018	ND	2.0000		
Antimony, total	ug/L	MW-12	04/08/2019	ND	2.0000		
Antimony, total	ug/L	MW-12	10/11/2019	ND	2.0000		
Antimony, total	ug/L	MW-12	04/27/2020	ND	2.0000		
Antimony, total	ug/L	MW-12	10/09/2020	ND	2.0000		
Antimony, total	ug/L	MW-12	04/09/2021	ND	2.0000		
Antimony, total	ug/L	MW-12	10/25/2021	ND	2.0000		
Antimony, total	ug/L	MW-12	04/11/2022	ND	2.0000		
Antimony, total	ug/L	MW-12	10/12/2022	ND	2.0000		
Antimony, total	ug/L	MW-12	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-12	10/09/2023	ND	2.0000		
Antimony, total	ug/L	MW-12	04/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-12	10/16/2024	ND	2.0000		
Antimony, total	ug/L	MW-12	04/07/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-12	04/07/2014		21.7000		*
Arsenic, total	ug/L	MW-12	10/23/2014		4.1000		
Arsenic, total	ug/L	MW-12	01/16/2015	ND	4.0000		
Arsenic, total	ug/L	MW-12	04/02/2015	ND	4.0000		
Arsenic, total	ug/L	MW-12	09/15/2015		6.5000		
Arsenic, total	ug/L	MW-12	10/26/2015	ND	4.0000		
Arsenic, total	ug/L	MW-12	04/01/2016	ND	4.0000		
Arsenic, total	ug/L	MW-12	10/19/2016		89.9000		*
Arsenic, total	ug/L	MW-12	04/17/2017		137.0000		*
Arsenic, total	ug/L	MW-12	10/11/2017		24.3000		*
Arsenic, total	ug/L	MW-12	06/01/2018	ND	4.0000		
Arsenic, total	ug/L	MW-12	10/03/2018		5.7000		
Arsenic, total	ug/L	MW-12	04/08/2019	ND	4.0000		
Arsenic, total	ug/L	MW-12	10/11/2019		9.4000		
Arsenic, total	ug/L	MW-12	04/27/2020		4.9000		
Arsenic, total	ug/L	MW-12	10/09/2020		6.0000		
Arsenic, total	ug/L	MW-12	04/09/2021		4.1000		
Arsenic, total	ug/L	MW-12	10/25/2021		4.0000		
Arsenic, total	ug/L	MW-12	04/11/2022	ND	4.0000		
Arsenic, total	ug/L	MW-12	10/12/2022		6.1000		
Arsenic, total	ug/L	MW-12	04/06/2023		4.4000		
Arsenic, total	ug/L	MW-12	10/09/2023	ND	4.0000		
Arsenic, total	ug/L	MW-12	04/04/2024		4.8000		
Arsenic, total	ug/L	MW-12	10/16/2024	ND	4.0000		
Arsenic, total	ug/L	MW-12	04/07/2025		2.2000		
Barium, total	ug/L	MW-12	04/07/2014		484.0000		
Barium, total	ug/L	MW-12	10/23/2014		244.0000		
Barium, total	ug/L	MW-12	01/16/2015		199.0000		
Barium, total	ug/L	MW-12	04/02/2015		248.0000		
Barium, total	ug/L	MW-12	09/15/2015		142.0000		
Barium, total	ug/L	MW-12	10/26/2015		269.0000		
Barium, total	ug/L	MW-12	04/01/2016		247.0000		
Barium, total	ug/L	MW-12	10/19/2016		1320.0000		*
Barium, total	ug/L	MW-12	04/17/2017		1390.0000		*
Barium, total	ug/L	MW-12	10/11/2017		189.0000		
Barium, total	ug/L	MW-12	06/01/2018		223.0000		
Barium, total	ug/L	MW-12	10/03/2018		173.0000		
Barium, total	ug/L	MW-12	04/08/2019		196.0000		
Barium, total	ug/L	MW-12	10/11/2019		186.0000		
Barium, total	ug/L	MW-12	04/27/2020		150.0000		
Barium, total	ug/L	MW-12	10/09/2020		258.0000		
Barium, total	ug/L	MW-12	04/09/2021		122.0000		
Barium, total	ug/L	MW-12	10/25/2021		153.0000		
Barium, total	ug/L	MW-12	04/11/2022		99.9000		

* - 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-12	10/12/2022		129.0000		
Barium, total	ug/L	MW-12	04/06/2023		55.7000		
Barium, total	ug/L	MW-12	10/09/2023		66.4000		
Barium, total	ug/L	MW-12	04/04/2024		102.0000		
Barium, total	ug/L	MW-12	10/16/2024		139.0000		
Barium, total	ug/L	MW-12	04/07/2025		126.0000		
Beryllium, total	ug/L	MW-12	04/07/2014	ND	4.0000		
Beryllium, total	ug/L	MW-12	10/23/2014	ND	4.0000		
Beryllium, total	ug/L	MW-12	01/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-12	04/02/2015	ND	4.0000		
Beryllium, total	ug/L	MW-12	09/15/2015	ND	4.0000		
Beryllium, total	ug/L	MW-12	10/26/2015	ND	4.0000		
Beryllium, total	ug/L	MW-12	04/01/2016	ND	4.0000		
Beryllium, total	ug/L	MW-12	10/19/2016	ND	4.0000		
Beryllium, total	ug/L	MW-12	04/17/2017	ND	4.0000		
Beryllium, total	ug/L	MW-12	10/11/2017	ND	4.0000		
Beryllium, total	ug/L	MW-12	06/01/2018	ND	4.0000		
Beryllium, total	ug/L	MW-12	10/03/2018	ND	4.0000		
Beryllium, total	ug/L	MW-12	04/08/2019	ND	4.0000		
Beryllium, total	ug/L	MW-12	10/11/2019	ND	4.0000		
Beryllium, total	ug/L	MW-12	04/27/2020	ND	4.0000		
Beryllium, total	ug/L	MW-12	10/09/2020	ND	4.0000		
Beryllium, total	ug/L	MW-12	04/09/2021	ND	4.0000		
Beryllium, total	ug/L	MW-12	10/25/2021	ND	4.0000		
Beryllium, total	ug/L	MW-12	04/11/2022	ND	4.0000		
Beryllium, total	ug/L	MW-12	10/12/2022	ND	4.0000		
Beryllium, total	ug/L	MW-12	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-12	10/09/2023	ND	4.0000		
Beryllium, total	ug/L	MW-12	04/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-12	10/16/2024	ND	4.0000		
Beryllium, total	ug/L	MW-12	04/07/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-12	04/07/2014		1.1000		
Cadmium, total	ug/L	MW-12	10/23/2014	ND	0.8000		
Cadmium, total	ug/L	MW-12	01/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-12	04/02/2015	ND	0.8000		
Cadmium, total	ug/L	MW-12	09/15/2015	ND	0.8000		
Cadmium, total	ug/L	MW-12	10/26/2015	ND	0.8000		
Cadmium, total	ug/L	MW-12	04/01/2016	ND	0.8000		
Cadmium, total	ug/L	MW-12	10/19/2016	ND	0.8000		
Cadmium, total	ug/L	MW-12	04/17/2017	ND	0.8000		
Cadmium, total	ug/L	MW-12	10/11/2017	ND	0.8000		
Cadmium, total	ug/L	MW-12	06/01/2018	ND	0.8000		
Cadmium, total	ug/L	MW-12	10/03/2018	ND	0.8000		
Cadmium, total	ug/L	MW-12	04/08/2019	ND	0.8000		
Cadmium, total	ug/L	MW-12	10/11/2019	ND	0.8000		
Cadmium, total	ug/L	MW-12	04/27/2020		1.2000		
Cadmium, total	ug/L	MW-12	10/09/2020		4.0000		*
Cadmium, total	ug/L	MW-12	04/09/2021	ND	0.8000		
Cadmium, total	ug/L	MW-12	10/25/2021	ND	0.8000		
Cadmium, total	ug/L	MW-12	04/11/2022	ND	0.8000		
Cadmium, total	ug/L	MW-12	10/12/2022	ND	0.8000		
Cadmium, total	ug/L	MW-12	04/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-12	10/09/2023	ND	0.8000		
Cadmium, total	ug/L	MW-12	04/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-12	10/16/2024	ND	0.8000		
Cadmium, total	ug/L	MW-12	04/07/2025		0.3000		
Chromium, total	ug/L	MW-12	04/07/2014	ND	8.0000		
Chromium, total	ug/L	MW-12	10/23/2014	ND	8.0000		
Chromium, total	ug/L	MW-12	01/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-12	04/02/2015	ND	8.0000		
Chromium, total	ug/L	MW-12	09/15/2015	ND	8.0000		
Chromium, total	ug/L	MW-12	10/26/2015	ND	8.0000		
Chromium, total	ug/L	MW-12	04/01/2016	ND	8.0000		
Chromium, total	ug/L	MW-12	10/19/2016	ND	8.0000		
Chromium, total	ug/L	MW-12	04/17/2017	ND	8.0000		
Chromium, total	ug/L	MW-12	10/11/2017	ND	8.0000		
Chromium, total	ug/L	MW-12	06/01/2018	ND	8.0000		
Chromium, total	ug/L	MW-12	10/03/2018	ND	8.0000		
Chromium, total	ug/L	MW-12	04/08/2019	ND	8.0000		
Chromium, total	ug/L	MW-12	10/11/2019	ND	8.0000		
Chromium, total	ug/L	MW-12	04/27/2020	ND	8.0000		
Chromium, total	ug/L	MW-12	10/09/2020	ND	8.0000		
Chromium, total	ug/L	MW-12	04/09/2021	ND	8.0000		
Chromium, total	ug/L	MW-12	10/25/2021	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-12	04/11/2022	ND	8.0000		
Chromium, total	ug/L	MW-12	10/12/2022	ND	8.0000		
Chromium, total	ug/L	MW-12	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-12	10/09/2023	ND	8.0000		
Chromium, total	ug/L	MW-12	04/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-12	10/16/2024	ND	8.0000		
Chromium, total	ug/L	MW-12	04/07/2025	ND	1.0000		*
Cobalt, total	ug/L	MW-12	04/07/2014	ND	4.0000		*
Cobalt, total	ug/L	MW-12	10/23/2014	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	01/16/2015	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	04/02/2015	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	09/15/2015	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	10/26/2015	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	04/01/2016	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	10/19/2016	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	04/17/2017	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	10/11/2017	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	06/01/2018	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	10/03/2018	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	04/08/2019	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	10/11/2019	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	04/27/2020	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-12	10/09/2020		1.2000		
Cobalt, total	ug/L	MW-12	04/09/2021	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-12	10/25/2021	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-12	04/11/2022	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-12	10/12/2022		2.6000		*
Cobalt, total	ug/L	MW-12	04/06/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-12	10/09/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-12	04/04/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-12	10/16/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-12	04/07/2025	ND	0.5000		
Copper, total	ug/L	MW-12	04/07/2014	ND	4.0000		
Copper, total	ug/L	MW-12	10/23/2014	ND	4.0000		
Copper, total	ug/L	MW-12	01/16/2015	ND	4.0000		
Copper, total	ug/L	MW-12	04/02/2015	ND	4.0000		
Copper, total	ug/L	MW-12	09/15/2015	ND	4.0000		
Copper, total	ug/L	MW-12	10/26/2015	ND	4.0000		
Copper, total	ug/L	MW-12	04/01/2016	ND	4.0000		
Copper, total	ug/L	MW-12	10/19/2016	ND	4.0000		
Copper, total	ug/L	MW-12	04/17/2017	ND	4.0000		
Copper, total	ug/L	MW-12	10/11/2017	ND	4.0000		
Copper, total	ug/L	MW-12	06/01/2018	ND	4.0000		
Copper, total	ug/L	MW-12	10/03/2018		6.2000		
Copper, total	ug/L	MW-12	04/08/2019	ND	4.0000		
Copper, total	ug/L	MW-12	10/11/2019	ND	4.0000		
Copper, total	ug/L	MW-12	04/27/2020	ND	4.0000		
Copper, total	ug/L	MW-12	10/09/2020		5.1000		
Copper, total	ug/L	MW-12	04/09/2021	ND	4.0000		
Copper, total	ug/L	MW-12	10/25/2021	ND	4.0000		
Copper, total	ug/L	MW-12	04/11/2022	ND	4.0000		
Copper, total	ug/L	MW-12	10/12/2022	ND	4.0000		
Copper, total	ug/L	MW-12	04/06/2023	ND	4.0000		
Copper, total	ug/L	MW-12	10/09/2023	ND	4.0000		
Copper, total	ug/L	MW-12	04/04/2024	ND	4.0000		
Copper, total	ug/L	MW-12	10/16/2024	ND	4.0000		
Copper, total	ug/L	MW-12	04/07/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-12	04/07/2014	ND	4.0000		
Lead, total	ug/L	MW-12	10/23/2014	ND	4.0000		
Lead, total	ug/L	MW-12	01/16/2015	ND	4.0000		
Lead, total	ug/L	MW-12	04/02/2015	ND	4.0000		
Lead, total	ug/L	MW-12	09/15/2015	ND	4.0000		
Lead, total	ug/L	MW-12	10/26/2015	ND	4.0000		
Lead, total	ug/L	MW-12	04/01/2016	ND	4.0000		
Lead, total	ug/L	MW-12	10/19/2016	ND	4.0000		
Lead, total	ug/L	MW-12	04/17/2017	ND	4.0000		
Lead, total	ug/L	MW-12	10/11/2017	ND	4.0000		
Lead, total	ug/L	MW-12	06/01/2018	ND	4.0000		
Lead, total	ug/L	MW-12	10/03/2018	ND	4.0000		
Lead, total	ug/L	MW-12	04/08/2019	ND	4.0000		
Lead, total	ug/L	MW-12	10/11/2019	ND	4.0000		
Lead, total	ug/L	MW-12	04/27/2020	ND	4.0000		
Lead, total	ug/L	MW-12	10/09/2020	ND	4.0000		
Lead, total	ug/L	MW-12	04/09/2021	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	
Lead, total	ug/L	MW-12	10/25/2021	ND	4.0000		
Lead, total	ug/L	MW-12	04/11/2022	ND	4.0000		
Lead, total	ug/L	MW-12	10/12/2022	ND	4.0000		
Lead, total	ug/L	MW-12	04/06/2023	ND	4.0000		
Lead, total	ug/L	MW-12	10/09/2023	ND	4.0000		
Lead, total	ug/L	MW-12	04/04/2024	ND	4.0000		
Lead, total	ug/L	MW-12	10/16/2024	ND	4.0000		
Lead, total	ug/L	MW-12	04/07/2025	ND	1.0000		*
Nickel, total	ug/L	MW-12	04/07/2014		4.4000		
Nickel, total	ug/L	MW-12	10/23/2014	ND	4.0000		
Nickel, total	ug/L	MW-12	01/16/2015	ND	4.0000		
Nickel, total	ug/L	MW-12	04/02/2015	ND	4.0000		
Nickel, total	ug/L	MW-12	09/15/2015	ND	4.0000		
Nickel, total	ug/L	MW-12	10/26/2015	ND	4.0000		
Nickel, total	ug/L	MW-12	04/01/2016	ND	4.0000		
Nickel, total	ug/L	MW-12	10/19/2016	ND	4.0000		
Nickel, total	ug/L	MW-12	04/17/2017	ND	4.0000		
Nickel, total	ug/L	MW-12	10/11/2017	ND	4.0000		
Nickel, total	ug/L	MW-12	06/01/2018	ND	4.0000		
Nickel, total	ug/L	MW-12	10/03/2018	ND	4.0000		
Nickel, total	ug/L	MW-12	04/08/2019	ND	4.0000		
Nickel, total	ug/L	MW-12	10/11/2019	ND	4.0000		
Nickel, total	ug/L	MW-12	04/27/2020	ND	4.0000		
Nickel, total	ug/L	MW-12	10/09/2020	ND	4.0000		
Nickel, total	ug/L	MW-12	04/09/2021	ND	4.0000		
Nickel, total	ug/L	MW-12	10/25/2021	ND	4.0000		
Nickel, total	ug/L	MW-12	04/11/2022	ND	4.0000		
Nickel, total	ug/L	MW-12	10/12/2022	ND	4.0000		
Nickel, total	ug/L	MW-12	04/06/2023	ND	4.0000		
Nickel, total	ug/L	MW-12	10/09/2023	ND	4.0000		
Nickel, total	ug/L	MW-12	04/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-12	10/16/2024	ND	4.0000		
Nickel, total	ug/L	MW-12	04/07/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-12	04/07/2014	ND	4.0000		
Selenium, total	ug/L	MW-12	10/23/2014	ND	4.0000		
Selenium, total	ug/L	MW-12	01/16/2015	ND	4.0000		
Selenium, total	ug/L	MW-12	04/02/2015	ND	4.0000		
Selenium, total	ug/L	MW-12	09/15/2015	ND	4.0000		
Selenium, total	ug/L	MW-12	10/26/2015	ND	4.0000		
Selenium, total	ug/L	MW-12	04/01/2016	ND	4.0000		
Selenium, total	ug/L	MW-12	10/19/2016	ND	4.0000		
Selenium, total	ug/L	MW-12	04/17/2017	ND	4.0000		
Selenium, total	ug/L	MW-12	10/11/2017	ND	4.0000		
Selenium, total	ug/L	MW-12	06/01/2018	ND	4.0000		
Selenium, total	ug/L	MW-12	10/03/2018	ND	4.0000		
Selenium, total	ug/L	MW-12	04/08/2019	ND	4.0000		
Selenium, total	ug/L	MW-12	10/11/2019	ND	4.0000		
Selenium, total	ug/L	MW-12	04/27/2020	ND	4.0000		
Selenium, total	ug/L	MW-12	10/09/2020	ND	4.0000		
Selenium, total	ug/L	MW-12	04/09/2021	ND	4.0000		
Selenium, total	ug/L	MW-12	10/25/2021	ND	4.0000		
Selenium, total	ug/L	MW-12	04/11/2022	ND	4.0000		
Selenium, total	ug/L	MW-12	10/12/2022	ND	4.0000		
Selenium, total	ug/L	MW-12	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-12	10/09/2023	ND	4.0000		
Selenium, total	ug/L	MW-12	04/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-12	10/16/2024	ND	4.0000		
Selenium, total	ug/L	MW-12	04/07/2025		2.8000		
Silver, total	ug/L	MW-12	04/07/2014	ND	4.0000		
Silver, total	ug/L	MW-12	10/23/2014	ND	4.0000		
Silver, total	ug/L	MW-12	01/16/2015	ND	4.0000		
Silver, total	ug/L	MW-12	04/02/2015	ND	4.0000		
Silver, total	ug/L	MW-12	09/15/2015	ND	4.0000		
Silver, total	ug/L	MW-12	10/26/2015	ND	4.0000		
Silver, total	ug/L	MW-12	04/01/2016	ND	4.0000		
Silver, total	ug/L	MW-12	10/19/2016	ND	4.0000		
Silver, total	ug/L	MW-12	04/17/2017	ND	4.0000		
Silver, total	ug/L	MW-12	10/11/2017	ND	4.0000		
Silver, total	ug/L	MW-12	06/01/2018	ND	8.0000	4.0000	**
Silver, total	ug/L	MW-12	10/03/2018	ND	4.0000		
Silver, total	ug/L	MW-12	04/08/2019	ND	4.0000		
Silver, total	ug/L	MW-12	10/11/2019	ND	4.0000		
Silver, total	ug/L	MW-12	04/27/2020	ND	4.0000		
Silver, total	ug/L	MW-12	10/09/2020	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	
Silver, total	ug/L	MW-12	04/09/2021	ND	4.0000		
Silver, total	ug/L	MW-12	10/25/2021	ND	4.0000		
Silver, total	ug/L	MW-12	04/11/2022	ND	4.0000		
Silver, total	ug/L	MW-12	10/12/2022	ND	4.0000		
Silver, total	ug/L	MW-12	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-12	10/09/2023	ND	4.0000		
Silver, total	ug/L	MW-12	04/04/2024	ND	4.0000		
Silver, total	ug/L	MW-12	10/16/2024	ND	4.0000		
Silver, total	ug/L	MW-12	04/07/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-12	04/07/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-12	10/23/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-12	01/16/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-12	04/02/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-12	09/15/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-12	10/26/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-12	04/01/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-12	10/19/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-12	04/17/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-12	10/11/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-12	06/01/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-12	10/03/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-12	04/08/2019	ND	2.0000		
Thallium, total	ug/L	MW-12	10/11/2019	ND	2.0000		
Thallium, total	ug/L	MW-12	04/27/2020	ND	2.0000		
Thallium, total	ug/L	MW-12	10/09/2020	ND	2.0000		
Thallium, total	ug/L	MW-12	04/09/2021	ND	2.0000		
Thallium, total	ug/L	MW-12	10/25/2021	ND	2.0000		
Thallium, total	ug/L	MW-12	04/11/2022	ND	2.0000		
Thallium, total	ug/L	MW-12	10/12/2022	ND	2.0000		
Thallium, total	ug/L	MW-12	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-12	10/09/2023	ND	2.0000		
Thallium, total	ug/L	MW-12	04/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-12	10/16/2024	ND	2.0000		
Thallium, total	ug/L	MW-12	04/07/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-12	04/07/2014	ND	20.0000		
Vanadium, total	ug/L	MW-12	10/23/2014	ND	20.0000		
Vanadium, total	ug/L	MW-12	01/16/2015	ND	20.0000		
Vanadium, total	ug/L	MW-12	04/02/2015	ND	20.0000		
Vanadium, total	ug/L	MW-12	09/15/2015	ND	20.0000		
Vanadium, total	ug/L	MW-12	10/26/2015	ND	20.0000		
Vanadium, total	ug/L	MW-12	04/01/2016	ND	20.0000		
Vanadium, total	ug/L	MW-12	10/19/2016	ND	20.0000		
Vanadium, total	ug/L	MW-12	04/17/2017	ND	20.0000		
Vanadium, total	ug/L	MW-12	10/11/2017	ND	20.0000		
Vanadium, total	ug/L	MW-12	06/01/2018	ND	20.0000		
Vanadium, total	ug/L	MW-12	10/03/2018	ND	20.0000		
Vanadium, total	ug/L	MW-12	04/08/2019	ND	20.0000		
Vanadium, total	ug/L	MW-12	10/11/2019	ND	20.0000		
Vanadium, total	ug/L	MW-12	04/27/2020	ND	20.0000		
Vanadium, total	ug/L	MW-12	10/09/2020	ND	20.0000		
Vanadium, total	ug/L	MW-12	04/09/2021	ND	20.0000		
Vanadium, total	ug/L	MW-12	10/25/2021	ND	20.0000		
Vanadium, total	ug/L	MW-12	04/11/2022	ND	20.0000		
Vanadium, total	ug/L	MW-12	10/12/2022	ND	20.0000		
Vanadium, total	ug/L	MW-12	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-12	10/09/2023	ND	20.0000		
Vanadium, total	ug/L	MW-12	04/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-12	10/16/2024	ND	20.0000		
Vanadium, total	ug/L	MW-12	04/07/2025	ND	2.0000		*
Zinc, total	ug/L	MW-12	04/07/2014		16.3000		
Zinc, total	ug/L	MW-12	10/23/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-12	01/16/2015	ND	20.0000		
Zinc, total	ug/L	MW-12	04/02/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-12	09/15/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-12	10/26/2015	ND	20.0000		
Zinc, total	ug/L	MW-12	04/01/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-12	10/19/2016		20.4000		
Zinc, total	ug/L	MW-12	04/17/2017		14.8000		
Zinc, total	ug/L	MW-12	10/11/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-12	06/01/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-12	10/03/2018		22.1000		
Zinc, total	ug/L	MW-12	04/08/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-12	10/11/2019	ND	20.0000		
Zinc, total	ug/L	MW-12	04/27/2020	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-12	10/09/2020	ND	20.0000		
Zinc, total	ug/L	MW-12	04/09/2021	ND	20.0000		
Zinc, total	ug/L	MW-12	10/25/2021	ND	20.0000		
Zinc, total	ug/L	MW-12	04/11/2022	ND	20.0000		
Zinc, total	ug/L	MW-12	10/12/2022	ND	20.0000		
Zinc, total	ug/L	MW-12	04/06/2023	ND	20.0000		
Zinc, total	ug/L	MW-12	10/09/2023	ND	20.0000		
Zinc, total	ug/L	MW-12	04/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-12	10/16/2024	ND	20.0000		
Zinc, total	ug/L	MW-12	04/07/2025	ND	5.0000	20.0000	**
Antimony, total	ug/L	MW-13	06/27/2023	ND	2.0000		
Antimony, total	ug/L	MW-13	10/09/2023	ND	2.0000		
Antimony, total	ug/L	MW-13	04/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-13	10/16/2024	ND	2.0000		
Antimony, total	ug/L	MW-13	04/07/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-13	06/27/2023	ND	4.0000		
Arsenic, total	ug/L	MW-13	10/09/2023	ND	4.0000		
Arsenic, total	ug/L	MW-13	04/04/2024	ND	4.0000		
Arsenic, total	ug/L	MW-13	10/16/2024	ND	4.0000		
Arsenic, total	ug/L	MW-13	04/07/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-13	06/27/2023		25.7000		
Barium, total	ug/L	MW-13	10/09/2023		57.8000		
Barium, total	ug/L	MW-13	04/04/2024		32.8000		
Barium, total	ug/L	MW-13	10/16/2024		42.8000		
Barium, total	ug/L	MW-13	04/07/2025		38.3000		
Beryllium, total	ug/L	MW-13	06/27/2023	ND	4.0000		
Beryllium, total	ug/L	MW-13	10/09/2023	ND	4.0000		
Beryllium, total	ug/L	MW-13	04/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-13	10/16/2024	ND	4.0000		
Beryllium, total	ug/L	MW-13	04/07/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-13	06/27/2023	ND	0.8000		
Cadmium, total	ug/L	MW-13	10/09/2023	ND	0.8000		
Cadmium, total	ug/L	MW-13	04/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-13	10/16/2024	ND	0.8000		
Cadmium, total	ug/L	MW-13	04/07/2025		0.2000		*
Chromium, total	ug/L	MW-13	06/27/2023	ND	8.0000		
Chromium, total	ug/L	MW-13	10/09/2023	ND	8.0000		
Chromium, total	ug/L	MW-13	04/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-13	10/16/2024	ND	8.0000		
Chromium, total	ug/L	MW-13	04/07/2025		1.0000		*
Cobalt, total	ug/L	MW-13	06/27/2023		0.4000		
Cobalt, total	ug/L	MW-13	10/09/2023		1.3000		
Cobalt, total	ug/L	MW-13	04/04/2024		0.5000		
Cobalt, total	ug/L	MW-13	10/16/2024		0.6000		
Cobalt, total	ug/L	MW-13	04/07/2025	ND	0.5000		
Copper, total	ug/L	MW-13	06/27/2023	ND	4.0000		
Copper, total	ug/L	MW-13	10/09/2023	ND	4.0000		
Copper, total	ug/L	MW-13	04/04/2024	ND	4.0000		
Copper, total	ug/L	MW-13	10/16/2024	ND	4.0000		
Copper, total	ug/L	MW-13	04/07/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-13	06/27/2023	ND	4.0000		
Lead, total	ug/L	MW-13	10/09/2023	ND	4.0000		
Lead, total	ug/L	MW-13	04/04/2024	ND	4.0000		
Lead, total	ug/L	MW-13	10/16/2024	ND	4.0000		
Lead, total	ug/L	MW-13	04/07/2025	ND	1.0000		*
Nickel, total	ug/L	MW-13	06/27/2023	ND	4.0000		
Nickel, total	ug/L	MW-13	10/09/2023		4.0000		
Nickel, total	ug/L	MW-13	04/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-13	10/16/2024	ND	4.0000		
Nickel, total	ug/L	MW-13	04/07/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-13	06/27/2023	ND	4.0000		
Selenium, total	ug/L	MW-13	10/09/2023	ND	4.0000		
Selenium, total	ug/L	MW-13	04/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-13	10/16/2024	ND	4.0000		
Selenium, total	ug/L	MW-13	04/07/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-13	06/27/2023	ND	4.0000		
Silver, total	ug/L	MW-13	10/09/2023	ND	4.0000		
Silver, total	ug/L	MW-13	04/04/2024	ND	4.0000		
Silver, total	ug/L	MW-13	10/16/2024	ND	4.0000		
Silver, total	ug/L	MW-13	04/07/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-13	06/27/2023	ND	2.0000		
Thallium, total	ug/L	MW-13	10/09/2023	ND	2.0000		
Thallium, total	ug/L	MW-13	04/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-13	10/16/2024	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-13	04/07/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-13	06/27/2023	ND	20.0000		
Vanadium, total	ug/L	MW-13	10/09/2023	ND	20.0000		
Vanadium, total	ug/L	MW-13	04/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-13	10/16/2024	ND	20.0000		
Vanadium, total	ug/L	MW-13	04/07/2025	ND	2.0000		*
Zinc, total	ug/L	MW-13	06/27/2023	ND	20.0000		
Zinc, total	ug/L	MW-13	10/09/2023	ND	20.0000		
Zinc, total	ug/L	MW-13	04/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-13	10/16/2024	ND	20.0000		
Zinc, total	ug/L	MW-13	04/07/2025	ND	5.0000		*
Antimony, total	ug/L	MW-17	04/07/2014	ND	2.0000		
Antimony, total	ug/L	MW-17	10/23/2014	ND	2.0000		
Antimony, total	ug/L	MW-17	01/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-17	04/02/2015	ND	2.0000		
Antimony, total	ug/L	MW-17	09/15/2015	ND	2.0000		
Antimony, total	ug/L	MW-17	10/26/2015	ND	2.0000		
Antimony, total	ug/L	MW-17	04/01/2016	ND	2.0000		
Antimony, total	ug/L	MW-17	10/19/2016	ND	2.0000		
Antimony, total	ug/L	MW-17	04/17/2017	ND	2.0000		
Antimony, total	ug/L	MW-17	10/11/2017	ND	2.0000		
Antimony, total	ug/L	MW-17	06/01/2018	ND	2.0000		
Antimony, total	ug/L	MW-17	10/03/2018	ND	2.0000		
Antimony, total	ug/L	MW-17	04/08/2019	ND	2.0000		
Antimony, total	ug/L	MW-17	10/11/2019	ND	2.0000		
Antimony, total	ug/L	MW-17	04/27/2020	ND	2.0000		
Antimony, total	ug/L	MW-17	10/09/2020	ND	2.0000		
Antimony, total	ug/L	MW-17	04/09/2021	ND	2.0000		
Antimony, total	ug/L	MW-17	10/25/2021	ND	2.0000		
Antimony, total	ug/L	MW-17	04/11/2022	ND	2.0000		
Antimony, total	ug/L	MW-17	10/12/2022	ND	2.0000		
Antimony, total	ug/L	MW-17	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-17	10/09/2023	ND	2.0000		
Antimony, total	ug/L	MW-17	04/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-17	10/16/2024	ND	2.0000		
Antimony, total	ug/L	MW-17	04/07/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-17	04/07/2014		30.9000		
Arsenic, total	ug/L	MW-17	10/23/2014		11.5000		
Arsenic, total	ug/L	MW-17	01/16/2015		17.0000		
Arsenic, total	ug/L	MW-17	04/02/2015		53.7000		*
Arsenic, total	ug/L	MW-17	09/15/2015		7.9000		
Arsenic, total	ug/L	MW-17	10/26/2015		7.7000		
Arsenic, total	ug/L	MW-17	04/01/2016		22.1000		
Arsenic, total	ug/L	MW-17	10/19/2016		4.9000		
Arsenic, total	ug/L	MW-17	04/17/2017		136.0000		*
Arsenic, total	ug/L	MW-17	10/11/2017		8.0000		
Arsenic, total	ug/L	MW-17	06/01/2018		49.3000		
Arsenic, total	ug/L	MW-17	10/03/2018		12.1000		
Arsenic, total	ug/L	MW-17	04/08/2019		11.1000		
Arsenic, total	ug/L	MW-17	10/11/2019		12.9000		
Arsenic, total	ug/L	MW-17	04/27/2020		12.2000		
Arsenic, total	ug/L	MW-17	10/09/2020		6.9000		
Arsenic, total	ug/L	MW-17	04/09/2021		4.2000		
Arsenic, total	ug/L	MW-17	10/25/2021	ND	4.0000		
Arsenic, total	ug/L	MW-17	04/11/2022		15.5000		
Arsenic, total	ug/L	MW-17	10/12/2022		8.2000		
Arsenic, total	ug/L	MW-17	04/06/2023		12.7000		
Arsenic, total	ug/L	MW-17	10/09/2023		4.4000		
Arsenic, total	ug/L	MW-17	04/04/2024		30.3000		
Arsenic, total	ug/L	MW-17	10/16/2024		5.6000		
Arsenic, total	ug/L	MW-17	04/07/2025		22.1000		
Barium, total	ug/L	MW-17	04/07/2014		374.0000		
Barium, total	ug/L	MW-17	10/23/2014		167.0000		
Barium, total	ug/L	MW-17	01/16/2015		293.0000		
Barium, total	ug/L	MW-17	04/02/2015		589.0000		
Barium, total	ug/L	MW-17	09/15/2015		148.0000		
Barium, total	ug/L	MW-17	10/26/2015		140.0000		
Barium, total	ug/L	MW-17	04/01/2016		475.0000		
Barium, total	ug/L	MW-17	10/19/2016		183.0000		
Barium, total	ug/L	MW-17	04/17/2017		1010.0000		*
Barium, total	ug/L	MW-17	10/11/2017		168.0000		
Barium, total	ug/L	MW-17	06/01/2018		373.0000		
Barium, total	ug/L	MW-17	10/03/2018		174.0000		
Barium, total	ug/L	MW-17	04/08/2019		217.0000		

* - 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-17	10/11/2019		222.0000		
Barium, total	ug/L	MW-17	04/27/2020		338.0000		
Barium, total	ug/L	MW-17	10/09/2020		161.0000		
Barium, total	ug/L	MW-17	04/09/2021		235.0000		
Barium, total	ug/L	MW-17	10/25/2021		146.0000		
Barium, total	ug/L	MW-17	04/11/2022		421.0000		
Barium, total	ug/L	MW-17	10/12/2022		175.0000		
Barium, total	ug/L	MW-17	04/06/2023		263.0000		
Barium, total	ug/L	MW-17	10/09/2023		151.0000		
Barium, total	ug/L	MW-17	04/04/2024		358.0000		
Barium, total	ug/L	MW-17	10/16/2024		135.0000		
Barium, total	ug/L	MW-17	04/07/2025		370.0000		
Beryllium, total	ug/L	MW-17	04/07/2014	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/23/2014	ND	4.0000		
Beryllium, total	ug/L	MW-17	01/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/02/2015	ND	4.0000		
Beryllium, total	ug/L	MW-17	09/15/2015	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/26/2015	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/01/2016	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/19/2016	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/17/2017	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/11/2017	ND	4.0000		
Beryllium, total	ug/L	MW-17	06/01/2018	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/03/2018	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/08/2019	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/11/2019	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/27/2020	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/09/2020	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/09/2021	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/25/2021	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/11/2022	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/12/2022	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/09/2023	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/16/2024	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/07/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-17	04/07/2014		1.0000		
Cadmium, total	ug/L	MW-17	10/23/2014	ND	0.8000		
Cadmium, total	ug/L	MW-17	01/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-17	04/02/2015	ND	0.8000		
Cadmium, total	ug/L	MW-17	09/15/2015	ND	0.8000		
Cadmium, total	ug/L	MW-17	10/26/2015	ND	0.8000		
Cadmium, total	ug/L	MW-17	04/01/2016	ND	0.8000		
Cadmium, total	ug/L	MW-17	10/19/2016	ND	0.8000		
Cadmium, total	ug/L	MW-17	04/17/2017	ND	0.8000		
Cadmium, total	ug/L	MW-17	10/11/2017	ND	0.8000		
Cadmium, total	ug/L	MW-17	06/01/2018	ND	0.8000		
Cadmium, total	ug/L	MW-17	10/03/2018		1.0000		
Cadmium, total	ug/L	MW-17	04/08/2019	ND	0.8000		
Cadmium, total	ug/L	MW-17	10/11/2019	ND	0.8000		
Cadmium, total	ug/L	MW-17	04/27/2020	ND	0.8000		
Cadmium, total	ug/L	MW-17	10/09/2020	ND	0.8000		
Cadmium, total	ug/L	MW-17	04/09/2021	ND	0.8000		
Cadmium, total	ug/L	MW-17	10/25/2021	ND	0.8000		
Cadmium, total	ug/L	MW-17	04/11/2022	ND	0.8000		
Cadmium, total	ug/L	MW-17	10/12/2022	ND	0.8000		
Cadmium, total	ug/L	MW-17	04/06/2023		1.7000		
Cadmium, total	ug/L	MW-17	10/09/2023	ND	0.8000		
Cadmium, total	ug/L	MW-17	04/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-17	10/16/2024	ND	0.8000		
Cadmium, total	ug/L	MW-17	04/07/2025	ND	0.2000		*
Chromium, total	ug/L	MW-17	04/07/2014	ND	8.0000		
Chromium, total	ug/L	MW-17	10/23/2014	ND	8.0000		
Chromium, total	ug/L	MW-17	01/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-17	04/02/2015	ND	8.0000		
Chromium, total	ug/L	MW-17	09/15/2015	ND	8.0000		
Chromium, total	ug/L	MW-17	10/26/2015	ND	8.0000		
Chromium, total	ug/L	MW-17	04/01/2016	ND	8.0000		
Chromium, total	ug/L	MW-17	10/19/2016	ND	8.0000		
Chromium, total	ug/L	MW-17	04/17/2017	ND	8.0000		
Chromium, total	ug/L	MW-17	10/11/2017	ND	8.0000		
Chromium, total	ug/L	MW-17	06/01/2018	ND	8.0000		
Chromium, total	ug/L	MW-17	10/03/2018	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-17	04/08/2019	ND	8.0000		
Chromium, total	ug/L	MW-17	10/11/2019	ND	8.0000		
Chromium, total	ug/L	MW-17	04/27/2020	ND	8.0000		
Chromium, total	ug/L	MW-17	10/09/2020	ND	8.0000		
Chromium, total	ug/L	MW-17	04/09/2021	ND	8.0000		
Chromium, total	ug/L	MW-17	10/25/2021	ND	8.0000		
Chromium, total	ug/L	MW-17	04/11/2022	ND	8.0000		
Chromium, total	ug/L	MW-17	10/12/2022	ND	8.0000		
Chromium, total	ug/L	MW-17	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-17	10/09/2023	ND	8.0000		
Chromium, total	ug/L	MW-17	04/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-17	10/16/2024	ND	8.0000		
Chromium, total	ug/L	MW-17	04/07/2025	ND	1.0000		*
Cobalt, total	ug/L	MW-17	04/07/2014	ND	4.0000		*
Cobalt, total	ug/L	MW-17	10/23/2014	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	01/16/2015	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	04/02/2015	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	09/15/2015	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	10/26/2015	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	04/01/2016	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	10/19/2016	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	04/17/2017	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	10/11/2017	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	06/01/2018	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	10/03/2018	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	04/08/2019	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	10/11/2019	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	04/27/2020	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-17	10/09/2020	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-17	04/09/2021	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-17	10/25/2021	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-17	04/11/2022	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-17	10/12/2022		2.2000		
Cobalt, total	ug/L	MW-17	04/06/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-17	10/09/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-17	04/04/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-17	10/16/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-17	04/07/2025	ND	0.5000		
Copper, total	ug/L	MW-17	04/07/2014		61.5000		*
Copper, total	ug/L	MW-17	10/23/2014	ND	4.0000		
Copper, total	ug/L	MW-17	01/16/2015	ND	4.0000		
Copper, total	ug/L	MW-17	04/02/2015	ND	4.0000		
Copper, total	ug/L	MW-17	09/15/2015	ND	4.0000		
Copper, total	ug/L	MW-17	10/26/2015	ND	4.0000		
Copper, total	ug/L	MW-17	04/01/2016	ND	4.0000		
Copper, total	ug/L	MW-17	10/19/2016	ND	4.0000		
Copper, total	ug/L	MW-17	04/17/2017	ND	4.0000		
Copper, total	ug/L	MW-17	10/11/2017	ND	4.0000		
Copper, total	ug/L	MW-17	06/01/2018	ND	4.0000		
Copper, total	ug/L	MW-17	10/03/2018		4.8000		
Copper, total	ug/L	MW-17	04/08/2019	ND	4.0000		
Copper, total	ug/L	MW-17	10/11/2019	ND	4.0000		
Copper, total	ug/L	MW-17	04/27/2020	ND	4.0000		
Copper, total	ug/L	MW-17	10/09/2020	ND	4.0000		
Copper, total	ug/L	MW-17	04/09/2021	ND	4.0000		
Copper, total	ug/L	MW-17	10/25/2021	ND	4.0000		
Copper, total	ug/L	MW-17	04/11/2022	ND	4.0000		
Copper, total	ug/L	MW-17	10/12/2022	ND	4.0000		
Copper, total	ug/L	MW-17	04/06/2023	ND	4.0000		
Copper, total	ug/L	MW-17	10/09/2023	ND	4.0000		
Copper, total	ug/L	MW-17	04/04/2024	ND	4.0000		
Copper, total	ug/L	MW-17	10/16/2024	ND	4.0000		
Copper, total	ug/L	MW-17	04/07/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-17	04/07/2014	ND	4.0000		
Lead, total	ug/L	MW-17	10/23/2014	ND	4.0000		
Lead, total	ug/L	MW-17	01/16/2015	ND	4.0000		
Lead, total	ug/L	MW-17	04/02/2015	ND	4.0000		
Lead, total	ug/L	MW-17	09/15/2015	ND	4.0000		
Lead, total	ug/L	MW-17	10/26/2015	ND	4.0000		
Lead, total	ug/L	MW-17	04/01/2016	ND	4.0000		
Lead, total	ug/L	MW-17	10/19/2016	ND	4.0000		
Lead, total	ug/L	MW-17	04/17/2017	ND	4.0000		
Lead, total	ug/L	MW-17	10/11/2017	ND	4.0000		
Lead, total	ug/L	MW-17	06/01/2018	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-17	10/03/2018	ND	4.0000		
Lead, total	ug/L	MW-17	04/08/2019	ND	4.0000		
Lead, total	ug/L	MW-17	10/11/2019	ND	4.0000		
Lead, total	ug/L	MW-17	04/27/2020	ND	4.0000		
Lead, total	ug/L	MW-17	10/09/2020	ND	4.0000		
Lead, total	ug/L	MW-17	04/09/2021	ND	4.0000		
Lead, total	ug/L	MW-17	10/25/2021	ND	4.0000		
Lead, total	ug/L	MW-17	04/11/2022	ND	4.0000		
Lead, total	ug/L	MW-17	10/12/2022	ND	4.0000		
Lead, total	ug/L	MW-17	04/06/2023	ND	4.0000		
Lead, total	ug/L	MW-17	10/09/2023	ND	4.0000		
Lead, total	ug/L	MW-17	04/04/2024	ND	4.0000		
Lead, total	ug/L	MW-17	10/16/2024	ND	4.0000		
Lead, total	ug/L	MW-17	04/07/2025	ND	1.0000		*
Nickel, total	ug/L	MW-17	04/07/2014		7.8000		
Nickel, total	ug/L	MW-17	10/23/2014	ND	4.0000		
Nickel, total	ug/L	MW-17	01/16/2015		4.7000		
Nickel, total	ug/L	MW-17	04/02/2015		5.6000		
Nickel, total	ug/L	MW-17	09/15/2015	ND	4.0000		
Nickel, total	ug/L	MW-17	10/26/2015	ND	4.0000		
Nickel, total	ug/L	MW-17	04/01/2016	ND	4.0000		
Nickel, total	ug/L	MW-17	10/19/2016		5.1000		
Nickel, total	ug/L	MW-17	04/17/2017		6.0000		
Nickel, total	ug/L	MW-17	10/11/2017	ND	4.0000		
Nickel, total	ug/L	MW-17	06/01/2018		4.6000		
Nickel, total	ug/L	MW-17	10/03/2018		4.3000		
Nickel, total	ug/L	MW-17	04/08/2019		4.6000		
Nickel, total	ug/L	MW-17	10/11/2019	ND	4.0000		
Nickel, total	ug/L	MW-17	04/27/2020	ND	4.0000		
Nickel, total	ug/L	MW-17	10/09/2020	ND	4.0000		
Nickel, total	ug/L	MW-17	04/09/2021	ND	4.0000		
Nickel, total	ug/L	MW-17	10/25/2021		4.7000		
Nickel, total	ug/L	MW-17	04/11/2022		5.0000		
Nickel, total	ug/L	MW-17	10/12/2022	ND	4.0000		
Nickel, total	ug/L	MW-17	04/06/2023	ND	4.0000		
Nickel, total	ug/L	MW-17	10/09/2023	ND	4.0000		
Nickel, total	ug/L	MW-17	04/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-17	10/16/2024	ND	4.0000		
Nickel, total	ug/L	MW-17	04/07/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-17	04/07/2014	ND	4.0000		
Selenium, total	ug/L	MW-17	10/23/2014	ND	4.0000		
Selenium, total	ug/L	MW-17	01/16/2015	ND	4.0000		
Selenium, total	ug/L	MW-17	04/02/2015	ND	4.0000		
Selenium, total	ug/L	MW-17	09/15/2015	ND	4.0000		
Selenium, total	ug/L	MW-17	10/26/2015	ND	4.0000		
Selenium, total	ug/L	MW-17	04/01/2016	ND	4.0000		
Selenium, total	ug/L	MW-17	10/19/2016	ND	4.0000		
Selenium, total	ug/L	MW-17	04/17/2017	ND	4.0000		
Selenium, total	ug/L	MW-17	10/11/2017	ND	4.0000		
Selenium, total	ug/L	MW-17	06/01/2018	ND	4.0000		
Selenium, total	ug/L	MW-17	10/03/2018	ND	4.0000		
Selenium, total	ug/L	MW-17	04/08/2019	ND	4.0000		
Selenium, total	ug/L	MW-17	10/11/2019	ND	4.0000		
Selenium, total	ug/L	MW-17	04/27/2020	ND	4.0000		
Selenium, total	ug/L	MW-17	10/09/2020	ND	4.0000		
Selenium, total	ug/L	MW-17	04/09/2021	ND	4.0000		
Selenium, total	ug/L	MW-17	10/25/2021	ND	4.0000		
Selenium, total	ug/L	MW-17	04/11/2022	ND	4.0000		
Selenium, total	ug/L	MW-17	10/12/2022	ND	4.0000		
Selenium, total	ug/L	MW-17	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-17	10/09/2023	ND	4.0000		
Selenium, total	ug/L	MW-17	04/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-17	10/16/2024	ND	4.0000		
Selenium, total	ug/L	MW-17	04/07/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-17	04/07/2014	ND	4.0000		
Silver, total	ug/L	MW-17	10/23/2014	ND	4.0000		
Silver, total	ug/L	MW-17	01/16/2015	ND	4.0000		
Silver, total	ug/L	MW-17	04/02/2015	ND	4.0000		
Silver, total	ug/L	MW-17	09/15/2015	ND	4.0000		
Silver, total	ug/L	MW-17	10/26/2015	ND	4.0000		
Silver, total	ug/L	MW-17	04/01/2016	ND	4.0000		
Silver, total	ug/L	MW-17	10/19/2016	ND	4.0000		
Silver, total	ug/L	MW-17	04/17/2017	ND	4.0000		
Silver, total	ug/L	MW-17	10/11/2017	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	
Silver, total	ug/L	MW-17	06/01/2018	ND	8.0000	4.0000	**
Silver, total	ug/L	MW-17	10/03/2018	ND	4.0000		
Silver, total	ug/L	MW-17	04/08/2019	ND	4.0000		
Silver, total	ug/L	MW-17	10/11/2019	ND	4.0000		
Silver, total	ug/L	MW-17	04/27/2020	ND	4.0000		
Silver, total	ug/L	MW-17	10/09/2020	ND	4.0000		
Silver, total	ug/L	MW-17	04/09/2021	ND	4.0000		
Silver, total	ug/L	MW-17	10/25/2021	ND	4.0000		
Silver, total	ug/L	MW-17	04/11/2022	ND	4.0000		
Silver, total	ug/L	MW-17	10/12/2022	ND	4.0000		
Silver, total	ug/L	MW-17	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-17	10/09/2023	ND	4.0000		
Silver, total	ug/L	MW-17	04/04/2024	ND	4.0000		
Silver, total	ug/L	MW-17	10/16/2024	ND	4.0000		
Silver, total	ug/L	MW-17	04/07/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-17	04/07/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	10/23/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	01/16/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	04/02/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	09/15/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	10/26/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	04/01/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	10/19/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	04/17/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	10/11/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	06/01/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	10/03/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	04/08/2019	ND	2.0000		
Thallium, total	ug/L	MW-17	10/11/2019	ND	2.0000		
Thallium, total	ug/L	MW-17	04/27/2020	ND	2.0000		
Thallium, total	ug/L	MW-17	10/09/2020	ND	2.0000		
Thallium, total	ug/L	MW-17	04/09/2021	ND	2.0000		
Thallium, total	ug/L	MW-17	10/25/2021	ND	2.0000		
Thallium, total	ug/L	MW-17	04/11/2022	ND	2.0000		
Thallium, total	ug/L	MW-17	10/12/2022	ND	2.0000		
Thallium, total	ug/L	MW-17	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-17	10/09/2023	ND	2.0000		
Thallium, total	ug/L	MW-17	04/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-17	10/16/2024	ND	2.0000		
Thallium, total	ug/L	MW-17	04/07/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-17	04/07/2014	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/23/2014	ND	20.0000		
Vanadium, total	ug/L	MW-17	01/16/2015	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/02/2015	ND	20.0000		
Vanadium, total	ug/L	MW-17	09/15/2015	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/26/2015	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/01/2016	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/19/2016	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/17/2017	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/11/2017	ND	20.0000		
Vanadium, total	ug/L	MW-17	06/01/2018	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/03/2018	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/08/2019	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/11/2019	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/27/2020	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/09/2020	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/09/2021	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/25/2021	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/11/2022	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/12/2022	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/09/2023	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/16/2024	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/07/2025	ND	2.0000		*
Zinc, total	ug/L	MW-17	04/07/2014	ND	20.0000		
Zinc, total	ug/L	MW-17	10/23/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	01/16/2015	ND	20.0000		
Zinc, total	ug/L	MW-17	04/02/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	09/15/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	10/26/2015	ND	20.0000		
Zinc, total	ug/L	MW-17	04/01/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	10/19/2016	ND	14.4000		
Zinc, total	ug/L	MW-17	04/17/2017	ND	8.0000	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 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	MW-17	10/11/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	06/01/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	10/03/2018		21.0000		
Zinc, total	ug/L	MW-17	04/08/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	10/11/2019		32.2000		
Zinc, total	ug/L	MW-17	04/27/2020	ND	20.0000		
Zinc, total	ug/L	MW-17	10/09/2020	ND	20.0000		
Zinc, total	ug/L	MW-17	04/09/2021	ND	20.0000		
Zinc, total	ug/L	MW-17	10/25/2021	ND	20.0000		
Zinc, total	ug/L	MW-17	04/11/2022	ND	20.0000		
Zinc, total	ug/L	MW-17	10/12/2022	ND	20.0000		
Zinc, total	ug/L	MW-17	04/06/2023	ND	20.0000		
Zinc, total	ug/L	MW-17	10/09/2023	ND	20.0000		
Zinc, total	ug/L	MW-17	04/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-17	10/16/2024	ND	20.0000		
Zinc, total	ug/L	MW-17	04/07/2025		7.2000		
Antimony, total	ug/L	MW-18	04/29/2020	ND	2.0000		
Antimony, total	ug/L	MW-18	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-18	10/09/2023	ND	2.0000		
Antimony, total	ug/L	MW-18	04/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-18	10/16/2024	ND	2.0000		
Antimony, total	ug/L	MW-18	04/07/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-18	04/29/2020		4.3000		
Arsenic, total	ug/L	MW-18	04/06/2023		6.9000		
Arsenic, total	ug/L	MW-18	10/09/2023		4.5000		
Arsenic, total	ug/L	MW-18	04/04/2024		6.7000		
Arsenic, total	ug/L	MW-18	10/16/2024		6.0000		
Arsenic, total	ug/L	MW-18	04/07/2025		6.2000		
Barium, total	ug/L	MW-18	04/29/2020		65.7000		
Barium, total	ug/L	MW-18	04/06/2023		48.1000		
Barium, total	ug/L	MW-18	10/09/2023		46.8000		
Barium, total	ug/L	MW-18	04/04/2024		43.8000		
Barium, total	ug/L	MW-18	10/16/2024		45.6000		
Barium, total	ug/L	MW-18	04/07/2025		55.1000		
Beryllium, total	ug/L	MW-18	04/29/2020	ND	4.0000		
Beryllium, total	ug/L	MW-18	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-18	10/09/2023	ND	4.0000		
Beryllium, total	ug/L	MW-18	04/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-18	10/16/2024	ND	4.0000		
Beryllium, total	ug/L	MW-18	04/07/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-18	04/29/2020	ND	0.8000		
Cadmium, total	ug/L	MW-18	04/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-18	10/09/2023	ND	0.8000		
Cadmium, total	ug/L	MW-18	04/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-18	10/16/2024	ND	0.8000		
Cadmium, total	ug/L	MW-18	04/07/2025	ND	0.2000		*
Chromium, total	ug/L	MW-18	04/29/2020	ND	8.0000		
Chromium, total	ug/L	MW-18	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-18	10/09/2023	ND	8.0000		
Chromium, total	ug/L	MW-18	04/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-18	10/16/2024	ND	8.0000		
Chromium, total	ug/L	MW-18	04/07/2025		1.0000		*
Cobalt, total	ug/L	MW-18	04/29/2020		0.5000		
Cobalt, total	ug/L	MW-18	04/06/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-18	10/09/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-18	04/04/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-18	10/16/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-18	04/07/2025	ND	0.5000		
Copper, total	ug/L	MW-18	04/29/2020	ND	4.0000		
Copper, total	ug/L	MW-18	04/06/2023		23.9000		*
Copper, total	ug/L	MW-18	10/09/2023	ND	4.0000		
Copper, total	ug/L	MW-18	04/04/2024	ND	4.0000		
Copper, total	ug/L	MW-18	10/16/2024	ND	4.0000		
Copper, total	ug/L	MW-18	04/07/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-18	04/29/2020	ND	4.0000		
Lead, total	ug/L	MW-18	04/06/2023	ND	4.0000		
Lead, total	ug/L	MW-18	10/09/2023	ND	4.0000		
Lead, total	ug/L	MW-18	04/04/2024	ND	4.0000		
Lead, total	ug/L	MW-18	10/16/2024	ND	4.0000		
Lead, total	ug/L	MW-18	04/07/2025	ND	1.0000		*
Nickel, total	ug/L	MW-18	04/29/2020	ND	4.0000		
Nickel, total	ug/L	MW-18	04/06/2023	ND	4.0000		
Nickel, total	ug/L	MW-18	10/09/2023	ND	4.0000		
Nickel, total	ug/L	MW-18	04/04/2024	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	
Nickel, total	ug/L	MW-18	10/16/2024	ND	4.0000		
Nickel, total	ug/L	MW-18	04/07/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-18	04/29/2020	ND	4.0000		
Selenium, total	ug/L	MW-18	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-18	10/09/2023	ND	4.0000		
Selenium, total	ug/L	MW-18	04/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-18	10/16/2024	ND	4.0000		
Selenium, total	ug/L	MW-18	04/07/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-18	04/29/2020	ND	4.0000		
Silver, total	ug/L	MW-18	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-18	10/09/2023	ND	4.0000		
Silver, total	ug/L	MW-18	04/04/2024	ND	4.0000		
Silver, total	ug/L	MW-18	10/16/2024	ND	4.0000		
Silver, total	ug/L	MW-18	04/07/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-18	04/29/2020	ND	2.0000		
Thallium, total	ug/L	MW-18	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-18	10/09/2023	ND	2.0000		
Thallium, total	ug/L	MW-18	04/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-18	10/16/2024	ND	2.0000		
Thallium, total	ug/L	MW-18	04/07/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-18	04/29/2020	ND	20.0000		
Vanadium, total	ug/L	MW-18	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-18	10/09/2023	ND	20.0000		
Vanadium, total	ug/L	MW-18	04/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-18	10/16/2024	ND	20.0000		
Vanadium, total	ug/L	MW-18	04/07/2025	ND	2.0000		*
Zinc, total	ug/L	MW-18	04/29/2020	ND	20.0000		
Zinc, total	ug/L	MW-18	04/06/2023	ND	20.0000		
Zinc, total	ug/L	MW-18	10/09/2023	ND	20.0000		
Zinc, total	ug/L	MW-18	04/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-18	10/16/2024	ND	20.0000		
Zinc, total	ug/L	MW-18	04/07/2025	ND	5.5000		*
Antimony, total	ug/L	MW-19	04/29/2020	ND	2.0000		
Antimony, total	ug/L	MW-19	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-19	10/09/2023	ND	2.0000		
Antimony, total	ug/L	MW-19	04/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-19	10/16/2024	ND	2.0000		
Antimony, total	ug/L	MW-19	04/07/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-19	04/29/2020	ND	4.0000		
Arsenic, total	ug/L	MW-19	04/06/2023		4.1000		
Arsenic, total	ug/L	MW-19	10/09/2023		4.2000		
Arsenic, total	ug/L	MW-19	04/04/2024		4.8000		
Arsenic, total	ug/L	MW-19	10/16/2024		4.5000		
Arsenic, total	ug/L	MW-19	04/07/2025		2.6000		
Barium, total	ug/L	MW-19	04/29/2020		184.0000		
Barium, total	ug/L	MW-19	04/06/2023		210.0000		
Barium, total	ug/L	MW-19	10/09/2023		220.0000		
Barium, total	ug/L	MW-19	04/04/2024		211.0000		
Barium, total	ug/L	MW-19	10/16/2024		207.0000		
Barium, total	ug/L	MW-19	04/07/2025		217.0000		
Beryllium, total	ug/L	MW-19	04/29/2020	ND	4.0000		
Beryllium, total	ug/L	MW-19	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-19	10/09/2023	ND	4.0000		
Beryllium, total	ug/L	MW-19	04/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-19	10/16/2024	ND	4.0000		
Beryllium, total	ug/L	MW-19	04/07/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-19	04/29/2020	ND	0.8000		
Cadmium, total	ug/L	MW-19	04/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-19	10/09/2023	ND	0.8000		
Cadmium, total	ug/L	MW-19	04/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-19	10/16/2024	ND	0.8000		
Cadmium, total	ug/L	MW-19	04/07/2025	ND	0.2000		*
Chromium, total	ug/L	MW-19	04/29/2020	ND	8.0000		
Chromium, total	ug/L	MW-19	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-19	10/09/2023	ND	8.0000		
Chromium, total	ug/L	MW-19	04/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-19	10/16/2024	ND	8.0000		
Chromium, total	ug/L	MW-19	04/07/2025	ND	1.0000		*
Cobalt, total	ug/L	MW-19	04/29/2020	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-19	04/06/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-19	10/09/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-19	04/04/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-19	10/16/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-19	04/07/2025	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	
Copper, total	ug/L	MW-19	04/29/2020	ND	4.0000		
Copper, total	ug/L	MW-19	04/06/2023	ND	4.0000		
Copper, total	ug/L	MW-19	10/09/2023	ND	4.0000		
Copper, total	ug/L	MW-19	04/04/2024	ND	4.0000		
Copper, total	ug/L	MW-19	10/16/2024	ND	4.0000		
Copper, total	ug/L	MW-19	04/07/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-19	04/29/2020	ND	4.0000		
Lead, total	ug/L	MW-19	04/06/2023	ND	4.0000		
Lead, total	ug/L	MW-19	10/09/2023	ND	4.0000		
Lead, total	ug/L	MW-19	04/04/2024	ND	4.0000		
Lead, total	ug/L	MW-19	10/16/2024	ND	4.0000		
Lead, total	ug/L	MW-19	04/07/2025	ND	1.0000		*
Nickel, total	ug/L	MW-19	04/29/2020	ND	4.0000		
Nickel, total	ug/L	MW-19	04/06/2023	ND	4.0000		
Nickel, total	ug/L	MW-19	10/09/2023	ND	4.0000		
Nickel, total	ug/L	MW-19	04/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-19	10/16/2024	ND	4.0000		
Nickel, total	ug/L	MW-19	04/07/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-19	04/29/2020	ND	4.0000		
Selenium, total	ug/L	MW-19	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-19	10/09/2023	ND	4.0000		
Selenium, total	ug/L	MW-19	04/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-19	10/16/2024	ND	4.0000		
Selenium, total	ug/L	MW-19	04/07/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-19	04/29/2020	ND	4.0000		
Silver, total	ug/L	MW-19	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-19	10/09/2023	ND	4.0000		
Silver, total	ug/L	MW-19	04/04/2024	ND	4.0000		
Silver, total	ug/L	MW-19	10/16/2024	ND	4.0000		
Silver, total	ug/L	MW-19	04/07/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-19	04/29/2020	ND	2.0000		
Thallium, total	ug/L	MW-19	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-19	10/09/2023	ND	2.0000		
Thallium, total	ug/L	MW-19	04/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-19	10/16/2024	ND	2.0000		
Thallium, total	ug/L	MW-19	04/07/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-19	04/29/2020	ND	20.0000		
Vanadium, total	ug/L	MW-19	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-19	10/09/2023	ND	20.0000		
Vanadium, total	ug/L	MW-19	04/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-19	10/16/2024	ND	20.0000		
Vanadium, total	ug/L	MW-19	04/07/2025	ND	2.0000		*
Zinc, total	ug/L	MW-19	04/29/2020	ND	20.0000		
Zinc, total	ug/L	MW-19	04/06/2023	ND	20.0000		
Zinc, total	ug/L	MW-19	10/09/2023	ND	20.0000		
Zinc, total	ug/L	MW-19	04/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-19	10/16/2024	ND	20.0000		
Zinc, total	ug/L	MW-19	04/07/2025	ND	5.0000		*
Antimony, total	ug/L	MW-20	04/29/2020	ND	2.0000		
Antimony, total	ug/L	MW-20	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-20	10/09/2023	ND	2.0000		
Antimony, total	ug/L	MW-20	04/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-20	10/16/2024	ND	2.0000		
Antimony, total	ug/L	MW-20	04/07/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-20	04/29/2020	ND	4.0000		
Arsenic, total	ug/L	MW-20	04/06/2023	ND	4.0000		
Arsenic, total	ug/L	MW-20	10/09/2023		6.0000		
Arsenic, total	ug/L	MW-20	04/04/2024		5.7000		
Arsenic, total	ug/L	MW-20	10/16/2024		6.4000		
Arsenic, total	ug/L	MW-20	04/07/2025		4.1000		
Barium, total	ug/L	MW-20	04/29/2020		127.0000		
Barium, total	ug/L	MW-20	04/06/2023		123.0000		
Barium, total	ug/L	MW-20	10/09/2023		127.0000		
Barium, total	ug/L	MW-20	04/04/2024		127.0000		
Barium, total	ug/L	MW-20	10/16/2024		103.0000		
Barium, total	ug/L	MW-20	04/07/2025		122.0000		
Beryllium, total	ug/L	MW-20	04/29/2020	ND	4.0000		
Beryllium, total	ug/L	MW-20	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-20	10/09/2023	ND	4.0000		
Beryllium, total	ug/L	MW-20	04/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-20	10/16/2024	ND	4.0000		
Beryllium, total	ug/L	MW-20	04/07/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-20	04/29/2020	ND	0.8000		
Cadmium, total	ug/L	MW-20	04/06/2023	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-20	10/09/2023	ND	0.8000		
Cadmium, total	ug/L	MW-20	04/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-20	10/16/2024	ND	0.8000		
Cadmium, total	ug/L	MW-20	04/07/2025	ND	0.2000		*
Chromium, total	ug/L	MW-20	04/29/2020	ND	8.0000		
Chromium, total	ug/L	MW-20	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-20	10/09/2023	ND	8.0000		
Chromium, total	ug/L	MW-20	04/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-20	10/16/2024	ND	8.0000		
Chromium, total	ug/L	MW-20	04/07/2025	ND	1.0000		*
Cobalt, total	ug/L	MW-20	04/29/2020	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-20	04/06/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-20	10/09/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-20	04/04/2024		0.7000		
Cobalt, total	ug/L	MW-20	10/16/2024		0.4000		
Cobalt, total	ug/L	MW-20	04/07/2025	ND	0.5000		
Copper, total	ug/L	MW-20	04/29/2020	ND	4.0000		
Copper, total	ug/L	MW-20	04/06/2023	ND	4.0000		
Copper, total	ug/L	MW-20	10/09/2023	ND	4.0000		
Copper, total	ug/L	MW-20	04/04/2024	ND	4.0000		
Copper, total	ug/L	MW-20	10/16/2024	ND	4.0000		
Copper, total	ug/L	MW-20	04/07/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-20	04/29/2020	ND	4.0000		
Lead, total	ug/L	MW-20	04/06/2023	ND	4.0000		
Lead, total	ug/L	MW-20	10/09/2023	ND	4.0000		
Lead, total	ug/L	MW-20	04/04/2024	ND	4.0000		
Lead, total	ug/L	MW-20	10/16/2024	ND	4.0000		
Lead, total	ug/L	MW-20	04/07/2025	ND	1.0000		*
Nickel, total	ug/L	MW-20	04/29/2020	ND	4.0000		
Nickel, total	ug/L	MW-20	04/06/2023	ND	4.0000		
Nickel, total	ug/L	MW-20	10/09/2023	ND	4.0000		
Nickel, total	ug/L	MW-20	04/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-20	10/16/2024	ND	4.0000		
Nickel, total	ug/L	MW-20	04/07/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-20	04/29/2020	ND	4.0000		
Selenium, total	ug/L	MW-20	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-20	10/09/2023	ND	4.0000		
Selenium, total	ug/L	MW-20	04/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-20	10/16/2024	ND	4.0000		
Selenium, total	ug/L	MW-20	04/07/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-20	04/29/2020	ND	4.0000		
Silver, total	ug/L	MW-20	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-20	10/09/2023	ND	4.0000		
Silver, total	ug/L	MW-20	04/04/2024	ND	4.0000		
Silver, total	ug/L	MW-20	10/16/2024	ND	4.0000		
Silver, total	ug/L	MW-20	04/07/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-20	04/29/2020	ND	2.0000		
Thallium, total	ug/L	MW-20	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-20	10/09/2023	ND	2.0000		
Thallium, total	ug/L	MW-20	04/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-20	10/16/2024	ND	2.0000		
Thallium, total	ug/L	MW-20	04/07/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-20	04/29/2020	ND	20.0000		
Vanadium, total	ug/L	MW-20	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-20	10/09/2023	ND	20.0000		
Vanadium, total	ug/L	MW-20	04/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-20	10/16/2024	ND	20.0000		
Vanadium, total	ug/L	MW-20	04/07/2025	ND	2.0000		*
Zinc, total	ug/L	MW-20	04/29/2020	ND	20.0000		
Zinc, total	ug/L	MW-20	04/06/2023	ND	20.0000		
Zinc, total	ug/L	MW-20	10/09/2023	ND	20.0000		
Zinc, total	ug/L	MW-20	04/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-20	10/16/2024	ND	20.0000		
Zinc, total	ug/L	MW-20	04/07/2025	ND	5.0000		*
Antimony, total	ug/L	MW-21	04/29/2020	ND	2.0000		
Antimony, total	ug/L	MW-21	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-21	10/09/2023	ND	2.0000		
Antimony, total	ug/L	MW-21	04/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-21	10/16/2024	ND	2.0000		
Antimony, total	ug/L	MW-21	04/07/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-21	04/29/2020	ND	4.0000		
Arsenic, total	ug/L	MW-21	04/06/2023	ND	4.0000		
Arsenic, total	ug/L	MW-21	10/09/2023	ND	4.0000		
Arsenic, total	ug/L	MW-21	04/04/2024	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	
Arsenic, total	ug/L	MW-21	10/16/2024	ND	4.0000		
Arsenic, total	ug/L	MW-21	04/07/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-21	04/29/2020		233.0000		
Barium, total	ug/L	MW-21	04/06/2023		192.0000		
Barium, total	ug/L	MW-21	10/09/2023		177.0000		
Barium, total	ug/L	MW-21	04/04/2024		207.0000		
Barium, total	ug/L	MW-21	10/16/2024		215.0000		
Barium, total	ug/L	MW-21	04/07/2025		212.0000		
Beryllium, total	ug/L	MW-21	04/29/2020	ND	4.0000		
Beryllium, total	ug/L	MW-21	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-21	10/09/2023	ND	4.0000		
Beryllium, total	ug/L	MW-21	04/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-21	10/16/2024	ND	4.0000		
Beryllium, total	ug/L	MW-21	04/07/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-21	04/29/2020	ND	0.8000		
Cadmium, total	ug/L	MW-21	04/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-21	10/09/2023	ND	0.8000		
Cadmium, total	ug/L	MW-21	04/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-21	10/16/2024	ND	0.8000		
Cadmium, total	ug/L	MW-21	04/07/2025	ND	0.2000		*
Chromium, total	ug/L	MW-21	04/29/2020	ND	8.0000		
Chromium, total	ug/L	MW-21	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-21	10/09/2023	ND	8.0000		
Chromium, total	ug/L	MW-21	04/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-21	10/16/2024	ND	8.0000		
Chromium, total	ug/L	MW-21	04/07/2025	ND	1.0000		*
Cobalt, total	ug/L	MW-21	04/29/2020	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-21	04/06/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-21	10/09/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-21	04/04/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-21	10/16/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-21	04/07/2025	ND	0.5000		
Copper, total	ug/L	MW-21	04/29/2020	ND	4.0000		
Copper, total	ug/L	MW-21	04/06/2023	ND	4.0000		
Copper, total	ug/L	MW-21	10/09/2023	ND	4.0000		
Copper, total	ug/L	MW-21	04/04/2024	ND	4.0000		
Copper, total	ug/L	MW-21	10/16/2024	ND	4.0000		
Copper, total	ug/L	MW-21	04/07/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-21	04/29/2020	ND	4.0000		
Lead, total	ug/L	MW-21	04/06/2023	ND	4.0000		
Lead, total	ug/L	MW-21	10/09/2023	ND	4.0000		
Lead, total	ug/L	MW-21	04/04/2024	ND	4.0000		
Lead, total	ug/L	MW-21	10/16/2024	ND	4.0000		
Lead, total	ug/L	MW-21	04/07/2025	ND	1.0000		*
Nickel, total	ug/L	MW-21	04/29/2020	ND	4.0000		
Nickel, total	ug/L	MW-21	04/06/2023	ND	4.0000		
Nickel, total	ug/L	MW-21	10/09/2023	ND	4.0000		
Nickel, total	ug/L	MW-21	04/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-21	10/16/2024	ND	4.0000		
Nickel, total	ug/L	MW-21	04/07/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-21	04/29/2020	ND	4.0000		
Selenium, total	ug/L	MW-21	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-21	10/09/2023	ND	4.0000		
Selenium, total	ug/L	MW-21	04/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-21	10/16/2024	ND	4.0000		
Selenium, total	ug/L	MW-21	04/07/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-21	04/29/2020	ND	4.0000		
Silver, total	ug/L	MW-21	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-21	10/09/2023	ND	4.0000		
Silver, total	ug/L	MW-21	04/04/2024	ND	4.0000		
Silver, total	ug/L	MW-21	10/16/2024	ND	4.0000		
Silver, total	ug/L	MW-21	04/07/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-21	04/29/2020	ND	2.0000		
Thallium, total	ug/L	MW-21	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-21	10/09/2023	ND	2.0000		
Thallium, total	ug/L	MW-21	04/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-21	10/16/2024	ND	2.0000		
Thallium, total	ug/L	MW-21	04/07/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-21	04/29/2020	ND	20.0000		
Vanadium, total	ug/L	MW-21	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-21	10/09/2023	ND	20.0000		
Vanadium, total	ug/L	MW-21	04/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-21	10/16/2024	ND	20.0000		
Vanadium, total	ug/L	MW-21	04/07/2025	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-21	04/29/2020	ND	20.0000		
Zinc, total	ug/L	MW-21	04/06/2023	ND	20.0000		
Zinc, total	ug/L	MW-21	10/09/2023	ND	20.0000		
Zinc, total	ug/L	MW-21	04/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-21	10/16/2024	ND	20.0000		
Zinc, total	ug/L	MW-21	04/07/2025	ND	5.0000		*

* - 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-1	04/07/2025	ND	1.0000		3.4000
Arsenic, total	ug/L	GU-1	04/07/2025	ND	2.0000		36.5093
Barium, total	ug/L	GU-1	04/07/2025		509.0000		664.8910
Beryllium, total	ug/L	GU-1	04/07/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	GU-1	04/07/2025	ND	0.2000		1.7000
Chromium, total	ug/L	GU-1	04/07/2025	ND	1.0000		8.0000
Cobalt, total	ug/L	GU-1	04/07/2025	ND	0.5000		4.0000
Copper, total	ug/L	GU-1	04/07/2025	ND	5.0000		8.4000
Lead, total	ug/L	GU-1	04/07/2025	ND	1.0000		4.0000
Nickel, total	ug/L	GU-1	04/07/2025		9.3000		17.1000
Selenium, total	ug/L	GU-1	04/07/2025	ND	2.0000		4.0000
Silver, total	ug/L	GU-1	04/07/2025	ND	5.0000		4.0000
Thallium, total	ug/L	GU-1	04/07/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	GU-1	04/07/2025	ND	2.0000		20.0000
Zinc, total	ug/L	GU-1	04/07/2025	ND	5.0000		45.3000
Antimony, total	ug/L	GU-2	04/07/2025	ND	1.0000		3.4000
Arsenic, total	ug/L	GU-2	04/07/2025	ND	2.0000		36.5093
Barium, total	ug/L	GU-2	04/07/2025		223.0000		664.8910
Beryllium, total	ug/L	GU-2	04/07/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	GU-2	04/07/2025	ND	0.2000		1.7000
Chromium, total	ug/L	GU-2	04/07/2025	ND	1.0000		8.0000
Cobalt, total	ug/L	GU-2	04/07/2025	ND	0.5000		4.0000
Copper, total	ug/L	GU-2	04/07/2025	ND	5.0000		8.4000
Lead, total	ug/L	GU-2	04/07/2025	ND	1.0000		4.0000
Nickel, total	ug/L	GU-2	04/07/2025	ND	5.0000		17.1000
Selenium, total	ug/L	GU-2	04/07/2025		2.0000		4.0000
Silver, total	ug/L	GU-2	04/07/2025	ND	5.0000		4.0000
Thallium, total	ug/L	GU-2	04/07/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	GU-2	04/07/2025	ND	2.0000		20.0000
Zinc, total	ug/L	GU-2	04/07/2025		21.1000		45.3000
Antimony, total	ug/L	MW-10	04/07/2025	ND	1.0000		3.4000
Arsenic, total	ug/L	MW-10	04/07/2025	ND	2.0000		36.5093
Barium, total	ug/L	MW-10	04/07/2025		119.0000		664.8910
Beryllium, total	ug/L	MW-10	04/07/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-10	04/07/2025		0.7000	**	1.7000
Chromium, total	ug/L	MW-10	04/07/2025	ND	1.0000		8.0000
Cobalt, total	ug/L	MW-10	04/07/2025	ND	0.5000		4.0000
Copper, total	ug/L	MW-10	04/07/2025		13.2000	***	8.4000
Lead, total	ug/L	MW-10	04/07/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-10	04/07/2025	ND	5.0000	**	17.1000
Selenium, total	ug/L	MW-10	04/07/2025	ND	2.0000		4.0000
Silver, total	ug/L	MW-10	04/07/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-10	04/07/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-10	04/07/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-10	04/07/2025		9.3000		45.3000
Antimony, total	ug/L	MW-14	04/07/2025	ND	1.0000		3.4000
Arsenic, total	ug/L	MW-14	04/07/2025		3.1000		36.5093
Barium, total	ug/L	MW-14	04/07/2025		236.0000	**	664.8910
Beryllium, total	ug/L	MW-14	04/07/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-14	04/07/2025	ND	0.2000		1.7000
Chromium, total	ug/L	MW-14	04/07/2025	ND	1.0000		8.0000
Cobalt, total	ug/L	MW-14	04/07/2025	ND	0.5000		4.0000
Copper, total	ug/L	MW-14	04/07/2025		6.6000		8.4000
Lead, total	ug/L	MW-14	04/07/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-14	04/07/2025	ND	5.0000		17.1000
Selenium, total	ug/L	MW-14	04/07/2025	ND	2.0000		4.0000
Silver, total	ug/L	MW-14	04/07/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-14	04/07/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-14	04/07/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-14	04/07/2025	ND	5.0000		45.3000
Antimony, total	ug/L	MW-15	04/07/2025	ND	1.0000		3.4000
Arsenic, total	ug/L	MW-15	04/07/2025	ND	2.0000		36.5093
Barium, total	ug/L	MW-15	04/07/2025		118.0000		664.8910
Beryllium, total	ug/L	MW-15	04/07/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-15	04/07/2025		0.2000		1.7000
Chromium, total	ug/L	MW-15	04/07/2025	ND	1.0000		8.0000
Cobalt, total	ug/L	MW-15	04/07/2025	ND	0.5000		4.0000
Copper, total	ug/L	MW-15	04/07/2025	ND	5.0000		8.4000
Lead, total	ug/L	MW-15	04/07/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-15	04/07/2025		16.0000	**	17.1000
Selenium, total	ug/L	MW-15	04/07/2025	ND	2.0000		4.0000
Silver, total	ug/L	MW-15	04/07/2025	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-15	04/07/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-15	04/07/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-15	04/07/2025	ND	5.0000		45.3000
Antimony, total	ug/L	MW-16	04/07/2025	ND	1.0000		3.4000
Arsenic, total	ug/L	MW-16	04/07/2025	ND	2.0000		36.5093
Barium, total	ug/L	MW-16	04/07/2025		564.0000	**	664.8910
Beryllium, total	ug/L	MW-16	04/07/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-16	04/07/2025		0.2000		1.7000
Chromium, total	ug/L	MW-16	04/07/2025		1.2000		8.0000
Cobalt, total	ug/L	MW-16	04/07/2025		0.7000		4.0000
Copper, total	ug/L	MW-16	04/07/2025	ND	5.0000		8.4000
Lead, total	ug/L	MW-16	04/07/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-16	04/07/2025		12.5000	**	17.1000
Selenium, total	ug/L	MW-16	04/07/2025	ND	2.0000		4.0000
Silver, total	ug/L	MW-16	04/07/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-16	04/07/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-16	04/07/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-16	04/07/2025		9.7000		45.3000
Antimony, total	ug/L	MW-3AR	04/07/2025	ND	1.0000		3.4000
Arsenic, total	ug/L	MW-3AR	04/07/2025	ND	2.0000		36.5093
Barium, total	ug/L	MW-3AR	04/07/2025		58.8000		664.8910
Beryllium, total	ug/L	MW-3AR	04/07/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-3AR	04/07/2025		2.2000	*	1.7000
Chromium, total	ug/L	MW-3AR	04/07/2025	ND	1.0000		8.0000
Cobalt, total	ug/L	MW-3AR	04/07/2025	ND	0.5000		4.0000
Copper, total	ug/L	MW-3AR	04/07/2025		7.5000		8.4000
Lead, total	ug/L	MW-3AR	04/07/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-3AR	04/07/2025	ND	5.0000		17.1000
Selenium, total	ug/L	MW-3AR	04/07/2025	ND	2.0000		4.0000
Silver, total	ug/L	MW-3AR	04/07/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-3AR	04/07/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-3AR	04/07/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-3AR	04/07/2025		6.6000		45.3000
Antimony, total	ug/L	MW-6B	04/07/2025	ND	1.0000		3.4000
Arsenic, total	ug/L	MW-6B	04/07/2025	ND	2.0000		36.5093
Barium, total	ug/L	MW-6B	04/07/2025		92.9000		664.8910
Beryllium, total	ug/L	MW-6B	04/07/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-6B	04/07/2025	ND	0.2000		1.7000
Chromium, total	ug/L	MW-6B	04/07/2025	ND	1.0000		8.0000
Cobalt, total	ug/L	MW-6B	04/07/2025	ND	0.5000		4.0000
Copper, total	ug/L	MW-6B	04/07/2025	ND	5.0000		8.4000
Lead, total	ug/L	MW-6B	04/07/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-6B	04/07/2025	ND	5.0000		17.1000
Selenium, total	ug/L	MW-6B	04/07/2025		2.2000		4.0000
Silver, total	ug/L	MW-6B	04/07/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-6B	04/07/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-6B	04/07/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-6B	04/07/2025		7.4000		45.3000
Antimony, total	ug/L	MW-7A	04/07/2025	ND	1.0000		3.4000
Arsenic, total	ug/L	MW-7A	04/07/2025	ND	2.0000		36.5093
Barium, total	ug/L	MW-7A	04/07/2025		231.0000		664.8910
Beryllium, total	ug/L	MW-7A	04/07/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-7A	04/07/2025		0.3000		1.7000
Chromium, total	ug/L	MW-7A	04/07/2025	ND	1.0000		8.0000
Cobalt, total	ug/L	MW-7A	04/07/2025		0.6000		4.0000
Copper, total	ug/L	MW-7A	04/07/2025	ND	5.0000		8.4000
Lead, total	ug/L	MW-7A	04/07/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-7A	04/07/2025		26.5000	*	17.1000
Selenium, total	ug/L	MW-7A	04/07/2025		4.0000		4.0000
Silver, total	ug/L	MW-7A	04/07/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-7A	04/07/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-7A	04/07/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-7A	04/07/2025		5.3000		45.3000
Antimony, total	ug/L	MW-7B	04/07/2025	ND	1.0000		3.4000
Arsenic, total	ug/L	MW-7B	04/07/2025	ND	2.0000		36.5093
Barium, total	ug/L	MW-7B	04/07/2025		749.0000	***	664.8910
Beryllium, total	ug/L	MW-7B	04/07/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-7B	04/07/2025	ND	0.2000		1.7000
Chromium, total	ug/L	MW-7B	04/07/2025	ND	1.0000		8.0000
Cobalt, total	ug/L	MW-7B	04/07/2025	ND	0.5000		4.0000
Copper, total	ug/L	MW-7B	04/07/2025	ND	5.0000		8.4000
Lead, total	ug/L	MW-7B	04/07/2025	ND	1.0000		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
Nickel, total	ug/L	MW-7B	04/07/2025		10.9000		17.1000
Selenium, total	ug/L	MW-7B	04/07/2025	ND	2.0000		4.0000
Silver, total	ug/L	MW-7B	04/07/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-7B	04/07/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-7B	04/07/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-7B	04/07/2025	ND	5.0000		45.3000
Antimony, total	ug/L	MW-8	04/07/2025	ND	1.0000		3.4000
Arsenic, total	ug/L	MW-8	04/07/2025		106.0000	*	36.5093
Barium, total	ug/L	MW-8	04/07/2025		1360.0000	*	664.8910
Beryllium, total	ug/L	MW-8	04/07/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-8	04/07/2025		2.6000	*	1.7000
Chromium, total	ug/L	MW-8	04/07/2025		1.7000		8.0000
Cobalt, total	ug/L	MW-8	04/07/2025		0.8000		4.0000
Copper, total	ug/L	MW-8	04/07/2025		6.7000		8.4000
Lead, total	ug/L	MW-8	04/07/2025		1.8000		4.0000
Nickel, total	ug/L	MW-8	04/07/2025		7.3000		17.1000
Selenium, total	ug/L	MW-8	04/07/2025	ND	2.0000		4.0000
Silver, total	ug/L	MW-8	04/07/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-8	04/07/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-8	04/07/2025		11.6000		20.0000
Zinc, total	ug/L	MW-8	04/07/2025		145.0000	*	45.3000
Antimony, total	ug/L	MW-9	04/07/2025	ND	1.0000		3.4000
Arsenic, total	ug/L	MW-9	04/07/2025		3.7000		36.5093
Barium, total	ug/L	MW-9	04/07/2025		70.7000		664.8910
Beryllium, total	ug/L	MW-9	04/07/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-9	04/07/2025	ND	0.2000		1.7000
Chromium, total	ug/L	MW-9	04/07/2025	ND	1.0000		8.0000
Cobalt, total	ug/L	MW-9	04/07/2025	ND	0.5000		4.0000
Copper, total	ug/L	MW-9	04/07/2025	ND	5.0000		8.4000
Lead, total	ug/L	MW-9	04/07/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-9	04/07/2025	ND	5.0000		17.1000
Selenium, total	ug/L	MW-9	04/07/2025	ND	2.0000		4.0000
Silver, total	ug/L	MW-9	04/07/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-9	04/07/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-9	04/07/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-9	04/07/2025	ND	5.0000		45.3000

* - 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	2	104	0.019	7	425	0.016
Arsenic, total	49	98	0.500	213	427	0.499
Barium, total	100	100	1.000	426	426	1.000
Beryllium, total	0	96	0.000	3	425	0.007
Cadmium, total	9	97	0.093	70	425	0.165
Chromium, total	0	96	0.000	24	426	0.056
Cobalt, total	19	99	0.192	173	426	0.406
Copper, total	6	102	0.059	139	429	0.324
Lead, total	0	96	0.000	63	426	0.148
Nickel, total	30	101	0.297	367	429	0.855
Selenium, total	2	104	0.019	38	428	0.089
Silver, total	0	104	0.000	0	425	0.000
Thallium, total	0	96	0.000	3	424	0.007
Vanadium, total	0	96	0.000	39	426	0.092
Zinc, total	16	99	0.162	208	428	0.486

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	2	104	0.019									nonpar
Arsenic, total	49	98	0.500	2.816	1.465					2.326	lognor	lognor
Barium, total	100	100	1.000	4.204	1.294					2.326	lognor	lognor
Beryllium, total	0	96	0.000									nonpar
Cadmium, total	9	97	0.093	1.068	1.288					2.326	normal	nonpar
Chromium, total	0	96	0.000									nonpar
Cobalt, total	19	99	0.192	1.859	0.438					2.326	normal	nonpar
Copper, total	6	102	0.059	1.398	1.202					2.326	normal	nonpar
Lead, total	0	96	0.000									nonpar
Nickel, total	30	101	0.297	2.627	1.236					2.326	lognor	nonpar
Selenium, total	2	104	0.019									nonpar
Silver, total	0	104	0.000									nonpar
Thallium, total	0	96	0.000									nonpar
Vanadium, total	0	96	0.000									nonpar
Zinc, total	16	99	0.162	1.121	0.293					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	2	104					3.4000	nonpar		0.99
Arsenic, total	ug/L	49	98	0.9906	1.0966	0.0100	2.3774	36.5093	lognor		
Barium, total	ug/L	100	100	4.8521	0.6933	0.0100	2.3764	664.8910	lognor		
Beryllium, total	ug/L	0	96					4.0000	nonpar	***	0.99
Cadmium, total	ug/L	9	97					1.7000	nonpar		0.99
Chromium, total	ug/L	0	96					8.0000	nonpar	***	0.99
Cobalt, total	ug/L	19	99					4.0000	nonpar		0.99
Copper, total	ug/L	6	102					8.4000	nonpar		0.99
Lead, total	ug/L	0	96					4.0000	nonpar	***	0.99
Nickel, total	ug/L	30	101					17.1000	nonpar		0.99
Selenium, total	ug/L	2	104					4.0000	nonpar	***	0.99
Silver, total	ug/L	0	104					4.0000	nonpar	***	0.99
Thallium, total	ug/L	0	96					2.0000	nonpar	***	0.99
Vanadium, total	ug/L	0	96					20.0000	nonpar	***	0.99
Zinc, total	ug/L	16	99					45.3000	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-11	04/07/2025	0.5000	< 0.5000	04/07/2014-04/07/2025	25	0.4893
Chromium, total	ug/L	MW-11	04/07/2025	1.0000	< 1.0000	04/07/2014-04/07/2025	25	0.4893
Lead, total	ug/L	MW-11	04/07/2025	1.0000	< 1.0000	04/07/2014-04/07/2025	25	0.4893
Thallium, total	ug/L	MW-11	04/07/2025	0.5000	< 0.5000	04/07/2014-04/07/2025	25	0.4893
Vanadium, total	ug/L	MW-11	04/07/2025	2.0000	< 2.0000	04/07/2014-04/07/2025	25	0.4893
Arsenic, total	ug/L	MW-12	04/07/2014	21.7000		04/07/2014-04/07/2025	23	0.5162
Arsenic, total	ug/L	MW-12	10/11/2017	24.3000		04/07/2014-04/07/2025	23	0.5162
Beryllium, total	ug/L	MW-12	04/07/2025	0.5000	< 0.5000	04/07/2014-04/07/2025	25	0.4893
Cadmium, total	ug/L	MW-12	10/09/2020	4.0000		04/07/2014-04/07/2025	25	0.4893
Chromium, total	ug/L	MW-12	04/07/2025	1.0000	< 1.0000	04/07/2014-04/07/2025	25	0.4893
Cobalt, total	ug/L	MW-12	04/07/2014	4.0000	< 4.0000	04/07/2014-04/07/2025	25	0.4969
Cobalt, total	ug/L	MW-12	10/12/2022	2.6000		04/07/2014-04/07/2025	25	0.4969
Lead, total	ug/L	MW-12	04/07/2025	1.0000	< 1.0000	04/07/2014-04/07/2025	25	0.4893
Thallium, total	ug/L	MW-12	04/07/2025	0.5000	< 0.5000	04/07/2014-04/07/2025	25	0.4893
Vanadium, total	ug/L	MW-12	04/07/2025	2.0000	< 2.0000	04/07/2014-04/07/2025	25	0.4893
Beryllium, total	ug/L	MW-13	04/07/2025	0.5000	< 0.5000	06/27/2023-04/07/2025	5	0.7819
Cadmium, total	ug/L	MW-13	04/07/2025	0.2000		06/27/2023-04/07/2025	5	0.7819
Chromium, total	ug/L	MW-13	04/07/2025	1.0000		06/27/2023-04/07/2025	5	0.7819
Lead, total	ug/L	MW-13	04/07/2025	1.0000	< 1.0000	06/27/2023-04/07/2025	5	0.7819
Thallium, total	ug/L	MW-13	04/07/2025	0.5000	< 0.5000	06/27/2023-04/07/2025	5	0.7819
Vanadium, total	ug/L	MW-13	04/07/2025	2.0000	< 2.0000	06/27/2023-04/07/2025	5	0.7819
Zinc, total	ug/L	MW-13	04/07/2025	5.0000	< 5.0000	06/27/2023-04/07/2025	5	0.7819
Beryllium, total	ug/L	MW-17	04/07/2025	0.5000	< 0.5000	04/07/2014-04/07/2025	25	0.4893
Cadmium, total	ug/L	MW-17	04/07/2025	0.2000	< 0.2000	04/07/2014-04/07/2025	25	0.4893
Chromium, total	ug/L	MW-17	04/07/2025	1.0000	< 1.0000	04/07/2014-04/07/2025	25	0.4893
Cobalt, total	ug/L	MW-17	04/07/2014	4.0000	< 4.0000	04/07/2014-04/07/2025	25	0.4893
Lead, total	ug/L	MW-17	04/07/2025	1.0000	< 1.0000	04/07/2014-04/07/2025	25	0.4893
Thallium, total	ug/L	MW-17	04/07/2025	0.5000	< 0.5000	04/07/2014-04/07/2025	25	0.4893
Vanadium, total	ug/L	MW-17	04/07/2025	2.0000	< 2.0000	04/07/2014-04/07/2025	25	0.4893
Beryllium, total	ug/L	MW-18	04/07/2025	0.5000	< 0.5000	04/29/2020-04/07/2025	6	0.6987
Cadmium, total	ug/L	MW-18	04/07/2025	0.2000	< 0.2000	04/29/2020-04/07/2025	6	0.6987
Chromium, total	ug/L	MW-18	04/07/2025	1.0000		04/29/2020-04/07/2025	6	0.6987
Copper, total	ug/L	MW-18	04/06/2023	23.9000		04/29/2020-04/07/2025	6	0.6987
Lead, total	ug/L	MW-18	04/07/2025	1.0000	< 1.0000	04/29/2020-04/07/2025	6	0.6987
Thallium, total	ug/L	MW-18	04/07/2025	0.5000	< 0.5000	04/29/2020-04/07/2025	6	0.6987
Vanadium, total	ug/L	MW-18	04/07/2025	2.0000	< 2.0000	04/29/2020-04/07/2025	6	0.6987
Zinc, total	ug/L	MW-18	04/07/2025	5.5000		04/29/2020-04/07/2025	6	0.6987
Beryllium, total	ug/L	MW-19	04/07/2025	0.5000	< 0.5000	04/29/2020-04/07/2025	6	0.6987
Cadmium, total	ug/L	MW-19	04/07/2025	0.2000	< 0.2000	04/29/2020-04/07/2025	6	0.6987
Chromium, total	ug/L	MW-19	04/07/2025	1.0000	< 1.0000	04/29/2020-04/07/2025	6	0.6987
Lead, total	ug/L	MW-19	04/07/2025	1.0000	< 1.0000	04/29/2020-04/07/2025	6	0.6987
Thallium, total	ug/L	MW-19	04/07/2025	0.5000	< 0.5000	04/29/2020-04/07/2025	6	0.6987
Vanadium, total	ug/L	MW-19	04/07/2025	2.0000	< 2.0000	04/29/2020-04/07/2025	6	0.6987
Zinc, total	ug/L	MW-19	04/07/2025	5.0000	< 5.0000	04/29/2020-04/07/2025	6	0.6987
Beryllium, total	ug/L	MW-20	04/07/2025	0.5000	< 0.5000	04/29/2020-04/07/2025	6	0.6987
Cadmium, total	ug/L	MW-20	04/07/2025	0.2000	< 0.2000	04/29/2020-04/07/2025	6	0.6987
Chromium, total	ug/L	MW-20	04/07/2025	1.0000	< 1.0000	04/29/2020-04/07/2025	6	0.6987
Lead, total	ug/L	MW-20	04/07/2025	1.0000	< 1.0000	04/29/2020-04/07/2025	6	0.6987
Thallium, total	ug/L	MW-20	04/07/2025	0.5000	< 0.5000	04/29/2020-04/07/2025	6	0.6987
Vanadium, total	ug/L	MW-20	04/07/2025	2.0000	< 2.0000	04/29/2020-04/07/2025	6	0.6987
Zinc, total	ug/L	MW-20	04/07/2025	5.0000	< 5.0000	04/29/2020-04/07/2025	6	0.6987
Beryllium, total	ug/L	MW-21	04/07/2025	0.5000	< 0.5000	04/29/2020-04/07/2025	6	0.6987
Cadmium, total	ug/L	MW-21	04/07/2025	0.2000	< 0.2000	04/29/2020-04/07/2025	6	0.6987
Chromium, total	ug/L	MW-21	04/07/2025	1.0000	< 1.0000	04/29/2020-04/07/2025	6	0.6987
Lead, total	ug/L	MW-21	04/07/2025	1.0000	< 1.0000	04/29/2020-04/07/2025	6	0.6987
Thallium, total	ug/L	MW-21	04/07/2025	0.5000	< 0.5000	04/29/2020-04/07/2025	6	0.6987
Vanadium, total	ug/L	MW-21	04/07/2025	2.0000	< 2.0000	04/29/2020-04/07/2025	6	0.6987
Zinc, total	ug/L	MW-21	04/07/2025	5.0000	< 5.0000	04/29/2020-04/07/2025	6	0.6987

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
Cadmium, total	ug/L	MW-10	04/22/2008	ND	1.0000	1.7000
Cadmium, total	ug/L	MW-10	06/24/2008		2.3000 *	1.7000
Cadmium, total	ug/L	MW-10	08/01/2008		1.0000	1.7000
Cadmium, total	ug/L	MW-10	10/31/2008	ND	1.0000	1.7000
Cadmium, total	ug/L	MW-10	01/06/2009	ND	1.0000	1.7000
Cadmium, total	ug/L	MW-10	04/13/2009	ND	1.0000	1.7000
Cadmium, total	ug/L	MW-10	10/29/2009	ND	1.0000	1.7000
Cadmium, total	ug/L	MW-10	04/19/2010	ND	5.0000	1.7000
Cadmium, total	ug/L	MW-10	10/20/2010		2.8000 *	1.7000
Cadmium, total	ug/L	MW-10	04/20/2011	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-10	10/13/2011		2.0000 *	1.7000
Cadmium, total	ug/L	MW-10	04/25/2012		1.1000	1.7000
Cadmium, total	ug/L	MW-10	04/15/2013		0.8000	1.7000
Cadmium, total	ug/L	MW-10	08/06/2013	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-10	04/07/2014		0.8000	1.7000
Cadmium, total	ug/L	MW-10	10/23/2014	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-10	04/02/2015	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-10	10/26/2015	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-10	04/01/2016	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-10	10/19/2016	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-10	04/17/2017	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-10	10/11/2017	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-10	06/01/2018	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-10	10/03/2018		8.6000 *	1.7000
Cadmium, total	ug/L	MW-10	04/08/2019	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-10	10/11/2019	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-10	04/27/2020	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-10	10/09/2020	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-10	04/09/2021		1.7000	1.7000
Cadmium, total	ug/L	MW-10	10/25/2021	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-10	04/11/2022	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-10	10/12/2022	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-10	04/06/2023	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-10	10/09/2023	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-10	04/04/2024	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-10	10/16/2024		4.0000 *	1.7000
Cadmium, total	ug/L	MW-10	04/07/2025		0.7000	1.7000
Copper, total	ug/L	MW-10	04/22/2008		15.0000 *	8.4000
Copper, total	ug/L	MW-10	06/24/2008		10.0000 *	8.4000
Copper, total	ug/L	MW-10	08/01/2008		10.0000 *	8.4000
Copper, total	ug/L	MW-10	10/31/2008		5.6000	8.4000
Copper, total	ug/L	MW-10	01/06/2009		5.4000	8.4000
Copper, total	ug/L	MW-10	04/13/2009		4.7000	8.4000
Copper, total	ug/L	MW-10	10/29/2009	ND	4.0000	8.4000
Copper, total	ug/L	MW-10	04/19/2010		92.9000 *	8.4000
Copper, total	ug/L	MW-10	10/20/2010		78.9000 *	8.4000
Copper, total	ug/L	MW-10	04/20/2011		10.1000 *	8.4000
Copper, total	ug/L	MW-10	10/13/2011		68.9000 *	8.4000
Copper, total	ug/L	MW-10	04/25/2012		15.1000 *	8.4000
Copper, total	ug/L	MW-10	04/15/2013		7.8000	8.4000
Copper, total	ug/L	MW-10	08/06/2013		16.9000 *	8.4000
Copper, total	ug/L	MW-10	04/07/2014		10.4000 *	8.4000
Copper, total	ug/L	MW-10	10/23/2014		10.9000 *	8.4000
Copper, total	ug/L	MW-10	04/02/2015	ND	4.0000	8.4000
Copper, total	ug/L	MW-10	10/26/2015		20.1000 *	8.4000
Copper, total	ug/L	MW-10	04/01/2016		9.3000 *	8.4000
Copper, total	ug/L	MW-10	10/19/2016		5.3000	8.4000
Copper, total	ug/L	MW-10	04/17/2017	ND	4.0000	8.4000
Copper, total	ug/L	MW-10	10/11/2017	ND	4.0000	8.4000
Copper, total	ug/L	MW-10	06/01/2018	ND	4.0000	8.4000
Copper, total	ug/L	MW-10	10/03/2018		4.6000	8.4000
Copper, total	ug/L	MW-10	04/08/2019		20.3000 *	8.4000
Copper, total	ug/L	MW-10	10/11/2019		8.6000 *	8.4000
Copper, total	ug/L	MW-10	04/27/2020	ND	4.0000	8.4000
Copper, total	ug/L	MW-10	10/09/2020	ND	4.0000	8.4000
Copper, total	ug/L	MW-10	04/09/2021		11.9000 *	8.4000
Copper, total	ug/L	MW-10	10/25/2021	ND	4.0000	8.4000
Copper, total	ug/L	MW-10	04/11/2022	ND	4.0000	8.4000
Copper, total	ug/L	MW-10	10/12/2022	ND	4.0000	8.4000
Copper, total	ug/L	MW-10	04/06/2023	ND	4.0000	8.4000
Copper, total	ug/L	MW-10	10/09/2023		18.2000 *	8.4000

* - 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
Copper, total	ug/L	MW-10	04/04/2024		13.9000 *	8.4000
Copper, total	ug/L	MW-10	10/16/2024		29.5000 *	8.4000
Copper, total	ug/L	MW-10	04/07/2025		13.2000 *	8.4000
Nickel, total	ug/L	MW-10	04/22/2008		14.0000	17.1000
Nickel, total	ug/L	MW-10	06/24/2008		12.0000	17.1000
Nickel, total	ug/L	MW-10	08/01/2008		13.0000	17.1000
Nickel, total	ug/L	MW-10	10/31/2008		18.0000 *	17.1000
Nickel, total	ug/L	MW-10	01/06/2009		19.2000 *	17.1000
Nickel, total	ug/L	MW-10	04/13/2009		11.6000	17.1000
Nickel, total	ug/L	MW-10	10/29/2009		11.7000	17.1000
Nickel, total	ug/L	MW-10	04/19/2010		48.3000 *	17.1000
Nickel, total	ug/L	MW-10	10/20/2010		50.1000 *	17.1000
Nickel, total	ug/L	MW-10	04/20/2011		39.0000 *	17.1000
Nickel, total	ug/L	MW-10	10/13/2011		27.3000 *	17.1000
Nickel, total	ug/L	MW-10	04/25/2012		45.7000 *	17.1000
Nickel, total	ug/L	MW-10	04/15/2013		26.8000 *	17.1000
Nickel, total	ug/L	MW-10	08/06/2013		19.4000 *	17.1000
Nickel, total	ug/L	MW-10	04/07/2014		29.6000 *	17.1000
Nickel, total	ug/L	MW-10	10/23/2014		10.5000	17.1000
Nickel, total	ug/L	MW-10	04/02/2015		21.4000 *	17.1000
Nickel, total	ug/L	MW-10	10/26/2015	ND	4.0000	17.1000
Nickel, total	ug/L	MW-10	04/01/2016	ND	4.0000	17.1000
Nickel, total	ug/L	MW-10	10/19/2016		5.1000	17.1000
Nickel, total	ug/L	MW-10	04/17/2017		16.8000	17.1000
Nickel, total	ug/L	MW-10	10/11/2017	ND	4.0000	17.1000
Nickel, total	ug/L	MW-10	06/01/2018		12.7000	17.1000
Nickel, total	ug/L	MW-10	10/03/2018		4.8000	17.1000
Nickel, total	ug/L	MW-10	04/08/2019	ND	4.0000	17.1000
Nickel, total	ug/L	MW-10	10/11/2019		14.1000	17.1000
Nickel, total	ug/L	MW-10	04/27/2020		19.0000 *	17.1000
Nickel, total	ug/L	MW-10	10/09/2020		16.9000	17.1000
Nickel, total	ug/L	MW-10	04/09/2021		5.0000	17.1000
Nickel, total	ug/L	MW-10	10/25/2021	ND	4.0000	17.1000
Nickel, total	ug/L	MW-10	04/11/2022		11.1000	17.1000
Nickel, total	ug/L	MW-10	10/12/2022	ND	4.0000	17.1000
Nickel, total	ug/L	MW-10	04/06/2023	ND	4.0000	17.1000
Nickel, total	ug/L	MW-10	10/09/2023		5.4000	17.1000
Nickel, total	ug/L	MW-10	04/04/2024	ND	4.0000	17.1000
Nickel, total	ug/L	MW-10	10/16/2024		25.9000 *	17.1000
Nickel, total	ug/L	MW-10	04/07/2025	ND	5.0000	17.1000
Barium, total	ug/L	MW-14	10/31/2008		2530.0000 *	664.8910
Barium, total	ug/L	MW-14	01/06/2009		2550.0000 *	664.8910
Barium, total	ug/L	MW-14	02/10/2009		2660.0000 *	664.8910
Barium, total	ug/L	MW-14	04/14/2009		2320.0000 *	664.8910
Barium, total	ug/L	MW-14	06/09/2009		2800.0000 *	664.8910
Barium, total	ug/L	MW-14	10/28/2009		2280.0000 *	664.8910
Barium, total	ug/L	MW-14	04/19/2010		2190.0000 *	664.8910
Barium, total	ug/L	MW-14	10/20/2010		3020.0000 *	664.8910
Barium, total	ug/L	MW-14	04/20/2011		2500.0000 *	664.8910
Barium, total	ug/L	MW-14	10/13/2011		2330.0000 *	664.8910
Barium, total	ug/L	MW-14	04/25/2012		2200.0000 *	664.8910
Barium, total	ug/L	MW-14	10/22/2012		2540.0000 *	664.8910
Barium, total	ug/L	MW-14	04/15/2013		1200.0000 *	664.8910
Barium, total	ug/L	MW-14	08/06/2013		2490.0000 *	664.8910
Barium, total	ug/L	MW-14	04/07/2014		2000.0000 *	664.8910
Barium, total	ug/L	MW-14	10/23/2014		1060.0000 *	664.8910
Barium, total	ug/L	MW-14	04/02/2015		508.0000	664.8910
Barium, total	ug/L	MW-14	10/26/2015		923.0000 *	664.8910
Barium, total	ug/L	MW-14	04/01/2016		1690.0000 *	664.8910
Barium, total	ug/L	MW-14	10/19/2016		1190.0000 *	664.8910
Barium, total	ug/L	MW-14	04/17/2017		1790.0000 *	664.8910
Barium, total	ug/L	MW-14	10/11/2017		1320.0000 *	664.8910
Barium, total	ug/L	MW-14	06/01/2018		1620.0000 *	664.8910
Barium, total	ug/L	MW-14	10/03/2018		1100.0000 *	664.8910
Barium, total	ug/L	MW-14	04/08/2019		1070.0000 *	664.8910
Barium, total	ug/L	MW-14	10/11/2019		1000.0000 *	664.8910
Barium, total	ug/L	MW-14	04/27/2020		1170.0000 *	664.8910
Barium, total	ug/L	MW-14	10/09/2020		1630.0000 *	664.8910
Barium, total	ug/L	MW-14	04/09/2021		592.0000	664.8910
Barium, total	ug/L	MW-14	10/25/2021		612.0000	664.8910
Barium, total	ug/L	MW-14	04/11/2022		1080.0000 *	664.8910

* - 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
Barium, total	ug/L	MW-14	10/12/2022		1660.0000 *	664.8910
Barium, total	ug/L	MW-14	04/06/2023		411.0000	664.8910
Barium, total	ug/L	MW-14	10/09/2023		1430.0000 *	664.8910
Barium, total	ug/L	MW-14	04/04/2024		53.7000	664.8910
Barium, total	ug/L	MW-14	10/16/2024		1370.0000 *	664.8910
Barium, total	ug/L	MW-14	04/07/2025		236.0000	664.8910
Nickel, total	ug/L	MW-15	10/31/2008		62.8000 *	17.1000
Nickel, total	ug/L	MW-15	01/06/2009		68.0000 *	17.1000
Nickel, total	ug/L	MW-15	02/10/2009		57.5000 *	17.1000
Nickel, total	ug/L	MW-15	04/13/2009		73.0000 *	17.1000
Nickel, total	ug/L	MW-15	06/09/2009		77.8000 *	17.1000
Nickel, total	ug/L	MW-15	10/28/2009		65.7000 *	17.1000
Nickel, total	ug/L	MW-15	04/19/2010		76.8000 *	17.1000
Nickel, total	ug/L	MW-15	10/20/2010		87.4000 *	17.1000
Nickel, total	ug/L	MW-15	04/20/2011		60.4000 *	17.1000
Nickel, total	ug/L	MW-15	10/13/2011		73.1000 *	17.1000
Nickel, total	ug/L	MW-15	04/25/2012		85.6000 *	17.1000
Nickel, total	ug/L	MW-15	10/22/2012		39.3000 *	17.1000
Nickel, total	ug/L	MW-15	04/15/2013		53.7000 *	17.1000
Nickel, total	ug/L	MW-15	08/06/2013		52.0000 *	17.1000
Nickel, total	ug/L	MW-15	04/07/2014		30.3000 *	17.1000
Nickel, total	ug/L	MW-15	10/23/2014		51.9000 *	17.1000
Nickel, total	ug/L	MW-15	04/02/2015		48.0000 *	17.1000
Nickel, total	ug/L	MW-15	10/26/2015		51.7000 *	17.1000
Nickel, total	ug/L	MW-15	04/01/2016		18.8000 *	17.1000
Nickel, total	ug/L	MW-15	10/19/2016		24.7000 *	17.1000
Nickel, total	ug/L	MW-15	04/17/2017		20.2000 *	17.1000
Nickel, total	ug/L	MW-15	10/11/2017		16.5000	17.1000
Nickel, total	ug/L	MW-15	06/01/2018		32.2000 *	17.1000
Nickel, total	ug/L	MW-15	10/03/2018		34.8000 *	17.1000
Nickel, total	ug/L	MW-15	04/08/2019		14.3000	17.1000
Nickel, total	ug/L	MW-15	10/11/2019		18.8000 *	17.1000
Nickel, total	ug/L	MW-15	04/27/2020		15.1000	17.1000
Nickel, total	ug/L	MW-15	10/09/2020		29.7000 *	17.1000
Nickel, total	ug/L	MW-15	04/09/2021		17.7000 *	17.1000
Nickel, total	ug/L	MW-15	10/25/2021		16.2000	17.1000
Nickel, total	ug/L	MW-15	04/11/2022		13.7000	17.1000
Nickel, total	ug/L	MW-15	10/12/2022		34.2000 *	17.1000
Nickel, total	ug/L	MW-15	04/06/2023		14.4000	17.1000
Nickel, total	ug/L	MW-15	10/09/2023		47.6000 *	17.1000
Nickel, total	ug/L	MW-15	04/04/2024		17.6000 *	17.1000
Nickel, total	ug/L	MW-15	10/16/2024		28.9000 *	17.1000
Nickel, total	ug/L	MW-15	04/07/2025		16.0000	17.1000
Barium, total	ug/L	MW-16	10/31/2008		596.0000	664.8910
Barium, total	ug/L	MW-16	02/10/2009		616.0000	664.8910
Barium, total	ug/L	MW-16	04/13/2009		599.0000	664.8910
Barium, total	ug/L	MW-16	06/09/2009		838.0000 *	664.8910
Barium, total	ug/L	MW-16	10/28/2009		598.0000	664.8910
Barium, total	ug/L	MW-16	04/19/2010		742.0000 *	664.8910
Barium, total	ug/L	MW-16	10/20/2010		727.0000 *	664.8910
Barium, total	ug/L	MW-16	04/20/2011		567.0000	664.8910
Barium, total	ug/L	MW-16	10/13/2011		493.0000	664.8910
Barium, total	ug/L	MW-16	04/25/2012		504.0000	664.8910
Barium, total	ug/L	MW-16	10/22/2012		683.0000 *	664.8910
Barium, total	ug/L	MW-16	04/15/2013		485.0000	664.8910
Barium, total	ug/L	MW-16	08/06/2013		481.0000	664.8910
Barium, total	ug/L	MW-16	04/07/2014		519.0000	664.8910
Barium, total	ug/L	MW-16	10/23/2014		542.0000	664.8910
Barium, total	ug/L	MW-16	04/02/2015		534.0000	664.8910
Barium, total	ug/L	MW-16	10/26/2015		572.0000	664.8910
Barium, total	ug/L	MW-16	04/01/2016		602.0000	664.8910
Barium, total	ug/L	MW-16	10/19/2016		525.0000	664.8910
Barium, total	ug/L	MW-16	04/17/2017		414.0000	664.8910
Barium, total	ug/L	MW-16	10/11/2017		286.0000	664.8910
Barium, total	ug/L	MW-16	06/01/2018		528.0000	664.8910
Barium, total	ug/L	MW-16	10/03/2018		274.0000	664.8910
Barium, total	ug/L	MW-16	04/08/2019		241.0000	664.8910
Barium, total	ug/L	MW-16	10/11/2019		236.0000	664.8910
Barium, total	ug/L	MW-16	04/27/2020		420.0000	664.8910
Barium, total	ug/L	MW-16	10/09/2020		264.0000	664.8910
Barium, total	ug/L	MW-16	04/09/2021		526.0000	664.8910

* - 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
Barium, total	ug/L	MW-16	10/25/2021		450.0000	664.8910
Barium, total	ug/L	MW-16	04/11/2022		557.0000	664.8910
Barium, total	ug/L	MW-16	10/12/2022		350.0000	664.8910
Barium, total	ug/L	MW-16	04/06/2023		548.0000	664.8910
Barium, total	ug/L	MW-16	10/09/2023		321.0000	664.8910
Barium, total	ug/L	MW-16	04/04/2024		974.0000 *	664.8910
Barium, total	ug/L	MW-16	10/16/2024		869.0000 *	664.8910
Barium, total	ug/L	MW-16	04/07/2025		564.0000	664.8910
Nickel, total	ug/L	MW-16	10/31/2008		23.2000 *	17.1000
Nickel, total	ug/L	MW-16	02/10/2009		24.8000 *	17.1000
Nickel, total	ug/L	MW-16	04/13/2009		28.1000 *	17.1000
Nickel, total	ug/L	MW-16	06/09/2009		35.5000 *	17.1000
Nickel, total	ug/L	MW-16	10/28/2009		23.1000 *	17.1000
Nickel, total	ug/L	MW-16	04/19/2010		50.0000 *	17.1000
Nickel, total	ug/L	MW-16	10/20/2010		46.2000 *	17.1000
Nickel, total	ug/L	MW-16	04/20/2011		16.8000	17.1000
Nickel, total	ug/L	MW-16	10/13/2011		22.5000 *	17.1000
Nickel, total	ug/L	MW-16	04/25/2012		23.5000 *	17.1000
Nickel, total	ug/L	MW-16	10/22/2012		22.5000 *	17.1000
Nickel, total	ug/L	MW-16	04/15/2013		17.7000 *	17.1000
Nickel, total	ug/L	MW-16	08/06/2013		15.9000	17.1000
Nickel, total	ug/L	MW-16	04/07/2014		21.4000 *	17.1000
Nickel, total	ug/L	MW-16	10/23/2014		15.4000	17.1000
Nickel, total	ug/L	MW-16	04/02/2015		16.1000	17.1000
Nickel, total	ug/L	MW-16	10/26/2015		15.6000	17.1000
Nickel, total	ug/L	MW-16	04/01/2016		16.0000	17.1000
Nickel, total	ug/L	MW-16	10/19/2016		11.2000	17.1000
Nickel, total	ug/L	MW-16	04/17/2017		12.8000	17.1000
Nickel, total	ug/L	MW-16	10/11/2017		9.0000	17.1000
Nickel, total	ug/L	MW-16	06/01/2018		11.3000	17.1000
Nickel, total	ug/L	MW-16	10/03/2018		8.0000	17.1000
Nickel, total	ug/L	MW-16	04/08/2019		5.6000	17.1000
Nickel, total	ug/L	MW-16	10/11/2019		7.2000	17.1000
Nickel, total	ug/L	MW-16	04/27/2020		12.1000	17.1000
Nickel, total	ug/L	MW-16	10/09/2020		8.7000	17.1000
Nickel, total	ug/L	MW-16	04/09/2021		14.1000	17.1000
Nickel, total	ug/L	MW-16	06/23/2021		12.2000	17.1000
Nickel, total	ug/L	MW-16	10/25/2021		14.4000	17.1000
Nickel, total	ug/L	MW-16	01/13/2022		14.8000	17.1000
Nickel, total	ug/L	MW-16	04/11/2022		12.1000	17.1000
Nickel, total	ug/L	MW-16	10/12/2022		11.2000	17.1000
Nickel, total	ug/L	MW-16	04/06/2023		14.4000	17.1000
Nickel, total	ug/L	MW-16	10/09/2023		11.5000	17.1000
Nickel, total	ug/L	MW-16	04/04/2024		14.5000	17.1000
Nickel, total	ug/L	MW-16	10/16/2024		31.3000 *	17.1000
Nickel, total	ug/L	MW-16	04/07/2025		12.5000	17.1000
Cadmium, total	ug/L	MW-3AR	04/22/2008		1.1000	1.7000
Cadmium, total	ug/L	MW-3AR	06/24/2008		2.4000 *	1.7000
Cadmium, total	ug/L	MW-3AR	08/01/2008	ND	1.0000	1.7000
Cadmium, total	ug/L	MW-3AR	10/31/2008	ND	1.0000	1.7000
Cadmium, total	ug/L	MW-3AR	01/06/2009	ND	1.0000	1.7000
Cadmium, total	ug/L	MW-3AR	04/14/2009		9.6000 *	1.7000
Cadmium, total	ug/L	MW-3AR	10/29/2009		1.3000	1.7000
Cadmium, total	ug/L	MW-3AR	04/19/2010		29.7000 *	1.7000
Cadmium, total	ug/L	MW-3AR	10/20/2010		20.2000 *	1.7000
Cadmium, total	ug/L	MW-3AR	04/20/2011		5.6000 *	1.7000
Cadmium, total	ug/L	MW-3AR	10/13/2011		4.0000 *	1.7000
Cadmium, total	ug/L	MW-3AR	04/25/2012		14.4000 *	1.7000
Cadmium, total	ug/L	MW-3AR	10/22/2012	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-3AR	04/15/2013		1.8000 *	1.7000
Cadmium, total	ug/L	MW-3AR	08/06/2013		1.0000	1.7000
Cadmium, total	ug/L	MW-3AR	04/07/2014	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-3AR	10/23/2014		1.5000	1.7000
Cadmium, total	ug/L	MW-3AR	04/02/2015		4.9000 *	1.7000
Cadmium, total	ug/L	MW-3AR	10/26/2015		1.5000	1.7000
Cadmium, total	ug/L	MW-3AR	04/01/2016		0.8000	1.7000
Cadmium, total	ug/L	MW-3AR	10/19/2016		0.8000	1.7000
Cadmium, total	ug/L	MW-3AR	04/17/2017	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-3AR	10/11/2017		1.6000	1.7000
Cadmium, total	ug/L	MW-3AR	06/01/2018	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-3AR	10/03/2018		1.3000	1.7000

* - 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
Cadmium, total	ug/L	MW-3AR	10/11/2019		0.8000	1.7000
Cadmium, total	ug/L	MW-3AR	04/27/2020	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-3AR	04/09/2021	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-3AR	10/25/2021	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-3AR	04/06/2023		1.2000	1.7000
Cadmium, total	ug/L	MW-3AR	04/04/2024	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-3AR	10/16/2024		1.0000	1.7000
Cadmium, total	ug/L	MW-3AR	04/07/2025		2.2000 *	1.7000
Nickel, total	ug/L	MW-7A	04/22/2008		28.0000 *	17.1000
Nickel, total	ug/L	MW-7A	06/24/2008		43.0000 *	17.1000
Nickel, total	ug/L	MW-7A	08/01/2008		42.0000 *	17.1000
Nickel, total	ug/L	MW-7A	10/31/2008		49.8000 *	17.1000
Nickel, total	ug/L	MW-7A	01/06/2009		46.4000 *	17.1000
Nickel, total	ug/L	MW-7A	04/13/2009		51.4000 *	17.1000
Nickel, total	ug/L	MW-7A	06/09/2009		53.5000 *	17.1000
Nickel, total	ug/L	MW-7A	10/28/2009		231.0000 *	17.1000
Nickel, total	ug/L	MW-7A	04/19/2010		168.0000 *	17.1000
Nickel, total	ug/L	MW-7A	10/20/2010		207.0000 *	17.1000
Nickel, total	ug/L	MW-7A	04/20/2011		12.6000	17.1000
Nickel, total	ug/L	MW-7A	04/25/2012		14.5000	17.1000
Nickel, total	ug/L	MW-7A	04/15/2013		12.2000	17.1000
Nickel, total	ug/L	MW-7A	04/07/2014		35.5000 *	17.1000
Nickel, total	ug/L	MW-7A	04/02/2015		44.8000 *	17.1000
Nickel, total	ug/L	MW-7A	04/01/2016		43.4000 *	17.1000
Nickel, total	ug/L	MW-7A	10/19/2016		42.5000 *	17.1000
Nickel, total	ug/L	MW-7A	04/17/2017		62.4000 *	17.1000
Nickel, total	ug/L	MW-7A	10/11/2017		37.9000 *	17.1000
Nickel, total	ug/L	MW-7A	06/01/2018		32.3000 *	17.1000
Nickel, total	ug/L	MW-7A	10/03/2018		40.2000 *	17.1000
Nickel, total	ug/L	MW-7A	04/08/2019		34.9000 *	17.1000
Nickel, total	ug/L	MW-7A	10/11/2019		40.9000 *	17.1000
Nickel, total	ug/L	MW-7A	04/27/2020		26.3000 *	17.1000
Nickel, total	ug/L	MW-7A	04/09/2021		46.3000 *	17.1000
Nickel, total	ug/L	MW-7A	10/25/2021		25.8000 *	17.1000
Nickel, total	ug/L	MW-7A	04/11/2022		54.8000 *	17.1000
Nickel, total	ug/L	MW-7A	04/06/2023		27.8000 *	17.1000
Nickel, total	ug/L	MW-7A	04/04/2024		12.6000	17.1000
Nickel, total	ug/L	MW-7A	04/07/2025		26.5000 *	17.1000
Barium, total	ug/L	MW-7B	04/22/2008		932.0000 *	664.8910
Barium, total	ug/L	MW-7B	06/24/2008		878.0000 *	664.8910
Barium, total	ug/L	MW-7B	08/01/2008		568.0000	664.8910
Barium, total	ug/L	MW-7B	10/31/2008		699.0000 *	664.8910
Barium, total	ug/L	MW-7B	01/06/2009		803.0000 *	664.8910
Barium, total	ug/L	MW-7B	04/13/2009		989.0000 *	664.8910
Barium, total	ug/L	MW-7B	06/09/2009		928.0000 *	664.8910
Barium, total	ug/L	MW-7B	10/28/2009		968.0000 *	664.8910
Barium, total	ug/L	MW-7B	04/19/2010		998.0000 *	664.8910
Barium, total	ug/L	MW-7B	10/20/2010		1040.0000 *	664.8910
Barium, total	ug/L	MW-7B	04/20/2011		742.0000 *	664.8910
Barium, total	ug/L	MW-7B	10/13/2011		905.0000 *	664.8910
Barium, total	ug/L	MW-7B	04/25/2012		943.0000 *	664.8910
Barium, total	ug/L	MW-7B	10/22/2012		675.0000 *	664.8910
Barium, total	ug/L	MW-7B	04/15/2013		920.0000 *	664.8910
Barium, total	ug/L	MW-7B	08/06/2013		838.0000 *	664.8910
Barium, total	ug/L	MW-7B	04/07/2014		941.0000 *	664.8910
Barium, total	ug/L	MW-7B	10/23/2014		736.0000 *	664.8910
Barium, total	ug/L	MW-7B	04/02/2015		689.0000 *	664.8910
Barium, total	ug/L	MW-7B	10/26/2015		760.0000 *	664.8910
Barium, total	ug/L	MW-7B	04/01/2016		573.0000	664.8910
Barium, total	ug/L	MW-7B	10/19/2016		652.0000	664.8910
Barium, total	ug/L	MW-7B	04/17/2017		616.0000	664.8910
Barium, total	ug/L	MW-7B	10/11/2017		614.0000	664.8910
Barium, total	ug/L	MW-7B	06/01/2018		668.0000 *	664.8910
Barium, total	ug/L	MW-7B	10/03/2018		665.0000 *	664.8910
Barium, total	ug/L	MW-7B	04/08/2019		501.0000	664.8910
Barium, total	ug/L	MW-7B	10/11/2019		596.0000	664.8910
Barium, total	ug/L	MW-7B	04/27/2020		542.0000	664.8910
Barium, total	ug/L	MW-7B	10/09/2020		776.0000 *	664.8910
Barium, total	ug/L	MW-7B	04/09/2021		636.0000	664.8910
Barium, total	ug/L	MW-7B	10/25/2021		647.0000	664.8910
Barium, total	ug/L	MW-7B	04/11/2022		602.0000	664.8910

* - Significantly increased over background.

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Table 8

**Historical Downgradient Data for Constituent-Well Combinations
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Constituent	Units	Well	Date		Result	Pred. Limit
Barium, total	ug/L	MW-7B	10/12/2022		744.0000 *	664.8910
Barium, total	ug/L	MW-7B	10/09/2023		684.0000 *	664.8910
Barium, total	ug/L	MW-7B	04/04/2024		643.0000	664.8910
Barium, total	ug/L	MW-7B	10/16/2024		678.0000 *	664.8910
Barium, total	ug/L	MW-7B	04/07/2025		749.0000 *	664.8910
Arsenic, total	ug/L	MW-8	04/22/2008		77.0000 *	36.5093
Arsenic, total	ug/L	MW-8	06/24/2008		141.0000 *	36.5093
Arsenic, total	ug/L	MW-8	08/01/2008		143.0000 *	36.5093
Arsenic, total	ug/L	MW-8	10/31/2008		178.0000 *	36.5093
Arsenic, total	ug/L	MW-8	01/06/2009		95.9000 *	36.5093
Arsenic, total	ug/L	MW-8	04/13/2009		100.0000 *	36.5093
Arsenic, total	ug/L	MW-8	06/09/2009		149.0000 *	36.5093
Arsenic, total	ug/L	MW-8	10/28/2009		173.0000 *	36.5093
Arsenic, total	ug/L	MW-8	04/19/2010		141.0000 *	36.5093
Arsenic, total	ug/L	MW-8	10/20/2010		227.0000 *	36.5093
Arsenic, total	ug/L	MW-8	04/20/2011		124.0000 *	36.5093
Arsenic, total	ug/L	MW-8	10/13/2011		183.0000 *	36.5093
Arsenic, total	ug/L	MW-8	04/25/2012		144.0000 *	36.5093
Arsenic, total	ug/L	MW-8	10/22/2012		138.0000 *	36.5093
Arsenic, total	ug/L	MW-8	04/15/2013		68.3000 *	36.5093
Arsenic, total	ug/L	MW-8	08/06/2013		135.0000 *	36.5093
Arsenic, total	ug/L	MW-8	04/07/2014		74.0000 *	36.5093
Arsenic, total	ug/L	MW-8	10/23/2014		117.0000 *	36.5093
Arsenic, total	ug/L	MW-8	04/02/2015		48.3000 *	36.5093
Arsenic, total	ug/L	MW-8	10/26/2015		90.3000 *	36.5093
Arsenic, total	ug/L	MW-8	04/01/2016		63.5000 *	36.5093
Arsenic, total	ug/L	MW-8	10/19/2016		107.0000 *	36.5093
Arsenic, total	ug/L	MW-8	04/17/2017		55.9000 *	36.5093
Arsenic, total	ug/L	MW-8	10/11/2017		47.2000 *	36.5093
Arsenic, total	ug/L	MW-8	06/01/2018		32.5000	36.5093
Arsenic, total	ug/L	MW-8	10/03/2018		9.7000	36.5093
Arsenic, total	ug/L	MW-8	04/08/2019		33.1000	36.5093
Arsenic, total	ug/L	MW-8	10/11/2019		75.7000 *	36.5093
Arsenic, total	ug/L	MW-8	04/27/2020		56.2000 *	36.5093
Arsenic, total	ug/L	MW-8	10/09/2020		72.9000 *	36.5093
Arsenic, total	ug/L	MW-8	04/09/2021		95.1000 *	36.5093
Arsenic, total	ug/L	MW-8	06/23/2021		57.7000 *	36.5093
Arsenic, total	ug/L	MW-8	10/25/2021		125.0000 *	36.5093
Arsenic, total	ug/L	MW-8	04/11/2022		220.0000 *	36.5093
Arsenic, total	ug/L	MW-8	10/12/2022		360.0000 *	36.5093
Arsenic, total	ug/L	MW-8	04/06/2023		31.7000	36.5093
Arsenic, total	ug/L	MW-8	10/09/2023		165.0000 *	36.5093
Arsenic, total	ug/L	MW-8	04/04/2024		30.9000	36.5093
Arsenic, total	ug/L	MW-8	10/16/2024		33.5000	36.5093
Arsenic, total	ug/L	MW-8	04/07/2025		106.0000 *	36.5093
Barium, total	ug/L	MW-8	04/22/2008		584.0000	664.8910
Barium, total	ug/L	MW-8	06/24/2008		664.0000	664.8910
Barium, total	ug/L	MW-8	08/01/2008		508.0000	664.8910
Barium, total	ug/L	MW-8	10/31/2008		892.0000 *	664.8910
Barium, total	ug/L	MW-8	01/06/2009		556.0000	664.8910
Barium, total	ug/L	MW-8	04/13/2009		709.0000 *	664.8910
Barium, total	ug/L	MW-8	06/09/2009		740.0000 *	664.8910
Barium, total	ug/L	MW-8	10/28/2009		895.0000 *	664.8910
Barium, total	ug/L	MW-8	04/19/2010		1130.0000 *	664.8910
Barium, total	ug/L	MW-8	10/20/2010		1970.0000 *	664.8910
Barium, total	ug/L	MW-8	04/20/2011		807.0000 *	664.8910
Barium, total	ug/L	MW-8	10/13/2011		1390.0000 *	664.8910
Barium, total	ug/L	MW-8	04/25/2012		998.0000 *	664.8910
Barium, total	ug/L	MW-8	10/22/2012		864.0000 *	664.8910
Barium, total	ug/L	MW-8	04/15/2013		762.0000 *	664.8910
Barium, total	ug/L	MW-8	08/06/2013		959.0000 *	664.8910
Barium, total	ug/L	MW-8	04/07/2014		1060.0000 *	664.8910
Barium, total	ug/L	MW-8	10/23/2014		772.0000 *	664.8910
Barium, total	ug/L	MW-8	04/02/2015		536.0000	664.8910
Barium, total	ug/L	MW-8	10/26/2015		717.0000 *	664.8910
Barium, total	ug/L	MW-8	04/01/2016		547.0000	664.8910
Barium, total	ug/L	MW-8	10/19/2016		871.0000 *	664.8910
Barium, total	ug/L	MW-8	04/17/2017		623.0000	664.8910
Barium, total	ug/L	MW-8	10/11/2017		649.0000	664.8910
Barium, total	ug/L	MW-8	06/01/2018		738.0000 *	664.8910
Barium, total	ug/L	MW-8	10/03/2018		220.0000	664.8910

* - Significantly increased over background.

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Table 8

**Historical Downgradient Data for Constituent-Well Combinations
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Constituent	Units	Well	Date		Result		Pred. Limit
Barium, total	ug/L	MW-8	04/08/2019		716.0000	*	664.8910
Barium, total	ug/L	MW-8	10/11/2019		1060.0000	*	664.8910
Barium, total	ug/L	MW-8	04/27/2020		680.0000	*	664.8910
Barium, total	ug/L	MW-8	10/09/2020		920.0000	*	664.8910
Barium, total	ug/L	MW-8	04/09/2021		833.0000	*	664.8910
Barium, total	ug/L	MW-8	10/25/2021		1160.0000	*	664.8910
Barium, total	ug/L	MW-8	04/11/2022		2160.0000	*	664.8910
Barium, total	ug/L	MW-8	10/12/2022		2840.0000	*	664.8910
Barium, total	ug/L	MW-8	04/06/2023		399.0000		664.8910
Barium, total	ug/L	MW-8	10/09/2023		1610.0000	*	664.8910
Barium, total	ug/L	MW-8	04/04/2024		613.0000		664.8910
Barium, total	ug/L	MW-8	10/16/2024		516.0000		664.8910
Barium, total	ug/L	MW-8	04/07/2025		1360.0000	*	664.8910
Cadmium, total	ug/L	MW-8	04/22/2008	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-8	06/24/2008	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-8	08/01/2008	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-8	10/31/2008	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-8	01/06/2009	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-8	04/13/2009	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-8	06/09/2009	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-8	10/28/2009	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-8	04/19/2010	ND	5.0000		1.7000
Cadmium, total	ug/L	MW-8	10/20/2010		3.0000	*	1.7000
Cadmium, total	ug/L	MW-8	04/20/2011	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	10/13/2011		1.0000		1.7000
Cadmium, total	ug/L	MW-8	04/25/2012		0.9000		1.7000
Cadmium, total	ug/L	MW-8	10/22/2012	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	04/15/2013	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	08/06/2013	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	04/07/2014	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	10/23/2014	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	04/02/2015	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	10/26/2015	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	04/01/2016	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	10/19/2016	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	04/17/2017	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	10/11/2017	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	06/01/2018	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	10/03/2018		1.9000	*	1.7000
Cadmium, total	ug/L	MW-8	04/08/2019	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	10/11/2019	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	04/27/2020	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	10/09/2020	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	04/09/2021	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	10/25/2021	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	04/11/2022		0.8000		1.7000
Cadmium, total	ug/L	MW-8	10/12/2022	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	04/06/2023	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	10/09/2023	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	04/04/2024	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	10/16/2024	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	04/07/2025		2.6000	*	1.7000
Zinc, total	ug/L	MW-8	04/22/2008		11.0000		45.3000
Zinc, total	ug/L	MW-8	06/24/2008		11.0000		45.3000
Zinc, total	ug/L	MW-8	08/01/2008		13.0000		45.3000
Zinc, total	ug/L	MW-8	10/31/2008		28.4000		45.3000
Zinc, total	ug/L	MW-8	01/06/2009		34.6000		45.3000
Zinc, total	ug/L	MW-8	04/13/2009		32.3000		45.3000
Zinc, total	ug/L	MW-8	06/09/2009		32.7000		45.3000
Zinc, total	ug/L	MW-8	10/28/2009		39.8000		45.3000
Zinc, total	ug/L	MW-8	04/19/2010		213.0000	*	45.3000
Zinc, total	ug/L	MW-8	10/20/2010		448.0000	*	45.3000
Zinc, total	ug/L	MW-8	04/20/2011		9.2000		45.3000
Zinc, total	ug/L	MW-8	10/13/2011		51.3000	*	45.3000
Zinc, total	ug/L	MW-8	04/25/2012		56.2000	*	45.3000
Zinc, total	ug/L	MW-8	10/22/2012		25.7000		45.3000
Zinc, total	ug/L	MW-8	04/15/2013		38.9000		45.3000
Zinc, total	ug/L	MW-8	08/06/2013		31.2000		45.3000
Zinc, total	ug/L	MW-8	04/07/2014		61.8000	*	45.3000
Zinc, total	ug/L	MW-8	10/23/2014	ND	8.0000		45.3000
Zinc, total	ug/L	MW-8	04/02/2015	ND	8.0000		45.3000

* - 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
Zinc, total	ug/L	MW-8	10/26/2015	ND	20.0000	45.3000
Zinc, total	ug/L	MW-8	04/01/2016	ND	8.0000	45.3000
Zinc, total	ug/L	MW-8	10/19/2016	ND	8.0000	45.3000
Zinc, total	ug/L	MW-8	04/17/2017	ND	8.0000	45.3000
Zinc, total	ug/L	MW-8	10/11/2017	ND	8.0000	45.3000
Zinc, total	ug/L	MW-8	06/01/2018	ND	8.0000	45.3000
Zinc, total	ug/L	MW-8	10/03/2018	ND	20.0000	45.3000
Zinc, total	ug/L	MW-8	04/08/2019	ND	8.0000	45.3000
Zinc, total	ug/L	MW-8	10/11/2019		31.3000	45.3000
Zinc, total	ug/L	MW-8	04/27/2020	ND	20.0000	45.3000
Zinc, total	ug/L	MW-8	10/09/2020	ND	20.0000	45.3000
Zinc, total	ug/L	MW-8	04/09/2021	ND	20.0000	45.3000
Zinc, total	ug/L	MW-8	10/25/2021	ND	20.0000	45.3000
Zinc, total	ug/L	MW-8	04/11/2022		31.7000	45.3000
Zinc, total	ug/L	MW-8	10/12/2022	ND	20.0000	45.3000
Zinc, total	ug/L	MW-8	04/06/2023	ND	20.0000	45.3000
Zinc, total	ug/L	MW-8	10/09/2023	ND	20.0000	45.3000
Zinc, total	ug/L	MW-8	04/04/2024	ND	20.0000	45.3000
Zinc, total	ug/L	MW-8	10/16/2024	ND	20.0000	45.3000
Zinc, total	ug/L	MW-8	04/07/2025		145.0000 *	45.3000

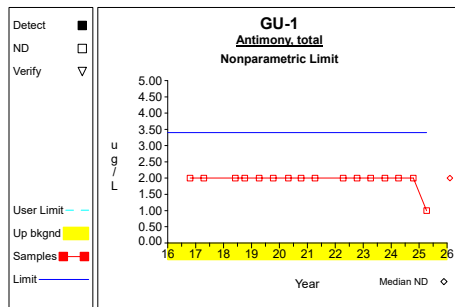
* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

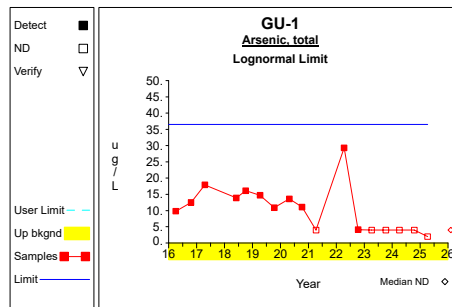
*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

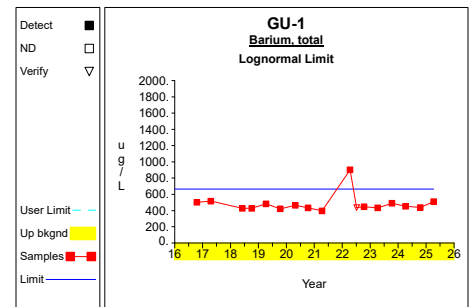
Up vs. Down Prediction Limits



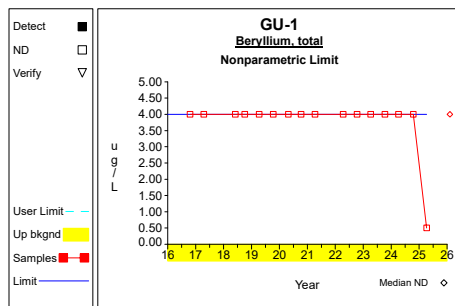
Graph 1



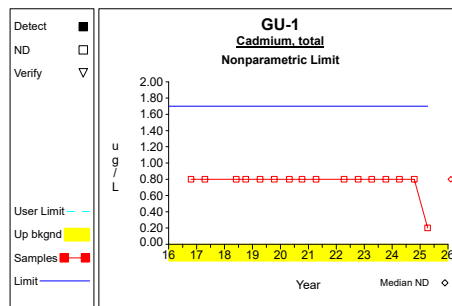
Graph 2



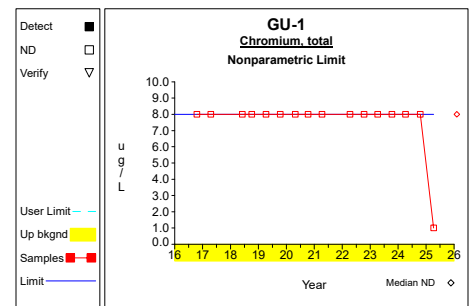
Graph 3



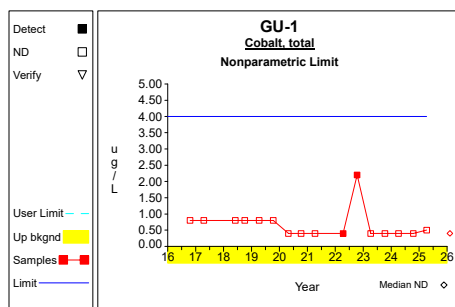
Graph 4



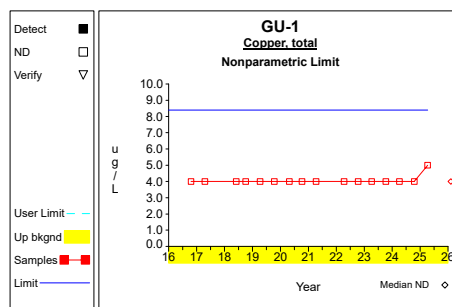
Graph 5



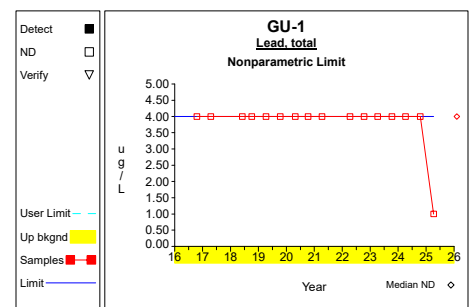
Graph 6



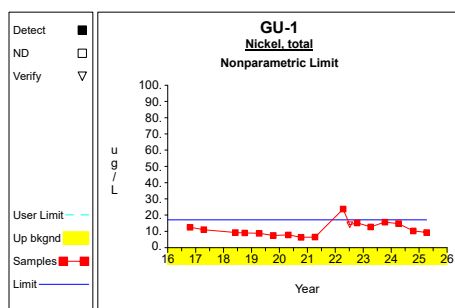
Graph 7



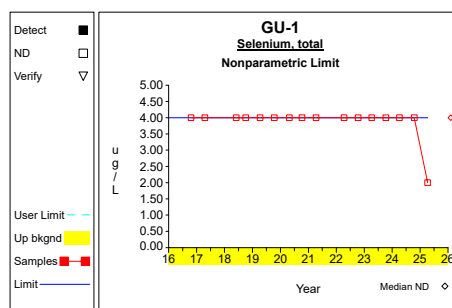
Graph 8



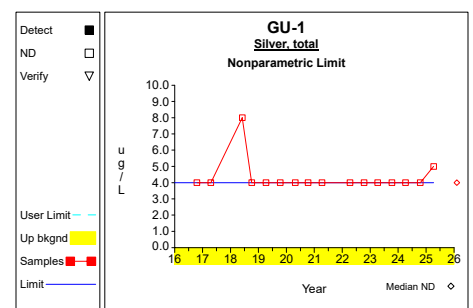
Graph 9



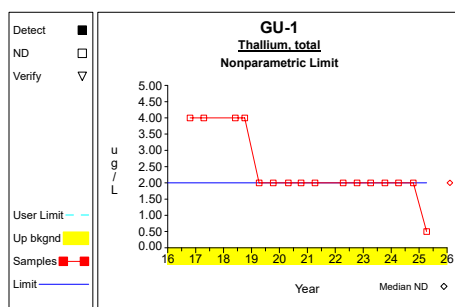
Graph 10



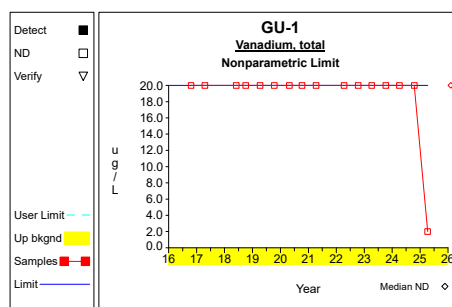
Graph 11



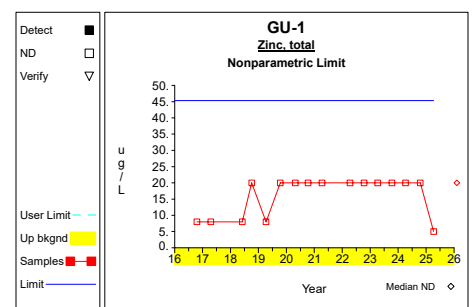
Graph 12



Graph 13

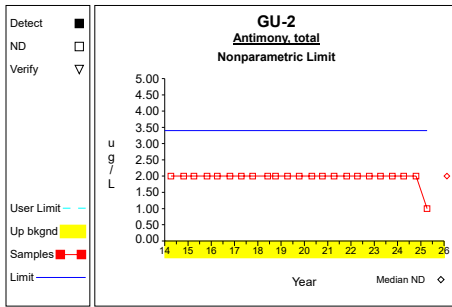


Graph 14

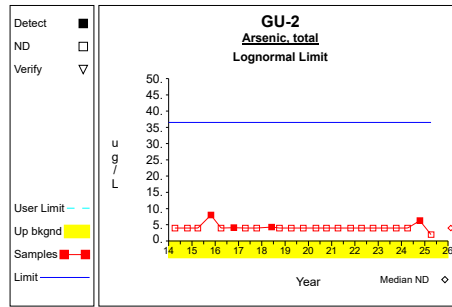


Graph 15

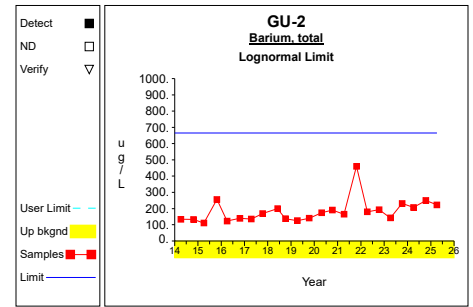
Up vs. Down Prediction Limits



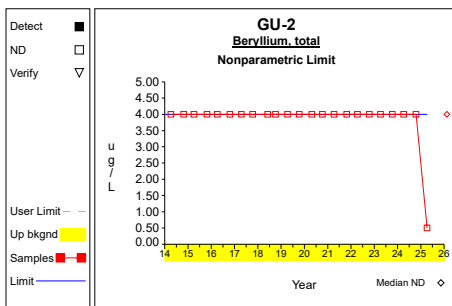
Graph 16



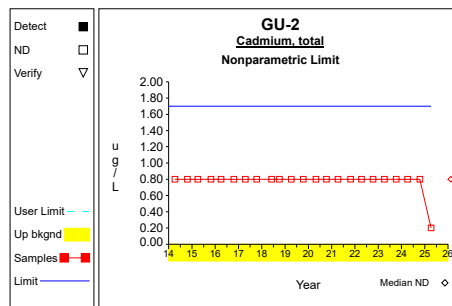
Graph 17



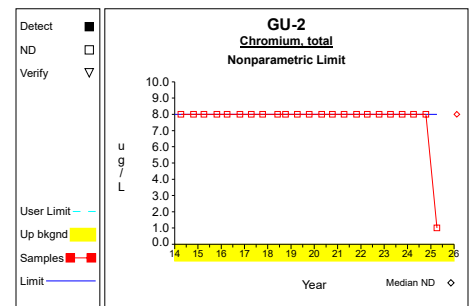
Graph 18



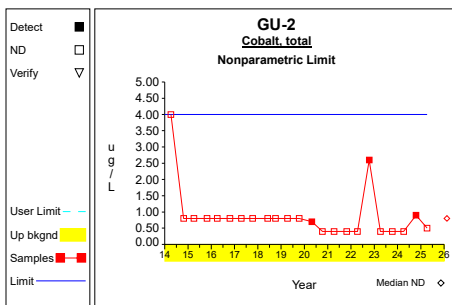
Graph 19



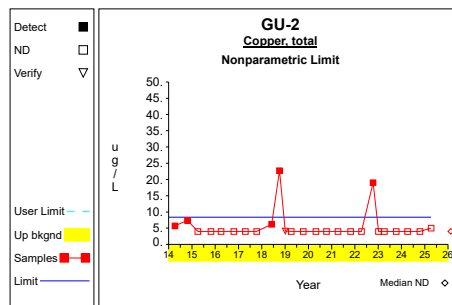
Graph 20



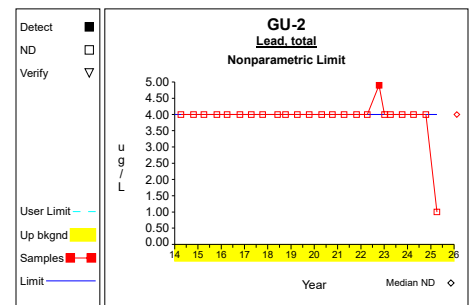
Graph 21



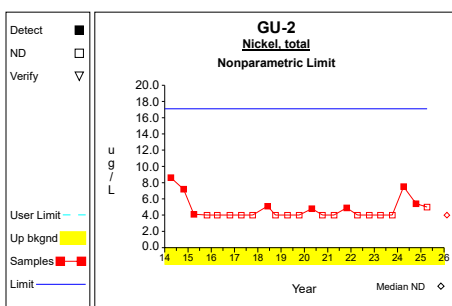
Graph 22



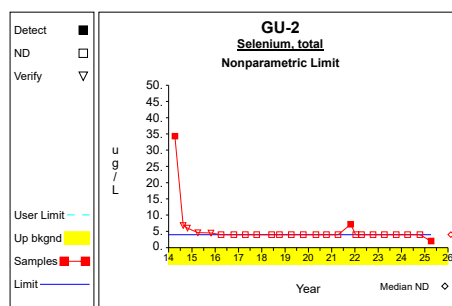
Graph 23



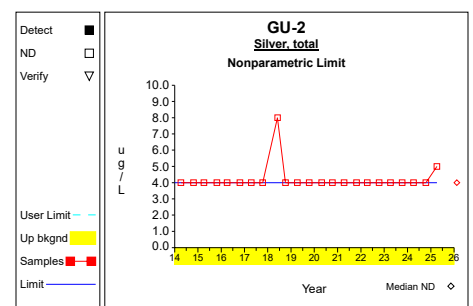
Graph 24



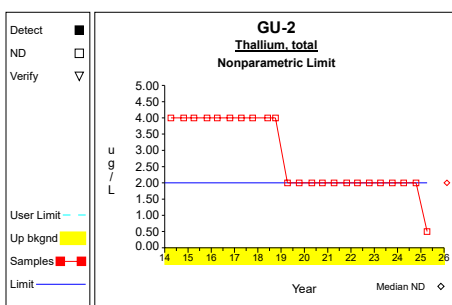
Graph 25



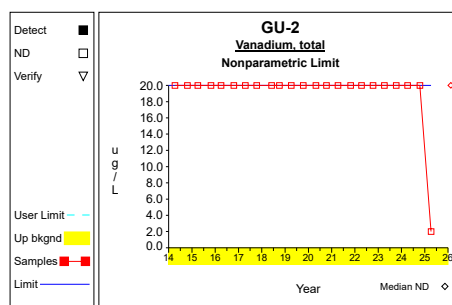
Graph 26



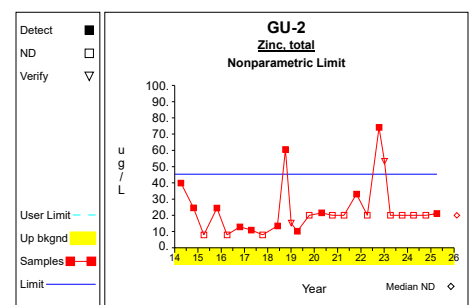
Graph 27



Graph 28

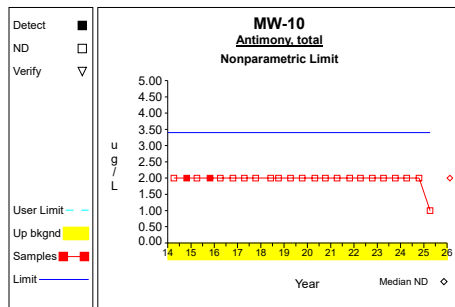


Graph 29

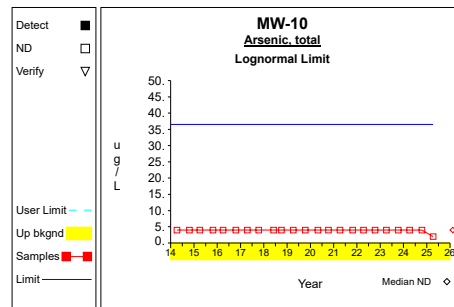


Graph 30

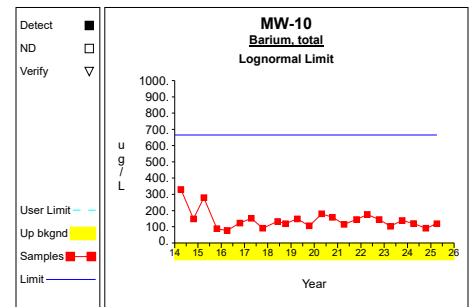
Up vs. Down Prediction Limits



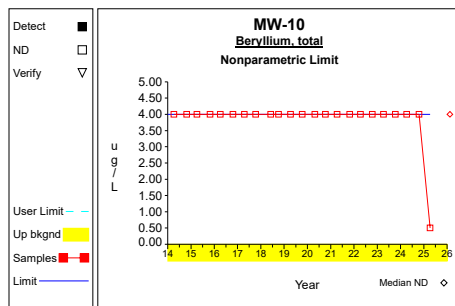
Graph 31



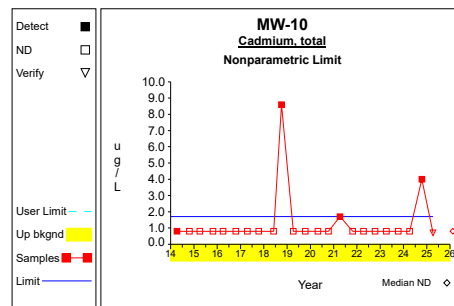
Graph 32



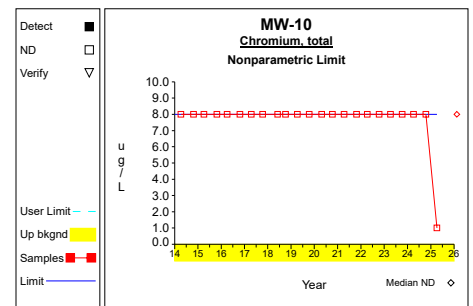
Graph 33



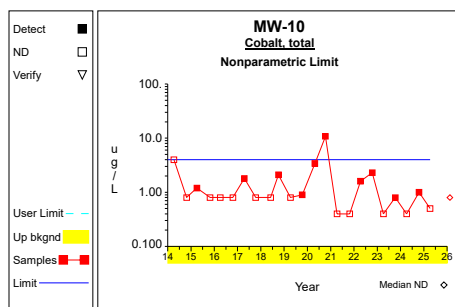
Graph 34



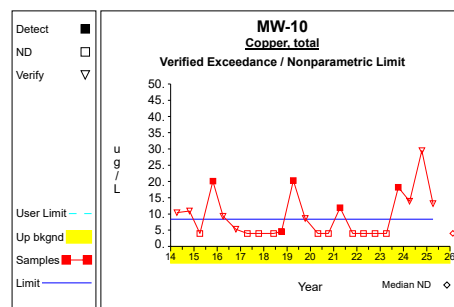
Graph 35



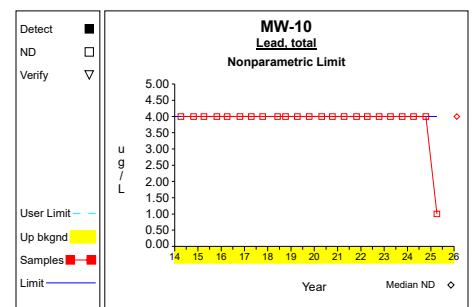
Graph 36



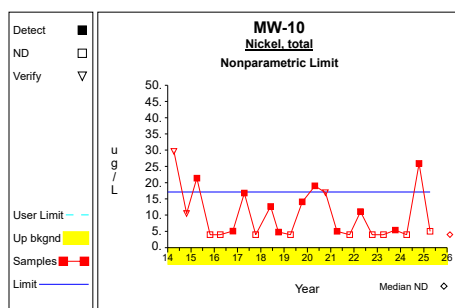
Graph 37



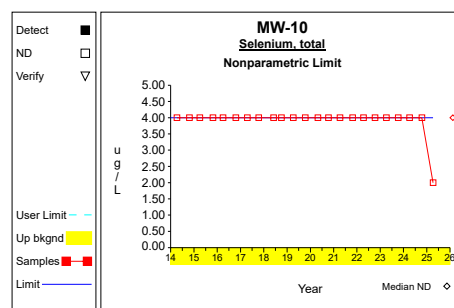
Graph 38



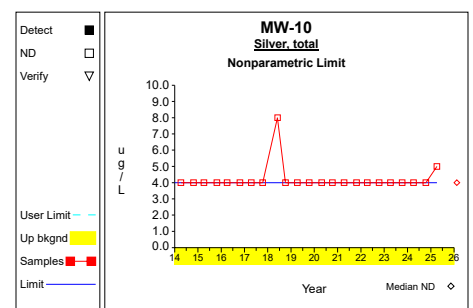
Graph 39



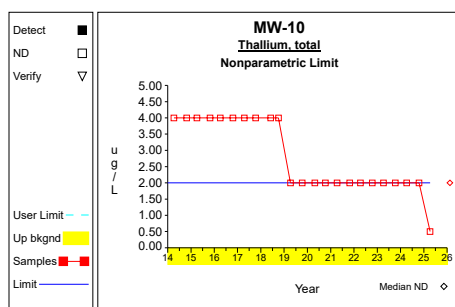
Graph 40



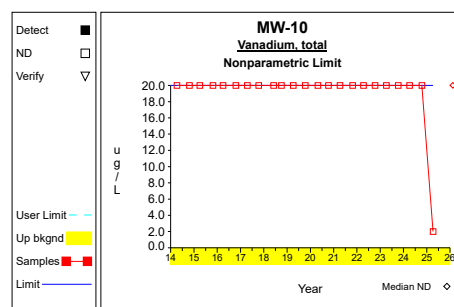
Graph 41



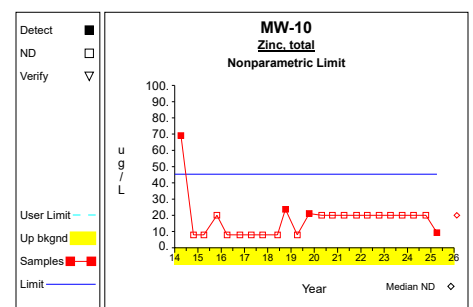
Graph 42



Graph 43

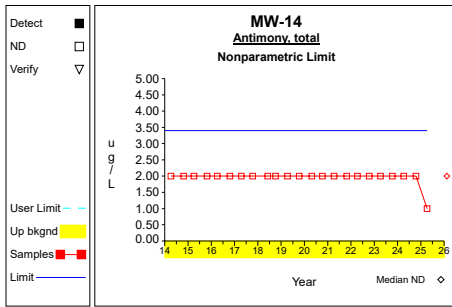


Graph 44

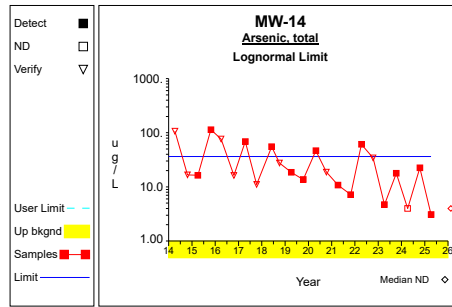


Graph 45

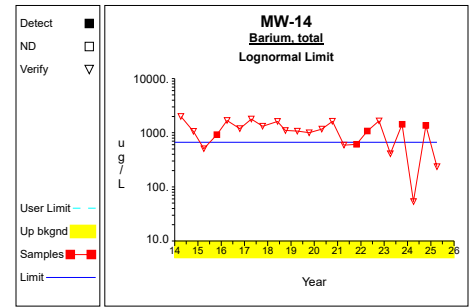
Up vs. Down Prediction Limits



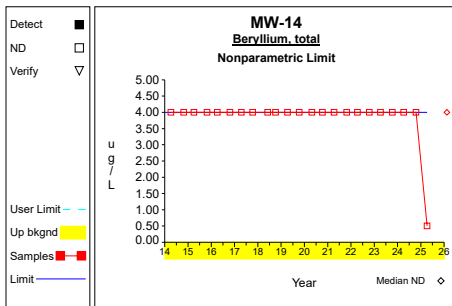
Graph 46



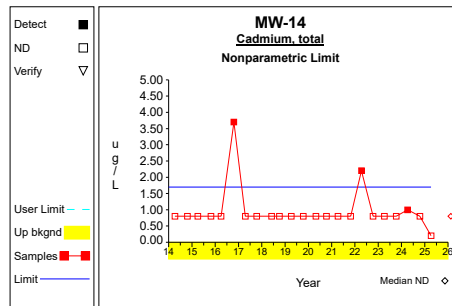
Graph 47



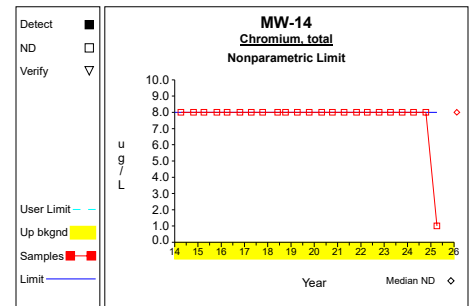
Graph 48



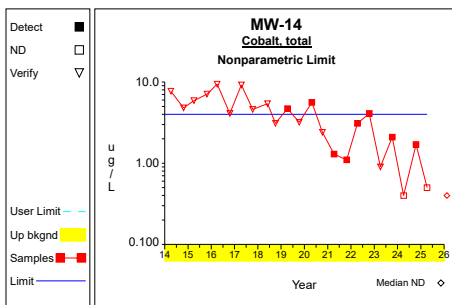
Graph 49



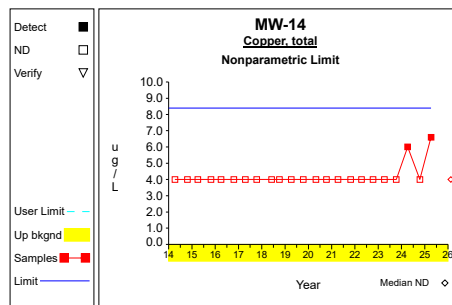
Graph 50



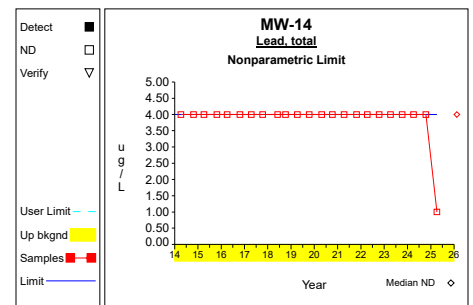
Graph 51



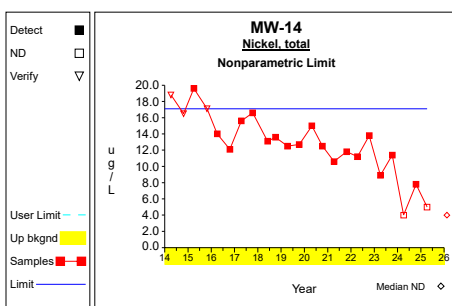
Graph 52



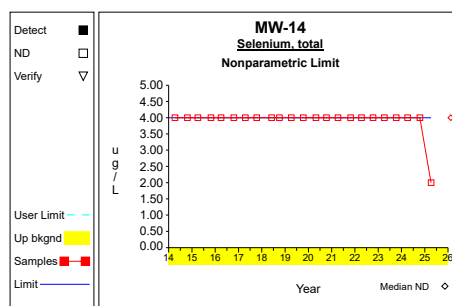
Graph 53



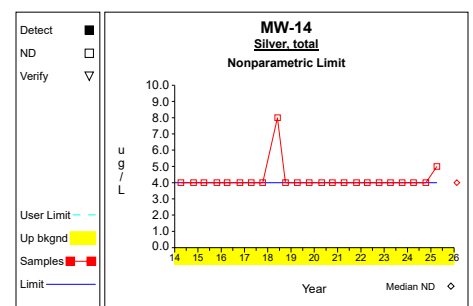
Graph 54



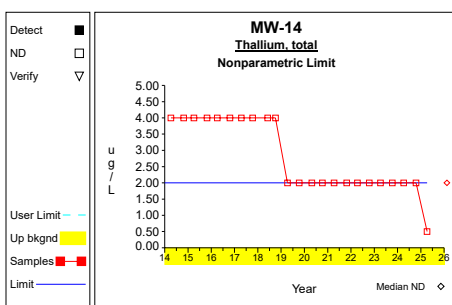
Graph 55



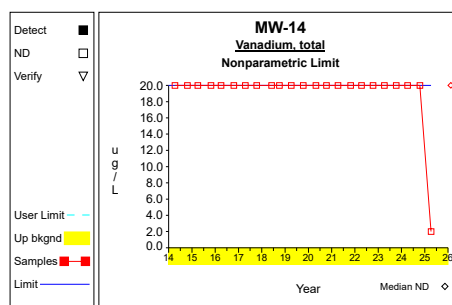
Graph 56



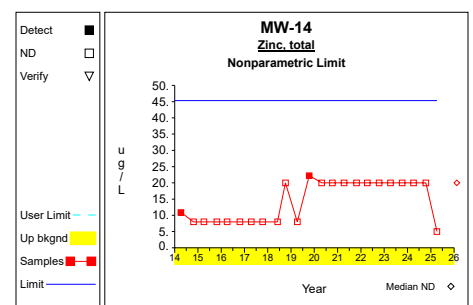
Graph 57



Graph 58

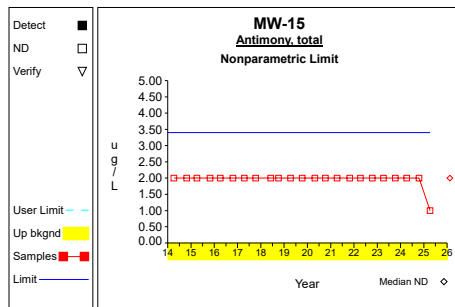


Graph 59

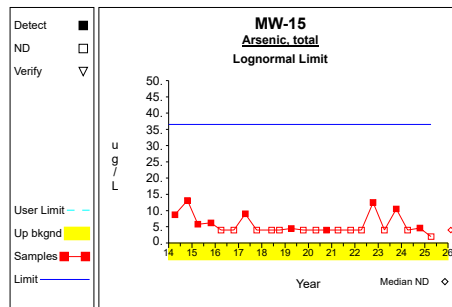


Graph 60

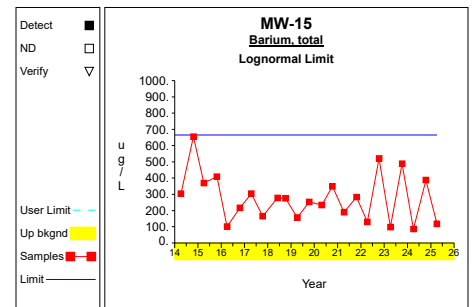
Up vs. Down Prediction Limits



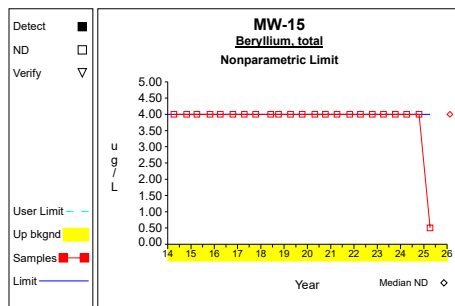
Graph 61



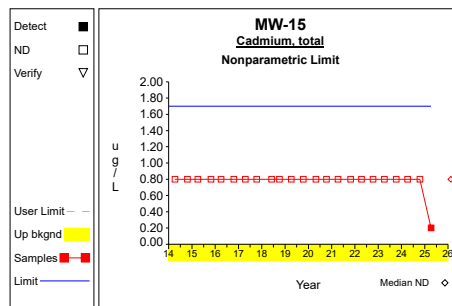
Graph 62



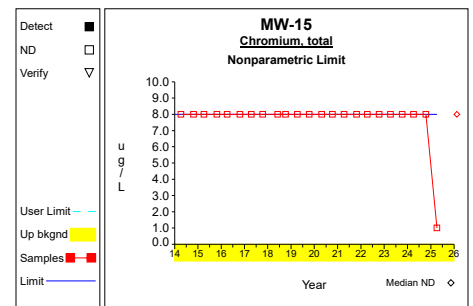
Graph 63



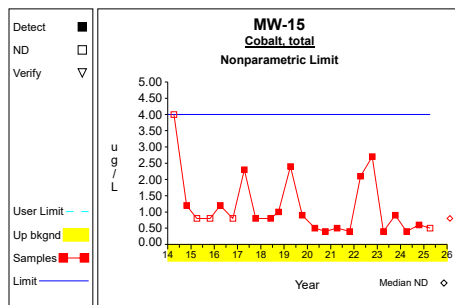
Graph 64



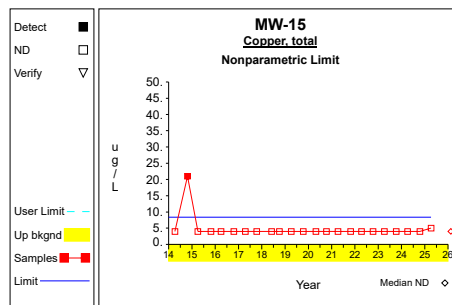
Graph 65



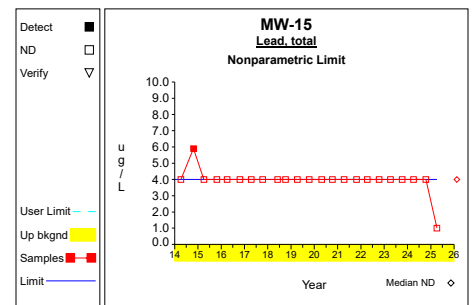
Graph 66



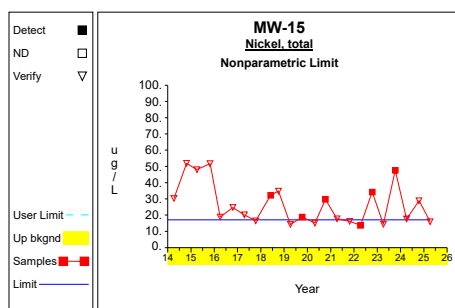
Graph 67



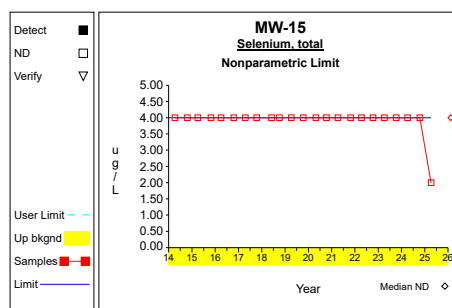
Graph 68



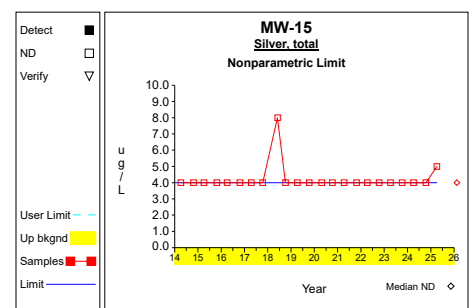
Graph 69



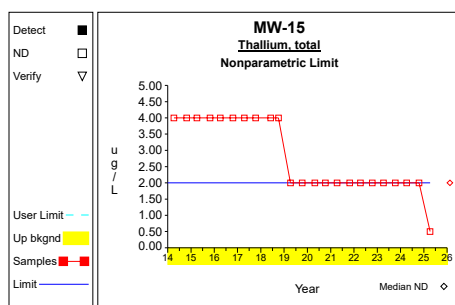
Graph 70



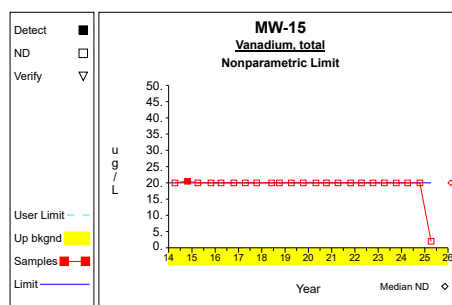
Graph 71



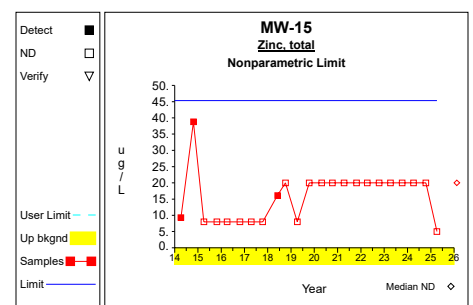
Graph 72



Graph 73

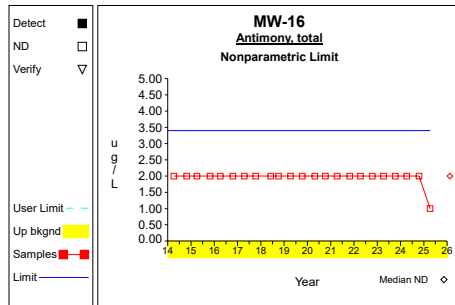


Graph 74

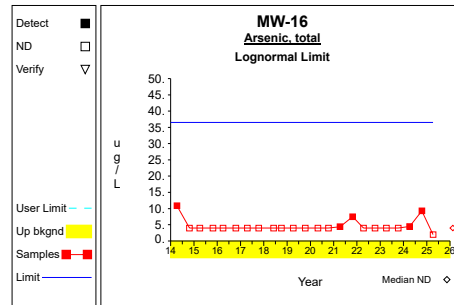


Graph 75

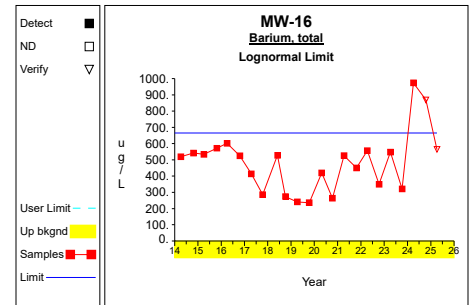
Up vs. Down Prediction Limits



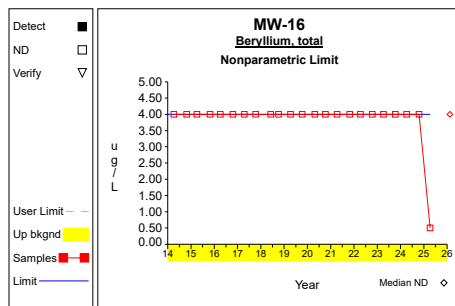
Graph 76



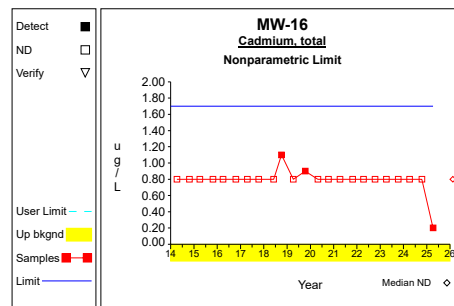
Graph 77



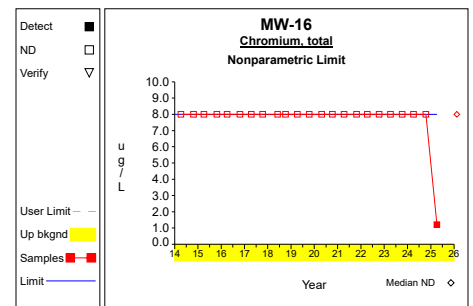
Graph 78



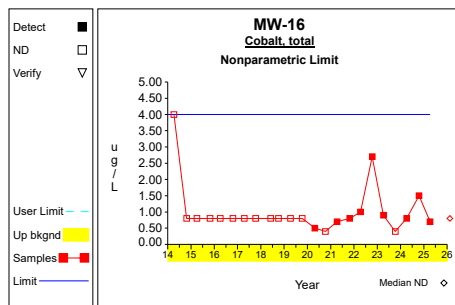
Graph 79



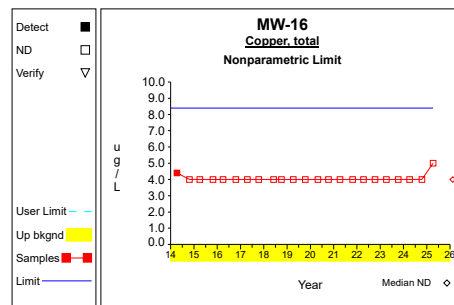
Graph 80



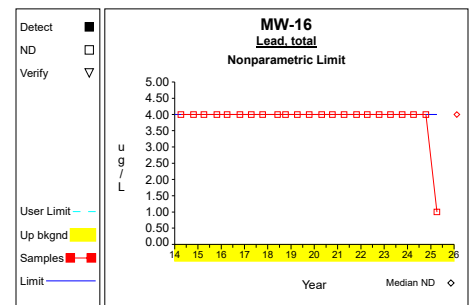
Graph 81



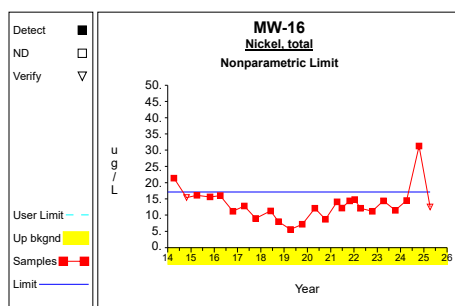
Graph 82



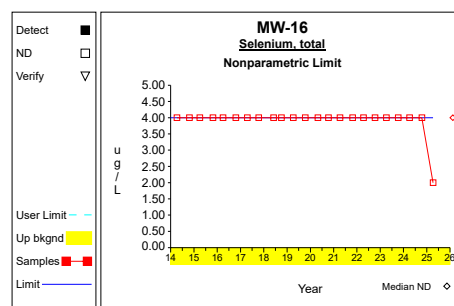
Graph 83



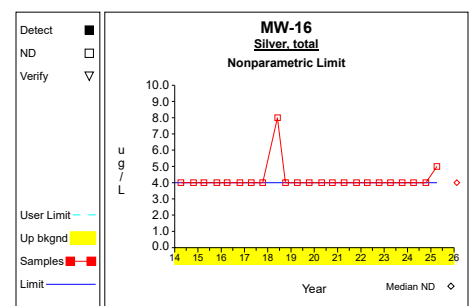
Graph 84



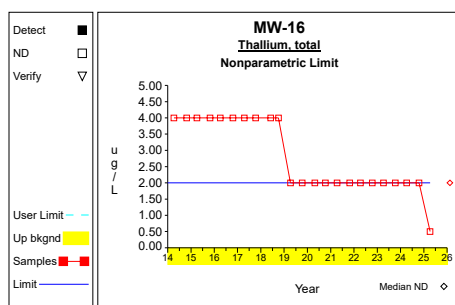
Graph 85



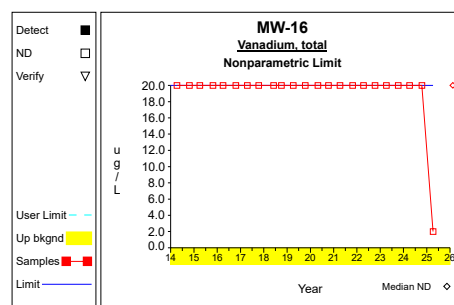
Graph 86



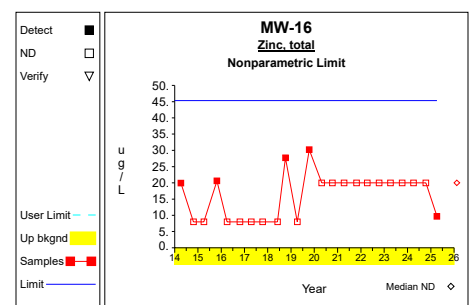
Graph 87



Graph 88

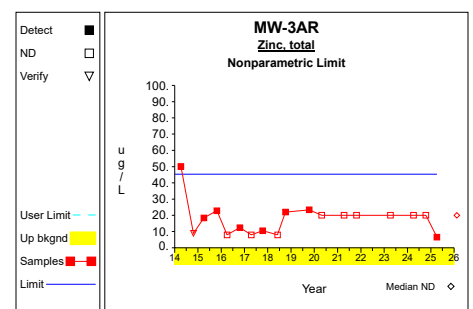
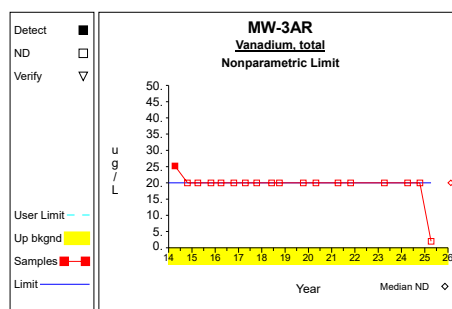
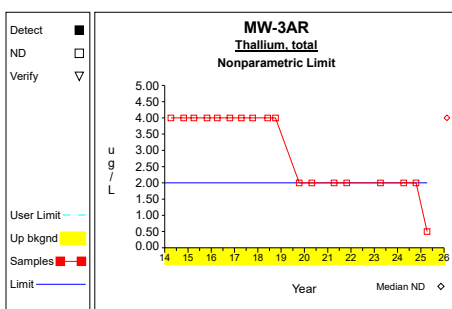
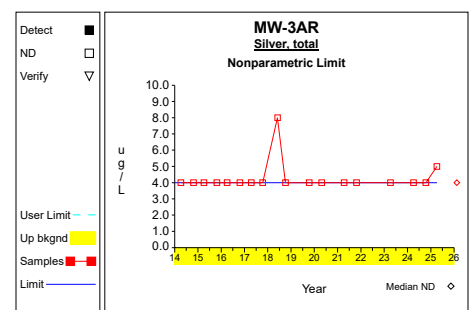
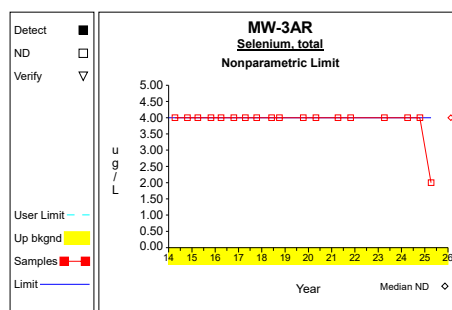
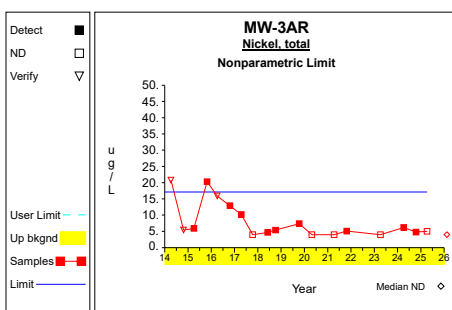
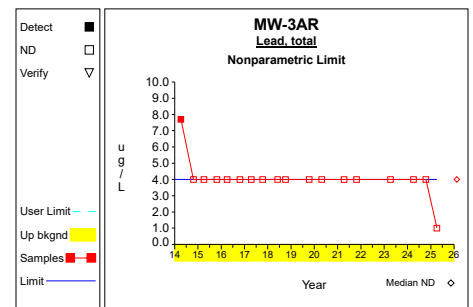
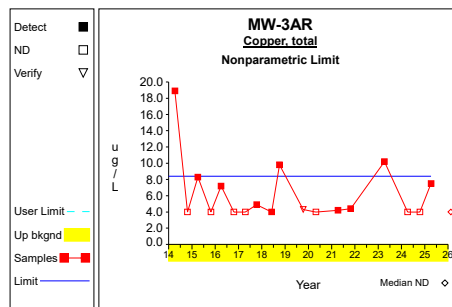
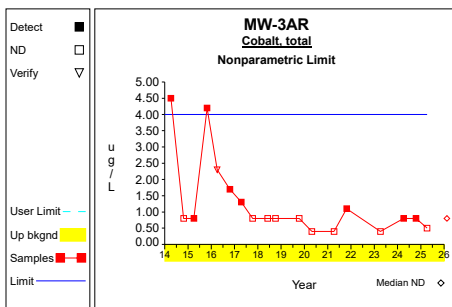
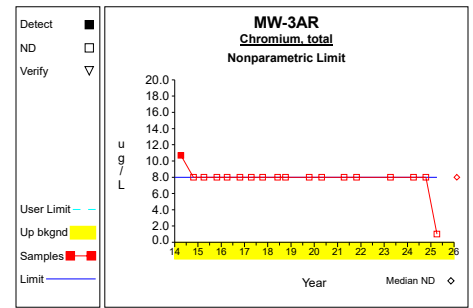
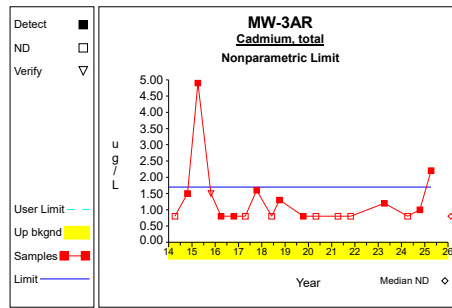
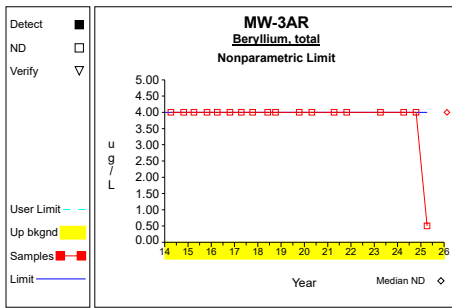
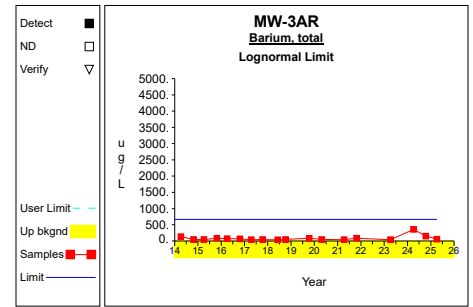
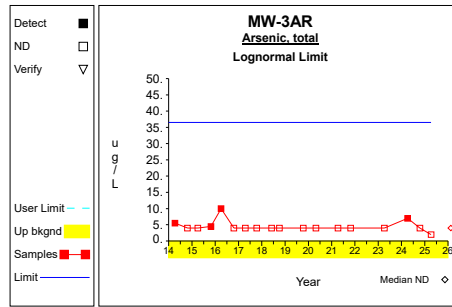
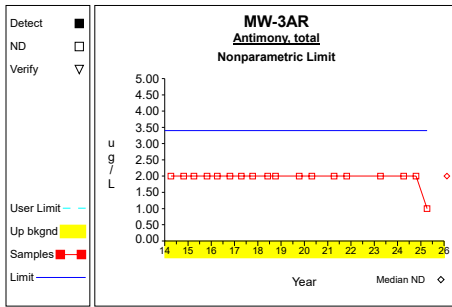


Graph 89

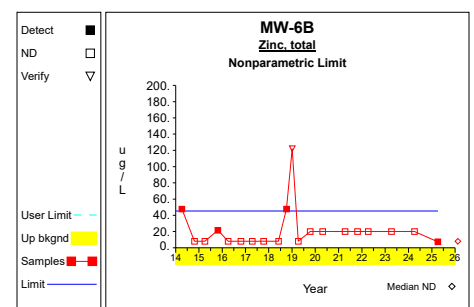
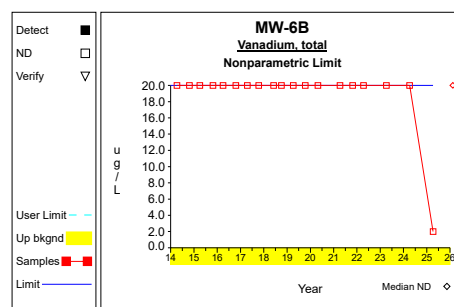
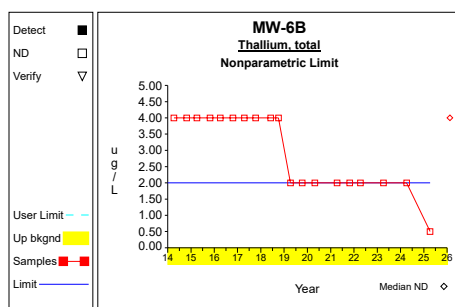
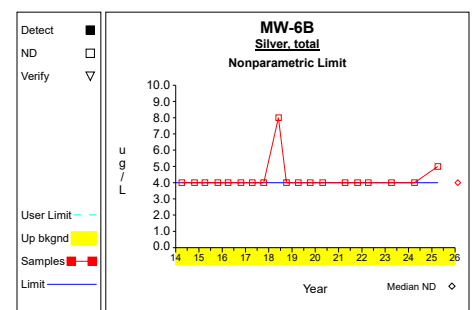
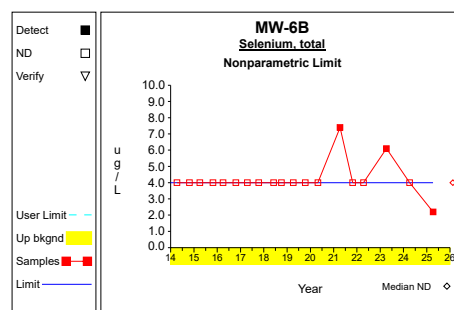
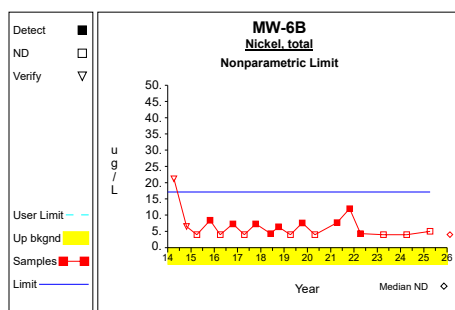
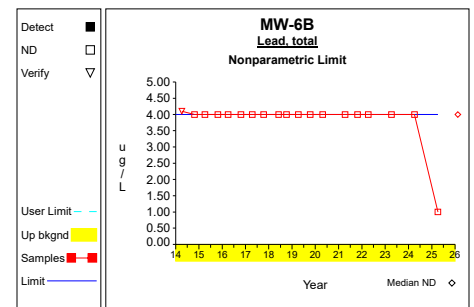
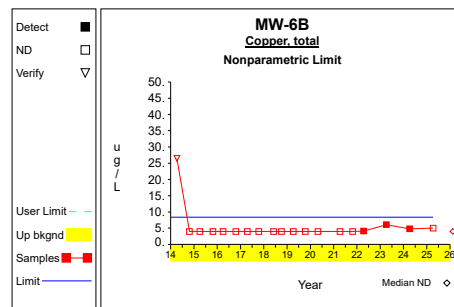
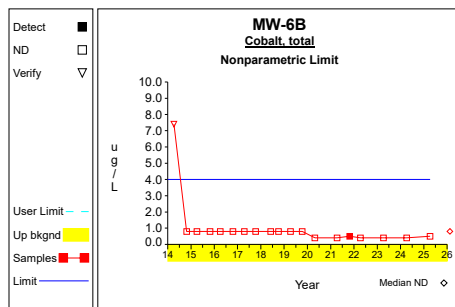
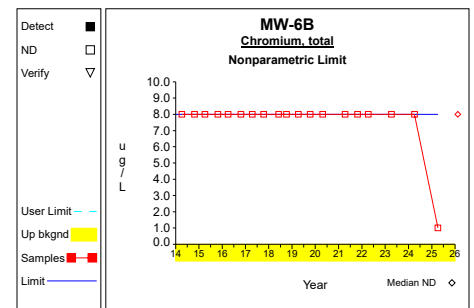
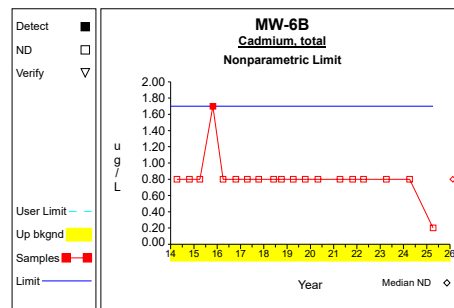
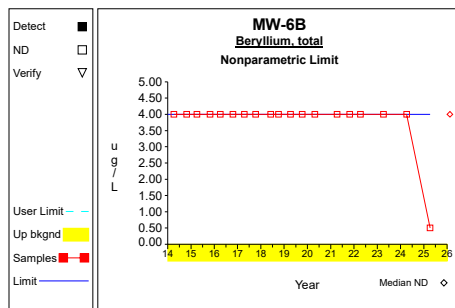
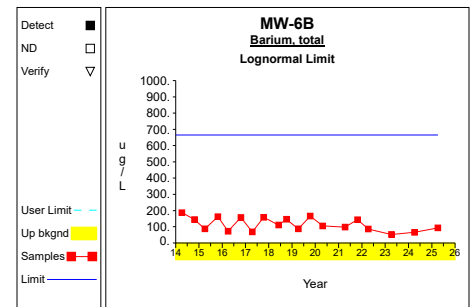
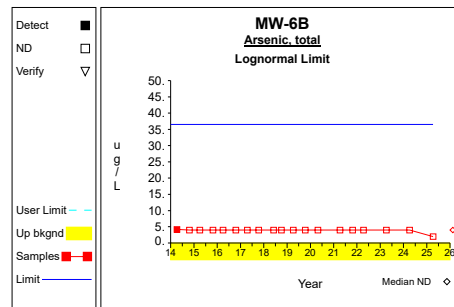
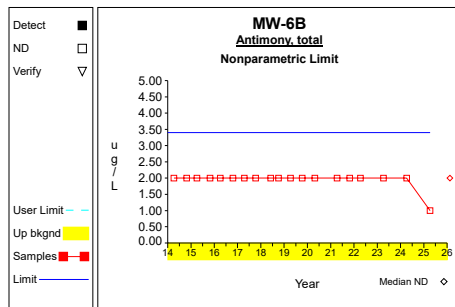


Graph 90

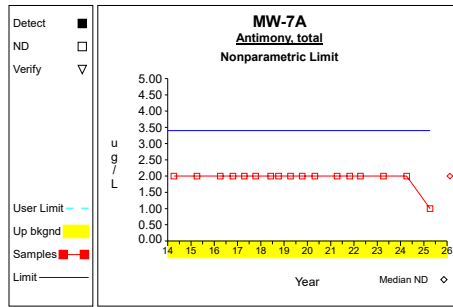
Up vs. Down Prediction Limits



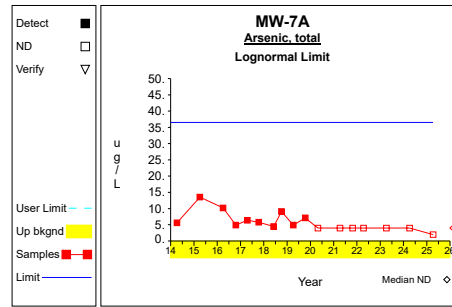
Up vs. Down Prediction Limits



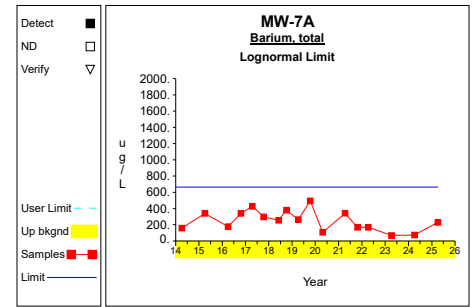
Up vs. Down Prediction Limits



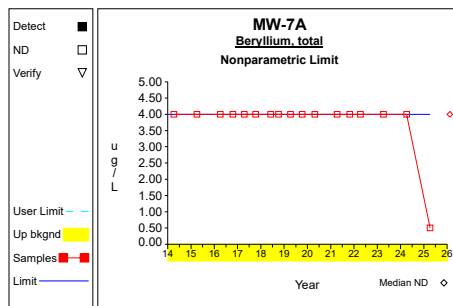
Graph 121



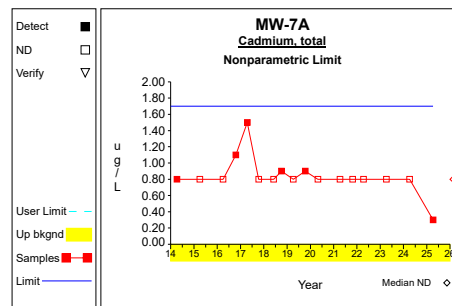
Graph 122



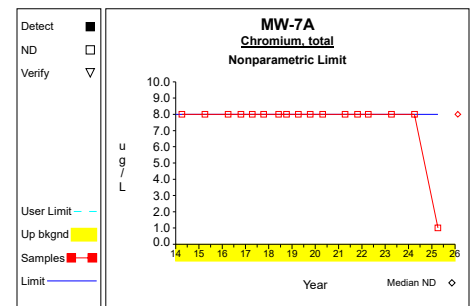
Graph 123



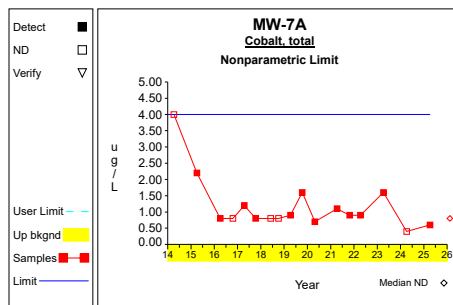
Graph 124



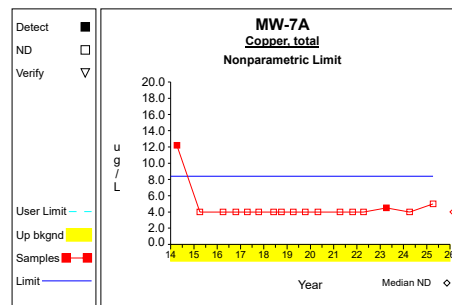
Graph 125



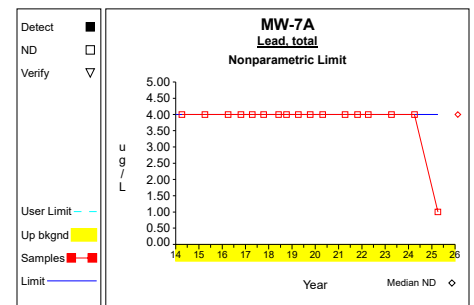
Graph 126



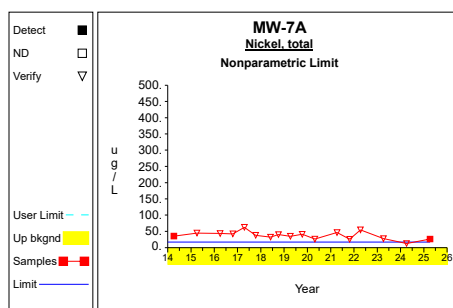
Graph 127



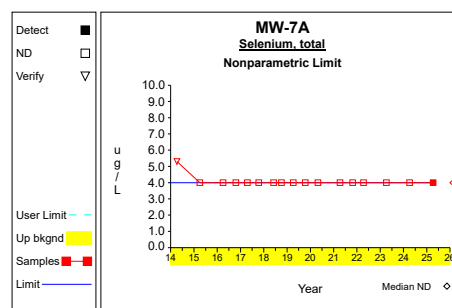
Graph 128



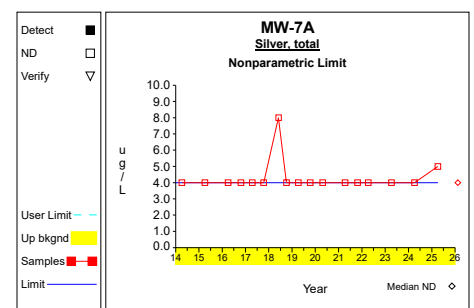
Graph 129



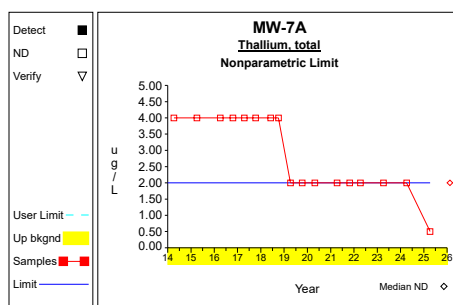
Graph 130



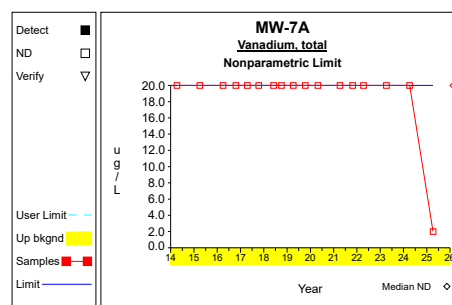
Graph 131



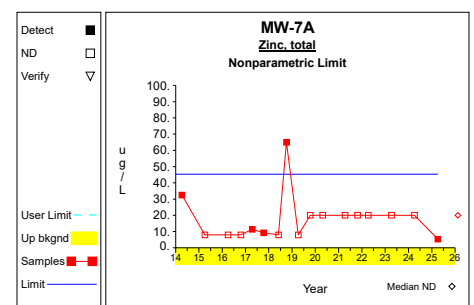
Graph 132



Graph 133

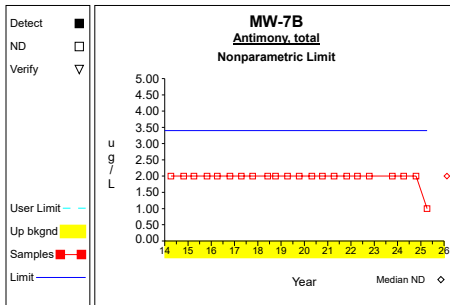


Graph 134

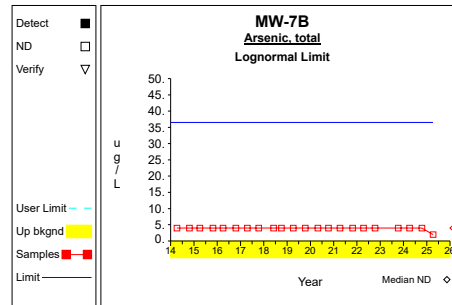


Graph 135

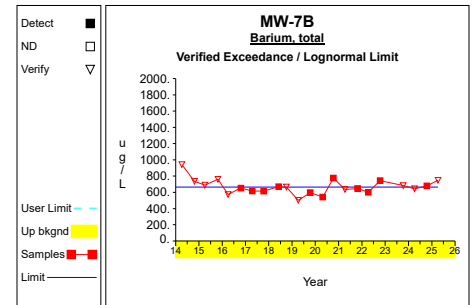
Up vs. Down Prediction Limits



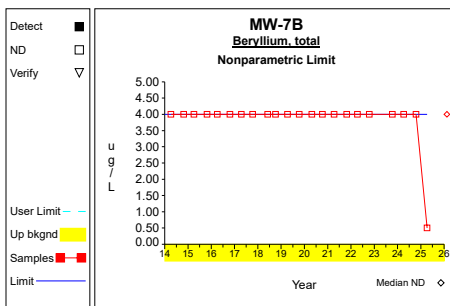
Graph 136



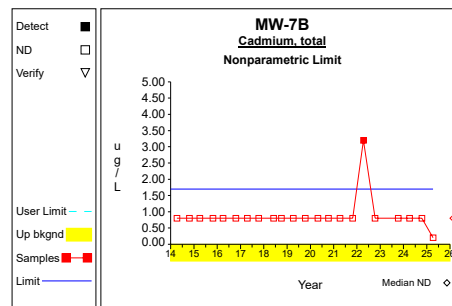
Graph 137



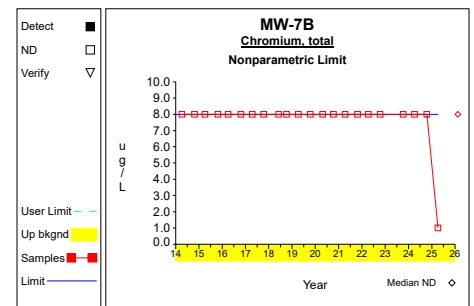
Graph 138



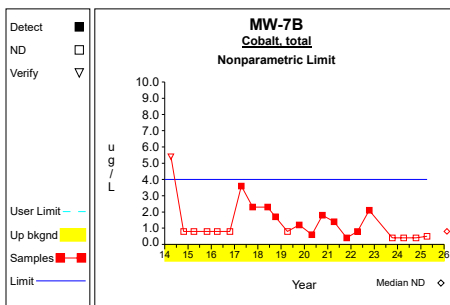
Graph 139



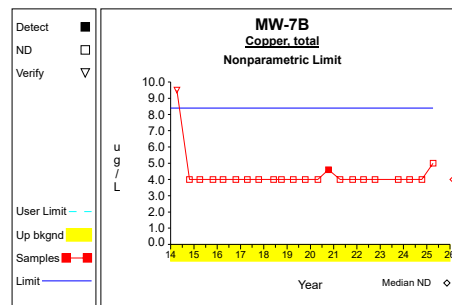
Graph 140



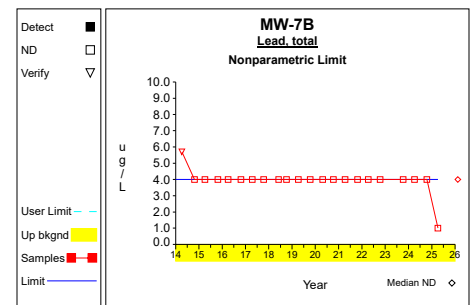
Graph 141



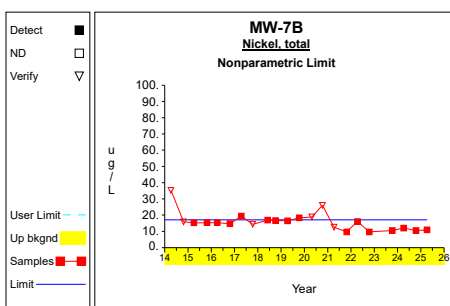
Graph 142



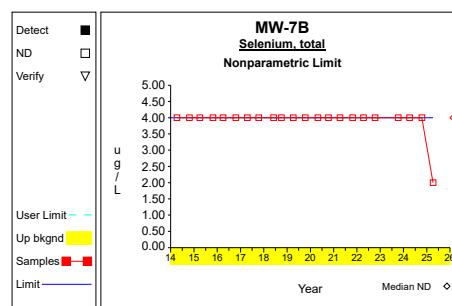
Graph 143



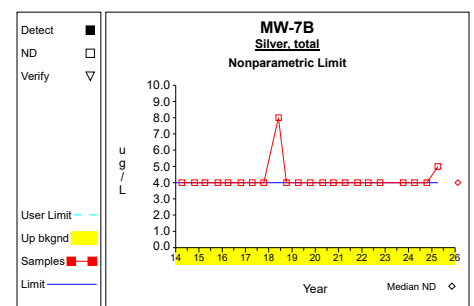
Graph 144



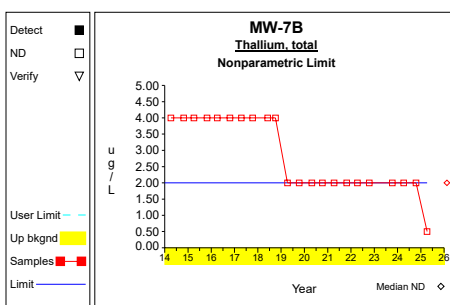
Graph 145



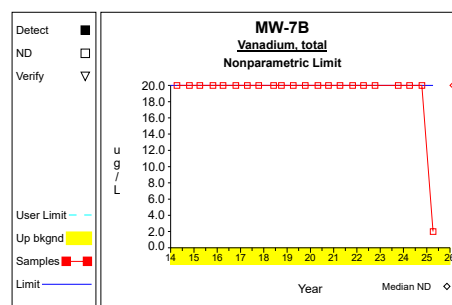
Graph 146



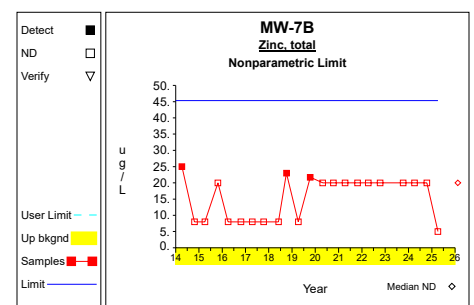
Graph 147



Graph 148

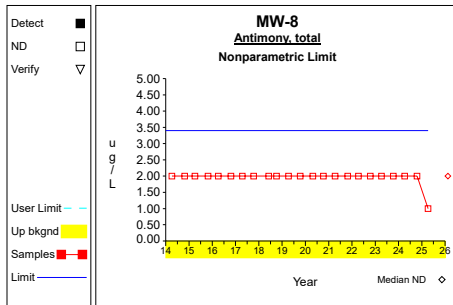


Graph 149

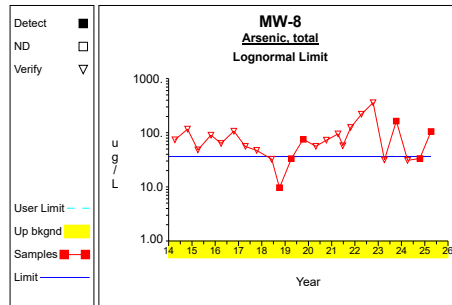


Graph 150

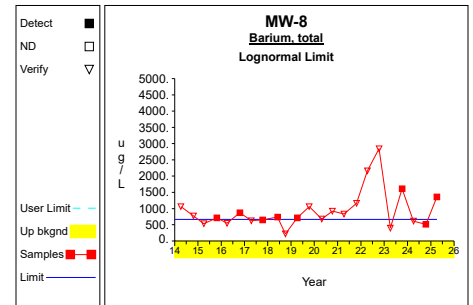
Up vs. Down Prediction Limits



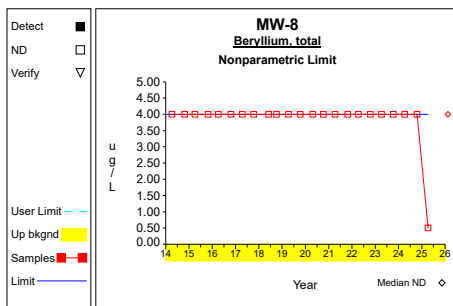
Graph 151



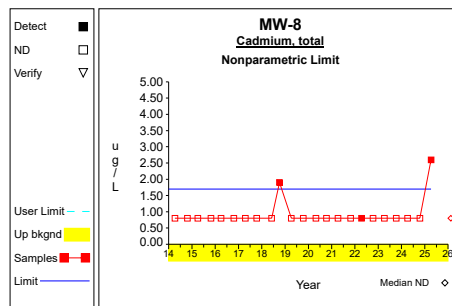
Graph 152



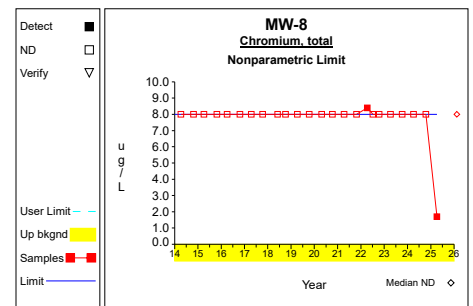
Graph 153



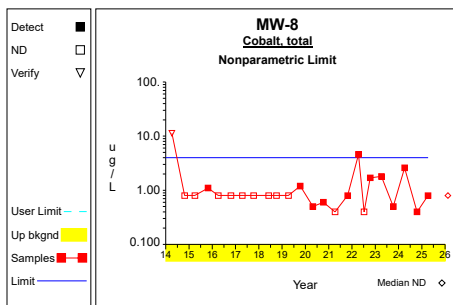
Graph 154



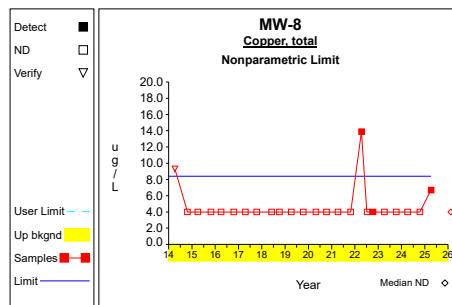
Graph 155



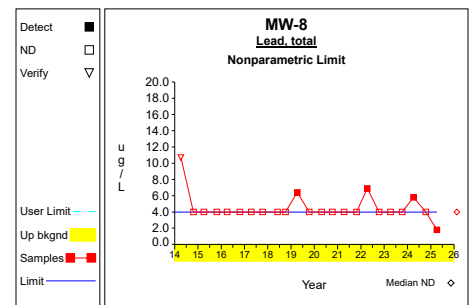
Graph 156



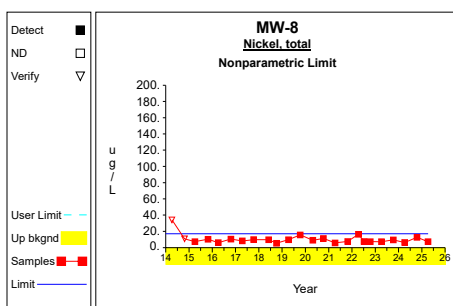
Graph 157



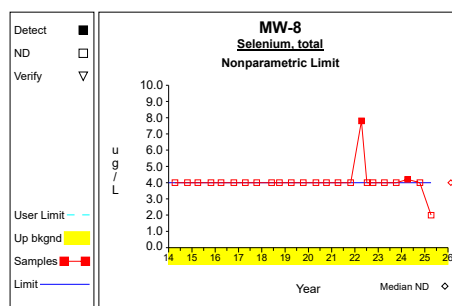
Graph 158



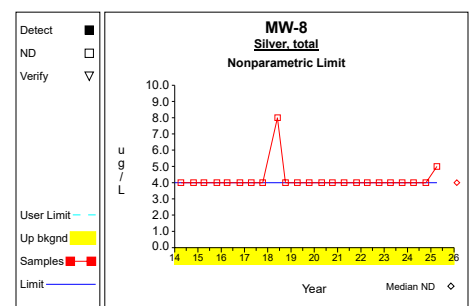
Graph 159



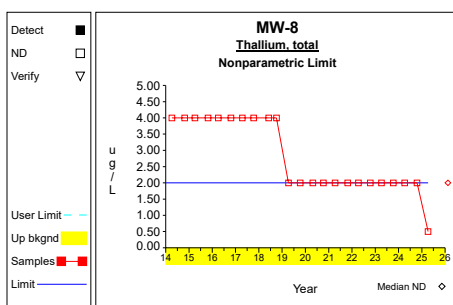
Graph 160



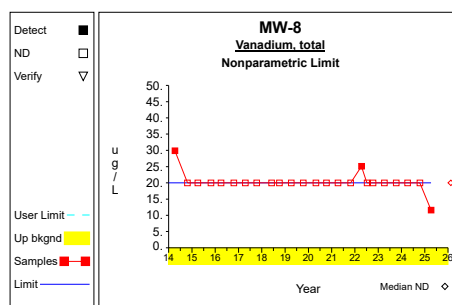
Graph 161



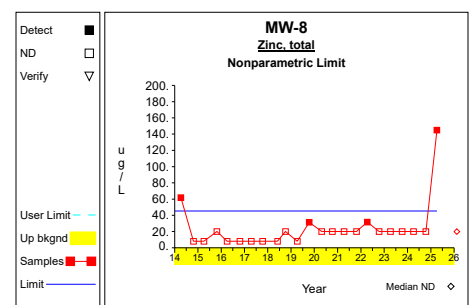
Graph 162



Graph 163

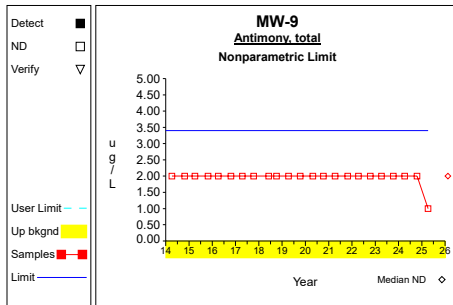


Graph 164

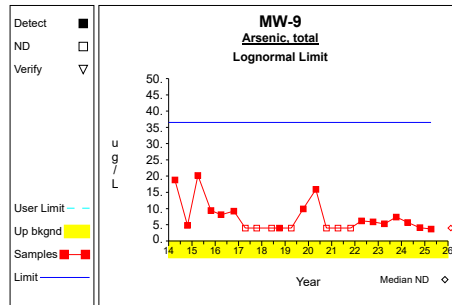


Graph 165

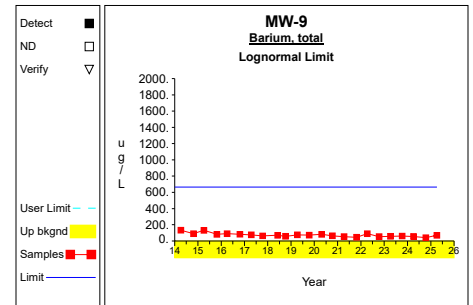
Up vs. Down Prediction Limits



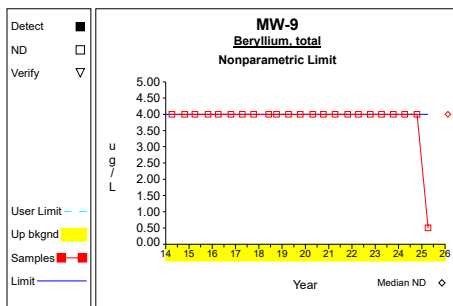
Graph 166



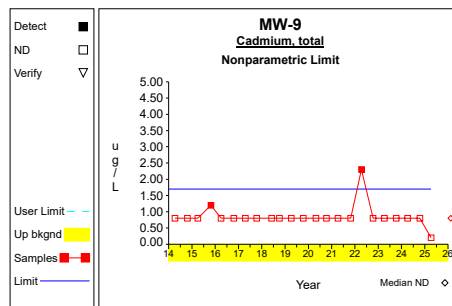
Graph 167



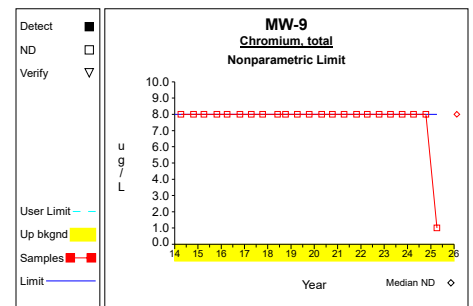
Graph 168



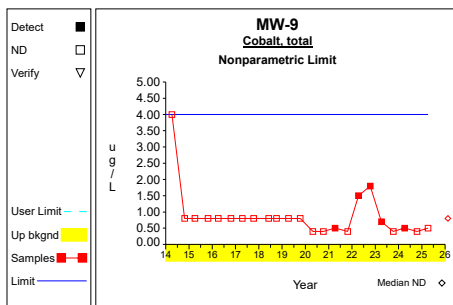
Graph 169



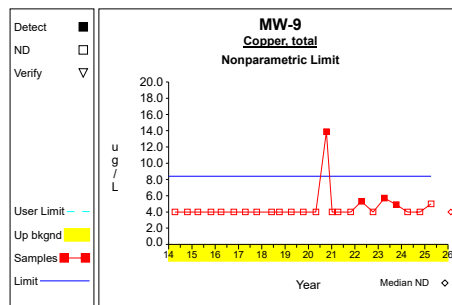
Graph 170



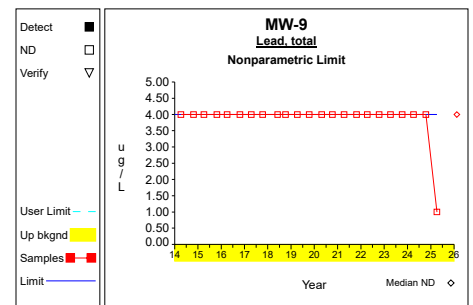
Graph 171



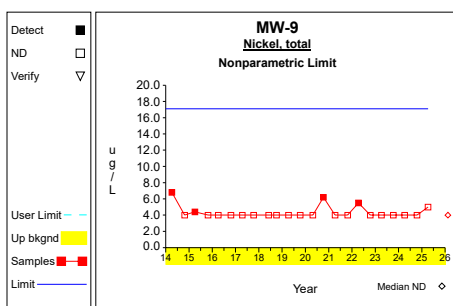
Graph 172



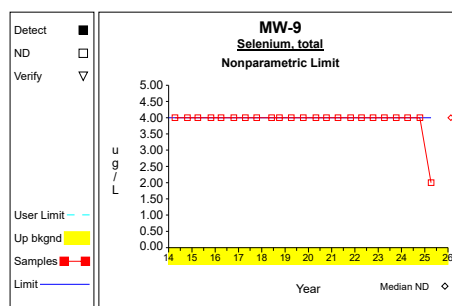
Graph 173



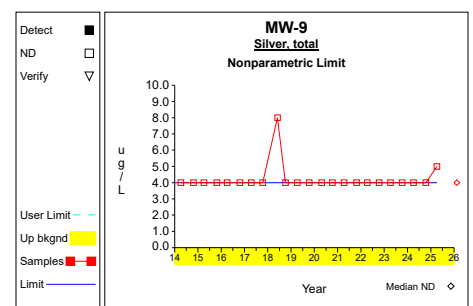
Graph 174



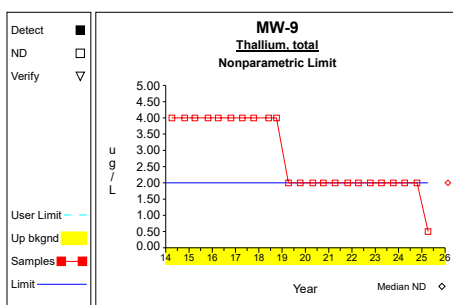
Graph 175



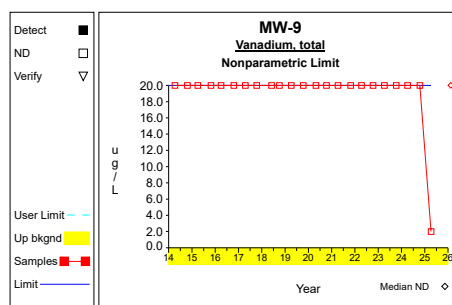
Graph 176



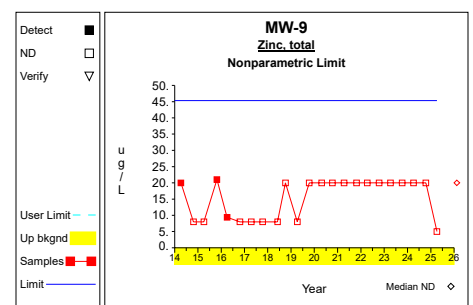
Graph 177



Graph 178

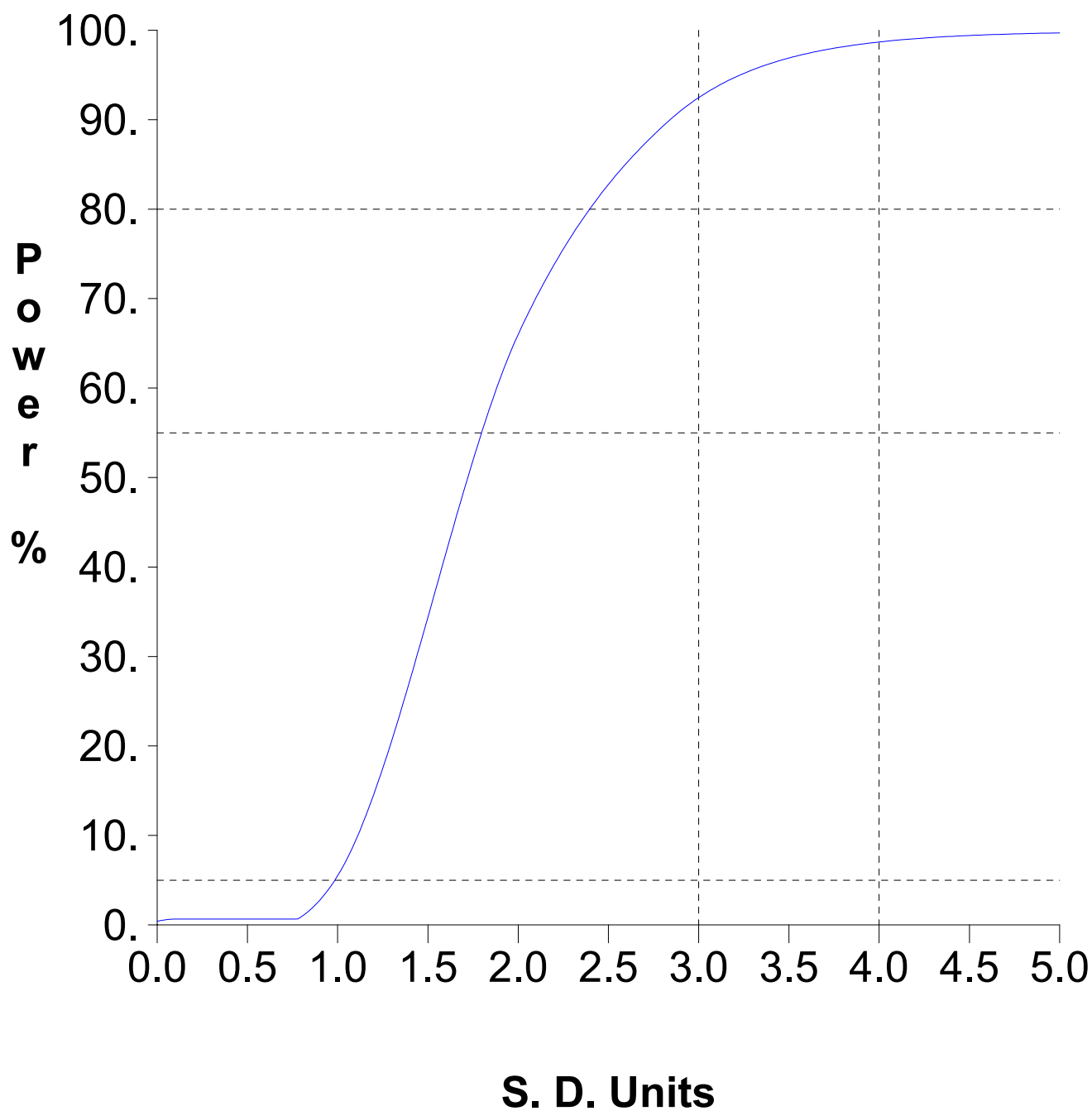


Graph 179



Graph 180

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-10	4	2.000	0.000	1.176	2.000	2.000	10.000	
Barium, total	ug/L	MW-10	4	117.300	19.683	1.176	94.147	140.453	2000.000	
Cadmium, total	ug/L	MW-10	4	1.375	1.756	1.176	0.000	3.440	5.000	
Cobalt, total	ug/L	MW-10	4	0.650	0.300	1.176	0.297	1.003	2.100	
Copper, total	ug/L	MW-10	4	18.700	7.532	1.176	9.841	27.559	1300.000	
Nickel, total	ug/L	MW-10	4	8.825	11.496	1.176	0.000	22.347	100.000	
Zinc, total	ug/L	MW-10	4	9.825	0.350	1.176	9.413	10.237	2000.000	
Arsenic, total	ug/L	MW-14	4	11.375	10.372	1.176	0.000	23.575	10.000	dec
Barium, total	ug/L	MW-14	4	772.425	728.885	1.176	0.000	1629.804	2000.000	
Cadmium, total	ug/L	MW-14	4	0.550	0.300	1.176	0.197	0.903	5.000	
Cobalt, total	ug/L	MW-14	4	1.050	0.995	1.176	0.000	2.220	2.100	dec
Copper, total	ug/L	MW-14	4	4.150	2.495	1.176	1.216	7.084	1300.000	
Nickel, total	ug/L	MW-14	4	5.800	4.627	1.176	0.357	11.243	100.000	dec
Zinc, total	ug/L	MW-14	4	10.000	0.000	1.176	10.000	10.000	2000.000	
Arsenic, total	ug/L	MW-15	4	4.775	4.009	1.176	0.060	9.490	10.000	
Barium, total	ug/L	MW-15	4	270.250	199.035	1.176	36.127	504.373	2000.000	
Cadmium, total	ug/L	MW-15	4	0.350	0.100	1.176	0.232	0.468	5.000	
Cobalt, total	ug/L	MW-15	4	0.575	0.236	1.176	0.297	0.853	2.100	
Copper, total	ug/L	MW-15	4	2.000	0.000	1.176	2.000	2.000	1300.000	
Nickel, total	ug/L	MW-15	4	27.525	14.563	1.176	10.395	44.655	100.000	
Zinc, total	ug/L	MW-15	4	10.000	0.000	1.176	10.000	10.000	2000.000	
Arsenic, total	ug/L	MW-16	4	4.450	3.441	1.176	0.402	8.498	10.000	
Barium, total	ug/L	MW-16	4	682.000	296.916	1.176	332.741	1031.259	2000.000	
Cadmium, total	ug/L	MW-16	4	0.350	0.100	1.176	0.232	0.468	5.000	
Cobalt, total	ug/L	MW-16	4	0.850	0.465	1.176	0.302	1.398	2.100	
Copper, total	ug/L	MW-16	4	2.000	0.000	1.176	2.000	2.000	1300.000	
Nickel, total	ug/L	MW-16	4	17.450	9.317	1.176	6.490	28.410	100.000	
Zinc, total	ug/L	MW-16	4	9.925	0.150	1.176	9.749	10.101	2000.000	
Arsenic, total	ug/L	MW-3AR	4	3.250	2.500	1.176	0.309	6.191	10.000	
Barium, total	ug/L	MW-3AR	4	152.525	145.133	1.176	0.000	323.244	2000.000	
Cadmium, total	ug/L	MW-3AR	4	1.200	0.748	1.176	0.320	2.080	5.000	
Cobalt, total	ug/L	MW-3AR	4	0.600	0.231	1.176	0.328	0.872	2.100	
Copper, total	ug/L	MW-3AR	4	5.425	4.106	1.176	0.596	10.254	1300.000	
Nickel, total	ug/L	MW-3AR	4	3.750	2.100	1.176	1.280	6.220	100.000	
Zinc, total	ug/L	MW-3AR	4	9.150	1.700	1.176	7.150	11.150	2000.000	
Arsenic, total	ug/L	MW-7A	4	2.000	0.000	1.176	2.000	2.000	10.000	
Barium, total	ug/L	MW-7A	4	136.075	78.053	1.176	44.262	227.888	2000.000	
Cadmium, total	ug/L	MW-7A	4	0.375	0.050	1.176	0.316	0.434	5.000	
Cobalt, total	ug/L	MW-7A	4	0.875	0.525	1.176	0.257	1.493	2.100	
Copper, total	ug/L	MW-7A	4	2.625	1.250	1.176	1.155	4.095	1300.000	
Nickel, total	ug/L	MW-7A	4	30.425	17.646	1.176	9.668	51.182	100.000	
Zinc, total	ug/L	MW-7A	4	8.825	2.350	1.176	6.061	11.589	2000.000	
Arsenic, total	ug/L	MW-7B	4	2.000	0.000	1.176	2.000	2.000	10.000	
Barium, total	ug/L	MW-7B	4	688.500	44.200	1.176	636.508	740.492	2000.000	
Cadmium, total	ug/L	MW-7B	4	0.400	0.000	1.176	0.400	0.400	5.000	
Cobalt, total	ug/L	MW-7B	4	0.400	0.000	1.176	0.400	0.400	2.100	
Copper, total	ug/L	MW-7B	4	2.000	0.000	1.176	2.000	2.000	1300.000	
Nickel, total	ug/L	MW-7B	4	11.000	0.757	1.176	10.109	11.891	100.000	
Zinc, total	ug/L	MW-7B	4	10.000	0.000	1.176	10.000	10.000	2000.000	
Arsenic, total	ug/L	MW-8	4	83.850	64.329	1.176	8.180	159.520	10.000	
Barium, total	ug/L	MW-8	4	1024.750	542.609	1.176	386.485	1663.015	2000.000	
Cadmium, total	ug/L	MW-8	4	0.950	1.100	1.176	0.000	2.244	5.000	
Cobalt, total	ug/L	MW-8	4	1.075	1.031	1.176	0.000	2.287	2.100	
Copper, total	ug/L	MW-8	4	3.175	2.350	1.176	0.411	5.939	1300.000	
Nickel, total	ug/L	MW-8	4	8.950	2.798	1.176	5.658	12.242	100.000	
Zinc, total	ug/L	MW-8	4	43.750	67.500	1.176	0.000	123.149	2000.000	

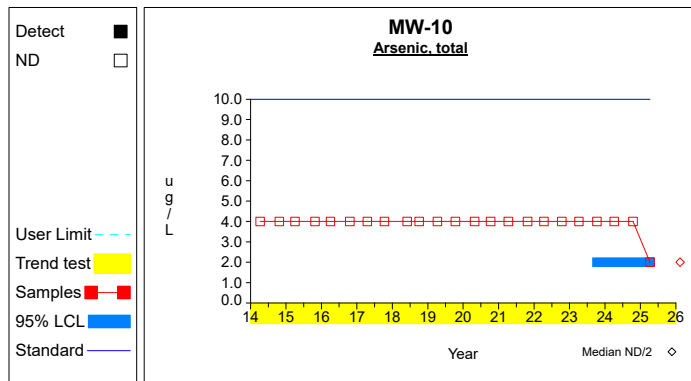
* - Insufficient Data

** - Significant Exceedance

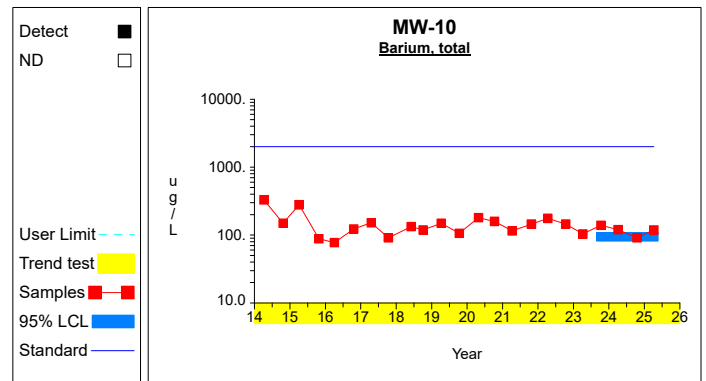
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

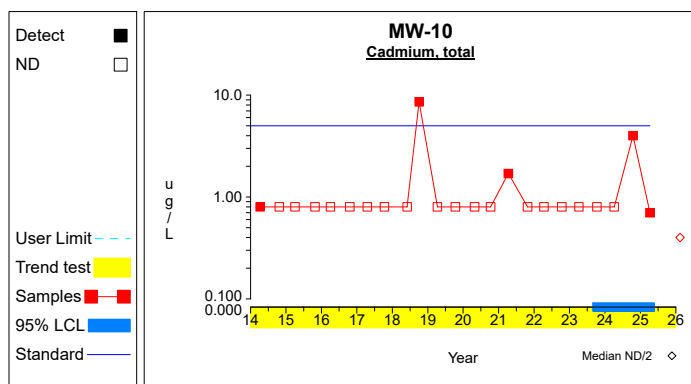
Confidence Limits (Assessment)



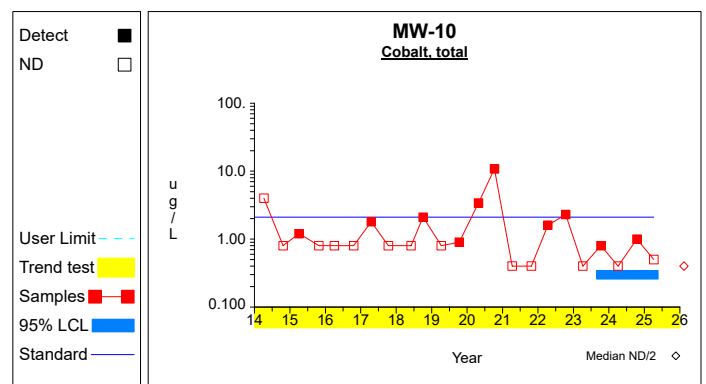
Graph 1



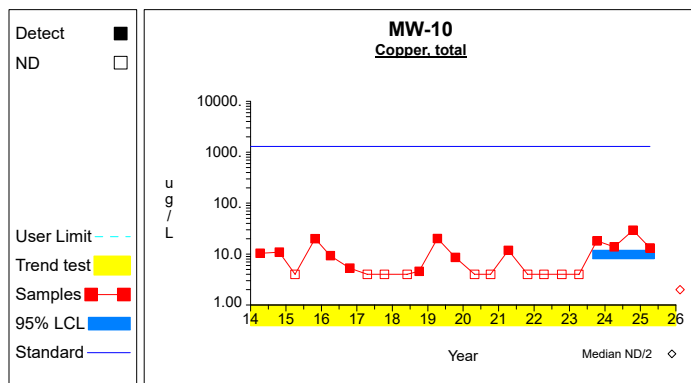
Graph 2



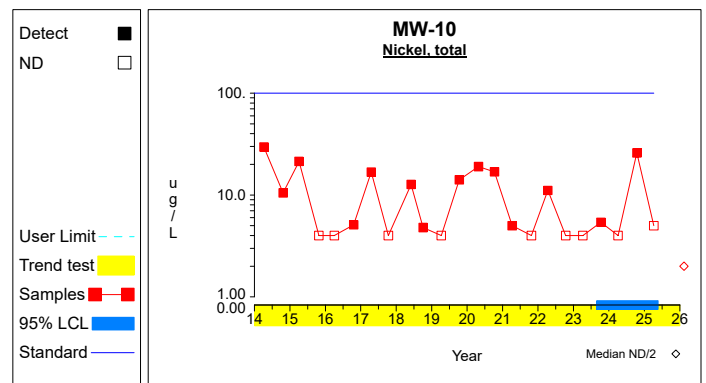
Graph 3



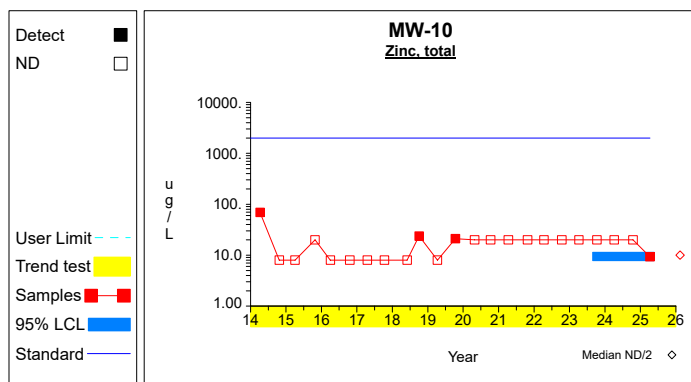
Graph 4



Graph 5

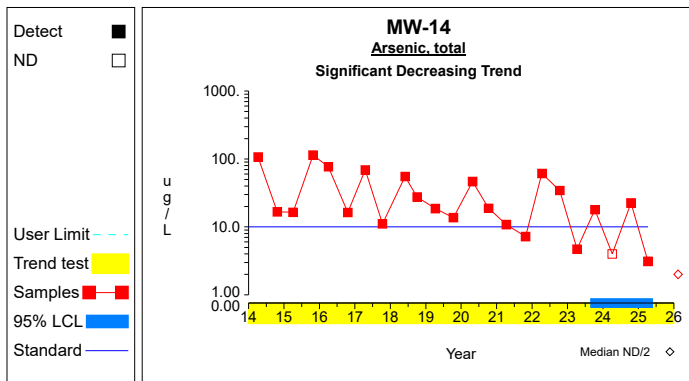


Graph 6

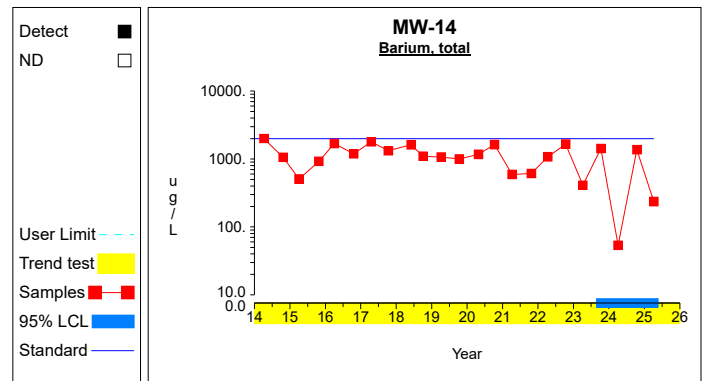


Graph 7

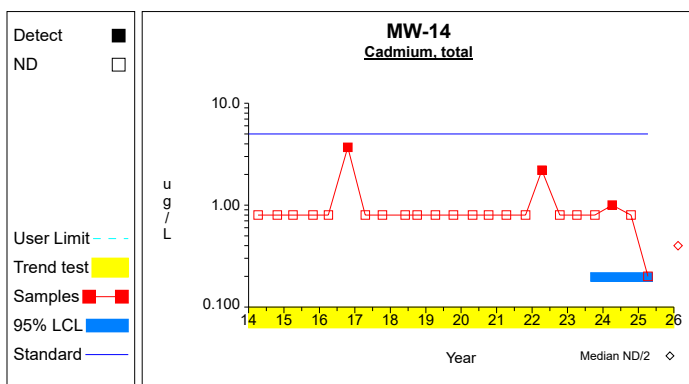
Confidence Limits (Assessment)



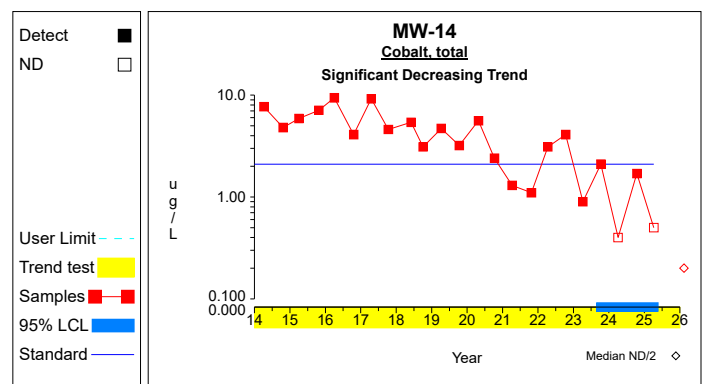
Graph 8



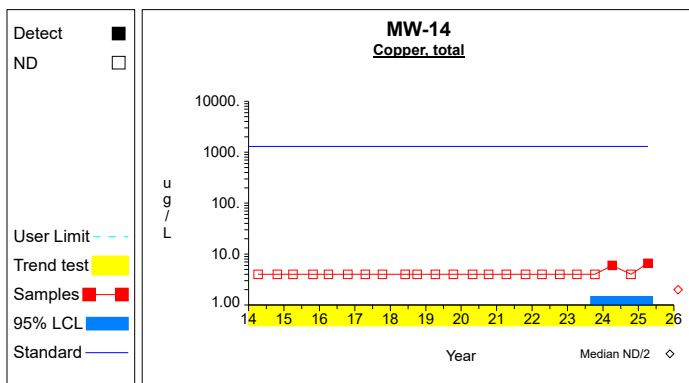
Graph 9



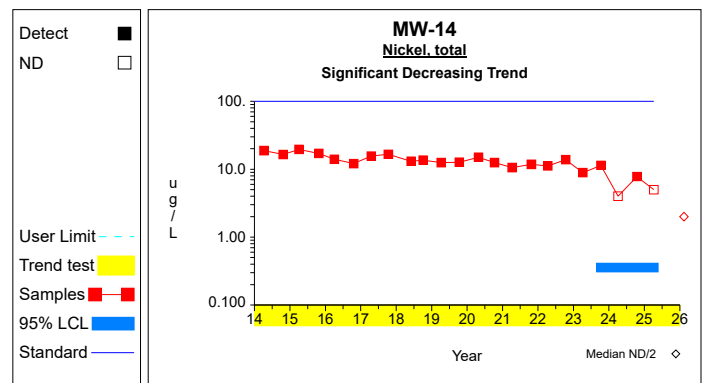
Graph 10



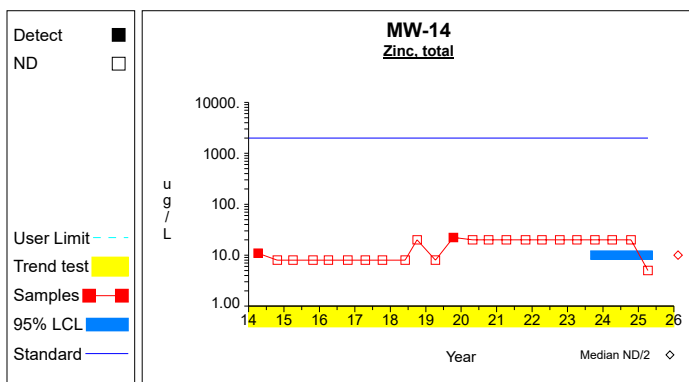
Graph 11



Graph 12

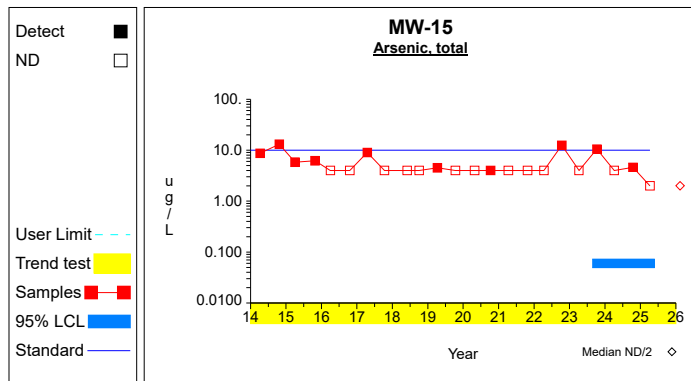


Graph 13

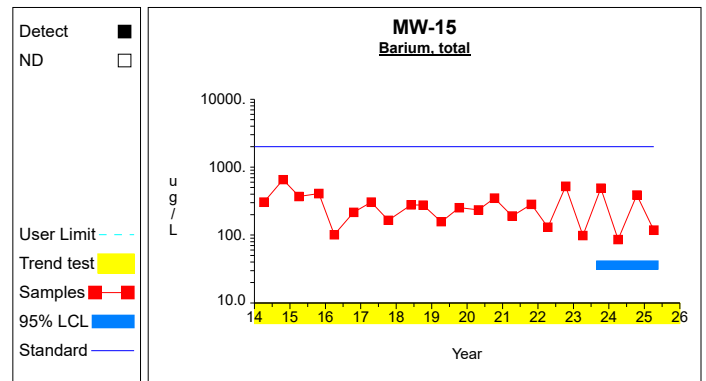


Graph 14

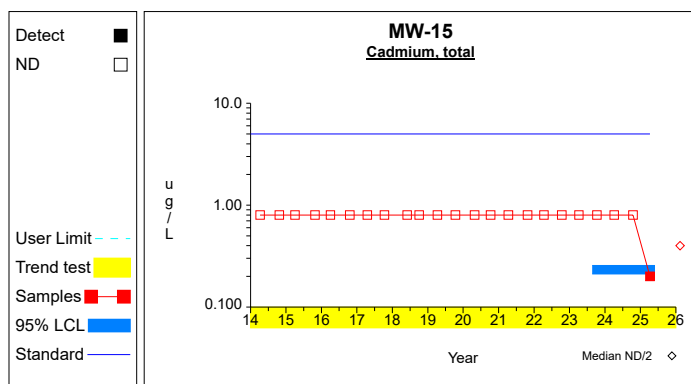
Confidence Limits (Assessment)



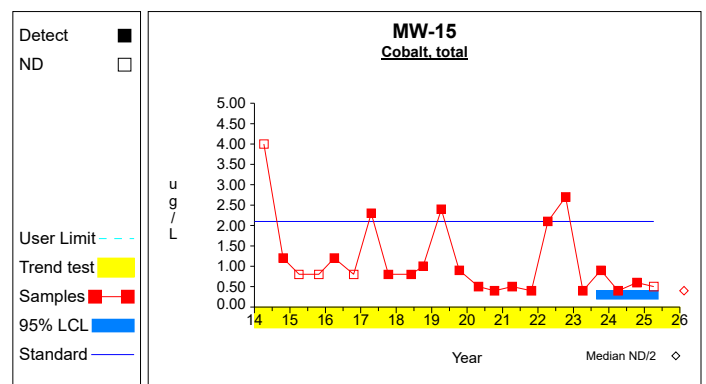
Graph 15



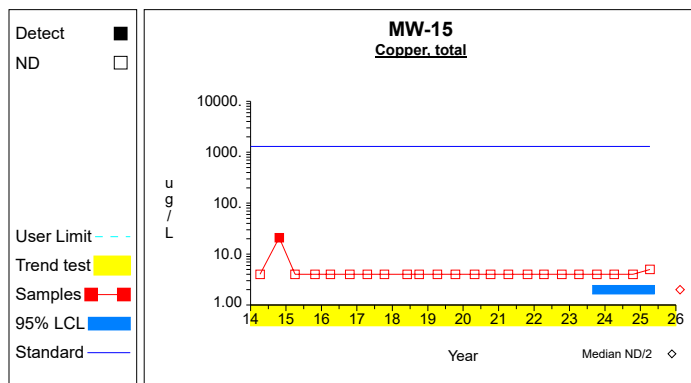
Graph 16



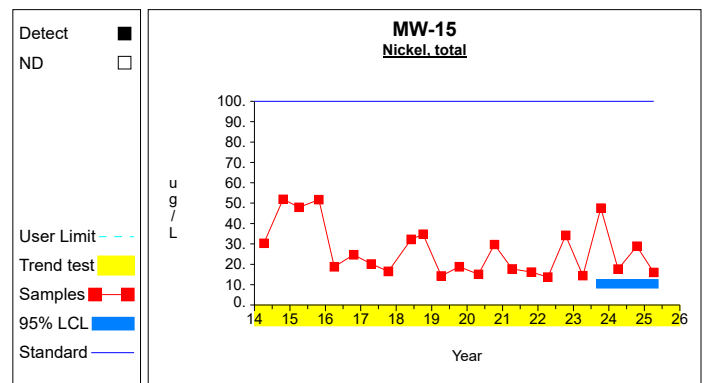
Graph 17



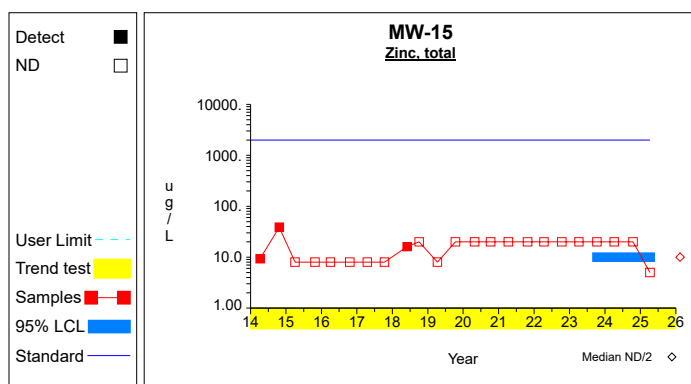
Graph 18



Graph 19

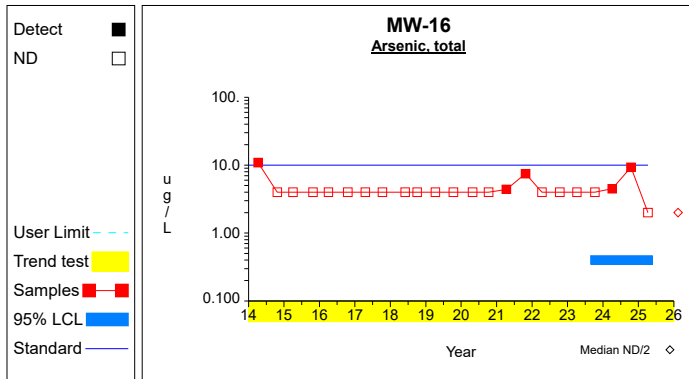


Graph 20

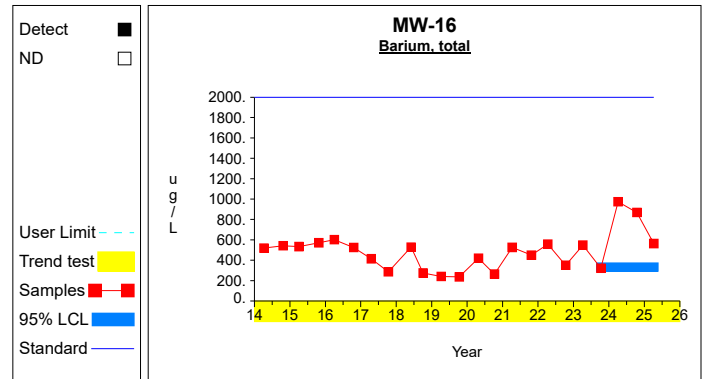


Graph 21

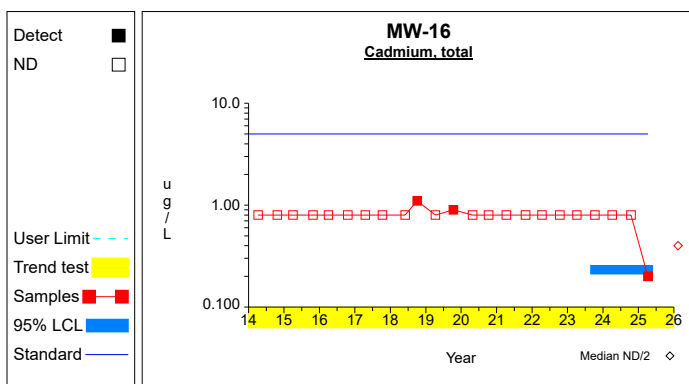
Confidence Limits (Assessment)



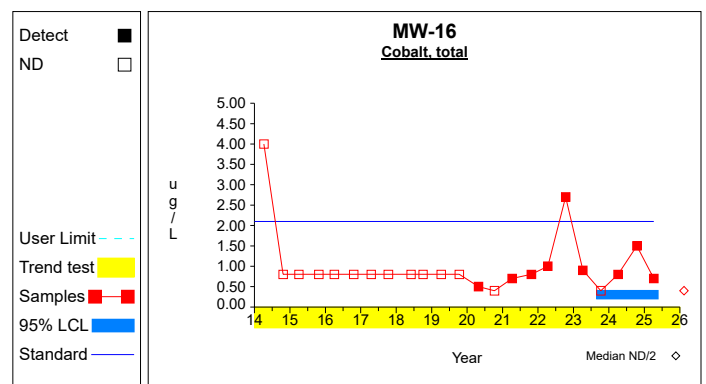
Graph 22



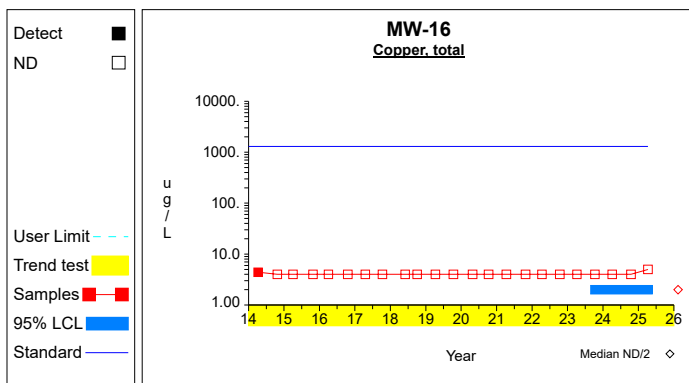
Graph 23



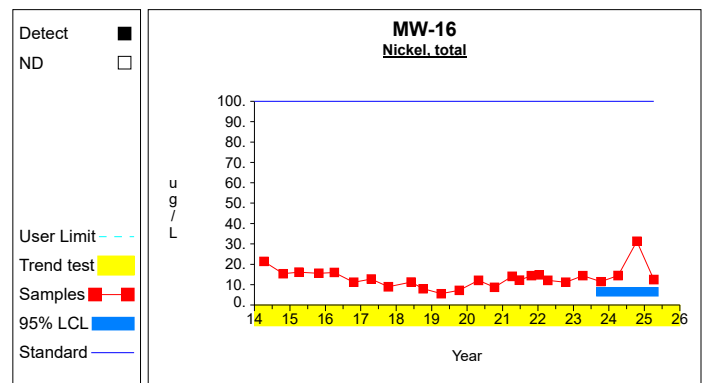
Graph 24



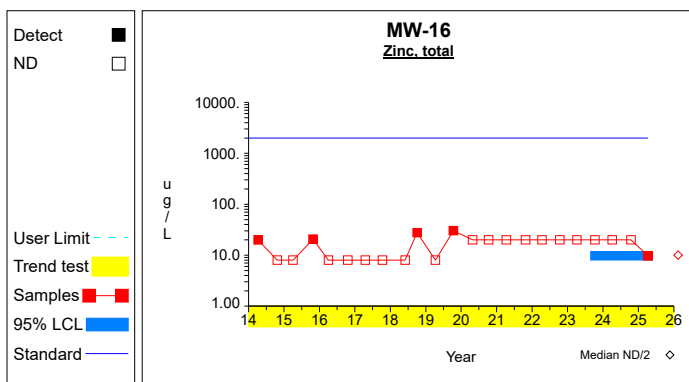
Graph 25



Graph 26

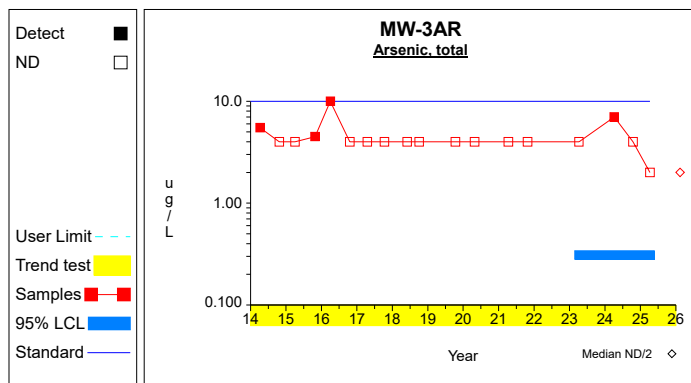


Graph 27

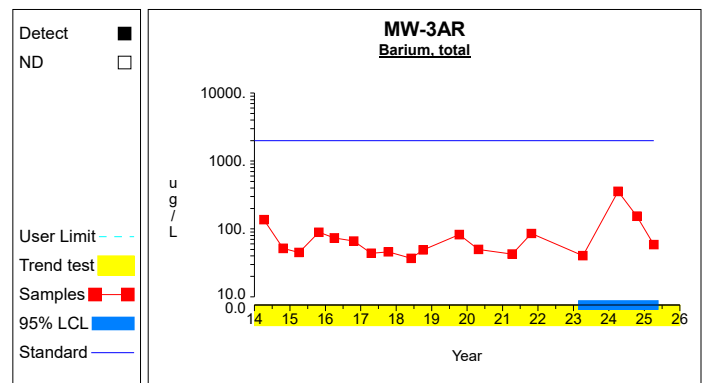


Graph 28

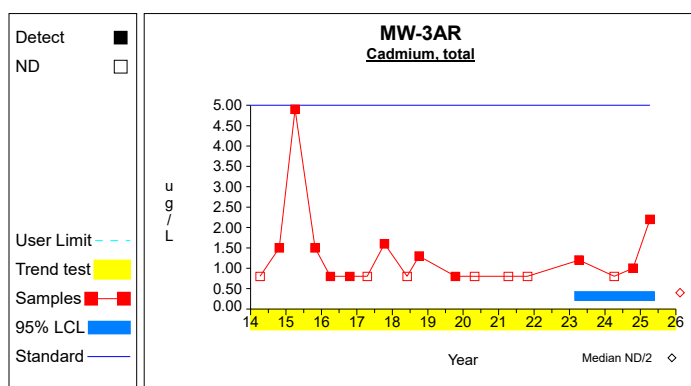
Confidence Limits (Assessment)



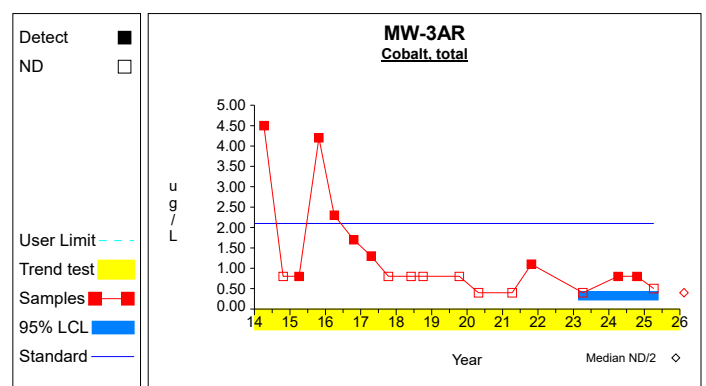
Graph 29



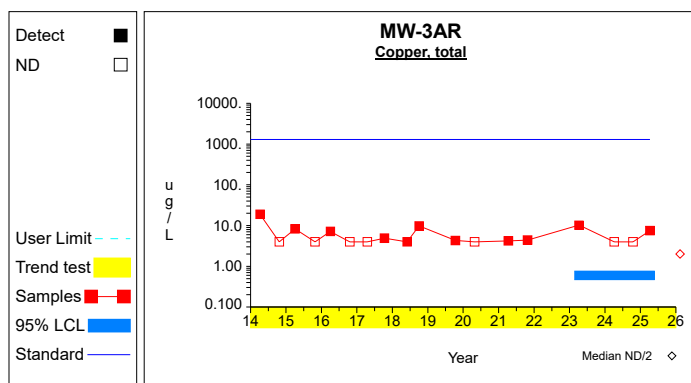
Graph 30



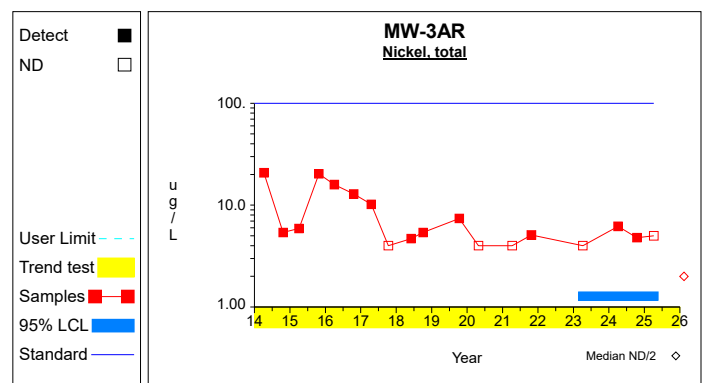
Graph 31



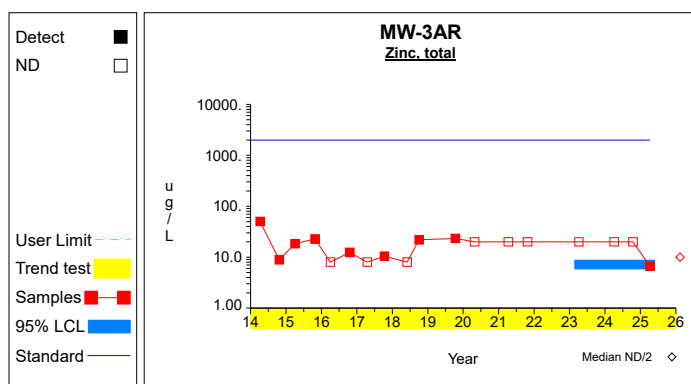
Graph 32



Graph 33

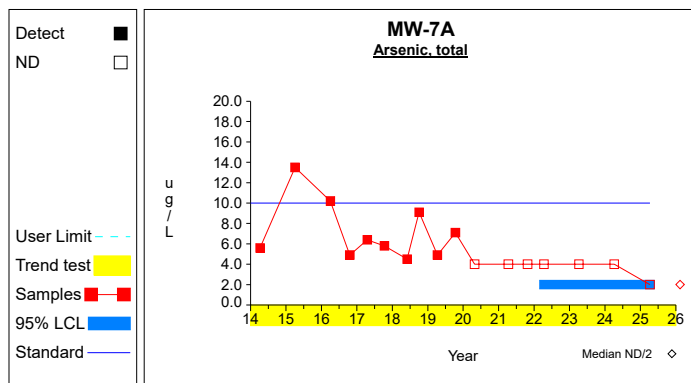


Graph 34

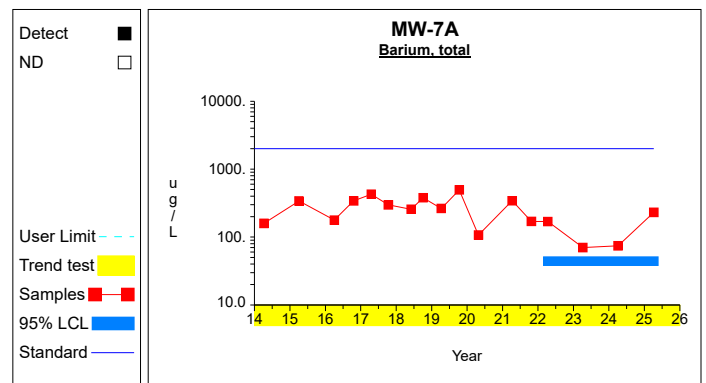


Graph 35

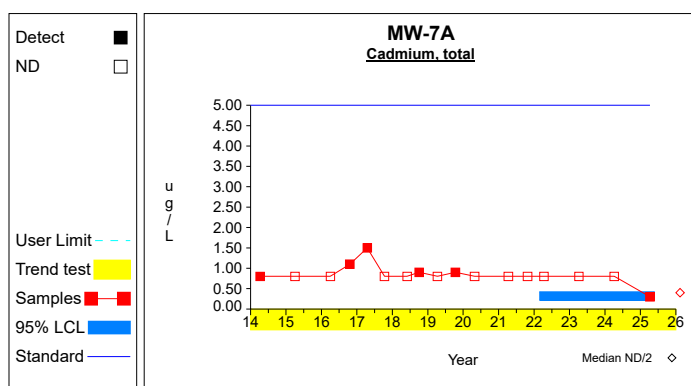
Confidence Limits (Assessment)



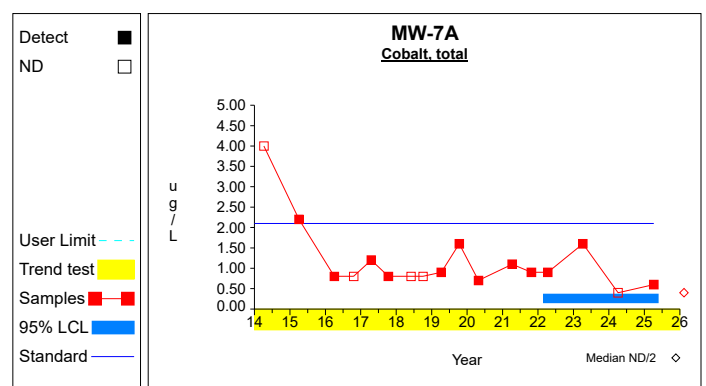
Graph 36



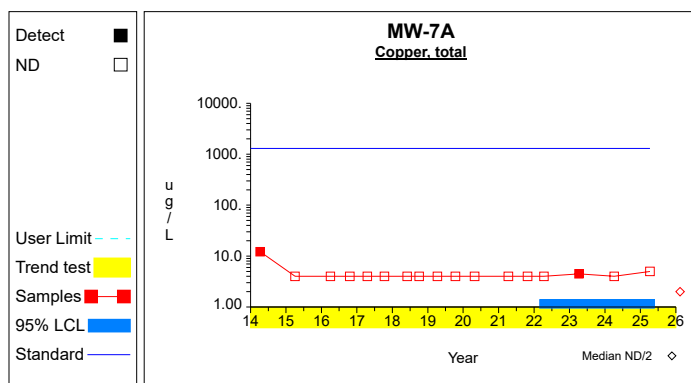
Graph 37



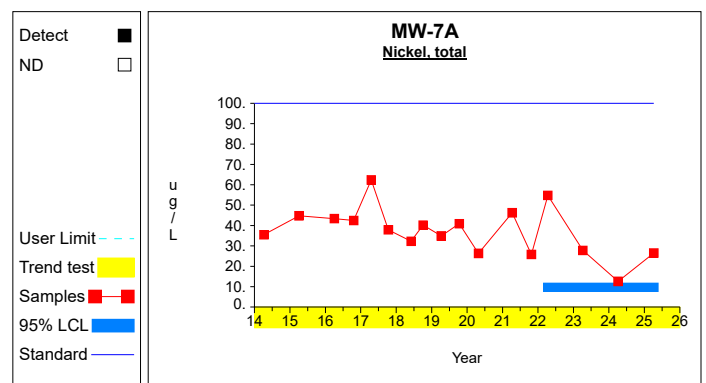
Graph 38



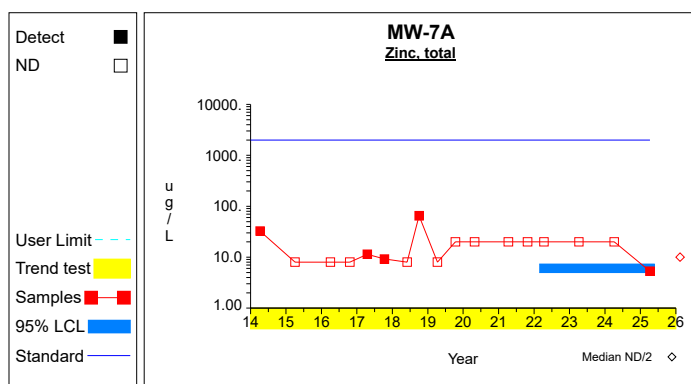
Graph 39



Graph 40

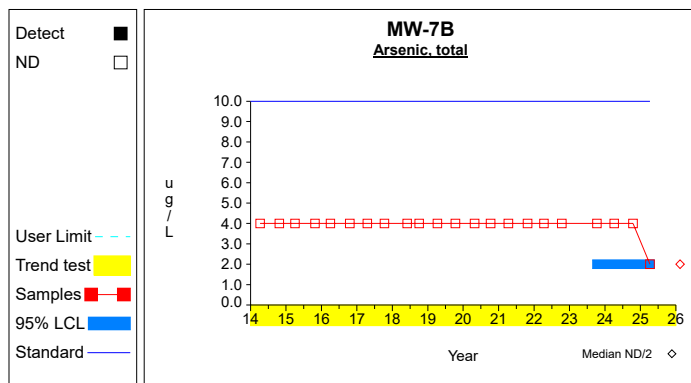


Graph 41

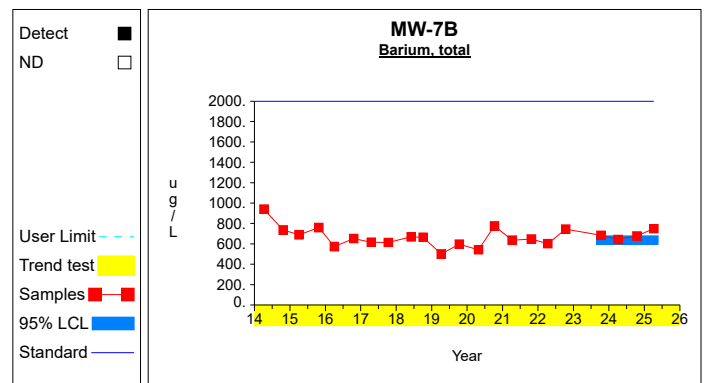


Graph 42

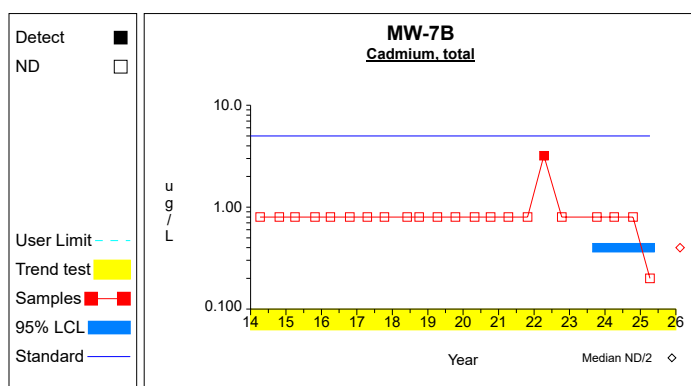
Confidence Limits (Assessment)



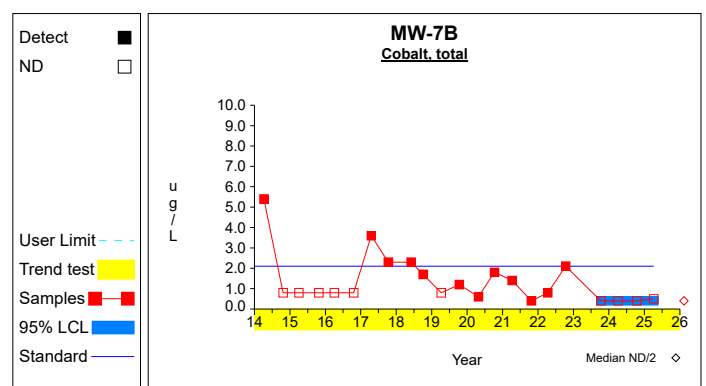
Graph 43



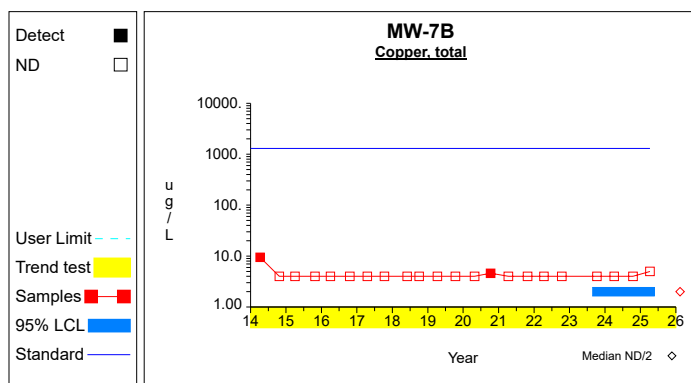
Graph 44



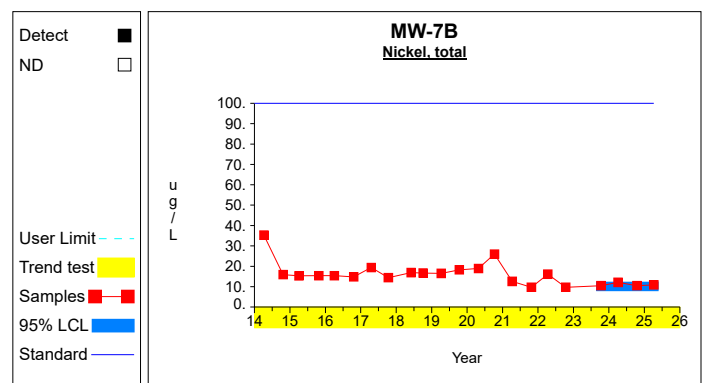
Graph 45



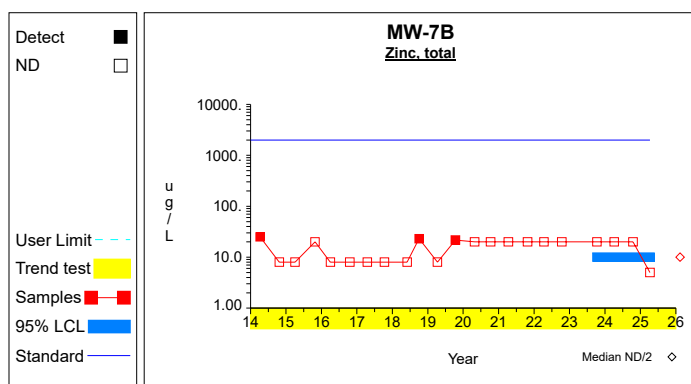
Graph 46



Graph 47

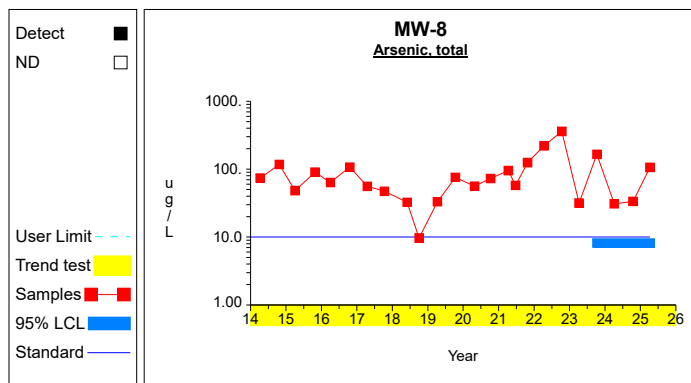


Graph 48

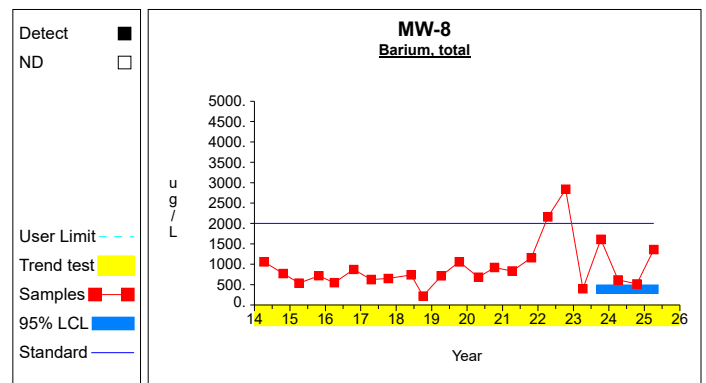


Graph 49

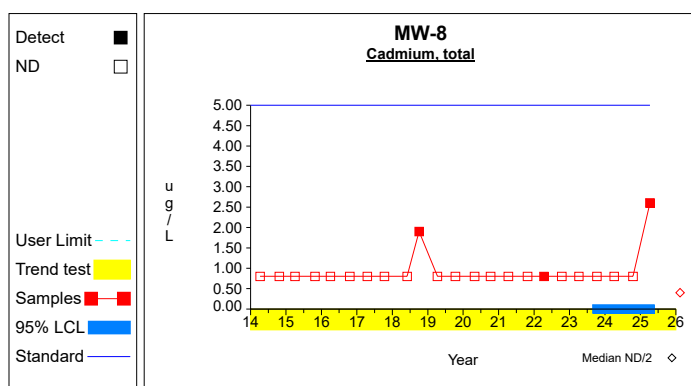
Confidence Limits (Assessment)



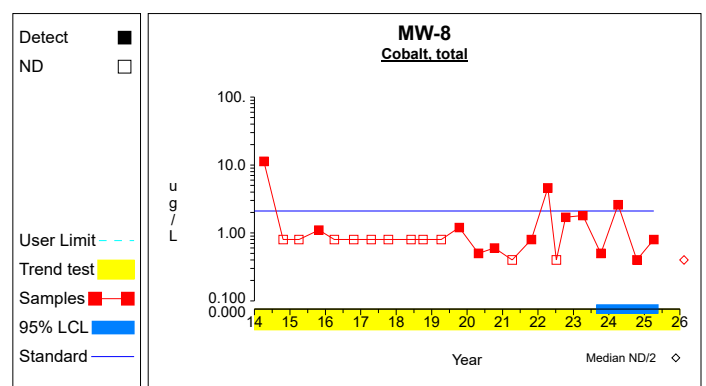
Graph 50



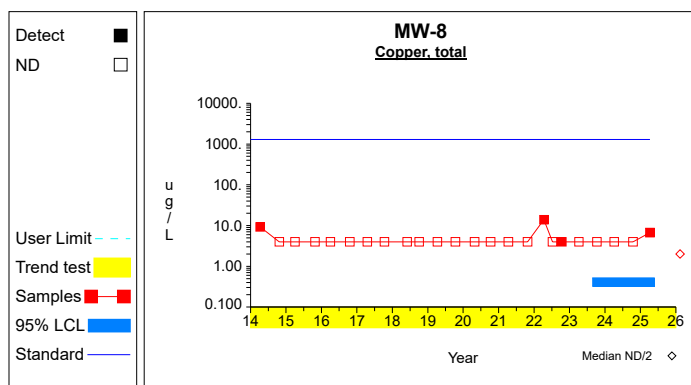
Graph 51



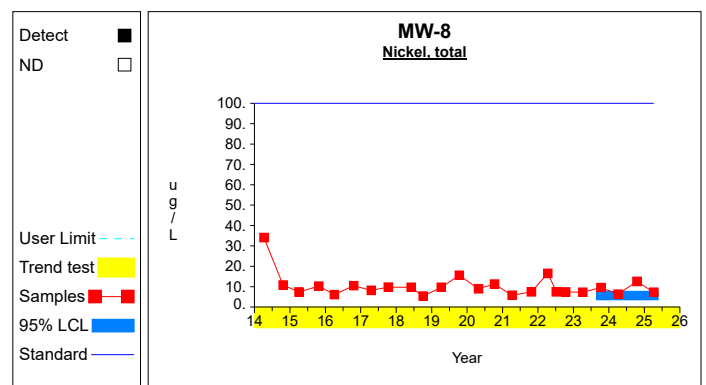
Graph 52



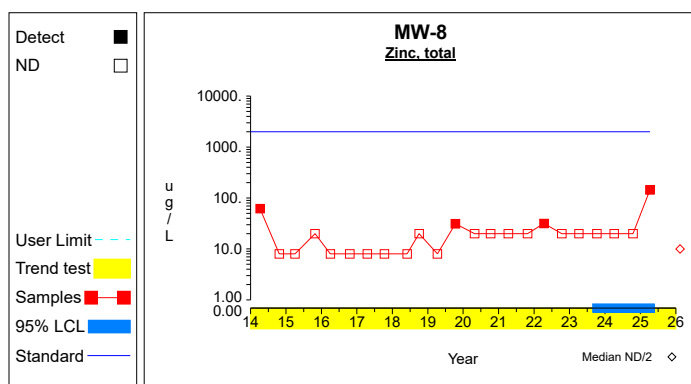
Graph 53



Graph 54



Graph 55



Graph 56

Attachment D

Summary of Historical VOC Detections

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-dichloroethane	GU-1	6/09/2009		1.2	1.0	ug/L
1,4-dichlorobenzene	GU-1	6/24/2008		1.5	1.0	ug/L
2-butanone (mek)	GU-1	6/24/2008		16.9	5.0	ug/L
4-nitroaniline	GU-1	6/09/2009		8	8	ug/L
Benzene	GU-1	4/22/2008		2.7	1.0	ug/L
Benzene	GU-1	6/24/2008		3.0	1.0	ug/L
Benzene	GU-1	4/14/2009		1.4	1.0	ug/L
Benzene	GU-1	10/28/2009		1.2	1.0	ug/L
Benzene	GU-1	8/05/2013		1.0	1.0	ug/L
Chloroethane	GU-1	4/22/2008		1.2	1.0	ug/L
Chloroethane	GU-1	6/24/2008		1.1	1.0	ug/L
Chloroethane	GU-1	8/01/2008		1.0	1.0	ug/L
Chloroethane	GU-1	10/30/2008		1.1	1.0	ug/L
Chloroethane	GU-1	4/14/2009		1.2	1.0	ug/L
Chloroethane	GU-1	6/09/2009		1.4	1.0	ug/L
Ethylbenzene	GU-1	6/24/2008		3.4	1.0	ug/L
Vinyl chloride	GU-1	4/22/2008		2.0	1.0	ug/L
Vinyl chloride	GU-1	6/24/2008		1.6	1.0	ug/L
Xylenes, total	GU-1	6/24/2008		4.9	2.0	ug/L
Acetone	GU-2	10/11/2017		18.7	10.0	ug/L
Bis(2-ethylhexyl) phthalate	GU-2	4/06/2023		7	6	ug/L
Bis(2-ethylhexyl) phthalate	GU-2	6/27/2023		7	6	ug/L
1,1-dichloroethane	GU-3	10/30/2008		6.4	1.0	ug/L
1,1-dichloroethane	GU-3	10/23/2014		3.1	1.0	ug/L
1,1-dichloroethane	GU-3	4/02/2015		1.7	1.0	ug/L
1,4-dichlorobenzene	GU-3	10/23/2014		1.4	1.0	ug/L
1,4-dichlorobenzene	GU-3	4/02/2015		1.4	1.0	ug/L
Benzene	GU-3	10/30/2008		1.2	1.0	ug/L
Bis(2-ethylhexyl) phthalate	GU-3	4/02/2015		51	8	ug/L
Chloroethane	GU-3	10/30/2008		4.3	1.0	ug/L
Chloroethane	GU-3	10/23/2014		2.8	1.0	ug/L
Chloroethane	GU-3	4/02/2015		9.5	1.0	ug/L
Cis-1,2-dichloroethylene	GU-3	10/30/2008		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	GU-3	10/23/2014		2.0	1.0	ug/L
Trichloroethylene	GU-3	10/30/2008		1.6	1.0	ug/L
Vinyl chloride	GU-3	10/30/2008		3.7	1.0	ug/L
Vinyl chloride	GU-3	10/23/2014		1.1	1.0	ug/L
Chlorobenzene	LPZ-8	10/25/2021		8.2	5.0	ug/L
Acetone	MW-10	10/11/2017		16.7	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-10	6/01/2018		7	6	ug/L
Toluene	MW-10	10/20/2010		15.8	1.0	ug/L
Trichloroethylene	MW-10	4/22/2008		2.8	1.0	ug/L
Acetone	MW-11	10/11/2017		17.9	10.0	ug/L
Acetone	MW-14	10/31/2008		10.8	10.0	ug/L
Acetone	MW-14	10/11/2017		16.9	10.0	ug/L
Benzene	MW-14	10/31/2008		2.6	1.0	ug/L
Benzene	MW-14	1/06/2009		1.8	1.0	ug/L
Benzene	MW-14	2/10/2009		2.0	1.0	ug/L
Benzene	MW-14	4/14/2009		2.2	1.0	ug/L
Benzene	MW-14	6/09/2009		2.8	1.0	ug/L
Benzene	MW-14	10/28/2009		1.7	1.0	ug/L
Benzene	MW-14	4/19/2010		1.9	1.0	ug/L
Benzene	MW-14	10/20/2010		1.7	1.0	ug/L
Benzene	MW-14	4/20/2011		1.4	1.0	ug/L
Benzene	MW-14	10/13/2011		2.0	1.0	ug/L
Benzene	MW-14	4/25/2012		2.0	1.0	ug/L
Benzene	MW-14	10/26/2015		1.3	1.0	ug/L
Benzene	MW-14	4/17/2017		1.2	1.0	ug/L
Benzene	MW-14	6/01/2018		1.6	1.0	ug/L
Benzene	MW-14	10/03/2018		1.0	1.0	ug/L
Benzene	MW-14	4/27/2020		1.0	1.0	ug/L
Benzene	MW-14	10/09/2020		1.9	1.0	ug/L
Benzene	MW-14	10/12/2022		1.9	1.0	ug/L
Carbon disulfide	MW-14	8/06/2013		1	1	ug/L
Chlorobenzene	MW-14	10/31/2008		1	1	ug/L
Chlorobenzene	MW-14	4/14/2009		1	1	ug/L
Chlorobenzene	MW-14	6/09/2009		1	1	ug/L
Chlorobenzene	MW-14	10/28/2009		1	1	ug/L
Chloroethane	MW-14	10/31/2008		1.3	1.0	ug/L
Chloroethane	MW-14	1/06/2009		1.2	1.0	ug/L
Chloroethane	MW-14	4/14/2009		1.2	1.0	ug/L
Chloroethane	MW-14	6/09/2009		1.4	1.0	ug/L
Ethylbenzene	MW-14	10/31/2008		1.7	1.0	ug/L
Ethylbenzene	MW-14	1/06/2009		1.8	1.0	ug/L
Ethylbenzene	MW-14	2/10/2009		1.8	1.0	ug/L
Ethylbenzene	MW-14	4/14/2009		12.6	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
Ethylbenzene	MW-14	6/09/2009		12.8	1.0	ug/L
Ethylbenzene	MW-14	10/28/2009		8.8	1.0	ug/L
Ethylbenzene	MW-14	4/19/2010		15.4	1.0	ug/L
Ethylbenzene	MW-14	10/20/2010		2.7	1.0	ug/L
Ethylbenzene	MW-14	4/20/2011		11.2	1.0	ug/L
Ethylbenzene	MW-14	10/13/2011		1.2	1.0	ug/L
Methacrylonitrile	MW-14	4/27/2020		1.2	1.0	ug/L
O,o,o-triethyl phosphorothioate	MW-14	6/09/2009		1.6	.4	ug/L
Vinyl chloride	MW-14	10/31/2008		1.6	1.0	ug/L
Vinyl chloride	MW-14	1/06/2009		1.3	1.0	ug/L
Vinyl chloride	MW-14	2/10/2009		1.6	1.0	ug/L
Vinyl chloride	MW-14	4/14/2009		1.3	1.0	ug/L
Vinyl chloride	MW-14	6/09/2009		1.4	1.0	ug/L
Xylenes, total	MW-14	4/14/2009		2.4	2.0	ug/L
Xylenes, total	MW-14	6/09/2009		2.9	2.0	ug/L
Xylenes, total	MW-14	4/19/2010		2.1	2.0	ug/L
Xylenes, total	MW-14	10/13/2011		2.3	2.0	ug/L
1,1-dichloroethane	MW-15	10/31/2008		2.3	1.0	ug/L
1,1-dichloroethane	MW-15	1/06/2009		1.8	1.0	ug/L
1,1-dichloroethane	MW-15	6/09/2009		1.5	1.0	ug/L
1,1-dichloroethane	MW-15	10/28/2009		1.0	1.0	ug/L
1,1-dichloroethane	MW-15	10/20/2010		3.3	1.0	ug/L
1,1-dichloroethane	MW-15	10/13/2011		3.5	1.0	ug/L
1,1-dichloroethane	MW-15	4/25/2012		1.0	1.0	ug/L
1,1-dichloroethane	MW-15	10/22/2012		1.7	1.0	ug/L
1,1-dichloroethane	MW-15	8/06/2013		1.1	1.0	ug/L
1,1-dichloroethane	MW-15	10/23/2014		1.6	1.0	ug/L
1,1-dichloroethane	MW-15	10/26/2015		1.4	1.0	ug/L
Benzene	MW-15	10/09/2023		1	1	ug/L
Bis(2-ethylhexyl) phthalate	MW-15	4/27/2020		11	6	ug/L
Chloroethane	MW-15	10/31/2008		2.0	1.0	ug/L
Chloroethane	MW-15	1/06/2009		1.4	1.0	ug/L
Chloroethane	MW-15	10/20/2010		1.8	1.0	ug/L
Chloroethane	MW-15	10/13/2011		2.6	1.0	ug/L
Chloroethane	MW-15	10/22/2012		1.7	1.0	ug/L
Chloroethane	MW-15	10/23/2014		1.6	1.0	ug/L
Chloroethane	MW-15	4/02/2015		9.1	1.0	ug/L
Chloroethane	MW-15	10/26/2015		1.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-15	10/31/2008		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-15	10/20/2010		2.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-15	10/13/2011		1.4	1.0	ug/L
Vinyl chloride	MW-15	10/20/2010		1.7	1.0	ug/L
Vinyl chloride	MW-15	10/13/2011		1.8	1.0	ug/L
Acetone	MW-16	10/11/2017		16.3	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-16	4/11/2022		10	6	ug/L
Xylenes, total	MW-16	10/28/2009		2	2	ug/L
Acetone	MW-17	10/11/2017		20.1	10.0	ug/L
Acetone	MW-18	4/29/2020		14.2	10.0	ug/L
Acetone	MW-3AR	4/25/2012		33.8	10.0	ug/L
Acetone	MW-3AR	10/22/2012		28.0	10.0	ug/L
Acetone	MW-3AR	10/11/2017		19.2	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-3AR	10/13/2011		10	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-3AR	4/25/2012		10	8	ug/L
Dimethoate	MW-3AR	10/13/2011		.9	.4	ug/L
Famphur	MW-3AR	10/13/2011		.9	.4	ug/L
Bis(2-ethylhexyl) phthalate	MW-6B	4/08/2019		8	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-6B	4/08/2019		29	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-6B	4/27/2020		13	6	ug/L
1,1-dichloroethane	MW-7A	6/24/2008		3.7	1.0	ug/L
1,1-dichloroethane	MW-7A	8/01/2008		4.5	1.0	ug/L
1,1-dichloroethane	MW-7A	10/31/2008		5.5	1.0	ug/L
1,1-dichloroethane	MW-7A	1/06/2009		4.4	1.0	ug/L
1,1-dichloroethane	MW-7A	6/09/2009		4.9	1.0	ug/L
1,1-dichloroethane	MW-7A	4/19/2010		1.4	1.0	ug/L
1,1-dichloroethane	MW-7A	10/20/2010		3.2	1.0	ug/L
1,1-dichloroethane	MW-7A	4/07/2014		2.5	1.0	ug/L
1,1-dichloroethane	MW-7A	10/19/2016		2.2	1.0	ug/L
1,1-dichloroethane	MW-7A	10/11/2017		3.2	1.0	ug/L
1,1-dichloroethane	MW-7A	6/01/2018		2.2	1.0	ug/L
1,1-dichloroethane	MW-7A	10/03/2018		2.6	1.0	ug/L
1,1-dichloroethane	MW-7A	10/11/2019		1.1	1.0	ug/L
Acetone	MW-7A	10/11/2017		21.8	10.0	ug/L
Chloroethane	MW-7A	6/24/2008		1.1	1.0	ug/L
Chloroethane	MW-7A	8/01/2008		1.7	1.0	ug/L
Chloroethane	MW-7A	10/31/2008		2.1	1.0	ug/L
Chloroethane	MW-7A	1/06/2009		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
Chloroethane	MW-7A	6/09/2009		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7A	6/24/2008		3.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7A	8/01/2008		3.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7A	10/31/2008		5.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7A	1/06/2009		3.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7A	6/09/2009		3.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7A	10/20/2010		2.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7A	4/07/2014		2.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7A	10/19/2016		2.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7A	10/11/2017		3.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7A	6/01/2018		1.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7A	10/03/2018		2.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7A	10/11/2019		2.0	1.0	ug/L
Vinyl chloride	MW-7A	6/24/2008		2.4	1.0	ug/L
Vinyl chloride	MW-7A	8/01/2008		2.7	1.0	ug/L
Vinyl chloride	MW-7A	10/31/2008		3.8	1.0	ug/L
Vinyl chloride	MW-7A	1/06/2009		2.5	1.0	ug/L
Vinyl chloride	MW-7A	6/09/2009		2.6	1.0	ug/L
Vinyl chloride	MW-7A	10/20/2010		1.5	1.0	ug/L
Vinyl chloride	MW-7A	4/07/2014		1.1	1.0	ug/L
Vinyl chloride	MW-7A	10/11/2017		1.3	1.0	ug/L
Vinyl chloride	MW-7A	6/01/2018		1.1	1.0	ug/L
1,1-dichloroethane	MW-7B	4/22/2008		3.2	1.0	ug/L
1,1-dichloroethane	MW-7B	6/24/2008		3.2	1.0	ug/L
1,1-dichloroethane	MW-7B	8/01/2008		2.8	1.0	ug/L
1,1-dichloroethane	MW-7B	10/31/2008		5.3	1.0	ug/L
1,1-dichloroethane	MW-7B	1/06/2009		2.5	1.0	ug/L
1,1-dichloroethane	MW-7B	4/13/2009		3.1	1.0	ug/L
1,1-dichloroethane	MW-7B	6/09/2009		3.0	1.0	ug/L
1,1-dichloroethane	MW-7B	10/28/2009		2.7	1.0	ug/L
1,1-dichloroethane	MW-7B	4/19/2010		3.3	1.0	ug/L
1,1-dichloroethane	MW-7B	10/20/2010		2.4	1.0	ug/L
1,1-dichloroethane	MW-7B	10/13/2011		1.6	1.0	ug/L
1,1-dichloroethane	MW-7B	4/25/2012		2.7	1.0	ug/L
1,1-dichloroethane	MW-7B	10/22/2012		1.2	1.0	ug/L
1,1-dichloroethane	MW-7B	4/15/2013		2.1	1.0	ug/L
1,1-dichloroethane	MW-7B	8/06/2013		1.9	1.0	ug/L
1,1-dichloroethane	MW-7B	4/07/2014		1.4	1.0	ug/L
Chloroethane	MW-7B	10/31/2008		1.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7B	6/24/2008		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7B	10/31/2008		4.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7B	4/13/2009		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7B	6/09/2009		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7B	10/28/2009		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7B	4/19/2010		1.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7B	10/20/2010		1.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7B	4/25/2012		1.0	1.0	ug/L
Vinyl chloride	MW-7B	4/22/2008		2.5	1.0	ug/L
Vinyl chloride	MW-7B	6/24/2008		2.8	1.0	ug/L
Vinyl chloride	MW-7B	8/01/2008		2.3	1.0	ug/L
Vinyl chloride	MW-7B	10/31/2008		3.7	1.0	ug/L
Vinyl chloride	MW-7B	1/06/2009		1.8	1.0	ug/L
Vinyl chloride	MW-7B	4/13/2009		2.3	1.0	ug/L
Vinyl chloride	MW-7B	6/09/2009		2.3	1.0	ug/L
Vinyl chloride	MW-7B	10/28/2009		2.0	1.0	ug/L
Vinyl chloride	MW-7B	4/19/2010		2.5	1.0	ug/L
Vinyl chloride	MW-7B	10/20/2010		1.5	1.0	ug/L
Vinyl chloride	MW-7B	10/13/2011		1.2	1.0	ug/L
Vinyl chloride	MW-7B	4/25/2012		1.8	1.0	ug/L
Vinyl chloride	MW-7B	4/15/2013		1.5	1.0	ug/L
Vinyl chloride	MW-7B	8/06/2013		1.3	1.0	ug/L
Vinyl chloride	MW-7B	4/07/2014		1.2	1.0	ug/L
1,1-dichloroethane	MW-8	4/22/2008		1.6	1.0	ug/L
1,1-dichloroethane	MW-8	6/24/2008		2.3	1.0	ug/L
1,1-dichloroethane	MW-8	8/01/2008		3.0	1.0	ug/L
1,1-dichloroethane	MW-8	10/31/2008		1.3	1.0	ug/L
1,1-dichloroethane	MW-8	4/13/2009		1.2	1.0	ug/L
1,1-dichloroethane	MW-8	6/09/2009		1.9	1.0	ug/L
1,1-dichloroethane	MW-8	10/22/2012		1.0	1.0	ug/L
1,1-dichloroethane	MW-8	8/06/2013		1.4	1.0	ug/L
1,1-dichloroethane	MW-8	4/07/2014		1.3	1.0	ug/L
Chloroethane	MW-8	8/01/2008		1.9	1.0	ug/L
Chloroethane	MW-8	6/09/2009		1.0	1.0	ug/L
Chloroethane	MW-8	8/06/2013		1.0	1.0	ug/L
Chloroethane	MW-8	4/07/2014		1.3	1.0	ug/L
Chloroethane	MW-8	10/03/2018		1.0	1.0	ug/L

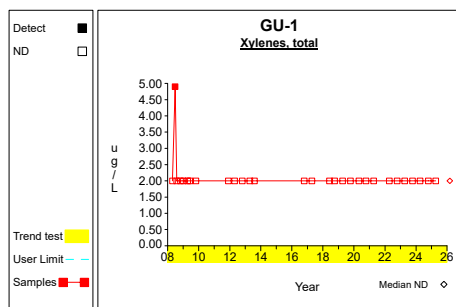
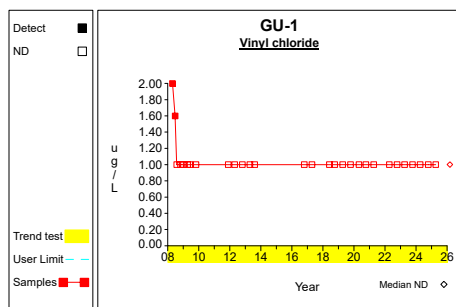
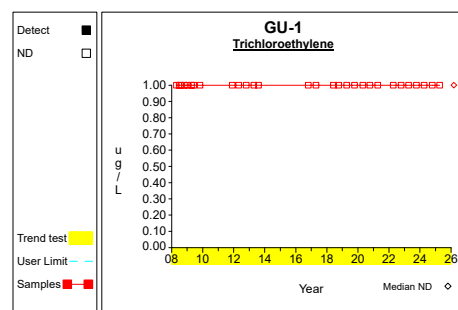
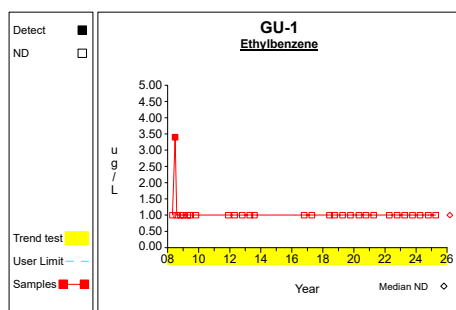
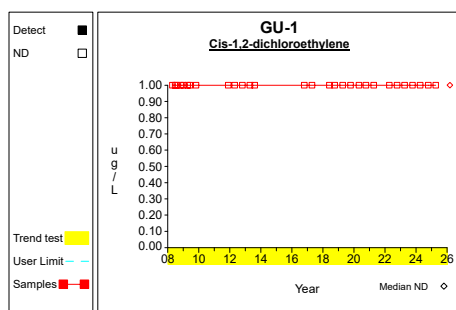
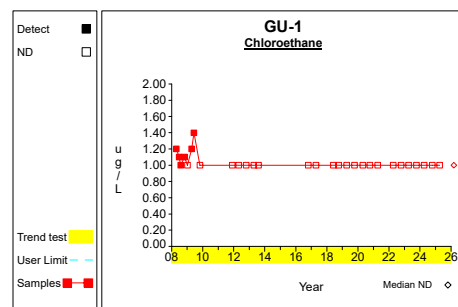
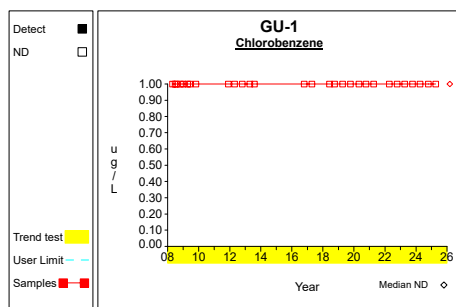
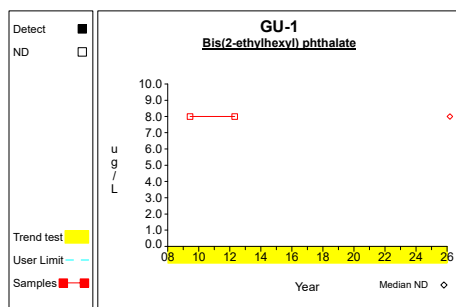
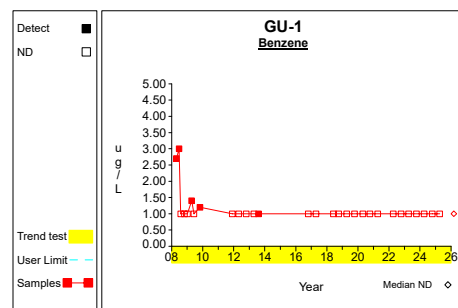
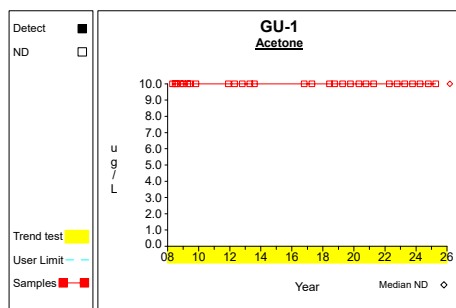
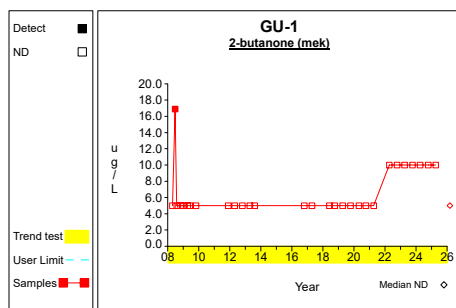
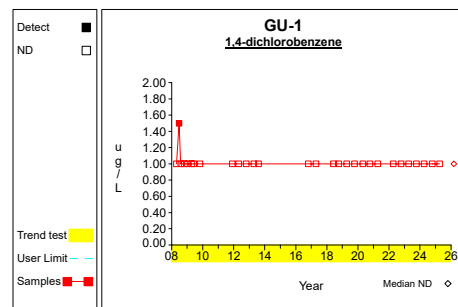
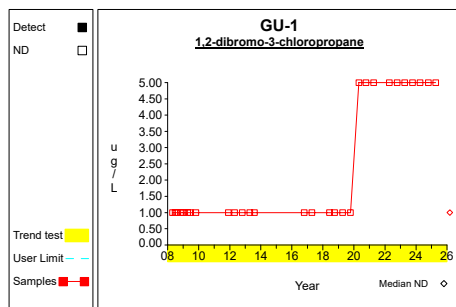
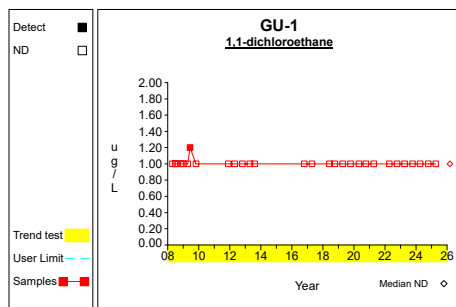
Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1**Historical Volatile Organic Compound Detections**

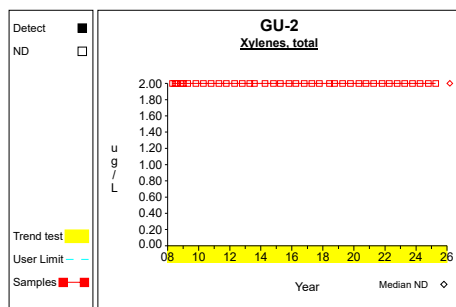
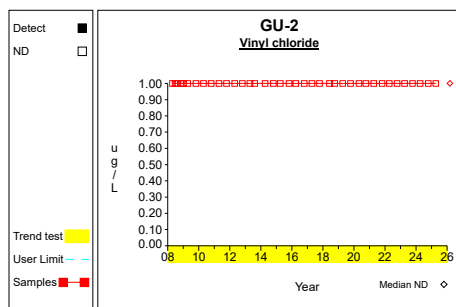
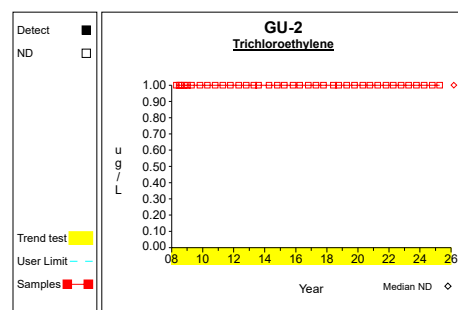
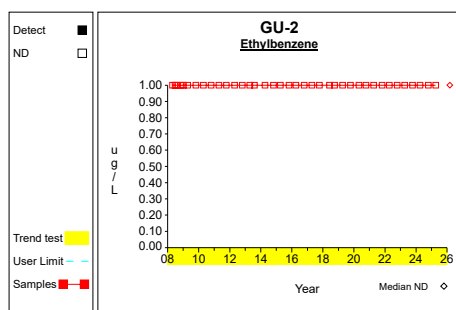
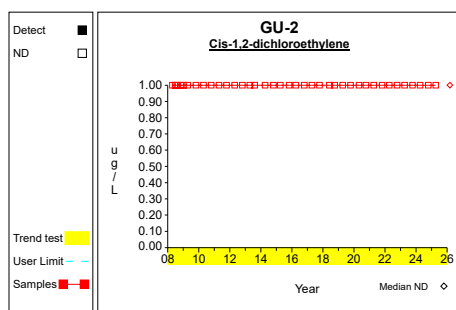
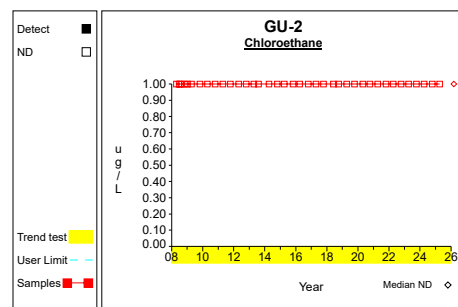
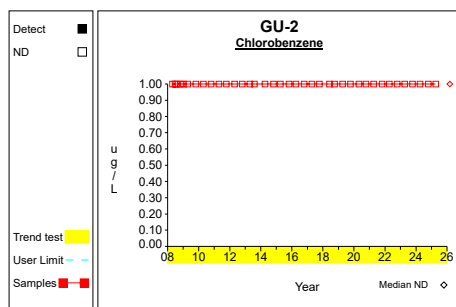
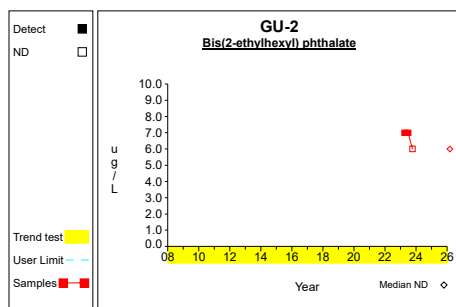
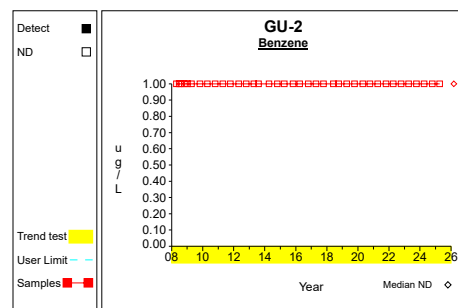
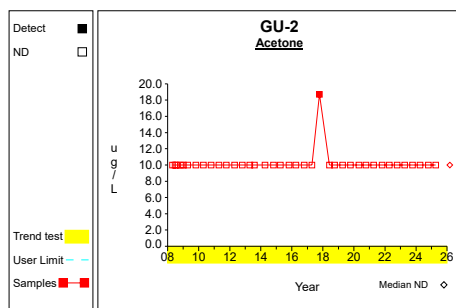
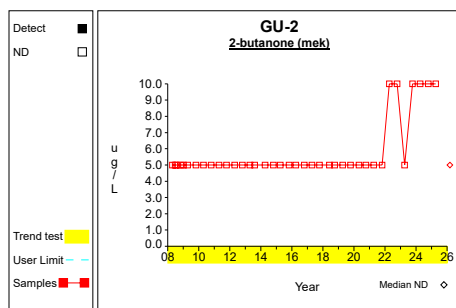
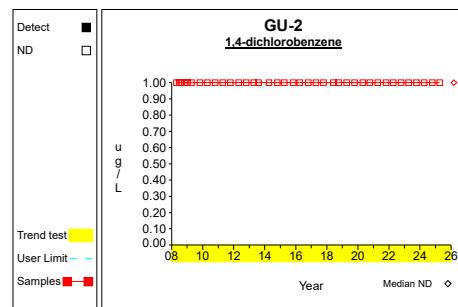
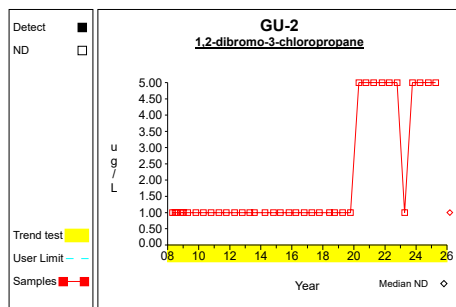
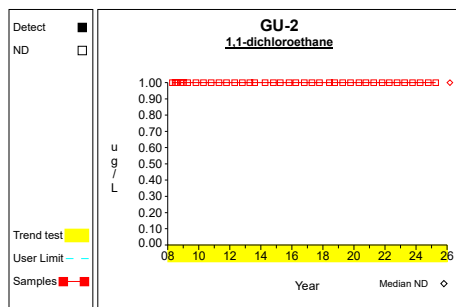
Constituent	Well	Date	Identifier	Result	Limit	Units
Cis-1,2-dichloroethylene	MW-8	6/24/2008		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	8/01/2008		2.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	10/31/2008		1.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	6/09/2009		1.0	1.0	ug/L
Vinyl chloride	MW-8	8/01/2008		1.2	1.0	ug/L
Acetone	MW-9	10/11/2017		11.2	10.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

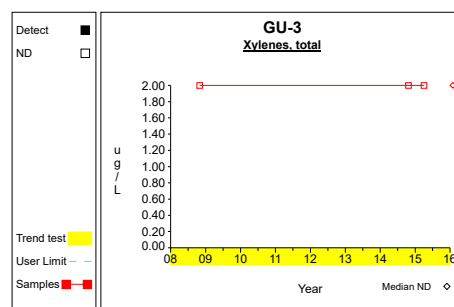
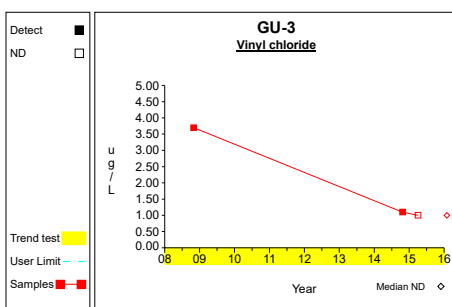
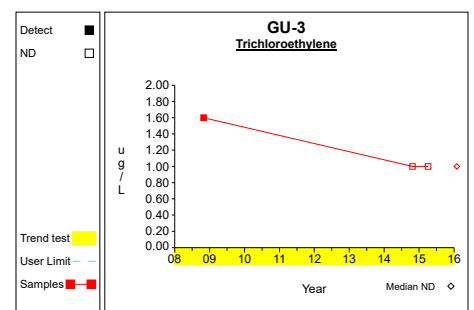
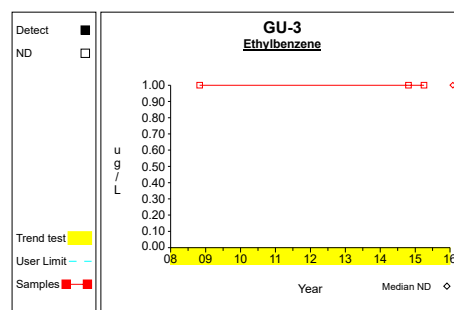
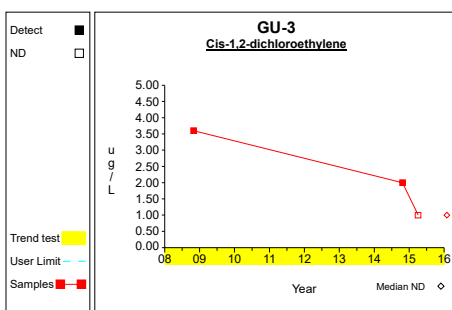
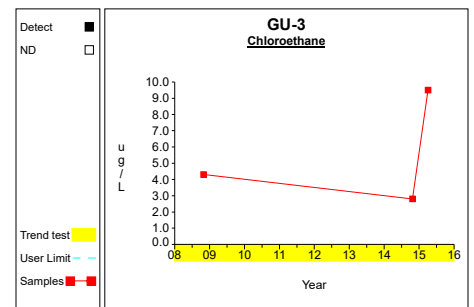
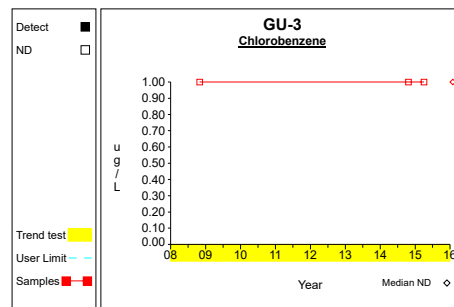
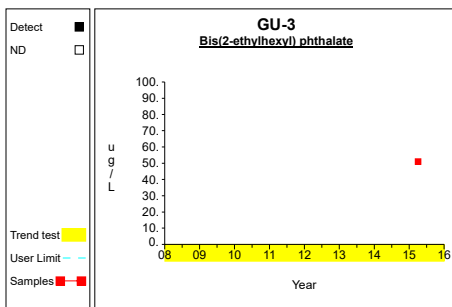
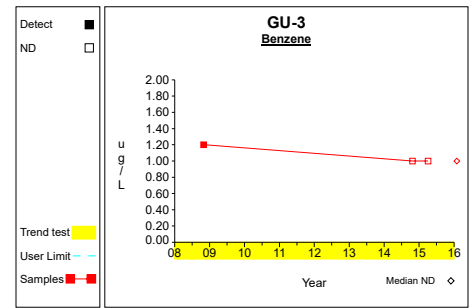
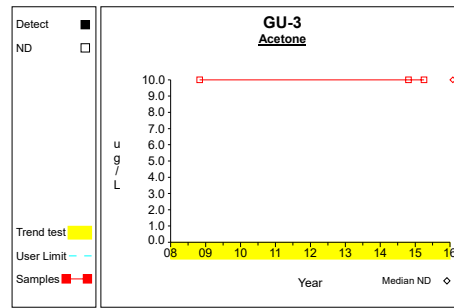
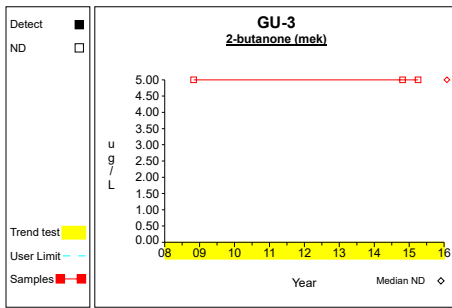
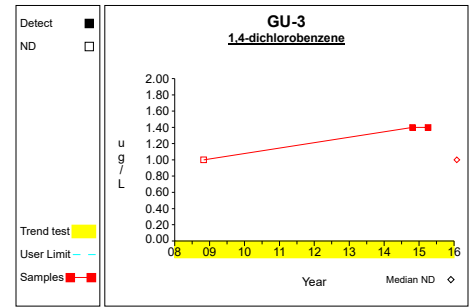
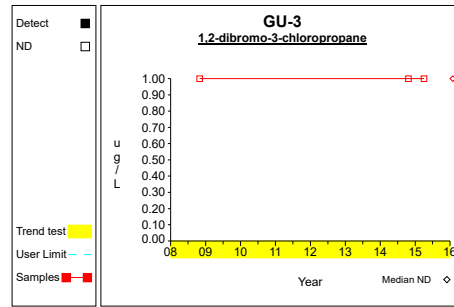
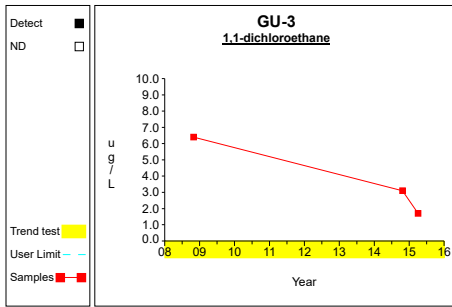
Time Series



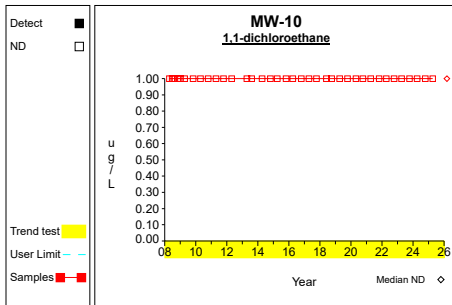
Time Series



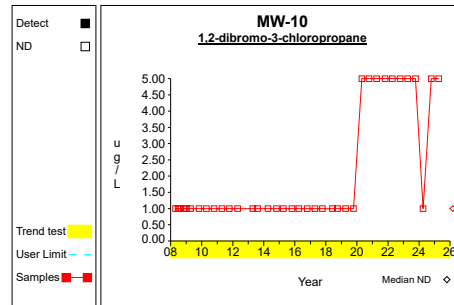
Time Series



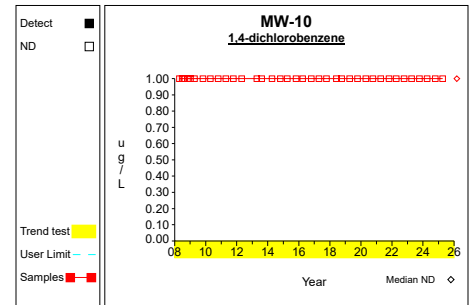
Time Series



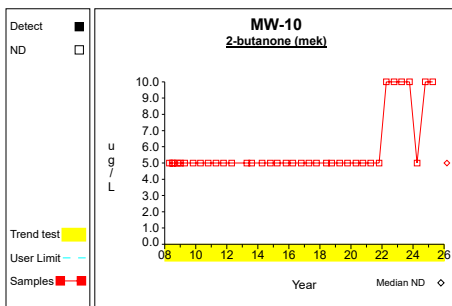
Graph 43



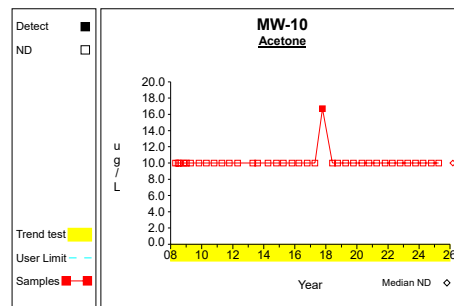
Graph 44



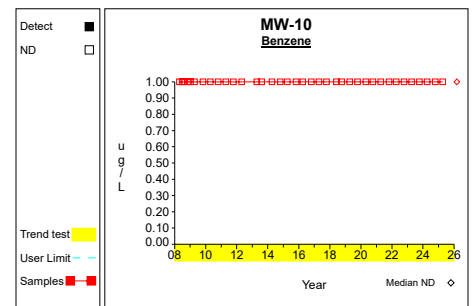
Graph 45



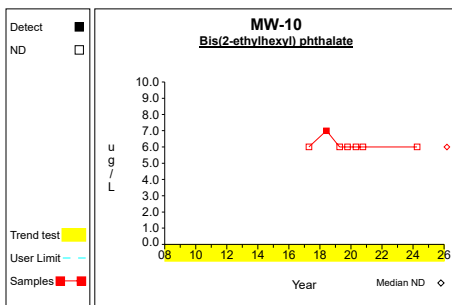
Graph 46



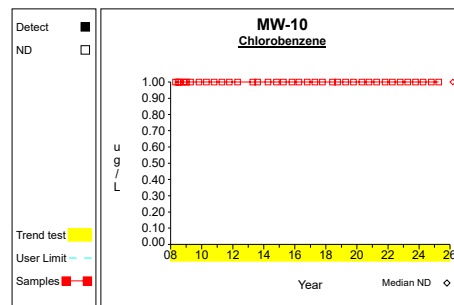
Graph 47



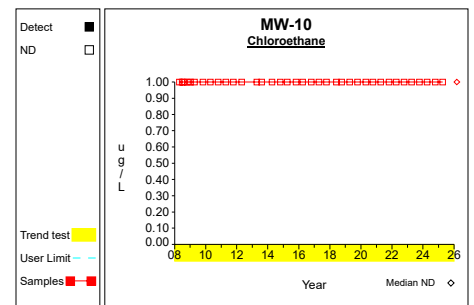
Graph 48



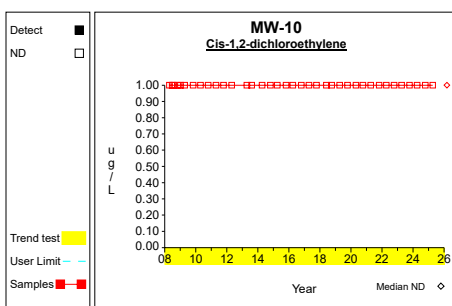
Graph 49



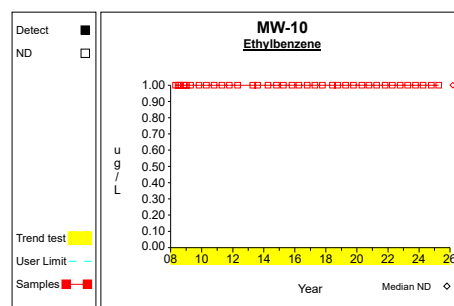
Graph 50



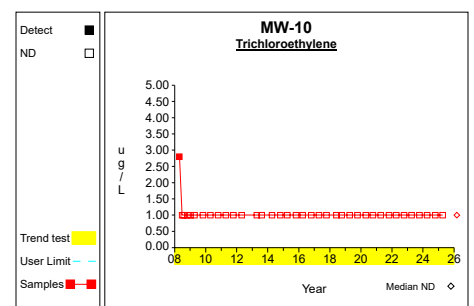
Graph 51



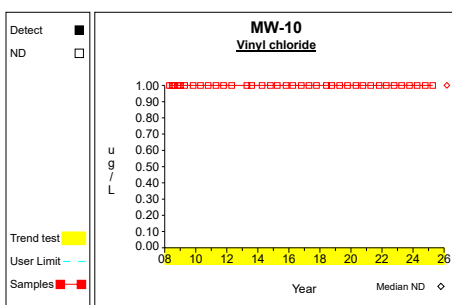
Graph 52



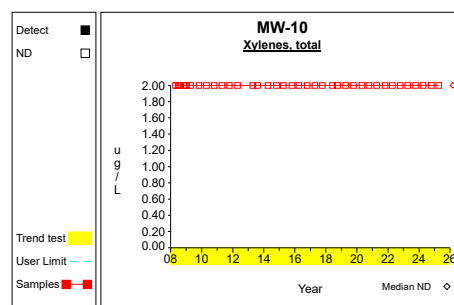
Graph 53



Graph 54

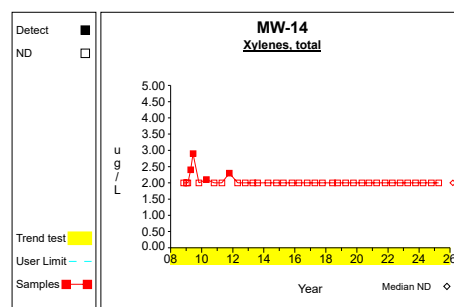
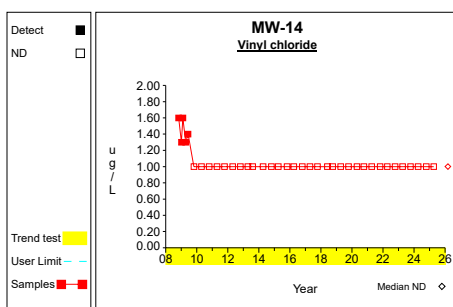
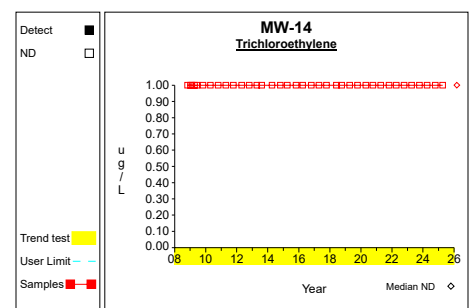
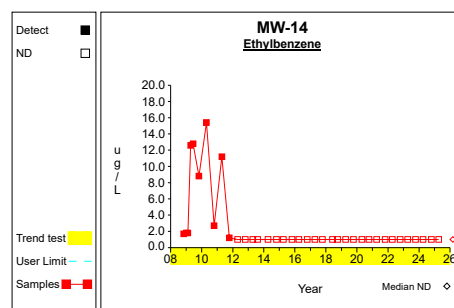
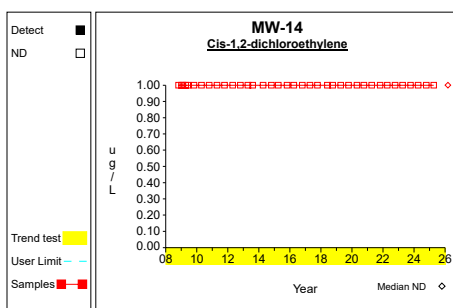
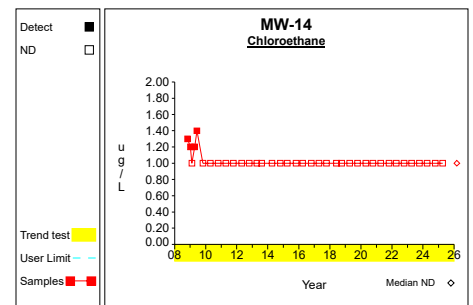
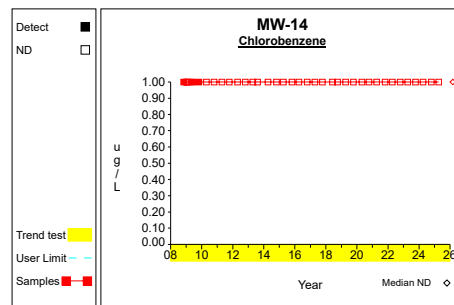
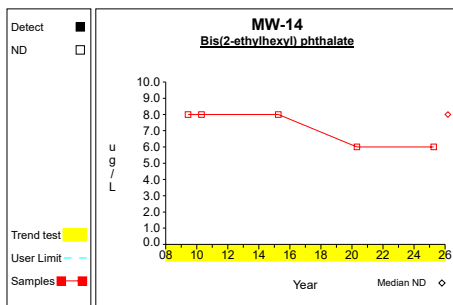
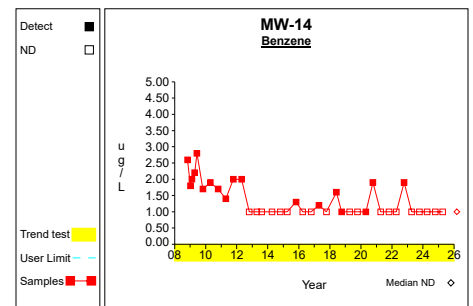
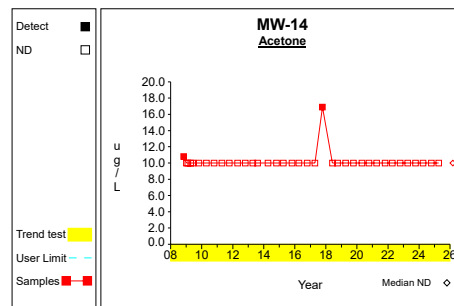
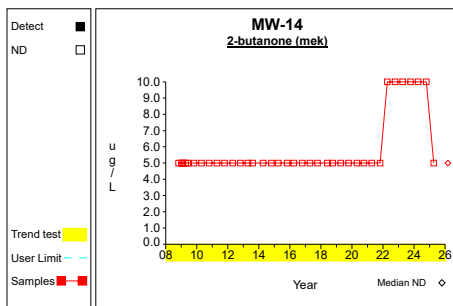
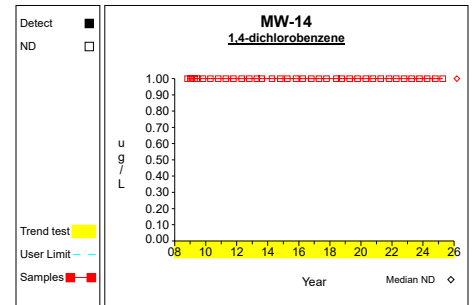
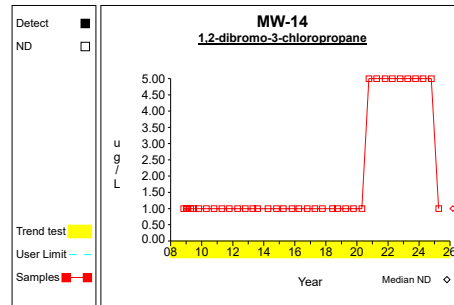
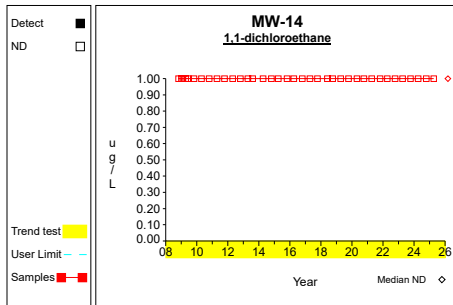


Graph 55

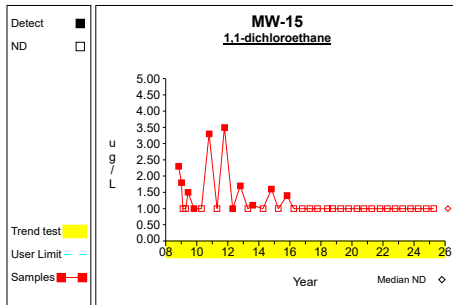


Graph 56

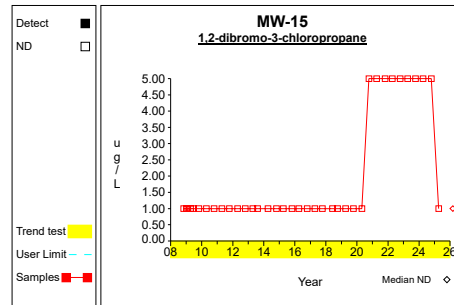
Time Series



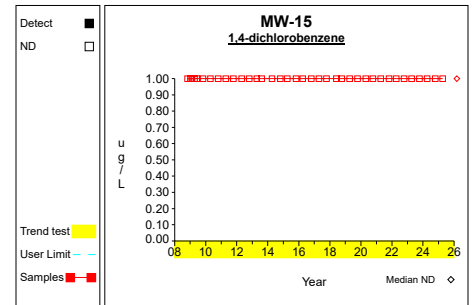
Time Series



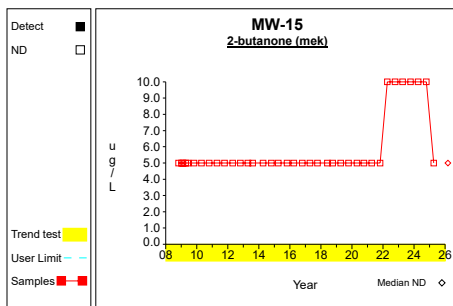
Graph 71



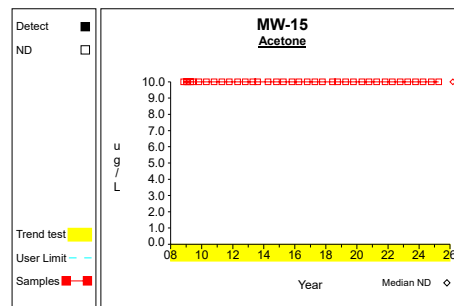
Graph 72



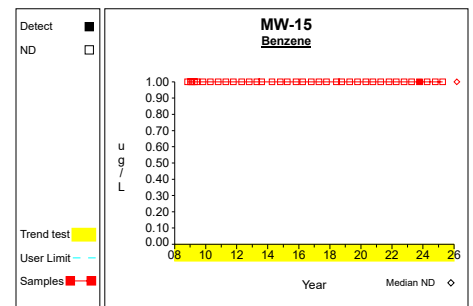
Graph 73



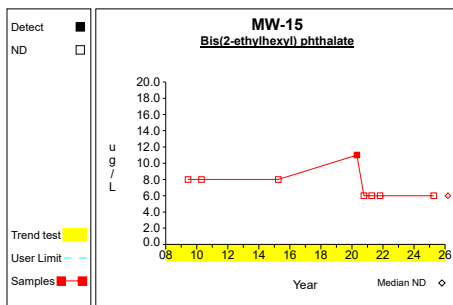
Graph 74



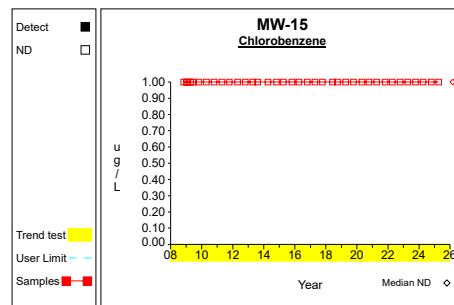
Graph 75



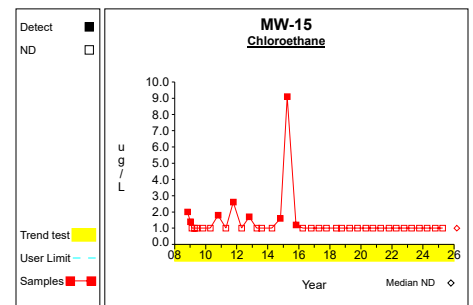
Graph 76



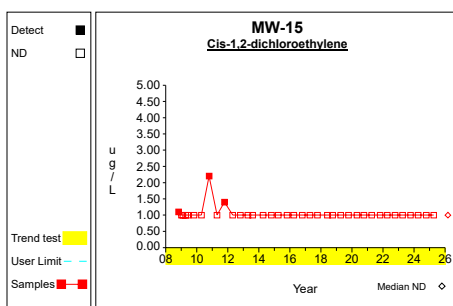
Graph 77



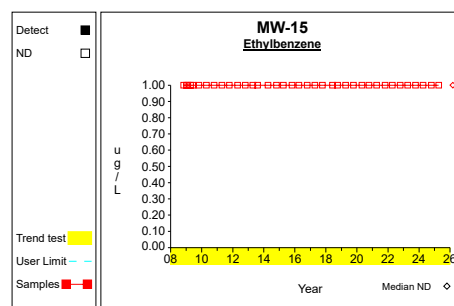
Graph 78



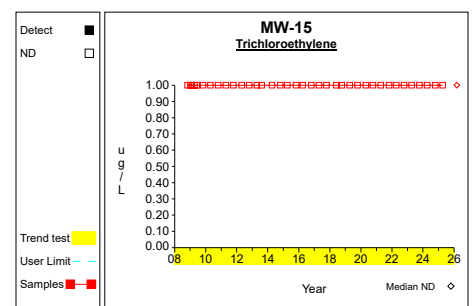
Graph 79



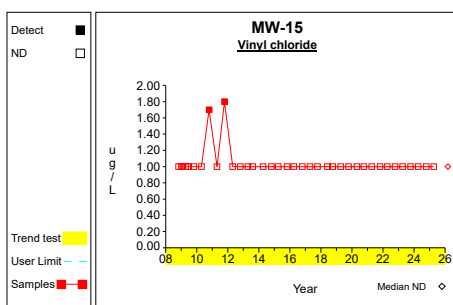
Graph 80



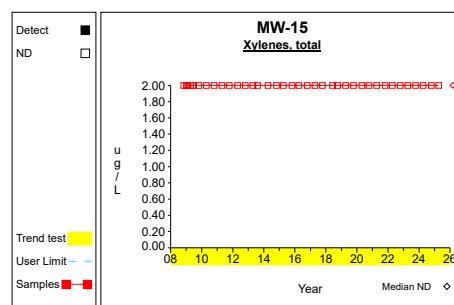
Graph 81



Graph 82

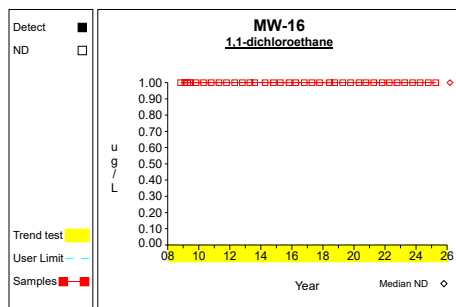


Graph 83

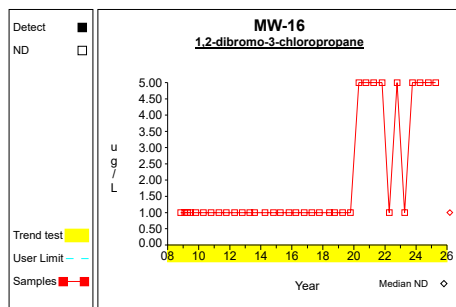


Graph 84

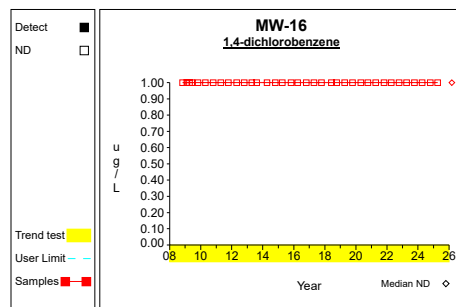
Time Series



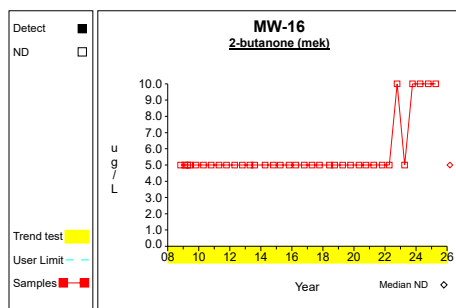
Graph 85



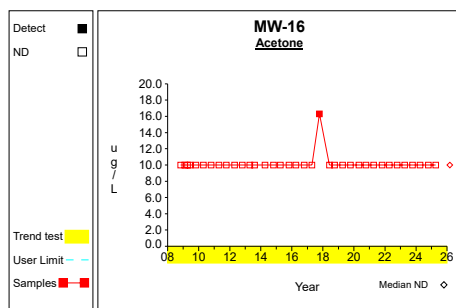
Graph 86



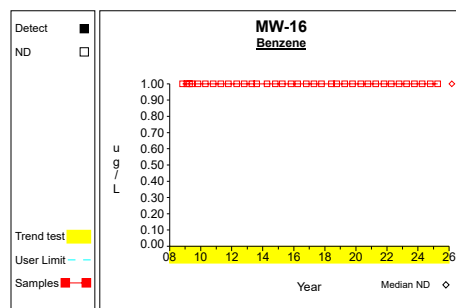
Graph 87



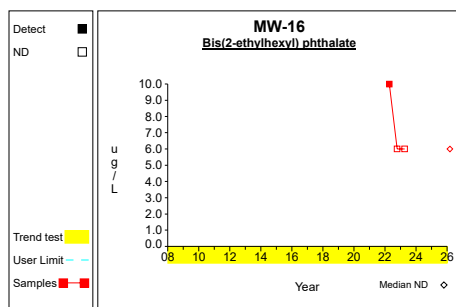
Graph 88



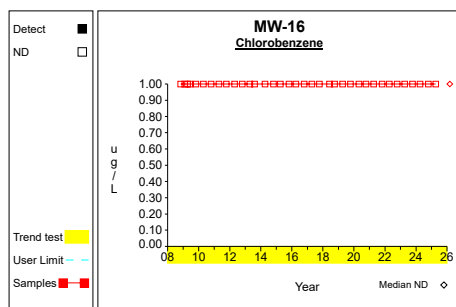
Graph 89



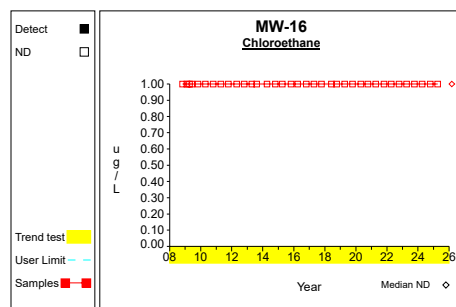
Graph 90



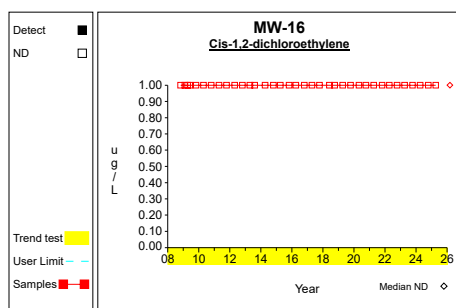
Graph 91



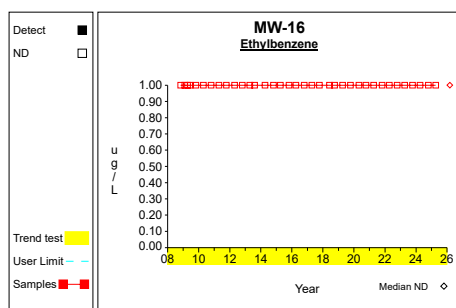
Graph 92



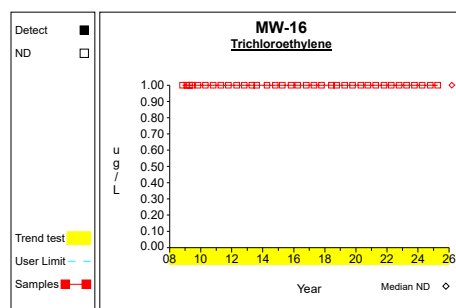
Graph 93



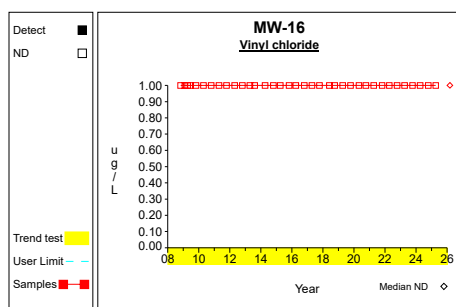
Graph 94



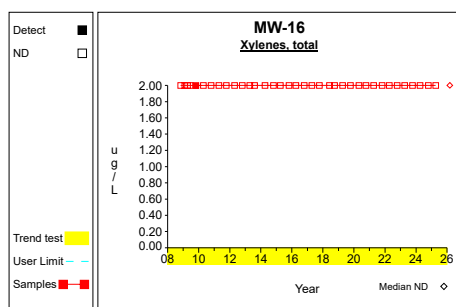
Graph 95



Graph 96

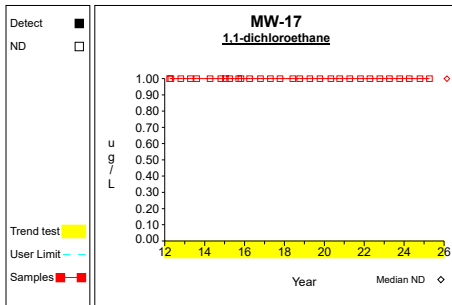


Graph 97

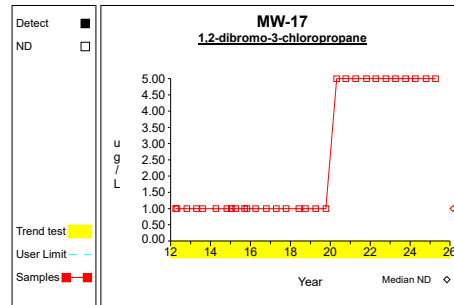


Graph 98

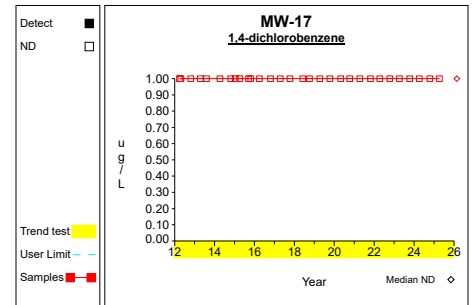
Time Series



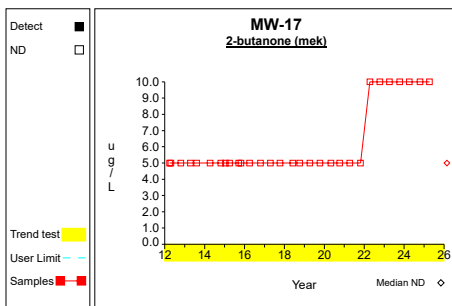
Graph 99



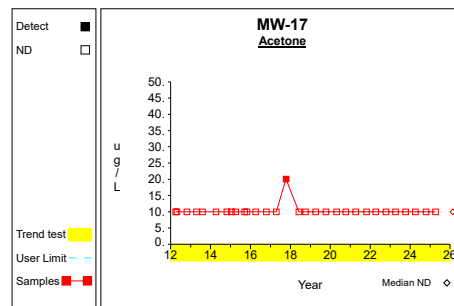
Graph 100



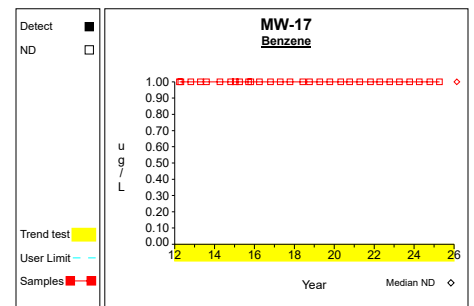
Graph 101



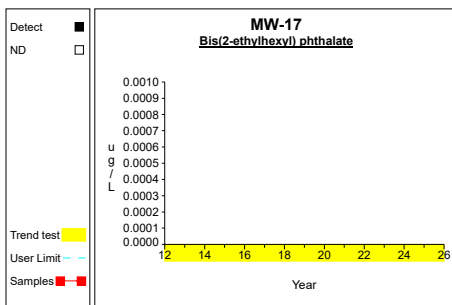
Graph 102



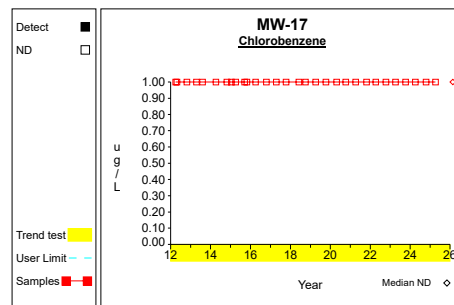
Graph 103



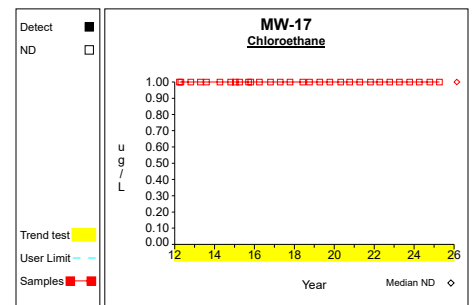
Graph 104



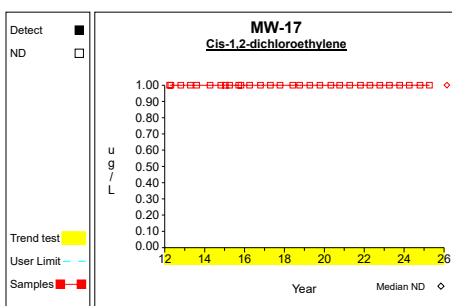
Graph 105



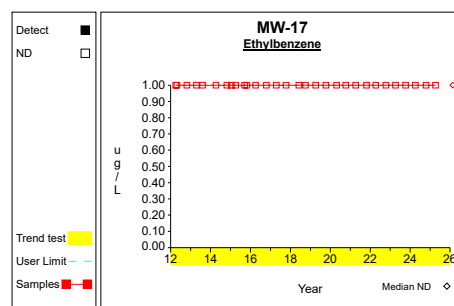
Graph 106



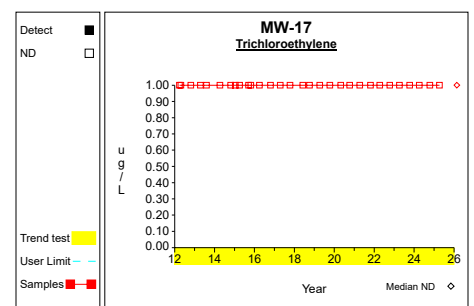
Graph 107



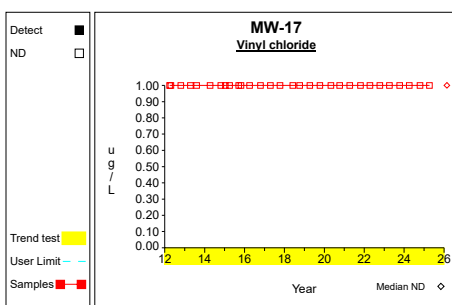
Graph 108



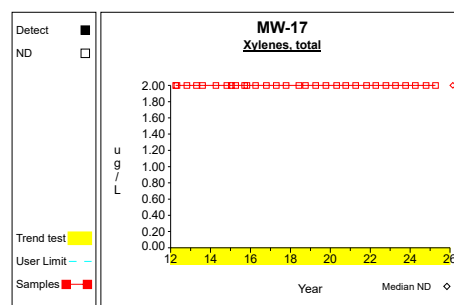
Graph 109



Graph 110

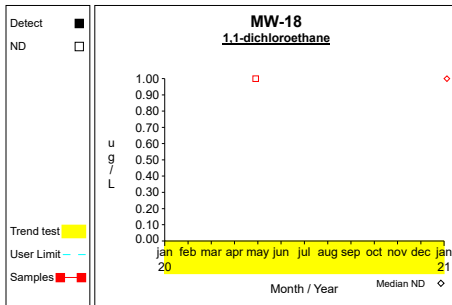


Graph 111

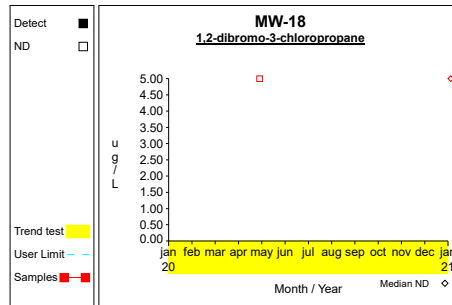


Graph 112

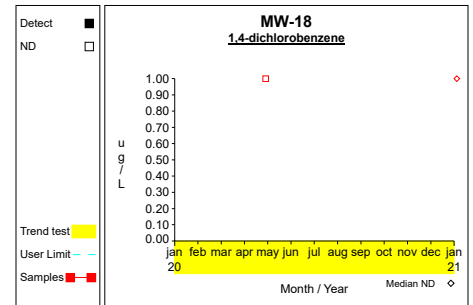
Time Series



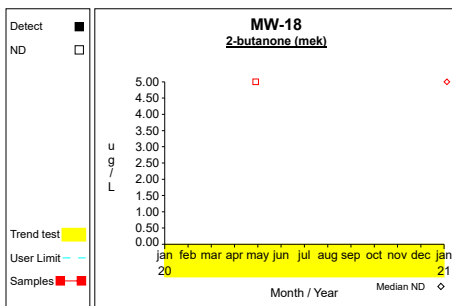
Graph 113



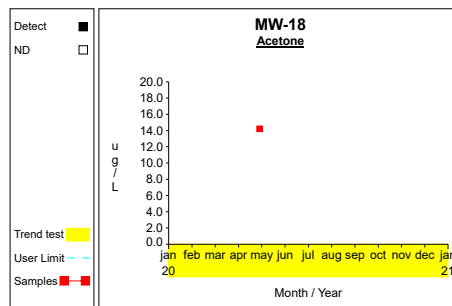
Graph 114



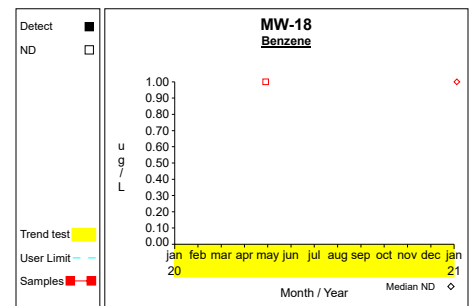
Graph 115



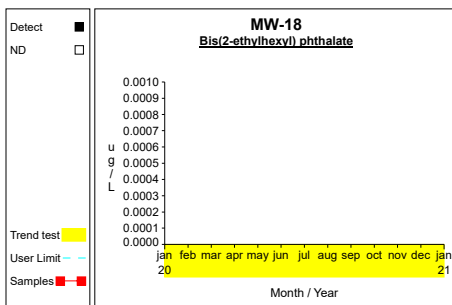
Graph 116



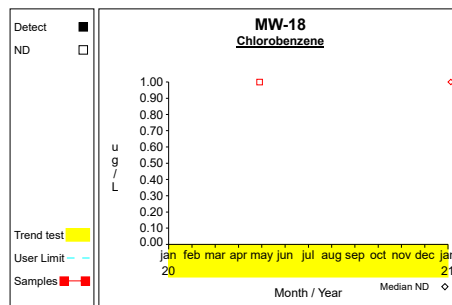
Graph 117



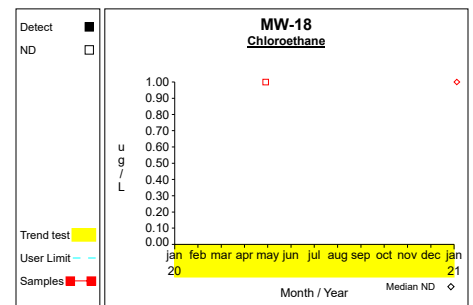
Graph 118



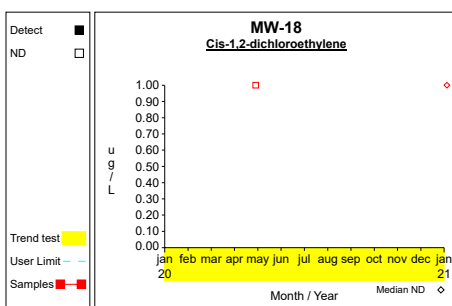
Graph 119



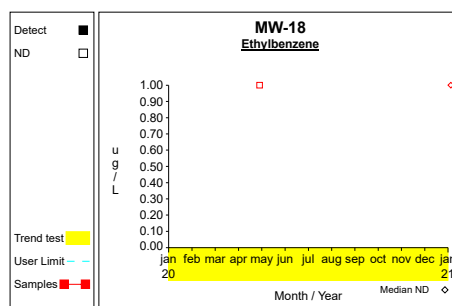
Graph 120



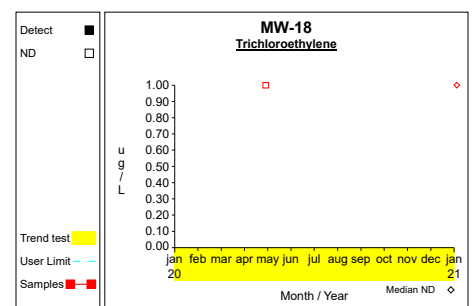
Graph 121



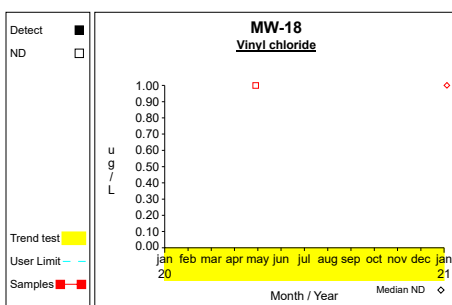
Graph 122



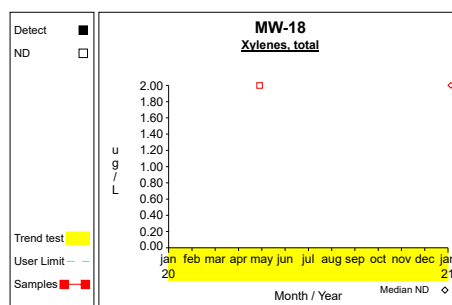
Graph 123



Graph 124

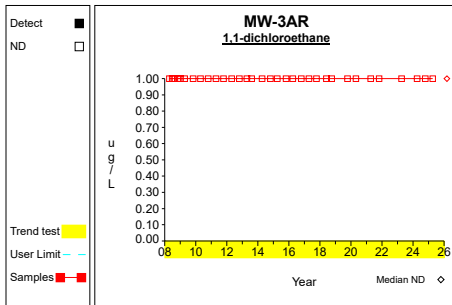


Graph 125

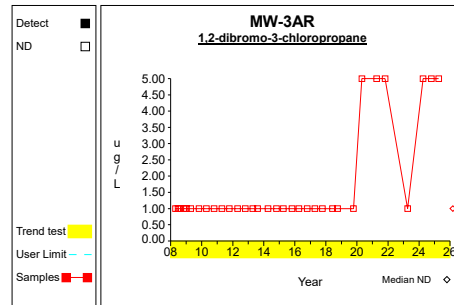


Graph 126

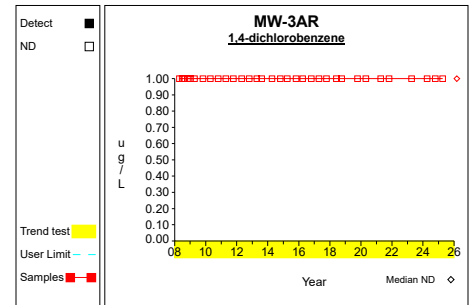
Time Series



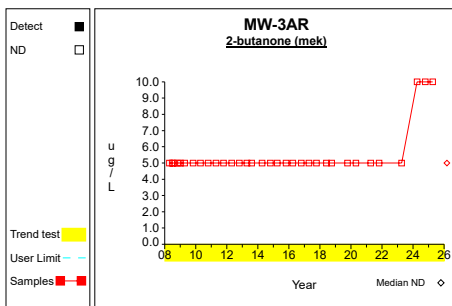
Graph 127



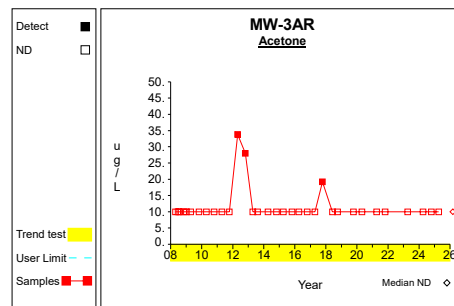
Graph 128



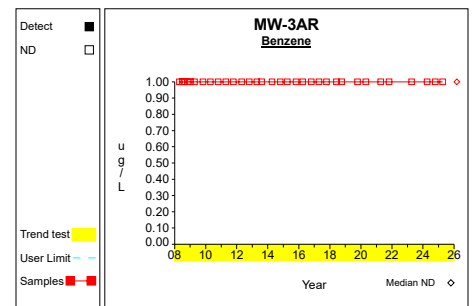
Graph 129



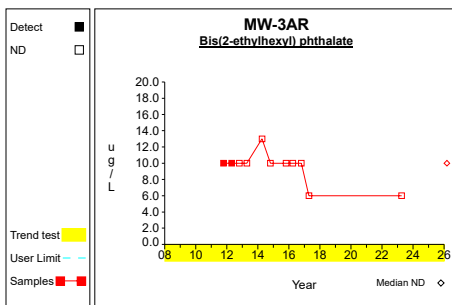
Graph 130



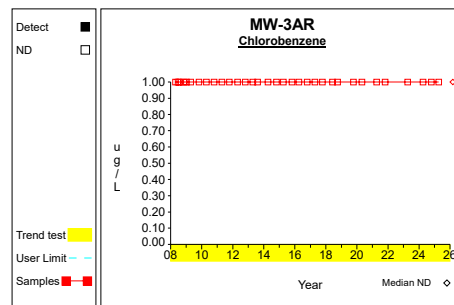
Graph 131



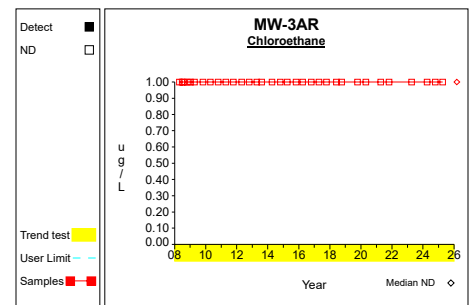
Graph 132



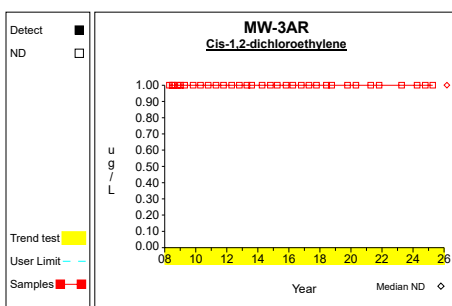
Graph 133



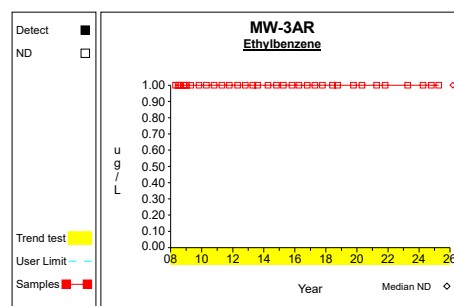
Graph 134



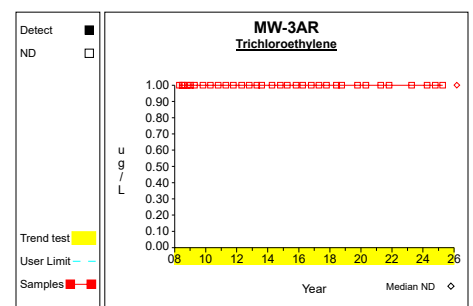
Graph 135



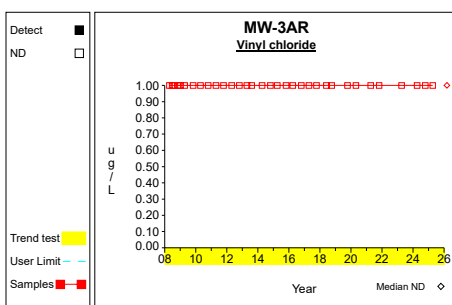
Graph 136



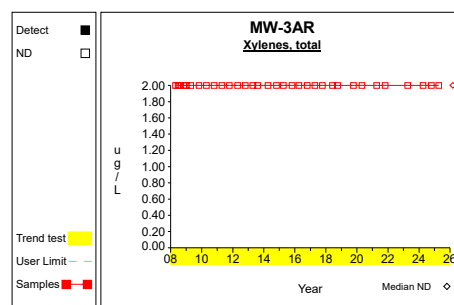
Graph 137



Graph 138

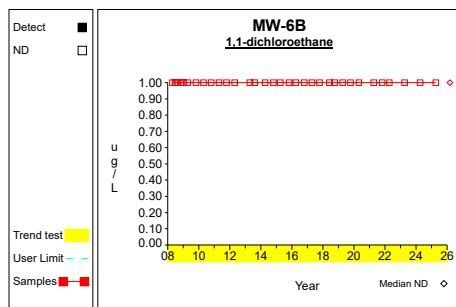


Graph 139

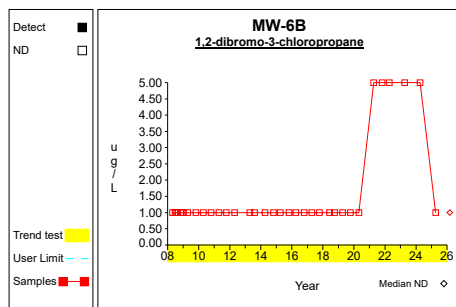


Graph 140

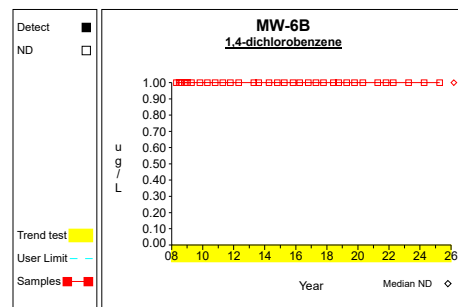
Time Series



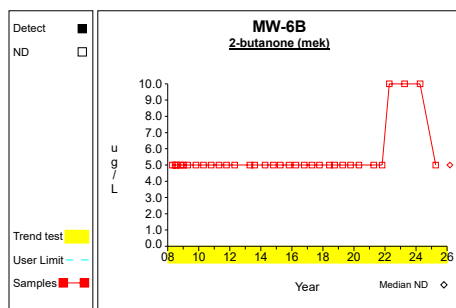
Graph 141



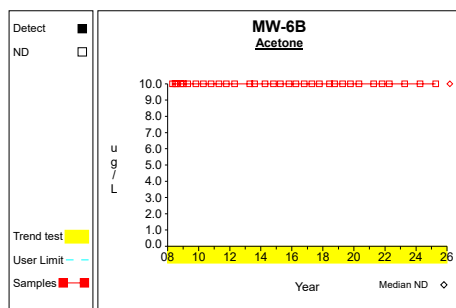
Graph 142



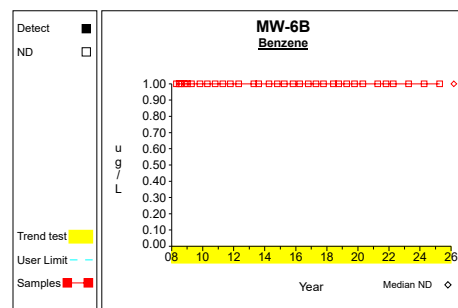
Graph 143



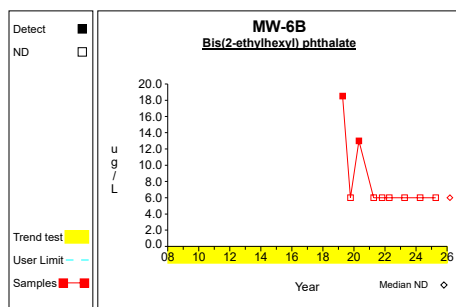
Graph 144



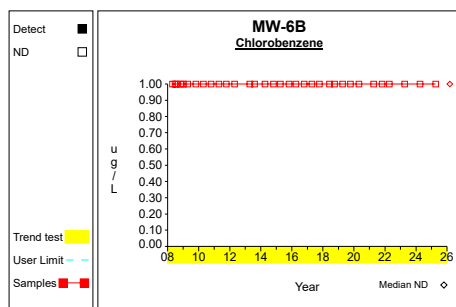
Graph 145



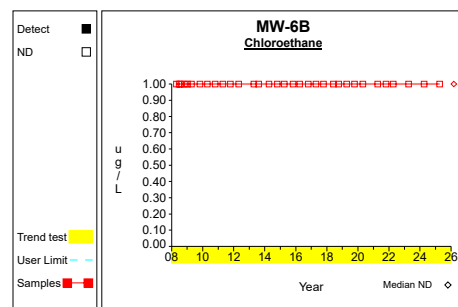
Graph 146



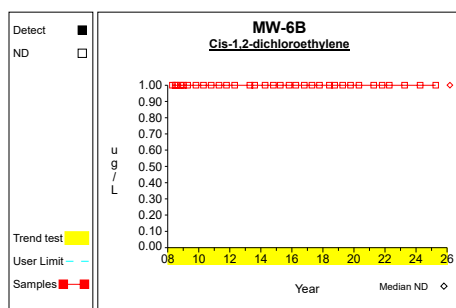
Graph 147



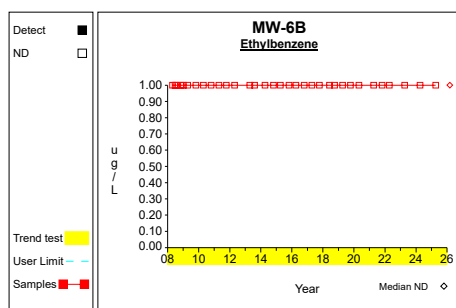
Graph 148



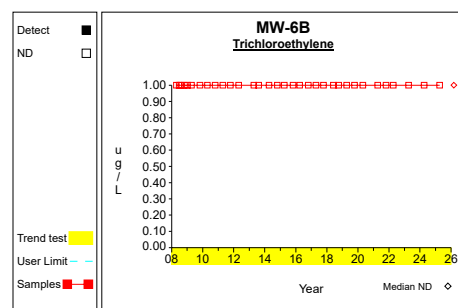
Graph 149



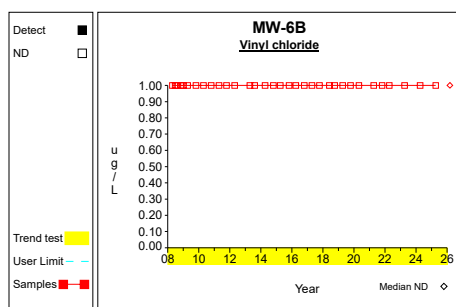
Graph 150



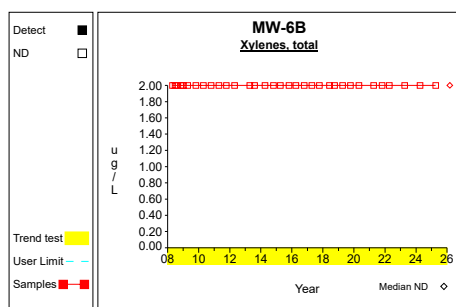
Graph 151



Graph 152

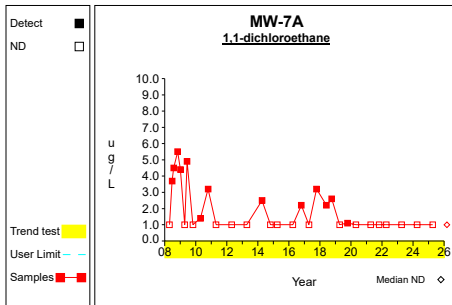


Graph 153

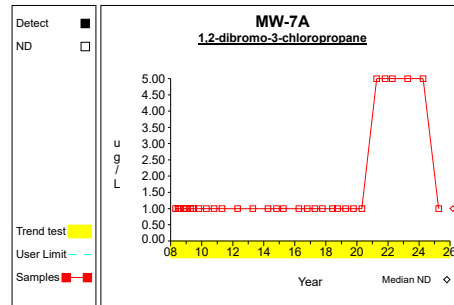


Graph 154

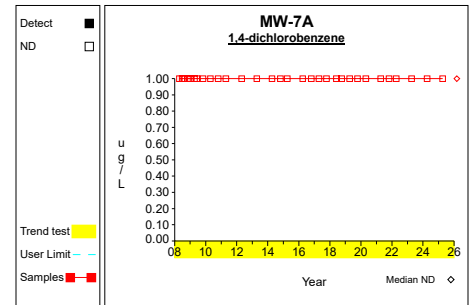
Time Series



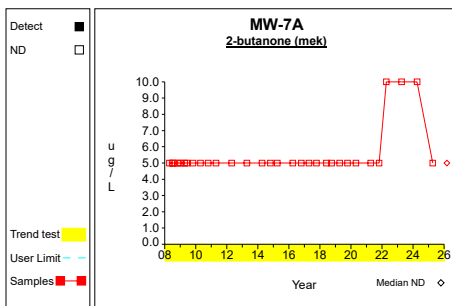
Graph 155



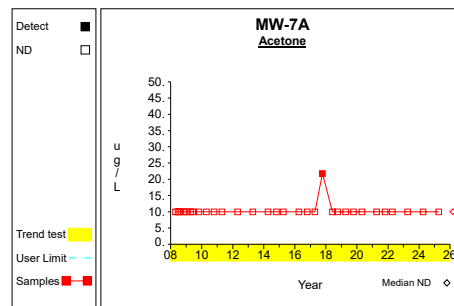
Graph 156



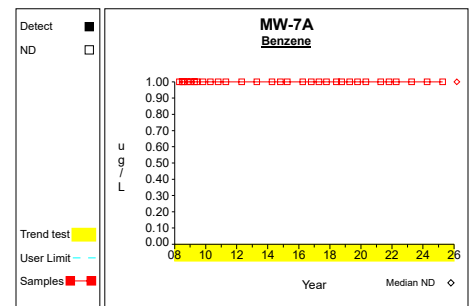
Graph 157



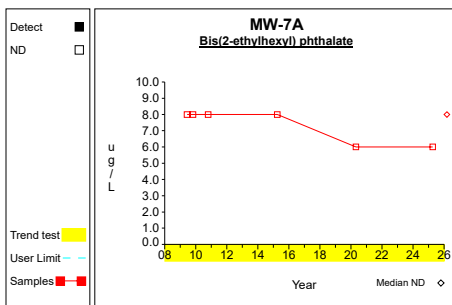
Graph 158



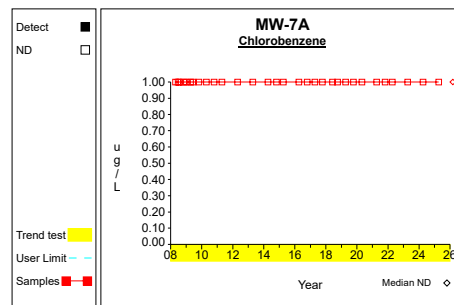
Graph 159



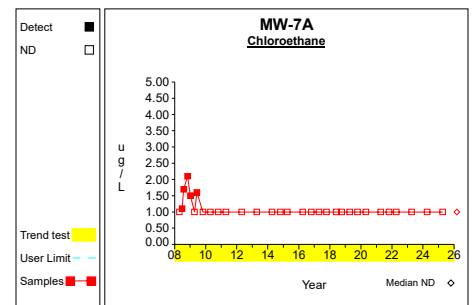
Graph 160



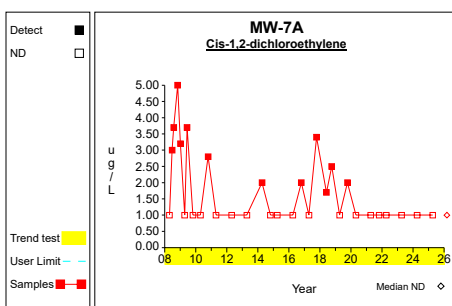
Graph 161



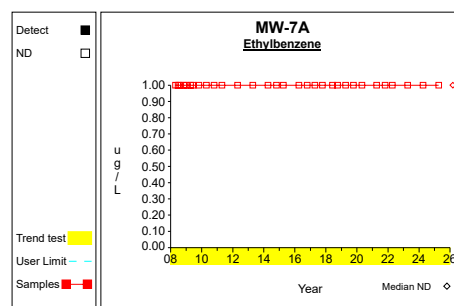
Graph 162



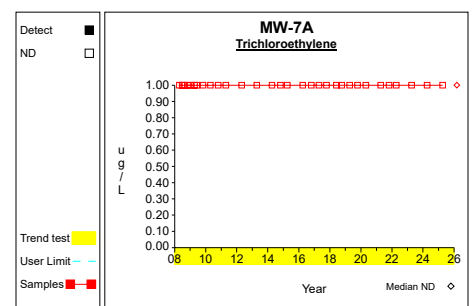
Graph 163



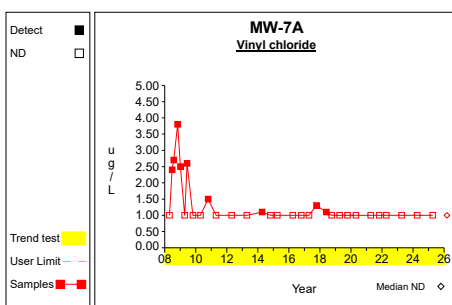
Graph 164



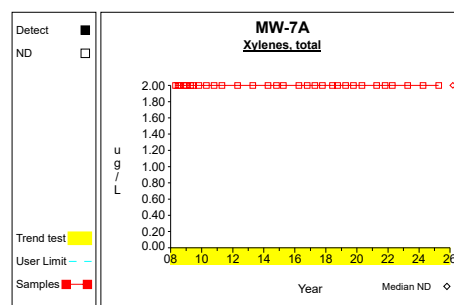
Graph 165



Graph 166

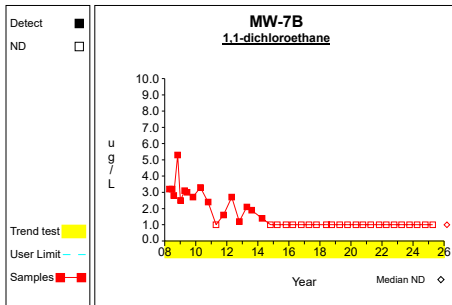


Graph 167

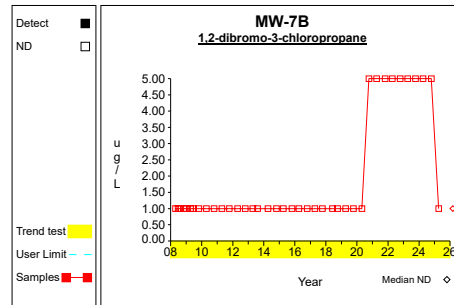


Graph 168

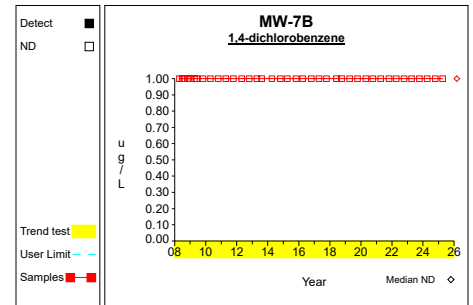
Time Series



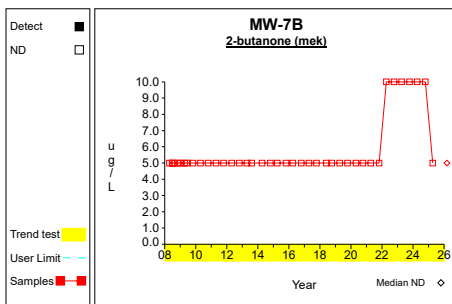
Graph 169



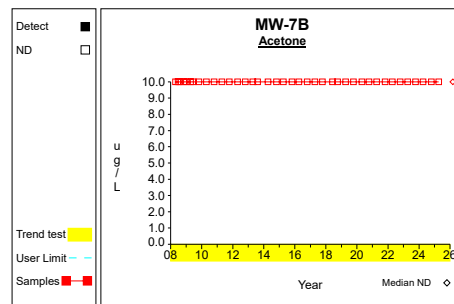
Graph 170



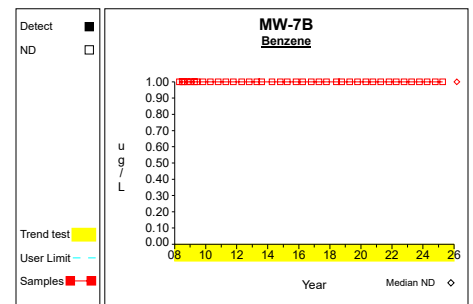
Graph 171



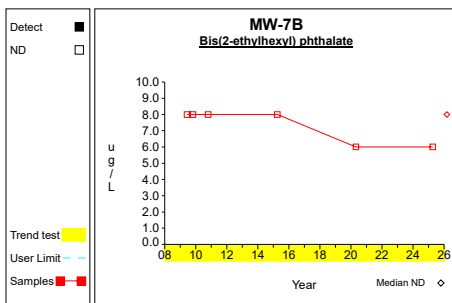
Graph 172



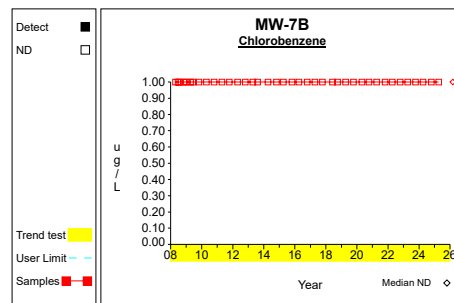
Graph 173



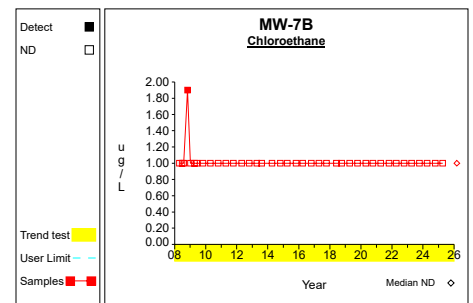
Graph 174



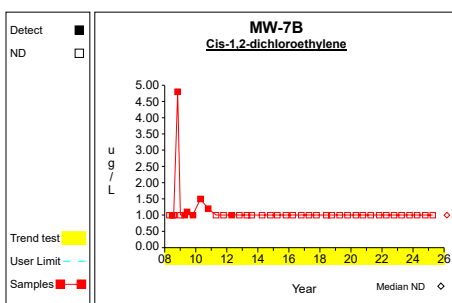
Graph 175



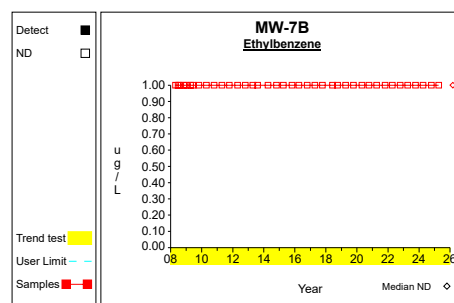
Graph 176



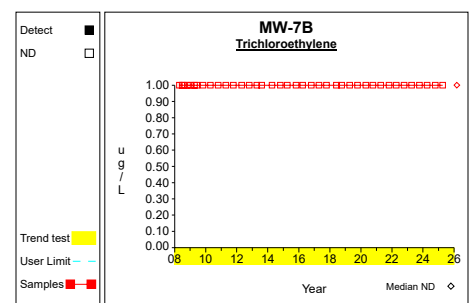
Graph 177



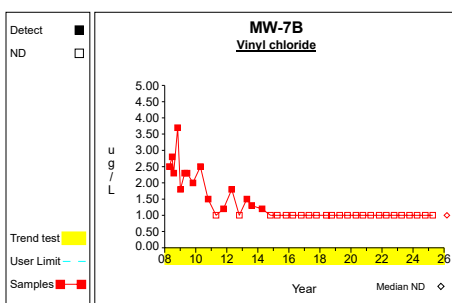
Graph 178



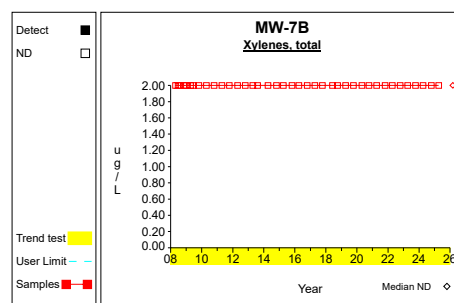
Graph 179



Graph 180

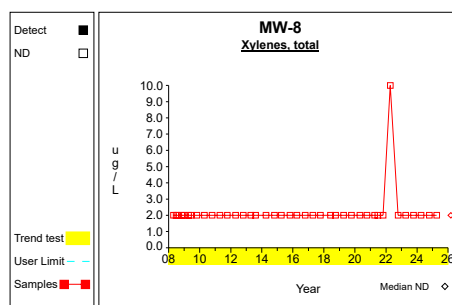
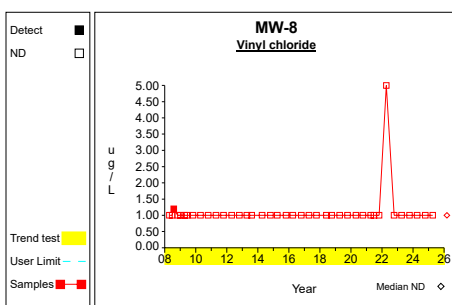
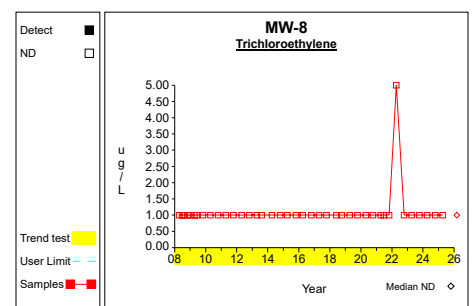
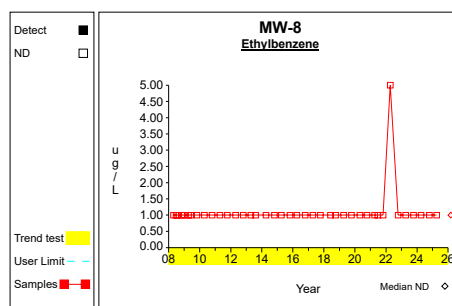
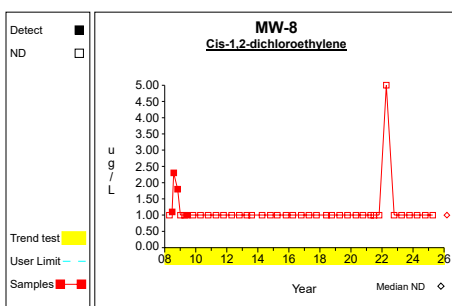
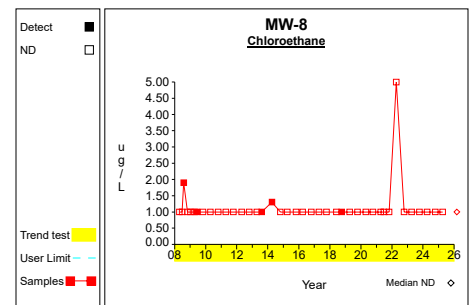
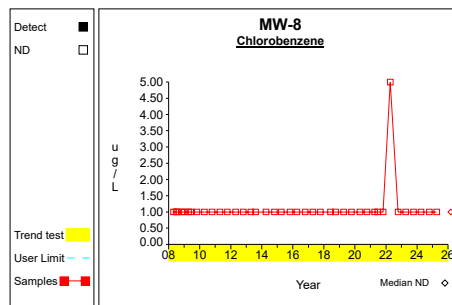
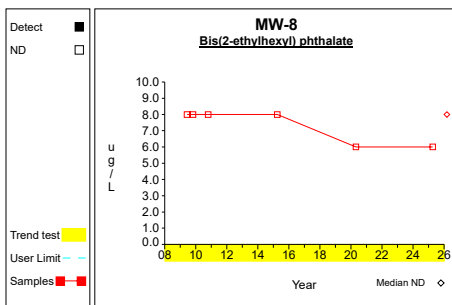
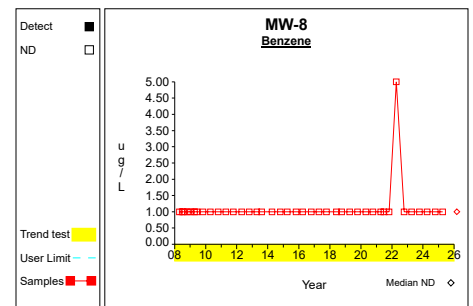
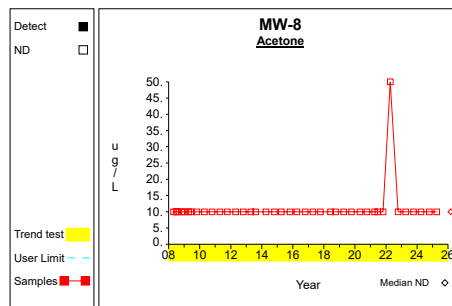
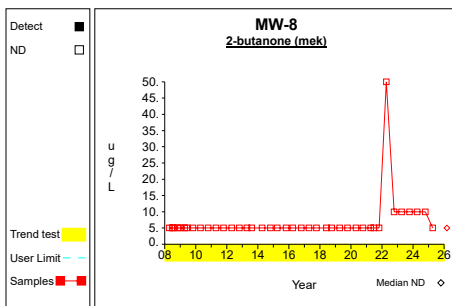
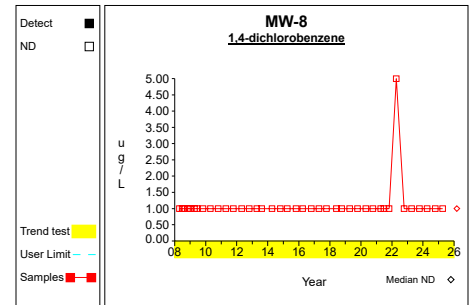
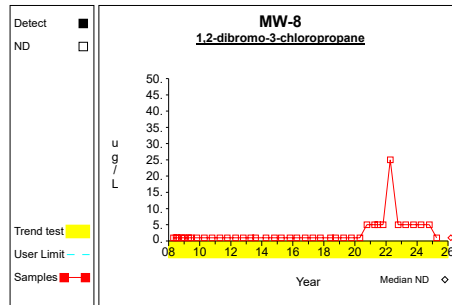
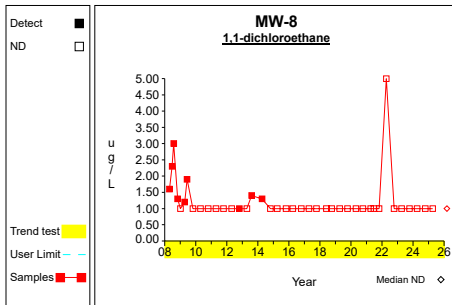


Graph 181

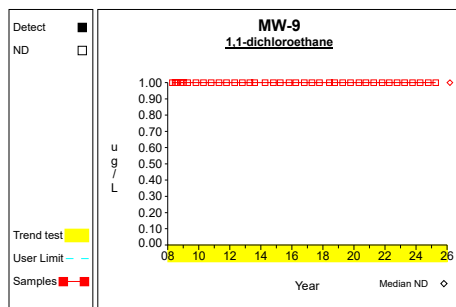


Graph 182

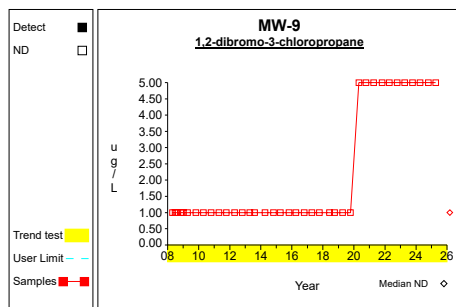
Time Series



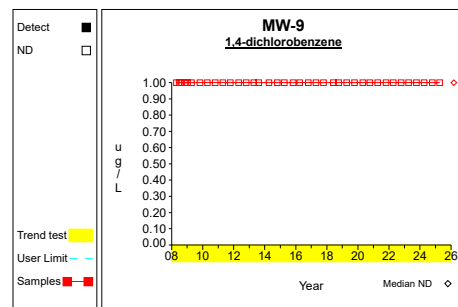
Time Series



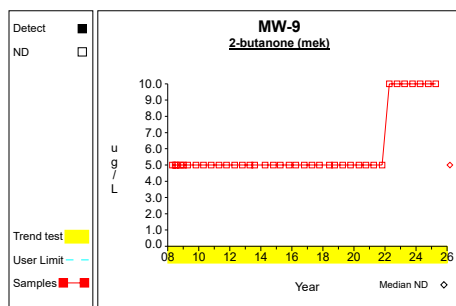
Graph 197



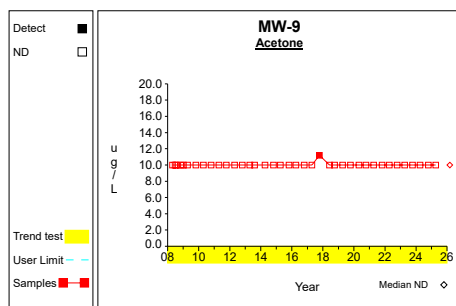
Graph 198



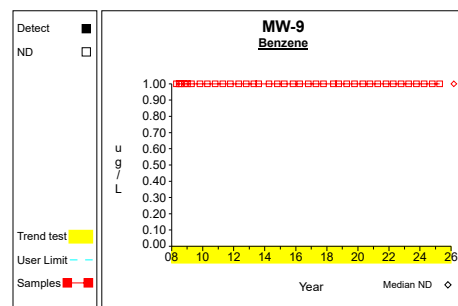
Graph 199



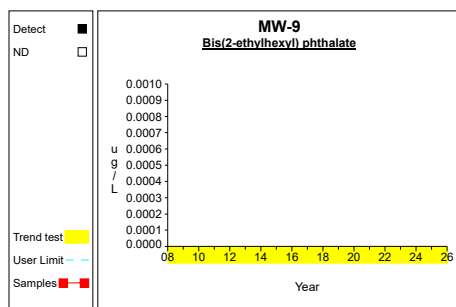
Graph 200



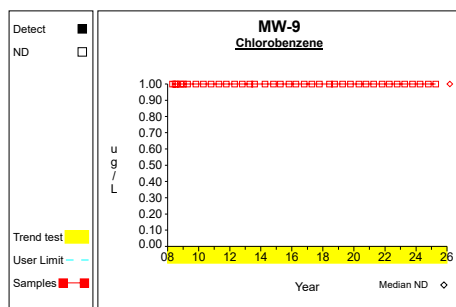
Graph 201



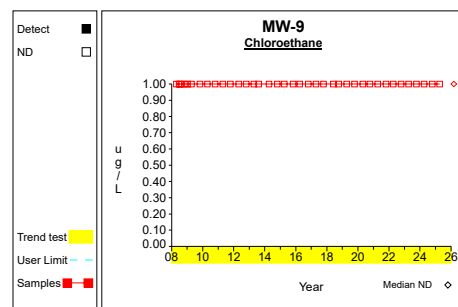
Graph 202



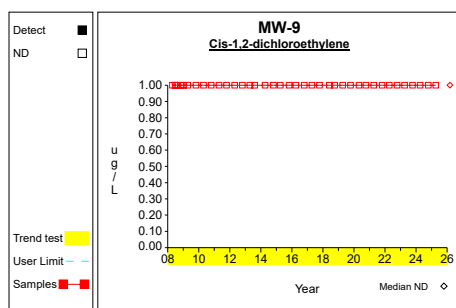
Graph 203



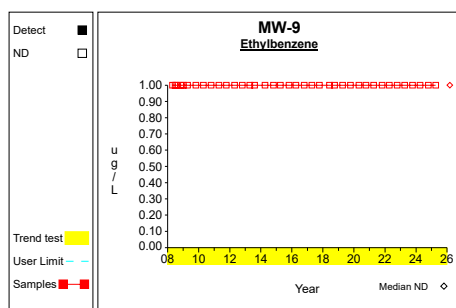
Graph 204



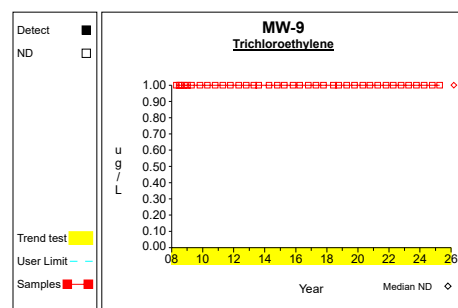
Graph 205



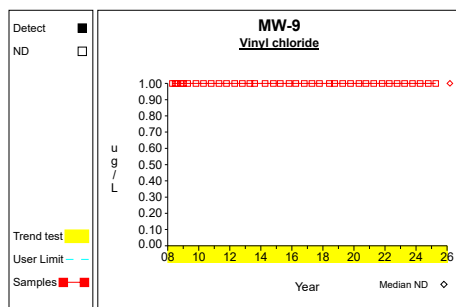
Graph 206



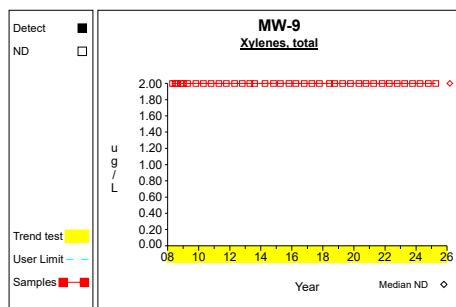
Graph 207



Graph 208



Graph 209



Graph 210

Attachment E

Assessment Statistics for VOC Detections

Attachment F

Summary Tables and Graphs for the Intrawell Comparisons

Table 1

**Summary Statistics and Intermediate Computations
for Combined Shewhart-CUSUM Control Charts**

Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Antimony, total	ug/L	GU-1	13	3	29			2.0000	1.0000			2.0000	nonpar	.99	**
Arsenic, total	ug/L	GU-1	14	3	30	11.8500	6.9369	4.0000	2.0000	11.8500	11.8500	56.9401	normal		
Barium, total	ug/L	GU-1	14	3	30	484.1429	125.0876	438.0000	509.0000	484.1429	484.1429	1297.2121	normal		
Beryllium, total	ug/L	GU-1	13	3	29			4.0000	0.5000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	GU-1	13	3	29			0.8000	0.2000			0.8000	nonpar	.99	**
Chromium, total	ug/L	GU-1	13	3	29			8.0000	1.0000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	GU-1	13	3	29			0.4000	0.5000			2.2000	nonpar	.99	**
Copper, total	ug/L	GU-1	13	3	29			4.0000	5.0000			4.0000	nonpar	.99	**
Lead, total	ug/L	GU-1	13	3	29			4.0000	1.0000			4.0000	nonpar	.99	**
Nickel, total	ug/L	GU-1	14	3	30	11.4429	4.7222	10.3000	9.3000	11.4429	11.4429	42.1374	normal		
Selenium, total	ug/L	GU-1	13	3	29			4.0000	2.0000			4.0000	nonpar	.99	**
Silver, total	ug/L	GU-1	13	3	29			4.0000	5.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	GU-1	13	3	29			2.0000	0.5000			2.0000	nonpar	.99	**
Vanadium, total	ug/L	GU-1	13	3	29			20.0000	2.0000			20.0000	nonpar	.99	**
Zinc, total	ug/L	GU-1	13	3	29			20.0000	5.0000			20.0000	nonpar	.99	**
Antimony, total	ug/L	GU-2	20	3	38			2.0000	1.0000			2.0000	nonpar	.99	**
Arsenic, total	ug/L	GU-2	20	3	38	177.1500	76.5680	6.3000	2.0000	192.5740	180.9980	8.0000	nonpar	.99	**
Barium, total	ug/L	GU-2	20	3	38			250.0000	223.0000			674.8421	normal		
Beryllium, total	ug/L	GU-2	20	3	38			4.0000	0.5000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	GU-2	20	3	38			0.8000	0.2000			0.8000	nonpar	.99	**
Chromium, total	ug/L	GU-2	20	3	38			8.0000	1.0000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	GU-2	18	3	38			0.9000	0.5000			0.8000	nonpar	.99	**
Copper, total	ug/L	GU-2	20	3	40			4.0000	5.0000			7.4000	nonpar	.99	**
Lead, total	ug/L	GU-2	21	3	39			4.0000	1.0000			4.9000	nonpar	.99	**
Nickel, total	ug/L	GU-2	20	3	38	4.5350	1.2214	5.4000	5.0000	6.5329	4.5350	12.4742	normal		
Selenium, total	ug/L	GU-2	21	3	40			4.0000	2.0000			7.2000	nonpar	.99	**
Silver, total	ug/L	GU-2	20	3	38			4.0000	5.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	GU-2	20	3	37			2.0000	0.5000			2.0000	nonpar	.99	**
Vanadium, total	ug/L	GU-2	20	3	38			20.0000	2.0000			20.0000	nonpar	.99	**
Zinc, total	ug/L	GU-2	22	3	40	26.1045	16.5760	20.0000	21.1000	26.1045	26.1045	133.8486	normal		

N(back) and N(mon) = Non-outlier measurements in the background and monitoring periods.

N(tot) = All independent measurements for that constituent and well.

For transformed data, mean and SD in transformed units and control limit in original units.

Conf = confidence level for passing initial test or one verification resample (nonparametric test only).

* - Insufficient Data.

** - Detection Frequency < 25%.

*** - Zero Variance.

Table 4

**Dixon's Test Outliers
1% Significance Level**

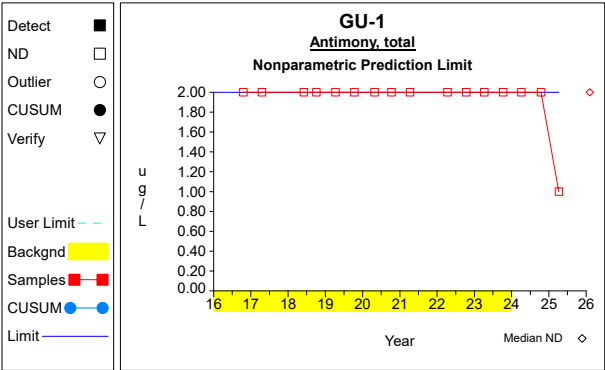
Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Cobalt, total	ug/L	GU-2	04/07/2014	4.0000	< 4.0000	04/07/2014-10/09/2023	20	0.5503
Cobalt, total	ug/L	GU-2	10/12/2022	2.6000		04/07/2014-10/09/2023	20	0.5503
Copper, total	ug/L	GU-2	10/03/2018	22.7000		04/07/2014-10/09/2023	22	0.5263
Copper, total	ug/L	GU-2	10/12/2022	19.0000		04/07/2014-10/09/2023	22	0.5263
Selenium, total	ug/L	GU-2	04/07/2014	34.3000		04/07/2014-10/09/2023	22	0.5162

N = Total number of independent measurements in background at each well.

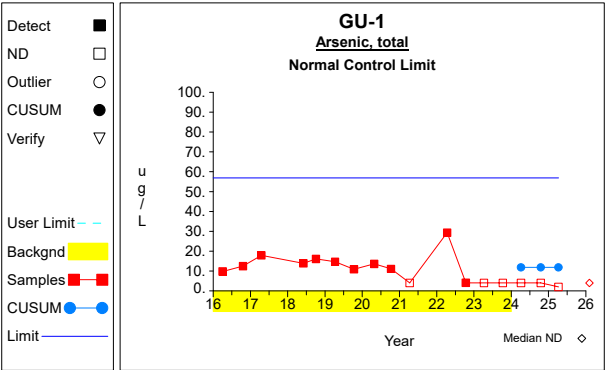
Date Range = Dates of the first and last measurements included in background at each well.

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.

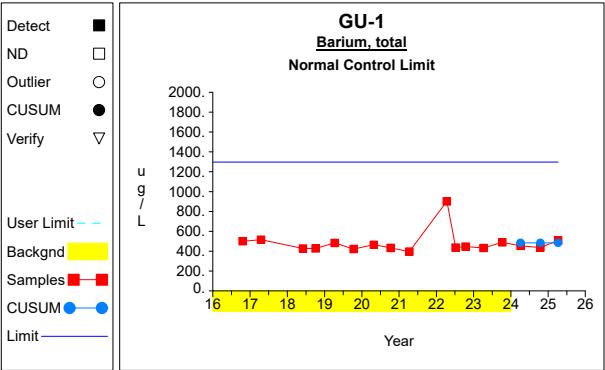
Intra-Well Control Charts / Prediction Limits



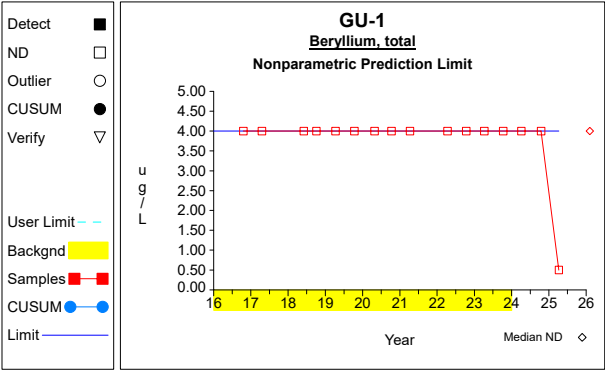
Graph 1



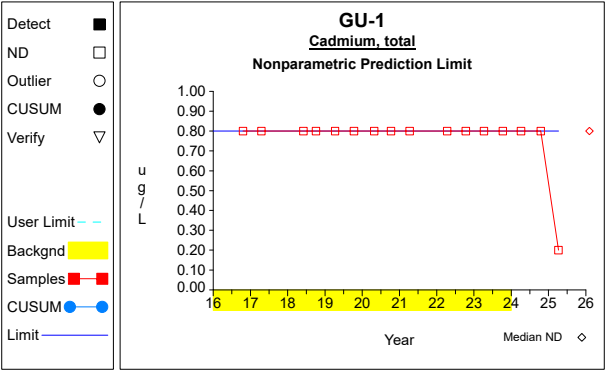
Graph 2



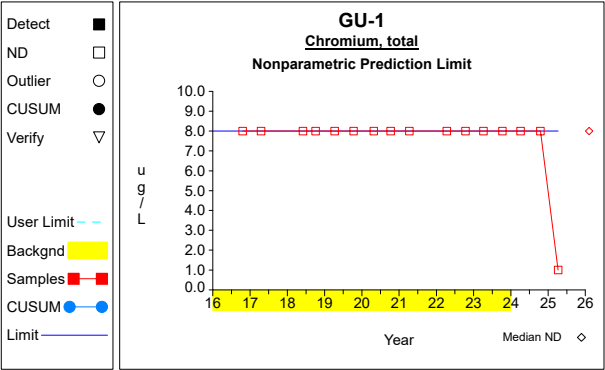
Graph 3



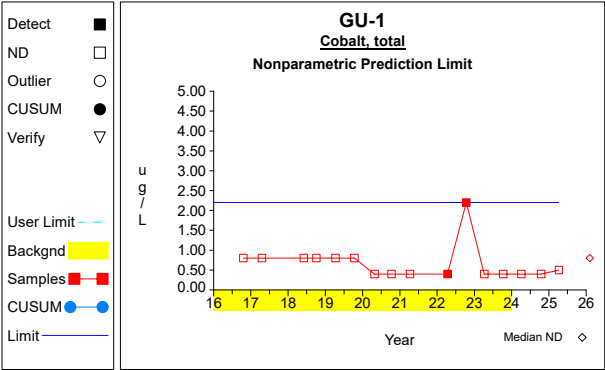
Graph 4



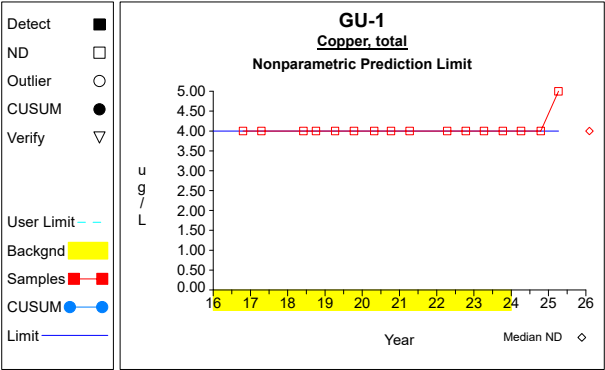
Graph 5



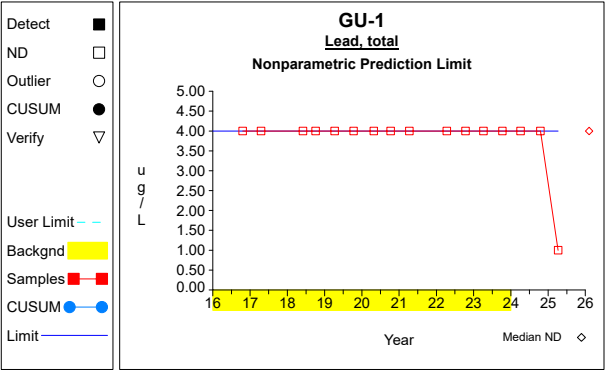
Graph 6



Graph 7

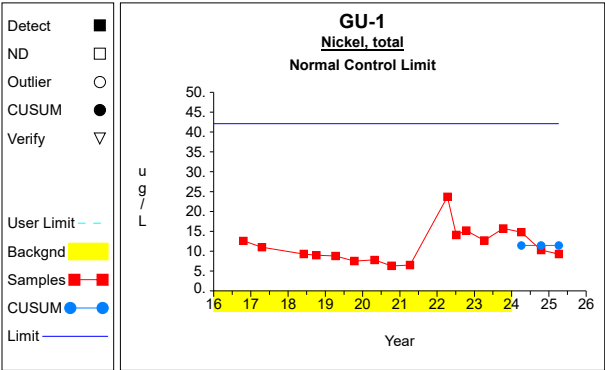


Graph 8

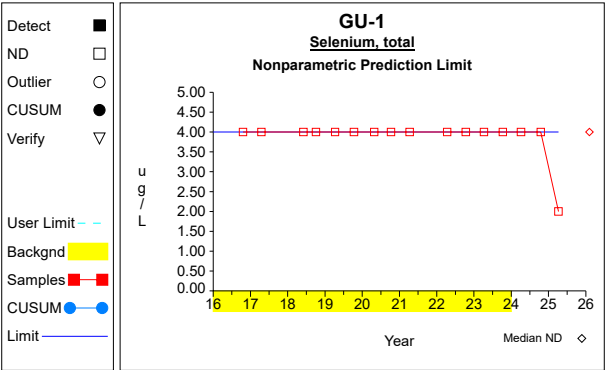


Graph 9

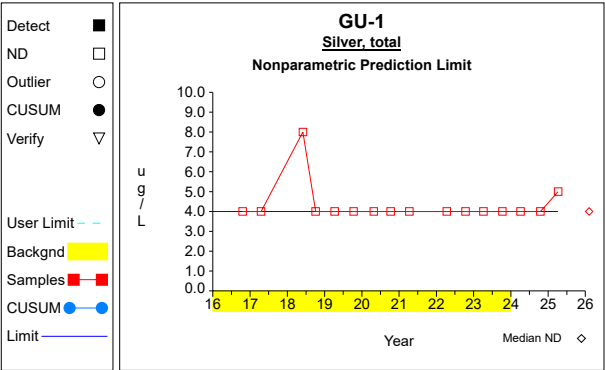
Intra-Well Control Charts / Prediction Limits



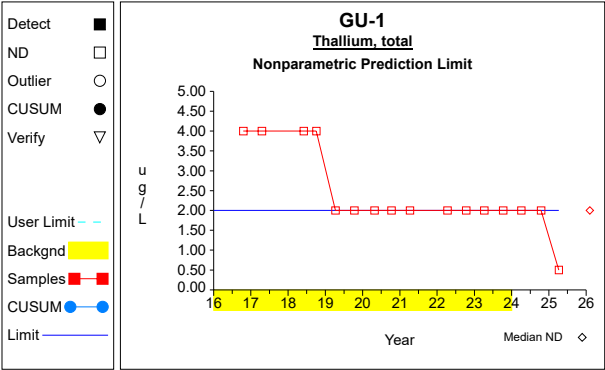
Graph 10



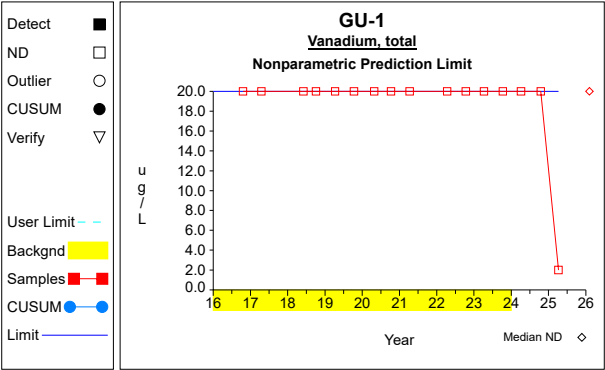
Graph 11



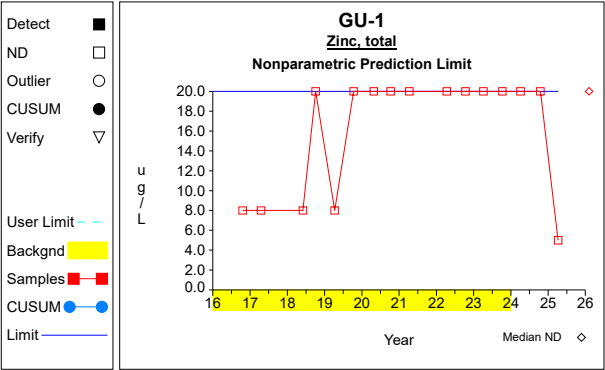
Graph 12



Graph 13

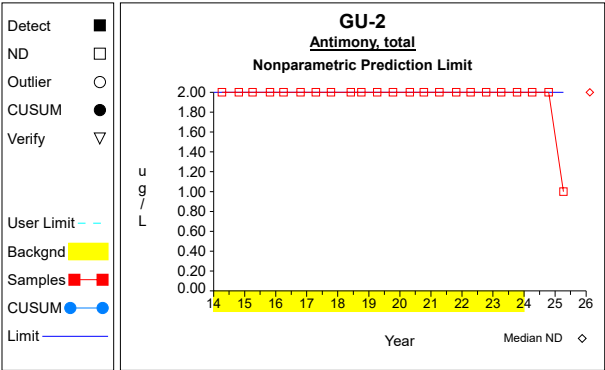


Graph 14

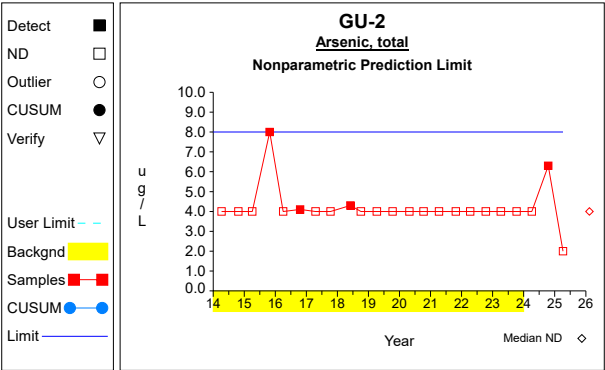


Graph 15

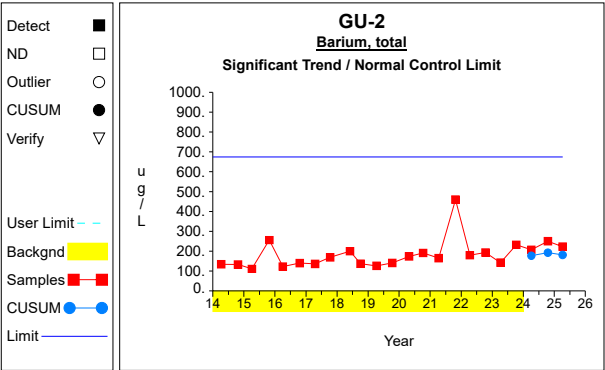
Intra-Well Control Charts / Prediction Limits



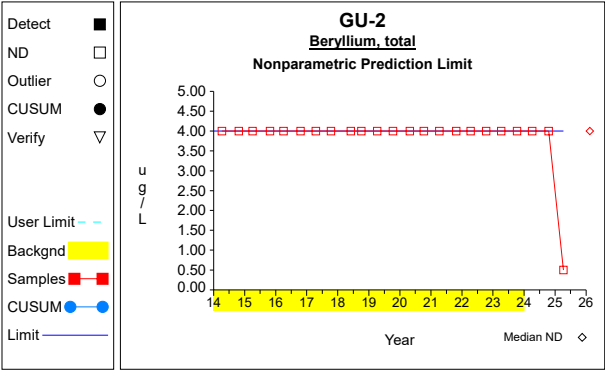
Graph 16



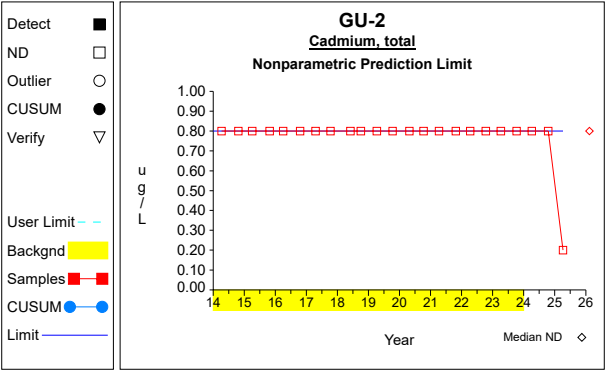
Graph 17



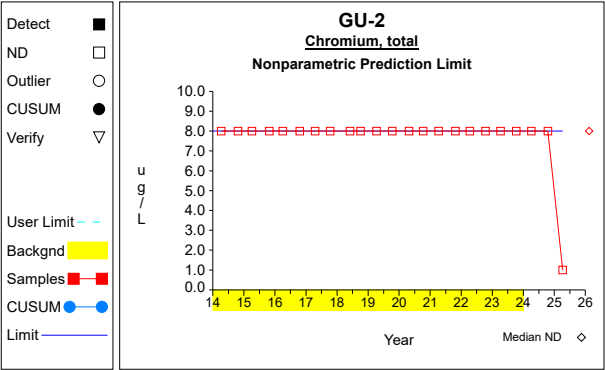
Graph 18



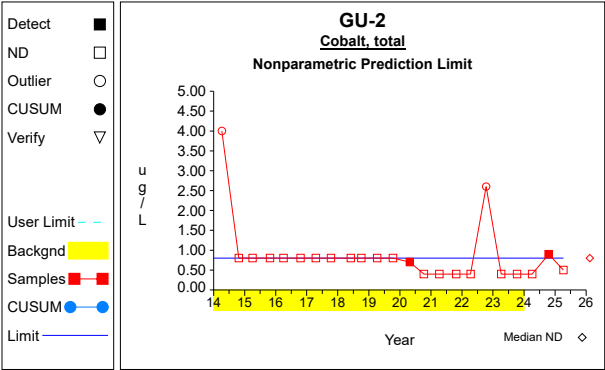
Graph 19



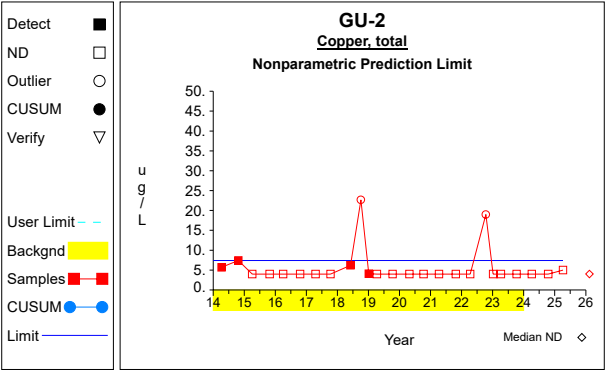
Graph 20



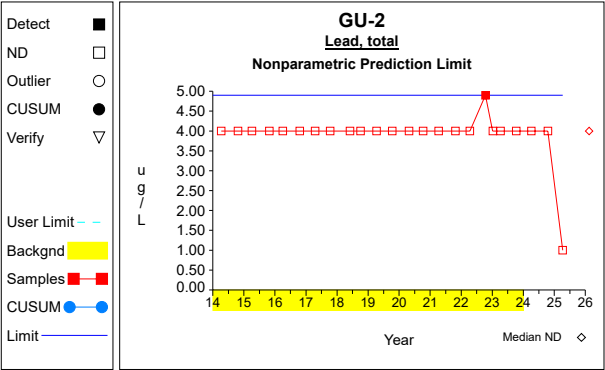
Graph 21



Graph 22

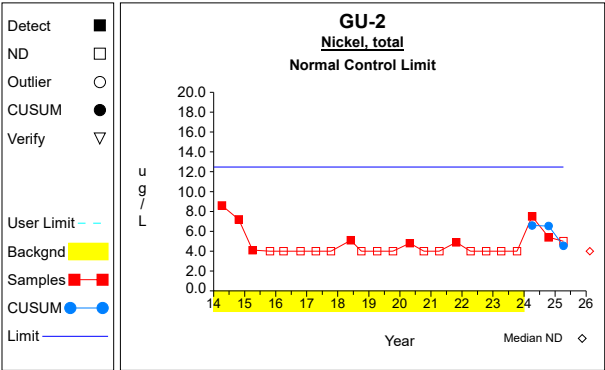


Graph 23

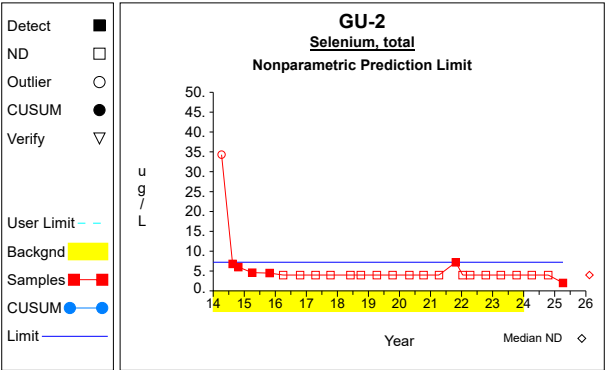


Graph 24

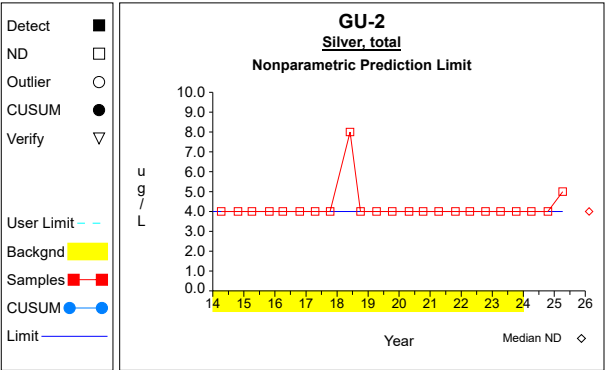
Intra-Well Control Charts / Prediction Limits



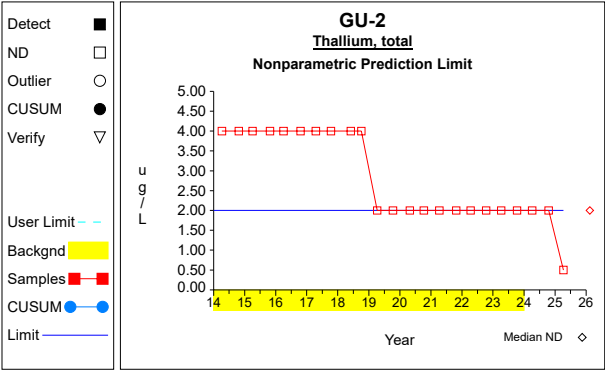
Graph 25



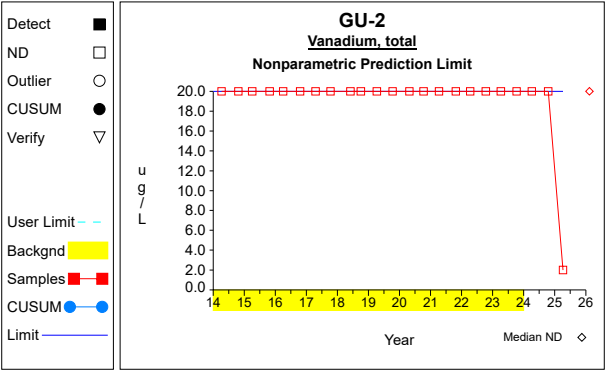
Graph 26



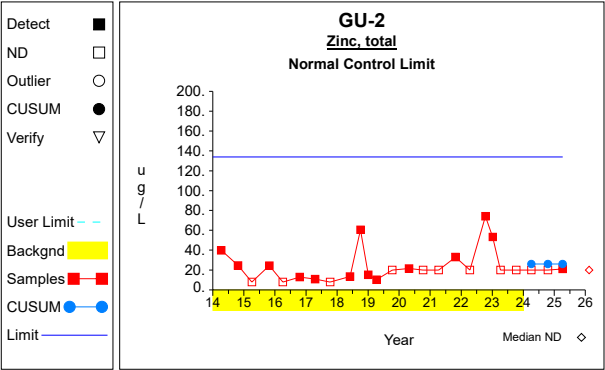
Graph 27



Graph 28

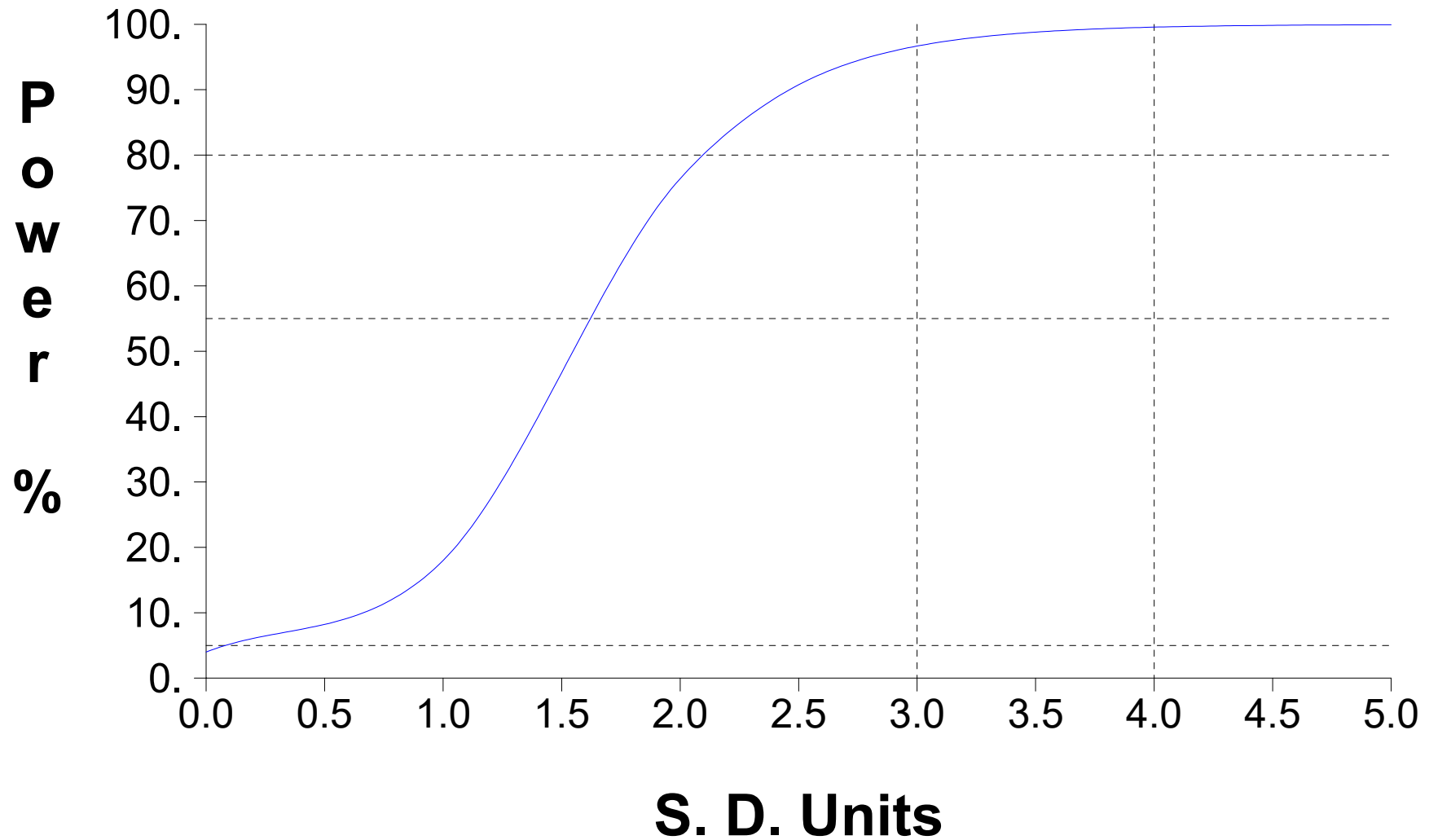


Graph 29



Graph 30

False Positive and False Negative Rates for Current Intra-Well Control Charts Monitoring Program



Appendix B.2 - Statistical Evaluation – Fall

GROUND WATER STATISTICS
FOR THE
NORTHERN PLAINS REGIONAL LANDFILL

Second Semi-Annual Monitoring Event in 2025

Prepared for:
Northern Plains Regional Landfill
3032 420th Avenue
Graettinger, IA

Prepared by:
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(847) 464-1355

November 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 Northern Plains Regional Landfill in Graettinger, Iowa. The interwell methodology is described and then applied to the Northern Plains Regional Landfill data. 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 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 Northern Plains Regional Landfill includes sample points GU-1, GU-2, GU-3, MW-10, MW-11 (upgradient), MW-12 (upgradient), MW-14, MW-15, MW-16, MW-17, MW-3AR, MW-6B, MW-7A, MW-7B, MW-8, 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. Supplemental background wells monitored for trace metals include MW-13, MW-18, MW-19, MW-20, and MW-21.

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

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 methodology was applied to the Northern Plains Regional 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-11, MW-12, and MW-17 during the period from April 2014 through the current data. Additionally, upgradient wells MW-13, MW-18, MW-19, MW-20, and MW-21 were included as background. A summary of the background data from monitoring wells MW-11, MW-12, MW-13, MW-17, MW-18, MW-19, MW-20, and MW-21, 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-1, GU-2, MW-10, MW-14, MW-15, MW-16, MW-3AR, MW-6B, MW-7A, MW-7B, MW-8, and MW-9 compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks. For the most current data, the site prediction limit exceedances detected are summarized in the table below.

**Trace Metal Prediction Limit Exceedances at Northern Plains Landfill
during the Second Semi-Annual Monitoring Event in 2025**

Well	Trace Metal	Result, µg/L	Prediction Limit, µg/L	Prediction Limit Type	Verified/ Awaiting verification
MW-14	Barium	1630	647.4900	Lognormal	Awaiting verification
	Cadmium	3.2	1.7000	Nonparametric	Awaiting verification
MW-15	Cadmium	3.5	1.7000	Nonparametric	Awaiting verification
	Nickel	20.2	17.1000	Nonparametric	Awaiting verification
MW-7B	Barium	821	647.4900	Lognormal	Verified
MW-8	Arsenic	122	34.9278	Lognormal	Verified
	Barium	1590	647.4900	Lognormal	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 equal to or greater than 50% in the upgradient wells so only barium was 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 4 standard deviation unit increases over background.

The past and current verified trace metal 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-8 (17.004 µg/L) exceeds the USEPA MCL of 10 µg/L. The calculated LCLs for the remainder of the verified trace metals are below 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 organic compounds detected in the ground water at Northern Plains Regional Landfill during the second semi-annual monitoring event in 2025 are summarized in the table 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-14	Benzene	1.3	1	Awaiting verification	5 ^a
MW-16	Carbon disulfide	2.1	1	Awaiting verification	700 ^b
MW-7B	Carbon disulfide	1.0	1	Awaiting verification	700 ^b

a - USEPA MCL

b – Iowa Statewide Standard

Historical VOC detections in the ground water are summarized in Attachment D. The VOCs detected are typically associated with landfill gas migration.

Intrawell Statistics

Intrawell statistics are appropriate for facilities where the upgradient wells do not accurately characterize the natural ground water conditions downgradient from the facility. This may be due to different hydrogeological conditions where the wells are screened, having too few upgradient wells to account for the spatial variability, or the site exhibiting no definable hydraulic gradient. Intrawell statistics compare new measurements to the historical data at each ground water monitoring well independently. It is recommended that at least eight background samples be obtained prior to performing the statistics.

The most useful technique for intrawell comparisons is the combined Shewhart-CUSUM control chart. This control chart procedure is useful because it will detect releases both in terms of the constituent concentration and cumulative increases. This method is also extremely sensitive to sudden and gradual releases. A requirement for constructing these control charts is that the parameter is detected at a frequency greater than or equal to 25%, otherwise the data variance is not properly defined.

The combined Shewhart-CUSUM control chart assumes that the data are independent and normally distributed with a fixed mean and a constant variance. Independent data is much more critical than the normality assumption. To achieve independence, it is recommended that data are collected no more frequently than quarterly to account for seasonal variation. The combined Shewhart-CUSUM control chart is extremely robust to deviations from normality. Because the control charts do not use a specific multiplier based on a normal distribution, it is more conservative to assume normality.

It is recommended that at least eight rounds of data be available to provide a reliable estimate of the mean and standard deviation of the parameter concentration, although the control charts will be generated with as few as four data points. Having only four data points may produce greater uncertainty in the mean and standard deviation of the background data, leading to higher control limits, thus having a potentially high false negative rate.

Many groundwater monitoring parameters are not detected at a frequency great enough to generate the combined Shewhart-CUSUM control charts. For constituents that are detected less than 25% of the time at a particular well, the data should be plotted as a time series until a sufficient number of data points are available to provide a 99% confidence nonparametric prediction limit. Thirteen independent measurements (with 1 resample) are necessary to achieve a 99% confidence (1% false positive rate) nonparametric prediction limit. Eight independent measurements (for pass 1 of 2 resamples) are necessary to achieve a 99% confidence nonparametric prediction limit. The nonparametric prediction limit is the largest determination out of the data set collected for that well and parameter. If the detection frequency is 0% after thirteen samples have been collected, the practical quantitation limit (PQL) becomes the nonparametric prediction limit.

In developing the statistical background, the historical data must be thoroughly screened for anomalous data due to sampling error, analytical error, or simply by chance alone. An erroneous data point, if not removed prior to the mean and variance computations, would yield a larger control limit thus increasing the false negative rate. The DUMPStat® program screens for outliers using the Dixon test. Anomalous data will still be plotted on the graphs (with a unique symbol) but will not be included in the calculations.

The verification resample plan is an integral function of the statistical plan to reduce the probability that anomalous data obtained after the background has been established, is indicative of a release.

The background data for each well and constituent is tested for existing trends using Sen's nonparametric estimate of trend. If contamination exists prior to completing the background, the control limits could be potentially high and this control chart method would not be able to detect an increasing trend unless the increase is severe.

Results of the Intrawell Statistics

The detection monitoring constituents at GU-1 and GU-2 were evaluated using the combined Shewhart-CUSUM control chart method. The background used to determine control limits includes the data obtained from 2014 through 2023.

A summary of the intrawell statistics is included in Attachment E, Table 1 “Summary Statistics and Intermediate Computations for Combined Shewhart-CUSUM Control Charts.” The control charts or time series graphs follow the summary table. For the most current data, there were no control limit exceedances detected. An increasing trend was detected in the background data for barium at GU-2.

A control chart factor was selected to provide a balance of the site-wide false positive and false negative rates. A statistical power curve indicates the expected false assessments for the site as a whole. The site-wide false positive rate is 4% and the test becomes sensitive to 3 standard deviation units over background.

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 Northern Plains Regional Landfill. The ground water data was compared to background using prediction limits. For the most current data, there are verified site prediction limit exceedances detected for barium at MW-7B, arsenic at MW-8, and barium at MW-8.

Attachment A

Summary of the Data obtained during the Second Semi-Annual Monitoring Event in 2025

Table 1

Analytical Data Summary for 10/20/2025

Constituents	Units	GU-1	GU-2	MW-10	MW-11	MW-12	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19
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	<5	<5	<5	<5	<5	<5	<5	<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		
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1		
2-butanone (mek)	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10		
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	<10		
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5		
Antimony, total	ug/L	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, total	ug/L	<2.0	<2.0	<2.0	<2.0	4.4	29.8	2.9	<2.0	2.6	7.4	2.9
Barium, total	ug/L	491.0	232.0	142.0	53.0	98.9	1630.0	302.0	346.0	164.0	50.9	207.0
Benzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<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		
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	.2	.4	.7	1.0	.4	3.2	3.5	.9	.2	<2	<2
Carbon disulfide	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.1	<1.0		
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	<1.0	<1.0	1.3	<1.0	1.7	1.1	1.3	<1.0	<1.0	<1.0	<1.0
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	<5	<5	<5	<5	<5	2.3	.5	<5	<5	<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		
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	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
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	13.8	<5.0	<5.0	<5.0	<5.0	11.6	20.2	9.4	6.8	<5.0	<5.0
Selenium, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
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		
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	<5	<5
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	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
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	<5.0	7.0	10.0	8.5	11.7	13.4	28.9	<5.0	<5.0	5.5	<5.0

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

Table 1

Analytical Data Summary for 10/20/2025

Constituents	MW-20	MW-21	MW-7B	MW-8	MW-9
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	<1	<1
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	<1	<1
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	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, total	6.9	<2.0	<2.0	122.0	2.9
Barium, total	130.0	226.0	821.0	1590.0	58.4
Benzene			<1.0	<1.0	<1.0
Beryllium, total	<.5	<.5	<.5	<.5	<.5
Bromochloromethane			<1	<1	<1
Bromodichloromethane			<1	<1	<1
Bromoform			<1	<1	<1
Bromomethane			<1	<1	<1
Cadmium, total	<.2	<.2	.5	.5	1.2
Carbon disulfide			1.0	<1.0	<1.0
Carbon tetrachloride			<1	<1	<1
Chlorobenzene			<1	<1	<1
Chloroethane			<1	<1	<1
Chloroform			<1	<1	<1
Chloromethane			<1	<1	<1
Chromium, total	<1.0	<1.0	1.0	1.1	<1.0
Cis-1,2-dichloroethylene			<1	<1	<1
Cis-1,3-dichloropropene			<1	<1	<1
Cobalt, total	<.5	<.5	<.5	.5	<.5
Copper, total	<5	<5	<5	<5	<5
Dibromochloromethane			<1	<1	<1
Dibromomethane			<1	<1	<1
Ethylbenzene			<1	<1	<1
Lead, total	<1	<1	<1	<1	<1
Methyl iodide			<1	<1	<1
Methylene chloride			<5	<5	<5
Nickel, total	<5.0	<5.0	11.4	10.7	<5.0
Selenium, total	<2	<2	<2	<2	<2
Silver, total	<5	<5	<5	<5	<5
Styrene			<1	<1	<1
Tetrachloroethylene			<1	<1	<1
Thallium, total	<.5	<.5	<.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	<2	<2	4	<2
Vinyl acetate			<5	<5	<5
Vinyl chloride			<1	<1	<1
Xylenes, total			<2	<2	<2
Zinc, total	<5.0	<5.0	6.9	<5.0	6.2

* - 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-11	04/07/2014		3.2000		
Antimony, total	ug/L	MW-11	10/23/2014	ND	2.0000		
Antimony, total	ug/L	MW-11	01/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-11	04/02/2015	ND	2.0000		
Antimony, total	ug/L	MW-11	09/15/2015	ND	2.0000		
Antimony, total	ug/L	MW-11	10/26/2015	ND	2.0000		
Antimony, total	ug/L	MW-11	04/01/2016	ND	2.0000		
Antimony, total	ug/L	MW-11	10/19/2016	ND	2.0000		
Antimony, total	ug/L	MW-11	04/17/2017	ND	2.0000		
Antimony, total	ug/L	MW-11	10/11/2017	ND	2.0000		
Antimony, total	ug/L	MW-11	06/01/2018	ND	2.0000		
Antimony, total	ug/L	MW-11	10/03/2018	ND	2.0000		
Antimony, total	ug/L	MW-11	04/08/2019	ND	2.0000		
Antimony, total	ug/L	MW-11	10/11/2019	ND	2.0000		
Antimony, total	ug/L	MW-11	04/27/2020	ND	2.0000		
Antimony, total	ug/L	MW-11	10/09/2020		3.4000		
Antimony, total	ug/L	MW-11	04/09/2021	ND	2.0000		
Antimony, total	ug/L	MW-11	10/25/2021	ND	2.0000		
Antimony, total	ug/L	MW-11	04/11/2022	ND	2.0000		
Antimony, total	ug/L	MW-11	10/12/2022	ND	2.0000		
Antimony, total	ug/L	MW-11	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-11	10/09/2023	ND	2.0000		
Antimony, total	ug/L	MW-11	04/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-11	10/16/2024	ND	2.0000		
Antimony, total	ug/L	MW-11	04/07/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-11	10/20/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-11	04/07/2014	ND	4.0000		
Arsenic, total	ug/L	MW-11	10/23/2014	ND	4.0000		
Arsenic, total	ug/L	MW-11	01/16/2015	ND	4.0000		
Arsenic, total	ug/L	MW-11	04/02/2015	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/15/2015	ND	4.0000		
Arsenic, total	ug/L	MW-11	10/26/2015	ND	4.0000		
Arsenic, total	ug/L	MW-11	04/01/2016	ND	4.0000		
Arsenic, total	ug/L	MW-11	10/19/2016	ND	4.0000		
Arsenic, total	ug/L	MW-11	04/17/2017	ND	4.0000		
Arsenic, total	ug/L	MW-11	10/11/2017	ND	4.0000		
Arsenic, total	ug/L	MW-11	06/01/2018	ND	4.0000		
Arsenic, total	ug/L	MW-11	10/03/2018	ND	4.0000		
Arsenic, total	ug/L	MW-11	04/08/2019	ND	4.0000		
Arsenic, total	ug/L	MW-11	10/11/2019	ND	4.0000		
Arsenic, total	ug/L	MW-11	04/27/2020	ND	4.0000		
Arsenic, total	ug/L	MW-11	10/09/2020	ND	4.0000		
Arsenic, total	ug/L	MW-11	04/09/2021	ND	4.0000		
Arsenic, total	ug/L	MW-11	10/25/2021	ND	4.0000		
Arsenic, total	ug/L	MW-11	04/11/2022	ND	4.0000		
Arsenic, total	ug/L	MW-11	10/12/2022	ND	4.0000		
Arsenic, total	ug/L	MW-11	04/06/2023	ND	4.0000		
Arsenic, total	ug/L	MW-11	10/09/2023	ND	4.0000		
Arsenic, total	ug/L	MW-11	04/04/2024	ND	4.0000		
Arsenic, total	ug/L	MW-11	10/16/2024	ND	4.0000		
Arsenic, total	ug/L	MW-11	04/07/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-11	10/20/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-11	04/07/2014		360.0000		*
Barium, total	ug/L	MW-11	10/23/2014		47.5000		
Barium, total	ug/L	MW-11	01/16/2015		56.8000		
Barium, total	ug/L	MW-11	04/02/2015		58.4000		
Barium, total	ug/L	MW-11	09/15/2015		49.6000		
Barium, total	ug/L	MW-11	10/26/2015		74.5000		
Barium, total	ug/L	MW-11	04/01/2016		68.2000		
Barium, total	ug/L	MW-11	10/19/2016		68.5000		
Barium, total	ug/L	MW-11	04/17/2017		66.2000		
Barium, total	ug/L	MW-11	10/11/2017		63.8000		
Barium, total	ug/L	MW-11	06/01/2018		80.0000		
Barium, total	ug/L	MW-11	10/03/2018		89.3000		
Barium, total	ug/L	MW-11	04/08/2019		88.4000		
Barium, total	ug/L	MW-11	10/11/2019		132.0000		
Barium, total	ug/L	MW-11	04/27/2020		85.5000		
Barium, total	ug/L	MW-11	10/09/2020		205.0000		
Barium, total	ug/L	MW-11	04/09/2021		82.7000		
Barium, total	ug/L	MW-11	10/25/2021		53.4000		
Barium, total	ug/L	MW-11	04/11/2022		82.2000		
Barium, total	ug/L	MW-11	10/12/2022		69.8000		
Barium, total	ug/L	MW-11	04/06/2023		44.2000		
Barium, total	ug/L	MW-11	10/09/2023		103.0000		

* - 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-11	04/04/2024		40.1000		
Barium, total	ug/L	MW-11	10/16/2024		67.0000		
Barium, total	ug/L	MW-11	04/07/2025		45.9000		
Barium, total	ug/L	MW-11	10/20/2025		53.0000		
Beryllium, total	ug/L	MW-11	04/07/2014	ND	4.0000		
Beryllium, total	ug/L	MW-11	10/23/2014	ND	4.0000		
Beryllium, total	ug/L	MW-11	01/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-11	04/02/2015	ND	4.0000		
Beryllium, total	ug/L	MW-11	09/15/2015	ND	4.0000		
Beryllium, total	ug/L	MW-11	10/26/2015	ND	4.0000		
Beryllium, total	ug/L	MW-11	04/01/2016	ND	4.0000		
Beryllium, total	ug/L	MW-11	10/19/2016	ND	4.0000		
Beryllium, total	ug/L	MW-11	04/17/2017	ND	4.0000		
Beryllium, total	ug/L	MW-11	10/11/2017	ND	4.0000		
Beryllium, total	ug/L	MW-11	06/01/2018	ND	4.0000		
Beryllium, total	ug/L	MW-11	10/03/2018	ND	4.0000		
Beryllium, total	ug/L	MW-11	04/08/2019	ND	4.0000		
Beryllium, total	ug/L	MW-11	10/11/2019	ND	4.0000		
Beryllium, total	ug/L	MW-11	04/27/2020	ND	4.0000		
Beryllium, total	ug/L	MW-11	10/09/2020	ND	4.0000		
Beryllium, total	ug/L	MW-11	04/09/2021	ND	4.0000		
Beryllium, total	ug/L	MW-11	10/25/2021	ND	4.0000		
Beryllium, total	ug/L	MW-11	04/11/2022	ND	4.0000		
Beryllium, total	ug/L	MW-11	10/12/2022	ND	4.0000		
Beryllium, total	ug/L	MW-11	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-11	10/09/2023	ND	4.0000		
Beryllium, total	ug/L	MW-11	04/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-11	10/16/2024	ND	4.0000		
Beryllium, total	ug/L	MW-11	04/07/2025	ND	0.5000		*
Beryllium, total	ug/L	MW-11	10/20/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-11	04/07/2014	ND	0.8000		
Cadmium, total	ug/L	MW-11	10/23/2014	ND	0.8000		
Cadmium, total	ug/L	MW-11	01/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-11	04/02/2015	ND	0.8000		
Cadmium, total	ug/L	MW-11	09/15/2015	ND	0.8000		
Cadmium, total	ug/L	MW-11	10/26/2015	ND	0.8000		
Cadmium, total	ug/L	MW-11	04/01/2016	ND	0.8000		
Cadmium, total	ug/L	MW-11	10/19/2016	ND	0.8000		
Cadmium, total	ug/L	MW-11	04/17/2017	ND	0.8000		
Cadmium, total	ug/L	MW-11	10/11/2017	ND	0.8000		
Cadmium, total	ug/L	MW-11	06/01/2018	ND	2.0000	0.8000	**
Cadmium, total	ug/L	MW-11	10/03/2018		1.3000		
Cadmium, total	ug/L	MW-11	04/08/2019	ND	0.8000		
Cadmium, total	ug/L	MW-11	10/11/2019	ND	0.8000		
Cadmium, total	ug/L	MW-11	04/27/2020	ND	0.8000		
Cadmium, total	ug/L	MW-11	10/09/2020	ND	0.8000		
Cadmium, total	ug/L	MW-11	04/09/2021	ND	0.8000		
Cadmium, total	ug/L	MW-11	10/25/2021	ND	0.8000		
Cadmium, total	ug/L	MW-11	04/11/2022	ND	0.8000		
Cadmium, total	ug/L	MW-11	10/12/2022	ND	0.8000		
Cadmium, total	ug/L	MW-11	04/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-11	10/09/2023	ND	0.8000		
Cadmium, total	ug/L	MW-11	04/04/2024		1.4000		
Cadmium, total	ug/L	MW-11	10/16/2024	ND	0.8000		
Cadmium, total	ug/L	MW-11	04/07/2025		1.4000		
Cadmium, total	ug/L	MW-11	10/20/2025		1.0000		
Chromium, total	ug/L	MW-11	04/07/2014	ND	8.0000		
Chromium, total	ug/L	MW-11	10/23/2014	ND	8.0000		
Chromium, total	ug/L	MW-11	01/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-11	04/02/2015	ND	8.0000		
Chromium, total	ug/L	MW-11	09/15/2015	ND	8.0000		
Chromium, total	ug/L	MW-11	10/26/2015	ND	8.0000		
Chromium, total	ug/L	MW-11	04/01/2016	ND	8.0000		
Chromium, total	ug/L	MW-11	10/19/2016	ND	8.0000		
Chromium, total	ug/L	MW-11	04/17/2017	ND	8.0000		
Chromium, total	ug/L	MW-11	10/11/2017	ND	8.0000		
Chromium, total	ug/L	MW-11	06/01/2018	ND	8.0000		
Chromium, total	ug/L	MW-11	10/03/2018	ND	8.0000		
Chromium, total	ug/L	MW-11	04/08/2019	ND	8.0000		
Chromium, total	ug/L	MW-11	10/11/2019	ND	8.0000		
Chromium, total	ug/L	MW-11	04/27/2020	ND	8.0000		
Chromium, total	ug/L	MW-11	10/09/2020	ND	8.0000		
Chromium, total	ug/L	MW-11	04/09/2021	ND	8.0000		
Chromium, total	ug/L	MW-11	10/25/2021	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-11	04/11/2022	ND	8.0000		
Chromium, total	ug/L	MW-11	10/12/2022	ND	8.0000		
Chromium, total	ug/L	MW-11	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-11	10/09/2023	ND	8.0000		
Chromium, total	ug/L	MW-11	04/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-11	10/16/2024	ND	8.0000		
Chromium, total	ug/L	MW-11	04/07/2025	ND	1.0000		*
Chromium, total	ug/L	MW-11	10/20/2025	ND	1.0000		*
Cobalt, total	ug/L	MW-11	04/07/2014		16.4000		*
Cobalt, total	ug/L	MW-11	10/23/2014	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-11	01/16/2015	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-11	04/02/2015	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-11	09/15/2015	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-11	10/26/2015		0.8000		
Cobalt, total	ug/L	MW-11	04/01/2016		0.8000		
Cobalt, total	ug/L	MW-11	10/19/2016	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-11	04/17/2017	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-11	10/11/2017	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-11	06/01/2018	ND	2.0000	0.5000	**
Cobalt, total	ug/L	MW-11	10/03/2018		1.0000		
Cobalt, total	ug/L	MW-11	04/08/2019	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-11	10/11/2019		4.0000		
Cobalt, total	ug/L	MW-11	04/27/2020		0.5000		
Cobalt, total	ug/L	MW-11	10/09/2020		11.2000		*
Cobalt, total	ug/L	MW-11	04/09/2021	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-11	10/25/2021		1.3000		
Cobalt, total	ug/L	MW-11	04/11/2022		1.9000		
Cobalt, total	ug/L	MW-11	10/12/2022		3.0000		
Cobalt, total	ug/L	MW-11	04/06/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-11	10/09/2023		3.0000		
Cobalt, total	ug/L	MW-11	04/04/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-11	10/16/2024		0.5000		
Cobalt, total	ug/L	MW-11	04/07/2025	ND	0.5000		
Cobalt, total	ug/L	MW-11	10/20/2025	ND	0.5000		
Copper, total	ug/L	MW-11	04/07/2014		4.2000		
Copper, total	ug/L	MW-11	10/23/2014	ND	4.0000		
Copper, total	ug/L	MW-11	01/16/2015	ND	4.0000		
Copper, total	ug/L	MW-11	04/02/2015	ND	4.0000		
Copper, total	ug/L	MW-11	09/15/2015	ND	4.0000		
Copper, total	ug/L	MW-11	10/26/2015	ND	4.0000		
Copper, total	ug/L	MW-11	04/01/2016		4.4000		
Copper, total	ug/L	MW-11	10/19/2016	ND	4.0000		
Copper, total	ug/L	MW-11	04/17/2017		8.4000		
Copper, total	ug/L	MW-11	10/11/2017	ND	4.0000		
Copper, total	ug/L	MW-11	06/01/2018	ND	4.0000		
Copper, total	ug/L	MW-11	10/03/2018	ND	4.0000		
Copper, total	ug/L	MW-11	04/08/2019	ND	4.0000		
Copper, total	ug/L	MW-11	10/11/2019	ND	4.0000		
Copper, total	ug/L	MW-11	04/27/2020	ND	4.0000		
Copper, total	ug/L	MW-11	10/09/2020	ND	4.0000		
Copper, total	ug/L	MW-11	04/09/2021	ND	4.0000		
Copper, total	ug/L	MW-11	10/25/2021	ND	4.0000		
Copper, total	ug/L	MW-11	04/11/2022	ND	4.0000		
Copper, total	ug/L	MW-11	10/12/2022	ND	4.0000		
Copper, total	ug/L	MW-11	04/06/2023	ND	4.0000		
Copper, total	ug/L	MW-11	10/09/2023	ND	4.0000		
Copper, total	ug/L	MW-11	04/04/2024	ND	4.0000		
Copper, total	ug/L	MW-11	10/16/2024	ND	4.0000		
Copper, total	ug/L	MW-11	04/07/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-11	10/20/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-11	04/07/2014	ND	4.0000		
Lead, total	ug/L	MW-11	10/23/2014	ND	4.0000		
Lead, total	ug/L	MW-11	01/16/2015	ND	4.0000		
Lead, total	ug/L	MW-11	04/02/2015	ND	4.0000		
Lead, total	ug/L	MW-11	09/15/2015	ND	4.0000		
Lead, total	ug/L	MW-11	10/26/2015	ND	4.0000		
Lead, total	ug/L	MW-11	04/01/2016	ND	4.0000		
Lead, total	ug/L	MW-11	10/19/2016	ND	4.0000		
Lead, total	ug/L	MW-11	04/17/2017	ND	4.0000		
Lead, total	ug/L	MW-11	10/11/2017	ND	4.0000		
Lead, total	ug/L	MW-11	06/01/2018	ND	4.0000		
Lead, total	ug/L	MW-11	10/03/2018	ND	4.0000		
Lead, total	ug/L	MW-11	04/08/2019	ND	4.0000		
Lead, total	ug/L	MW-11	10/11/2019	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	
Lead, total	ug/L	MW-11	04/27/2020	ND	4.0000		
Lead, total	ug/L	MW-11	10/09/2020	ND	4.0000		
Lead, total	ug/L	MW-11	04/09/2021	ND	4.0000		
Lead, total	ug/L	MW-11	10/25/2021	ND	4.0000		
Lead, total	ug/L	MW-11	04/11/2022	ND	4.0000		
Lead, total	ug/L	MW-11	10/12/2022	ND	4.0000		
Lead, total	ug/L	MW-11	04/06/2023	ND	4.0000		
Lead, total	ug/L	MW-11	10/09/2023	ND	4.0000		
Lead, total	ug/L	MW-11	04/04/2024	ND	4.0000		
Lead, total	ug/L	MW-11	10/16/2024	ND	4.0000		
Lead, total	ug/L	MW-11	04/07/2025	ND	1.0000		*
Lead, total	ug/L	MW-11	10/20/2025	ND	1.0000		*
Nickel, total	ug/L	MW-11	04/07/2014		98.9000		*
Nickel, total	ug/L	MW-11	10/23/2014		8.2000		
Nickel, total	ug/L	MW-11	01/16/2015		4.7000		
Nickel, total	ug/L	MW-11	04/02/2015		4.9000		
Nickel, total	ug/L	MW-11	09/15/2015		9.1000		
Nickel, total	ug/L	MW-11	10/26/2015		12.6000		
Nickel, total	ug/L	MW-11	04/01/2016		8.1000		
Nickel, total	ug/L	MW-11	10/19/2016		6.2000		
Nickel, total	ug/L	MW-11	04/17/2017		6.2000		
Nickel, total	ug/L	MW-11	10/11/2017	ND	4.0000		
Nickel, total	ug/L	MW-11	06/01/2018		12.1000		
Nickel, total	ug/L	MW-11	10/03/2018		11.2000		
Nickel, total	ug/L	MW-11	04/08/2019		5.2000		
Nickel, total	ug/L	MW-11	10/11/2019		36.2000		*
Nickel, total	ug/L	MW-11	04/27/2020		6.3000		
Nickel, total	ug/L	MW-11	10/09/2020		42.5000		*
Nickel, total	ug/L	MW-11	04/09/2021		8.8000		
Nickel, total	ug/L	MW-11	10/25/2021		10.5000		
Nickel, total	ug/L	MW-11	04/11/2022		15.6000		
Nickel, total	ug/L	MW-11	10/12/2022		7.4000		
Nickel, total	ug/L	MW-11	04/06/2023	ND	4.0000		
Nickel, total	ug/L	MW-11	10/09/2023		17.1000		
Nickel, total	ug/L	MW-11	04/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-11	10/16/2024		5.2000		
Nickel, total	ug/L	MW-11	04/07/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-11	10/20/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-11	04/07/2014	ND	4.0000		
Selenium, total	ug/L	MW-11	10/23/2014	ND	4.0000		
Selenium, total	ug/L	MW-11	01/16/2015	ND	4.0000		
Selenium, total	ug/L	MW-11	04/02/2015	ND	4.0000		
Selenium, total	ug/L	MW-11	09/15/2015	ND	4.0000		
Selenium, total	ug/L	MW-11	10/26/2015	ND	4.0000		
Selenium, total	ug/L	MW-11	04/01/2016	ND	4.0000		
Selenium, total	ug/L	MW-11	10/19/2016	ND	4.0000		
Selenium, total	ug/L	MW-11	04/17/2017	ND	4.0000		
Selenium, total	ug/L	MW-11	10/11/2017	ND	4.0000		
Selenium, total	ug/L	MW-11	06/01/2018	ND	4.0000		
Selenium, total	ug/L	MW-11	10/03/2018	ND	4.0000		
Selenium, total	ug/L	MW-11	04/08/2019	ND	4.0000		
Selenium, total	ug/L	MW-11	10/11/2019	ND	4.0000		
Selenium, total	ug/L	MW-11	04/27/2020	ND	4.0000		
Selenium, total	ug/L	MW-11	10/09/2020	ND	4.0000		
Selenium, total	ug/L	MW-11	04/09/2021		4.0000		
Selenium, total	ug/L	MW-11	10/25/2021	ND	4.0000		
Selenium, total	ug/L	MW-11	04/11/2022	ND	4.0000		
Selenium, total	ug/L	MW-11	10/12/2022	ND	4.0000		
Selenium, total	ug/L	MW-11	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-11	10/09/2023	ND	4.0000		
Selenium, total	ug/L	MW-11	04/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-11	10/16/2024	ND	4.0000		
Selenium, total	ug/L	MW-11	04/07/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-11	10/20/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-11	04/07/2014	ND	4.0000		
Silver, total	ug/L	MW-11	10/23/2014	ND	4.0000		
Silver, total	ug/L	MW-11	01/16/2015	ND	4.0000		
Silver, total	ug/L	MW-11	04/02/2015	ND	4.0000		
Silver, total	ug/L	MW-11	09/15/2015	ND	4.0000		
Silver, total	ug/L	MW-11	10/26/2015	ND	4.0000		
Silver, total	ug/L	MW-11	04/01/2016	ND	4.0000		
Silver, total	ug/L	MW-11	10/19/2016	ND	4.0000		
Silver, total	ug/L	MW-11	04/17/2017	ND	4.0000		
Silver, total	ug/L	MW-11	10/11/2017	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	
Silver, total	ug/L	MW-11	06/01/2018	ND	8.0000	4.0000	**
Silver, total	ug/L	MW-11	10/03/2018	ND	4.0000		
Silver, total	ug/L	MW-11	04/08/2019	ND	4.0000		
Silver, total	ug/L	MW-11	10/11/2019	ND	4.0000		
Silver, total	ug/L	MW-11	04/27/2020	ND	4.0000		
Silver, total	ug/L	MW-11	10/09/2020	ND	4.0000		
Silver, total	ug/L	MW-11	04/09/2021	ND	4.0000		
Silver, total	ug/L	MW-11	10/25/2021	ND	4.0000		
Silver, total	ug/L	MW-11	04/11/2022	ND	4.0000		
Silver, total	ug/L	MW-11	10/12/2022	ND	4.0000		
Silver, total	ug/L	MW-11	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-11	10/09/2023	ND	4.0000		
Silver, total	ug/L	MW-11	04/04/2024	ND	4.0000		
Silver, total	ug/L	MW-11	10/16/2024	ND	4.0000		
Silver, total	ug/L	MW-11	04/07/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-11	10/20/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-11	04/07/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	10/23/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	01/16/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	04/02/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	09/15/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	10/26/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	04/01/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	10/19/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	04/17/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	10/11/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	06/01/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	10/03/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	04/08/2019	ND	2.0000		
Thallium, total	ug/L	MW-11	10/11/2019	ND	2.0000		
Thallium, total	ug/L	MW-11	04/27/2020	ND	2.0000		
Thallium, total	ug/L	MW-11	10/09/2020	ND	2.0000		
Thallium, total	ug/L	MW-11	04/09/2021	ND	2.0000		
Thallium, total	ug/L	MW-11	10/25/2021	ND	2.0000		
Thallium, total	ug/L	MW-11	04/11/2022	ND	2.0000		
Thallium, total	ug/L	MW-11	10/12/2022	ND	2.0000		
Thallium, total	ug/L	MW-11	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-11	10/09/2023	ND	2.0000		
Thallium, total	ug/L	MW-11	04/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-11	10/16/2024	ND	2.0000		
Thallium, total	ug/L	MW-11	04/07/2025	ND	0.5000		*
Thallium, total	ug/L	MW-11	10/20/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-11	04/07/2014	ND	20.0000		
Vanadium, total	ug/L	MW-11	10/23/2014	ND	20.0000		
Vanadium, total	ug/L	MW-11	01/16/2015	ND	20.0000		
Vanadium, total	ug/L	MW-11	04/02/2015	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/15/2015	ND	20.0000		
Vanadium, total	ug/L	MW-11	10/26/2015	ND	20.0000		
Vanadium, total	ug/L	MW-11	04/01/2016	ND	20.0000		
Vanadium, total	ug/L	MW-11	10/19/2016	ND	20.0000		
Vanadium, total	ug/L	MW-11	04/17/2017	ND	20.0000		
Vanadium, total	ug/L	MW-11	10/11/2017	ND	20.0000		
Vanadium, total	ug/L	MW-11	06/01/2018	ND	20.0000		
Vanadium, total	ug/L	MW-11	10/03/2018	ND	20.0000		
Vanadium, total	ug/L	MW-11	04/08/2019	ND	20.0000		
Vanadium, total	ug/L	MW-11	10/11/2019	ND	20.0000		
Vanadium, total	ug/L	MW-11	04/27/2020	ND	20.0000		
Vanadium, total	ug/L	MW-11	10/09/2020	ND	20.0000		
Vanadium, total	ug/L	MW-11	04/09/2021	ND	20.0000		
Vanadium, total	ug/L	MW-11	10/25/2021	ND	20.0000		
Vanadium, total	ug/L	MW-11	04/11/2022	ND	20.0000		
Vanadium, total	ug/L	MW-11	10/12/2022	ND	20.0000		
Vanadium, total	ug/L	MW-11	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-11	10/09/2023	ND	20.0000		
Vanadium, total	ug/L	MW-11	04/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-11	10/16/2024	ND	20.0000		
Vanadium, total	ug/L	MW-11	04/07/2025	ND	2.0000		*
Vanadium, total	ug/L	MW-11	10/20/2025	ND	2.0000		*
Zinc, total	ug/L	MW-11	04/07/2014		45.3000		
Zinc, total	ug/L	MW-11	10/23/2014		8.3000		
Zinc, total	ug/L	MW-11	01/16/2015	ND	20.0000		
Zinc, total	ug/L	MW-11	04/02/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	09/15/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	10/26/2015		26.3000		

* - 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 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	MW-11	04/01/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	10/19/2016		24.8000		
Zinc, total	ug/L	MW-11	04/17/2017		28.4000		
Zinc, total	ug/L	MW-11	10/11/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	06/01/2018	ND	20.0000		
Zinc, total	ug/L	MW-11	10/03/2018	ND	20.0000		
Zinc, total	ug/L	MW-11	04/08/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	10/11/2019		30.5000		
Zinc, total	ug/L	MW-11	04/27/2020	ND	20.0000		
Zinc, total	ug/L	MW-11	10/09/2020		20.1000		
Zinc, total	ug/L	MW-11	04/09/2021	ND	20.0000		
Zinc, total	ug/L	MW-11	10/25/2021	ND	20.0000		
Zinc, total	ug/L	MW-11	04/11/2022	ND	20.0000		
Zinc, total	ug/L	MW-11	10/12/2022	ND	20.0000		
Zinc, total	ug/L	MW-11	04/06/2023	ND	20.0000		
Zinc, total	ug/L	MW-11	10/09/2023	ND	20.0000		
Zinc, total	ug/L	MW-11	04/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-11	10/16/2024	ND	20.0000		
Zinc, total	ug/L	MW-11	04/07/2025		6.1000		
Zinc, total	ug/L	MW-11	10/20/2025		8.5000		
Antimony, total	ug/L	MW-12	04/07/2014	ND	2.0000		
Antimony, total	ug/L	MW-12	10/23/2014	ND	2.0000		
Antimony, total	ug/L	MW-12	01/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-12	04/02/2015	ND	2.0000		
Antimony, total	ug/L	MW-12	09/15/2015	ND	2.0000		
Antimony, total	ug/L	MW-12	10/26/2015	ND	2.0000		
Antimony, total	ug/L	MW-12	04/01/2016	ND	2.0000		
Antimony, total	ug/L	MW-12	10/19/2016	ND	2.0000		
Antimony, total	ug/L	MW-12	04/17/2017	ND	2.0000		
Antimony, total	ug/L	MW-12	10/11/2017	ND	2.0000		
Antimony, total	ug/L	MW-12	06/01/2018	ND	2.0000		
Antimony, total	ug/L	MW-12	10/03/2018	ND	2.0000		
Antimony, total	ug/L	MW-12	04/08/2019	ND	2.0000		
Antimony, total	ug/L	MW-12	10/11/2019	ND	2.0000		
Antimony, total	ug/L	MW-12	04/27/2020	ND	2.0000		
Antimony, total	ug/L	MW-12	10/09/2020	ND	2.0000		
Antimony, total	ug/L	MW-12	04/09/2021	ND	2.0000		
Antimony, total	ug/L	MW-12	10/25/2021	ND	2.0000		
Antimony, total	ug/L	MW-12	04/11/2022	ND	2.0000		
Antimony, total	ug/L	MW-12	10/12/2022	ND	2.0000		
Antimony, total	ug/L	MW-12	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-12	10/09/2023	ND	2.0000		
Antimony, total	ug/L	MW-12	04/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-12	10/16/2024	ND	2.0000		
Antimony, total	ug/L	MW-12	04/07/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-12	10/20/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-12	04/07/2014		21.7000		*
Arsenic, total	ug/L	MW-12	10/23/2014		4.1000		
Arsenic, total	ug/L	MW-12	01/16/2015	ND	4.0000		
Arsenic, total	ug/L	MW-12	04/02/2015	ND	4.0000		
Arsenic, total	ug/L	MW-12	09/15/2015		6.5000		
Arsenic, total	ug/L	MW-12	10/26/2015	ND	4.0000		
Arsenic, total	ug/L	MW-12	04/01/2016	ND	4.0000		
Arsenic, total	ug/L	MW-12	10/19/2016		89.9000		*
Arsenic, total	ug/L	MW-12	04/17/2017		137.0000		*
Arsenic, total	ug/L	MW-12	10/11/2017		24.3000		*
Arsenic, total	ug/L	MW-12	06/01/2018	ND	4.0000		
Arsenic, total	ug/L	MW-12	10/03/2018		5.7000		
Arsenic, total	ug/L	MW-12	04/08/2019	ND	4.0000		
Arsenic, total	ug/L	MW-12	10/11/2019		9.4000		
Arsenic, total	ug/L	MW-12	04/27/2020		4.9000		
Arsenic, total	ug/L	MW-12	10/09/2020		6.0000		
Arsenic, total	ug/L	MW-12	04/09/2021		4.1000		
Arsenic, total	ug/L	MW-12	10/25/2021		4.0000		
Arsenic, total	ug/L	MW-12	04/11/2022	ND	4.0000		
Arsenic, total	ug/L	MW-12	10/12/2022		6.1000		
Arsenic, total	ug/L	MW-12	04/06/2023		4.4000		
Arsenic, total	ug/L	MW-12	10/09/2023	ND	4.0000		
Arsenic, total	ug/L	MW-12	04/04/2024		4.8000		
Arsenic, total	ug/L	MW-12	10/16/2024	ND	4.0000		
Arsenic, total	ug/L	MW-12	04/07/2025		2.2000		
Arsenic, total	ug/L	MW-12	10/20/2025		4.4000		
Barium, total	ug/L	MW-12	04/07/2014		484.0000		
Barium, total	ug/L	MW-12	10/23/2014		244.0000		

* - 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-12	01/16/2015		199.0000		
Barium, total	ug/L	MW-12	04/02/2015		248.0000		
Barium, total	ug/L	MW-12	09/15/2015		142.0000		
Barium, total	ug/L	MW-12	10/26/2015		269.0000		
Barium, total	ug/L	MW-12	04/01/2016		247.0000		
Barium, total	ug/L	MW-12	10/19/2016		1320.0000		*
Barium, total	ug/L	MW-12	04/17/2017		1390.0000		*
Barium, total	ug/L	MW-12	10/11/2017		189.0000		
Barium, total	ug/L	MW-12	06/01/2018		223.0000		
Barium, total	ug/L	MW-12	10/03/2018		173.0000		
Barium, total	ug/L	MW-12	04/08/2019		196.0000		
Barium, total	ug/L	MW-12	10/11/2019		186.0000		
Barium, total	ug/L	MW-12	04/27/2020		150.0000		
Barium, total	ug/L	MW-12	10/09/2020		258.0000		
Barium, total	ug/L	MW-12	04/09/2021		122.0000		
Barium, total	ug/L	MW-12	10/25/2021		153.0000		
Barium, total	ug/L	MW-12	04/11/2022		99.9000		
Barium, total	ug/L	MW-12	10/12/2022		129.0000		
Barium, total	ug/L	MW-12	04/06/2023		55.7000		
Barium, total	ug/L	MW-12	10/09/2023		66.4000		
Barium, total	ug/L	MW-12	04/04/2024		102.0000		
Barium, total	ug/L	MW-12	10/16/2024		139.0000		
Barium, total	ug/L	MW-12	04/07/2025		126.0000		
Barium, total	ug/L	MW-12	10/20/2025		98.9000		
Beryllium, total	ug/L	MW-12	04/07/2014	ND	4.0000		
Beryllium, total	ug/L	MW-12	10/23/2014	ND	4.0000		
Beryllium, total	ug/L	MW-12	01/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-12	04/02/2015	ND	4.0000		
Beryllium, total	ug/L	MW-12	09/15/2015	ND	4.0000		
Beryllium, total	ug/L	MW-12	10/26/2015	ND	4.0000		
Beryllium, total	ug/L	MW-12	04/01/2016	ND	4.0000		
Beryllium, total	ug/L	MW-12	10/19/2016	ND	4.0000		
Beryllium, total	ug/L	MW-12	04/17/2017	ND	4.0000		
Beryllium, total	ug/L	MW-12	10/11/2017	ND	4.0000		
Beryllium, total	ug/L	MW-12	06/01/2018	ND	4.0000		
Beryllium, total	ug/L	MW-12	10/03/2018	ND	4.0000		
Beryllium, total	ug/L	MW-12	04/08/2019	ND	4.0000		
Beryllium, total	ug/L	MW-12	10/11/2019	ND	4.0000		
Beryllium, total	ug/L	MW-12	04/27/2020	ND	4.0000		
Beryllium, total	ug/L	MW-12	10/09/2020	ND	4.0000		
Beryllium, total	ug/L	MW-12	04/09/2021	ND	4.0000		
Beryllium, total	ug/L	MW-12	10/25/2021	ND	4.0000		
Beryllium, total	ug/L	MW-12	04/11/2022	ND	4.0000		
Beryllium, total	ug/L	MW-12	10/12/2022	ND	4.0000		
Beryllium, total	ug/L	MW-12	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-12	10/09/2023	ND	4.0000		
Beryllium, total	ug/L	MW-12	04/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-12	10/16/2024	ND	4.0000		
Beryllium, total	ug/L	MW-12	04/07/2025	ND	0.5000		*
Beryllium, total	ug/L	MW-12	10/20/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-12	04/07/2014		1.1000		
Cadmium, total	ug/L	MW-12	10/23/2014	ND	0.8000		
Cadmium, total	ug/L	MW-12	01/16/2015	ND	0.8000		
Cadmium, total	ug/L	MW-12	04/02/2015	ND	0.8000		
Cadmium, total	ug/L	MW-12	09/15/2015	ND	0.8000		
Cadmium, total	ug/L	MW-12	10/26/2015	ND	0.8000		
Cadmium, total	ug/L	MW-12	04/01/2016	ND	0.8000		
Cadmium, total	ug/L	MW-12	10/19/2016	ND	0.8000		
Cadmium, total	ug/L	MW-12	04/17/2017	ND	0.8000		
Cadmium, total	ug/L	MW-12	10/11/2017	ND	0.8000		
Cadmium, total	ug/L	MW-12	06/01/2018	ND	0.8000		
Cadmium, total	ug/L	MW-12	10/03/2018	ND	0.8000		
Cadmium, total	ug/L	MW-12	04/08/2019	ND	0.8000		
Cadmium, total	ug/L	MW-12	10/11/2019	ND	0.8000		
Cadmium, total	ug/L	MW-12	04/27/2020		1.2000		
Cadmium, total	ug/L	MW-12	10/09/2020		4.0000		*
Cadmium, total	ug/L	MW-12	04/09/2021	ND	0.8000		
Cadmium, total	ug/L	MW-12	10/25/2021	ND	0.8000		
Cadmium, total	ug/L	MW-12	04/11/2022	ND	0.8000		
Cadmium, total	ug/L	MW-12	10/12/2022	ND	0.8000		
Cadmium, total	ug/L	MW-12	04/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-12	10/09/2023	ND	0.8000		
Cadmium, total	ug/L	MW-12	04/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-12	10/16/2024	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-12	04/07/2025		0.3000		
Cadmium, total	ug/L	MW-12	10/20/2025		0.4000		
Chromium, total	ug/L	MW-12	04/07/2014	ND	8.0000		
Chromium, total	ug/L	MW-12	10/23/2014	ND	8.0000		
Chromium, total	ug/L	MW-12	01/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-12	04/02/2015	ND	8.0000		
Chromium, total	ug/L	MW-12	09/15/2015	ND	8.0000		
Chromium, total	ug/L	MW-12	10/26/2015	ND	8.0000		
Chromium, total	ug/L	MW-12	04/01/2016	ND	8.0000		
Chromium, total	ug/L	MW-12	10/19/2016	ND	8.0000		
Chromium, total	ug/L	MW-12	04/17/2017	ND	8.0000		
Chromium, total	ug/L	MW-12	10/11/2017	ND	8.0000		
Chromium, total	ug/L	MW-12	06/01/2018	ND	8.0000		
Chromium, total	ug/L	MW-12	10/03/2018	ND	8.0000		
Chromium, total	ug/L	MW-12	04/08/2019	ND	8.0000		
Chromium, total	ug/L	MW-12	10/11/2019	ND	8.0000		
Chromium, total	ug/L	MW-12	04/27/2020	ND	8.0000		
Chromium, total	ug/L	MW-12	10/09/2020	ND	8.0000		
Chromium, total	ug/L	MW-12	04/09/2021	ND	8.0000		
Chromium, total	ug/L	MW-12	10/25/2021	ND	8.0000		
Chromium, total	ug/L	MW-12	04/11/2022	ND	8.0000		
Chromium, total	ug/L	MW-12	10/12/2022	ND	8.0000		
Chromium, total	ug/L	MW-12	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-12	10/09/2023	ND	8.0000		
Chromium, total	ug/L	MW-12	04/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-12	10/16/2024	ND	8.0000		
Chromium, total	ug/L	MW-12	04/07/2025	ND	1.0000		*
Chromium, total	ug/L	MW-12	10/20/2025		1.7000		*
Cobalt, total	ug/L	MW-12	04/07/2014	ND	4.0000		*
Cobalt, total	ug/L	MW-12	10/23/2014	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	01/16/2015	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	04/02/2015	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	09/15/2015	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	10/26/2015	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	04/01/2016	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	10/19/2016	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	04/17/2017	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	10/11/2017	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	06/01/2018	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	10/03/2018	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	04/08/2019	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	10/11/2019	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-12	04/27/2020	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-12	10/09/2020		1.2000		
Cobalt, total	ug/L	MW-12	04/09/2021	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-12	10/25/2021	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-12	04/11/2022	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-12	10/12/2022		2.6000		*
Cobalt, total	ug/L	MW-12	04/06/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-12	10/09/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-12	04/04/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-12	10/16/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-12	04/07/2025	ND	0.5000		
Cobalt, total	ug/L	MW-12	10/20/2025	ND	0.5000		
Copper, total	ug/L	MW-12	04/07/2014	ND	4.0000		
Copper, total	ug/L	MW-12	10/23/2014	ND	4.0000		
Copper, total	ug/L	MW-12	01/16/2015	ND	4.0000		
Copper, total	ug/L	MW-12	04/02/2015	ND	4.0000		
Copper, total	ug/L	MW-12	09/15/2015	ND	4.0000		
Copper, total	ug/L	MW-12	10/26/2015	ND	4.0000		
Copper, total	ug/L	MW-12	04/01/2016	ND	4.0000		
Copper, total	ug/L	MW-12	10/19/2016	ND	4.0000		
Copper, total	ug/L	MW-12	04/17/2017	ND	4.0000		
Copper, total	ug/L	MW-12	10/11/2017	ND	4.0000		
Copper, total	ug/L	MW-12	06/01/2018	ND	4.0000		
Copper, total	ug/L	MW-12	10/03/2018		6.2000		
Copper, total	ug/L	MW-12	04/08/2019	ND	4.0000		
Copper, total	ug/L	MW-12	10/11/2019	ND	4.0000		
Copper, total	ug/L	MW-12	04/27/2020	ND	4.0000		
Copper, total	ug/L	MW-12	10/09/2020		5.1000		
Copper, total	ug/L	MW-12	04/09/2021	ND	4.0000		
Copper, total	ug/L	MW-12	10/25/2021	ND	4.0000		
Copper, total	ug/L	MW-12	04/11/2022	ND	4.0000		
Copper, total	ug/L	MW-12	10/12/2022	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-12	04/06/2023	ND	4.0000		
Copper, total	ug/L	MW-12	10/09/2023	ND	4.0000		
Copper, total	ug/L	MW-12	04/04/2024	ND	4.0000		
Copper, total	ug/L	MW-12	10/16/2024	ND	4.0000		
Copper, total	ug/L	MW-12	04/07/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-12	10/20/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-12	04/07/2014	ND	4.0000		
Lead, total	ug/L	MW-12	10/23/2014	ND	4.0000		
Lead, total	ug/L	MW-12	01/16/2015	ND	4.0000		
Lead, total	ug/L	MW-12	04/02/2015	ND	4.0000		
Lead, total	ug/L	MW-12	09/15/2015	ND	4.0000		
Lead, total	ug/L	MW-12	10/26/2015	ND	4.0000		
Lead, total	ug/L	MW-12	04/01/2016	ND	4.0000		
Lead, total	ug/L	MW-12	10/19/2016	ND	4.0000		
Lead, total	ug/L	MW-12	04/17/2017	ND	4.0000		
Lead, total	ug/L	MW-12	10/11/2017	ND	4.0000		
Lead, total	ug/L	MW-12	06/01/2018	ND	4.0000		
Lead, total	ug/L	MW-12	10/03/2018	ND	4.0000		
Lead, total	ug/L	MW-12	04/08/2019	ND	4.0000		
Lead, total	ug/L	MW-12	10/11/2019	ND	4.0000		
Lead, total	ug/L	MW-12	04/27/2020	ND	4.0000		
Lead, total	ug/L	MW-12	10/09/2020	ND	4.0000		
Lead, total	ug/L	MW-12	04/09/2021	ND	4.0000		
Lead, total	ug/L	MW-12	10/25/2021	ND	4.0000		
Lead, total	ug/L	MW-12	04/11/2022	ND	4.0000		
Lead, total	ug/L	MW-12	10/12/2022	ND	4.0000		
Lead, total	ug/L	MW-12	04/06/2023	ND	4.0000		
Lead, total	ug/L	MW-12	10/09/2023	ND	4.0000		
Lead, total	ug/L	MW-12	04/04/2024	ND	4.0000		
Lead, total	ug/L	MW-12	10/16/2024	ND	4.0000		
Lead, total	ug/L	MW-12	04/07/2025	ND	1.0000		*
Lead, total	ug/L	MW-12	10/20/2025	ND	1.0000		*
Nickel, total	ug/L	MW-12	04/07/2014		4.4000		
Nickel, total	ug/L	MW-12	10/23/2014	ND	4.0000		
Nickel, total	ug/L	MW-12	01/16/2015	ND	4.0000		
Nickel, total	ug/L	MW-12	04/02/2015	ND	4.0000		
Nickel, total	ug/L	MW-12	09/15/2015	ND	4.0000		
Nickel, total	ug/L	MW-12	10/26/2015	ND	4.0000		
Nickel, total	ug/L	MW-12	04/01/2016	ND	4.0000		
Nickel, total	ug/L	MW-12	10/19/2016	ND	4.0000		
Nickel, total	ug/L	MW-12	04/17/2017	ND	4.0000		
Nickel, total	ug/L	MW-12	10/11/2017	ND	4.0000		
Nickel, total	ug/L	MW-12	06/01/2018	ND	4.0000		
Nickel, total	ug/L	MW-12	10/03/2018	ND	4.0000		
Nickel, total	ug/L	MW-12	04/08/2019	ND	4.0000		
Nickel, total	ug/L	MW-12	10/11/2019	ND	4.0000		
Nickel, total	ug/L	MW-12	04/27/2020	ND	4.0000		
Nickel, total	ug/L	MW-12	10/09/2020	ND	4.0000		
Nickel, total	ug/L	MW-12	04/09/2021	ND	4.0000		
Nickel, total	ug/L	MW-12	10/25/2021	ND	4.0000		
Nickel, total	ug/L	MW-12	04/11/2022	ND	4.0000		
Nickel, total	ug/L	MW-12	10/12/2022	ND	4.0000		
Nickel, total	ug/L	MW-12	04/06/2023	ND	4.0000		
Nickel, total	ug/L	MW-12	10/09/2023	ND	4.0000		
Nickel, total	ug/L	MW-12	04/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-12	10/16/2024	ND	4.0000		
Nickel, total	ug/L	MW-12	04/07/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-12	10/20/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-12	04/07/2014	ND	4.0000		
Selenium, total	ug/L	MW-12	10/23/2014	ND	4.0000		
Selenium, total	ug/L	MW-12	01/16/2015	ND	4.0000		
Selenium, total	ug/L	MW-12	04/02/2015	ND	4.0000		
Selenium, total	ug/L	MW-12	09/15/2015	ND	4.0000		
Selenium, total	ug/L	MW-12	10/26/2015	ND	4.0000		
Selenium, total	ug/L	MW-12	04/01/2016	ND	4.0000		
Selenium, total	ug/L	MW-12	10/19/2016	ND	4.0000		
Selenium, total	ug/L	MW-12	04/17/2017	ND	4.0000		
Selenium, total	ug/L	MW-12	10/11/2017	ND	4.0000		
Selenium, total	ug/L	MW-12	06/01/2018	ND	4.0000		
Selenium, total	ug/L	MW-12	10/03/2018	ND	4.0000		
Selenium, total	ug/L	MW-12	04/08/2019	ND	4.0000		
Selenium, total	ug/L	MW-12	10/11/2019	ND	4.0000		
Selenium, total	ug/L	MW-12	04/27/2020	ND	4.0000		
Selenium, total	ug/L	MW-12	10/09/2020	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	
Selenium, total	ug/L	MW-12	04/09/2021	ND	4.0000		
Selenium, total	ug/L	MW-12	10/25/2021	ND	4.0000		
Selenium, total	ug/L	MW-12	04/11/2022	ND	4.0000		
Selenium, total	ug/L	MW-12	10/12/2022	ND	4.0000		
Selenium, total	ug/L	MW-12	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-12	10/09/2023	ND	4.0000		
Selenium, total	ug/L	MW-12	04/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-12	10/16/2024	ND	4.0000		
Selenium, total	ug/L	MW-12	04/07/2025		2.8000		
Selenium, total	ug/L	MW-12	10/20/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-12	04/07/2014	ND	4.0000		
Silver, total	ug/L	MW-12	10/23/2014	ND	4.0000		
Silver, total	ug/L	MW-12	01/16/2015	ND	4.0000		
Silver, total	ug/L	MW-12	04/02/2015	ND	4.0000		
Silver, total	ug/L	MW-12	09/15/2015	ND	4.0000		
Silver, total	ug/L	MW-12	10/26/2015	ND	4.0000		
Silver, total	ug/L	MW-12	04/01/2016	ND	4.0000		
Silver, total	ug/L	MW-12	10/19/2016	ND	4.0000		
Silver, total	ug/L	MW-12	04/17/2017	ND	4.0000		
Silver, total	ug/L	MW-12	10/11/2017	ND	4.0000		
Silver, total	ug/L	MW-12	06/01/2018	ND	8.0000	4.0000	**
Silver, total	ug/L	MW-12	10/03/2018	ND	4.0000		
Silver, total	ug/L	MW-12	04/08/2019	ND	4.0000		
Silver, total	ug/L	MW-12	10/11/2019	ND	4.0000		
Silver, total	ug/L	MW-12	04/27/2020	ND	4.0000		
Silver, total	ug/L	MW-12	10/09/2020	ND	4.0000		
Silver, total	ug/L	MW-12	04/09/2021	ND	4.0000		
Silver, total	ug/L	MW-12	10/25/2021	ND	4.0000		
Silver, total	ug/L	MW-12	04/11/2022	ND	4.0000		
Silver, total	ug/L	MW-12	10/12/2022	ND	4.0000		
Silver, total	ug/L	MW-12	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-12	10/09/2023	ND	4.0000		
Silver, total	ug/L	MW-12	04/04/2024	ND	4.0000		
Silver, total	ug/L	MW-12	10/16/2024	ND	4.0000		
Silver, total	ug/L	MW-12	04/07/2025		5.0000	4.0000	**
Silver, total	ug/L	MW-12	10/20/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-12	04/07/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-12	10/23/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-12	01/16/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-12	04/02/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-12	09/15/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-12	10/26/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-12	04/01/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-12	10/19/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-12	04/17/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-12	10/11/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-12	06/01/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-12	10/03/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-12	04/08/2019	ND	2.0000		
Thallium, total	ug/L	MW-12	10/11/2019	ND	2.0000		
Thallium, total	ug/L	MW-12	04/27/2020	ND	2.0000		
Thallium, total	ug/L	MW-12	10/09/2020	ND	2.0000		
Thallium, total	ug/L	MW-12	04/09/2021	ND	2.0000		
Thallium, total	ug/L	MW-12	10/25/2021	ND	2.0000		
Thallium, total	ug/L	MW-12	04/11/2022	ND	2.0000		
Thallium, total	ug/L	MW-12	10/12/2022	ND	2.0000		
Thallium, total	ug/L	MW-12	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-12	10/09/2023	ND	2.0000		
Thallium, total	ug/L	MW-12	04/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-12	10/16/2024	ND	2.0000		
Thallium, total	ug/L	MW-12	04/07/2025		0.5000		*
Thallium, total	ug/L	MW-12	10/20/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-12	04/07/2014	ND	20.0000		
Vanadium, total	ug/L	MW-12	10/23/2014	ND	20.0000		
Vanadium, total	ug/L	MW-12	01/16/2015	ND	20.0000		
Vanadium, total	ug/L	MW-12	04/02/2015	ND	20.0000		
Vanadium, total	ug/L	MW-12	09/15/2015	ND	20.0000		
Vanadium, total	ug/L	MW-12	10/26/2015	ND	20.0000		
Vanadium, total	ug/L	MW-12	04/01/2016	ND	20.0000		
Vanadium, total	ug/L	MW-12	10/19/2016	ND	20.0000		
Vanadium, total	ug/L	MW-12	04/17/2017	ND	20.0000		
Vanadium, total	ug/L	MW-12	10/11/2017	ND	20.0000		
Vanadium, total	ug/L	MW-12	06/01/2018	ND	20.0000		
Vanadium, total	ug/L	MW-12	10/03/2018	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-12	04/08/2019	ND	20.0000		
Vanadium, total	ug/L	MW-12	10/11/2019	ND	20.0000		
Vanadium, total	ug/L	MW-12	04/27/2020	ND	20.0000		
Vanadium, total	ug/L	MW-12	10/09/2020	ND	20.0000		
Vanadium, total	ug/L	MW-12	04/09/2021	ND	20.0000		
Vanadium, total	ug/L	MW-12	10/25/2021	ND	20.0000		
Vanadium, total	ug/L	MW-12	04/11/2022	ND	20.0000		
Vanadium, total	ug/L	MW-12	10/12/2022	ND	20.0000		
Vanadium, total	ug/L	MW-12	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-12	10/09/2023	ND	20.0000		
Vanadium, total	ug/L	MW-12	04/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-12	10/16/2024	ND	20.0000		
Vanadium, total	ug/L	MW-12	04/07/2025	ND	2.0000		*
Vanadium, total	ug/L	MW-12	10/20/2025	ND	2.0000		*
Zinc, total	ug/L	MW-12	04/07/2014		16.3000		
Zinc, total	ug/L	MW-12	10/23/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-12	01/16/2015	ND	20.0000		
Zinc, total	ug/L	MW-12	04/02/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-12	09/15/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-12	10/26/2015	ND	20.0000		
Zinc, total	ug/L	MW-12	04/01/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-12	10/19/2016		20.4000		
Zinc, total	ug/L	MW-12	04/17/2017		14.8000		
Zinc, total	ug/L	MW-12	10/11/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-12	06/01/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-12	10/03/2018		22.1000		
Zinc, total	ug/L	MW-12	04/08/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-12	10/11/2019	ND	20.0000		
Zinc, total	ug/L	MW-12	04/27/2020	ND	20.0000		
Zinc, total	ug/L	MW-12	10/09/2020	ND	20.0000		
Zinc, total	ug/L	MW-12	04/09/2021	ND	20.0000		
Zinc, total	ug/L	MW-12	10/25/2021	ND	20.0000		
Zinc, total	ug/L	MW-12	04/11/2022	ND	20.0000		
Zinc, total	ug/L	MW-12	10/12/2022	ND	20.0000		
Zinc, total	ug/L	MW-12	04/06/2023	ND	20.0000		
Zinc, total	ug/L	MW-12	10/09/2023	ND	20.0000		
Zinc, total	ug/L	MW-12	04/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-12	10/16/2024	ND	20.0000		
Zinc, total	ug/L	MW-12	04/07/2025	ND	5.0000	20.0000	**
Zinc, total	ug/L	MW-12	10/20/2025		11.7000		
Antimony, total	ug/L	MW-13	06/27/2023	ND	2.0000		
Antimony, total	ug/L	MW-13	10/09/2023	ND	2.0000		
Antimony, total	ug/L	MW-13	04/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-13	10/16/2024	ND	2.0000		
Antimony, total	ug/L	MW-13	04/07/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-13	06/27/2023	ND	4.0000		
Arsenic, total	ug/L	MW-13	10/09/2023	ND	4.0000		
Arsenic, total	ug/L	MW-13	04/04/2024	ND	4.0000		
Arsenic, total	ug/L	MW-13	10/16/2024	ND	4.0000		
Arsenic, total	ug/L	MW-13	04/07/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-13	06/27/2023		25.7000		
Barium, total	ug/L	MW-13	10/09/2023		57.8000		
Barium, total	ug/L	MW-13	04/04/2024		32.8000		
Barium, total	ug/L	MW-13	10/16/2024		42.8000		
Barium, total	ug/L	MW-13	04/07/2025		38.3000		
Beryllium, total	ug/L	MW-13	06/27/2023	ND	4.0000		
Beryllium, total	ug/L	MW-13	10/09/2023	ND	4.0000		
Beryllium, total	ug/L	MW-13	04/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-13	10/16/2024	ND	4.0000		
Beryllium, total	ug/L	MW-13	04/07/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-13	06/27/2023	ND	0.8000		
Cadmium, total	ug/L	MW-13	10/09/2023	ND	0.8000		
Cadmium, total	ug/L	MW-13	04/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-13	10/16/2024	ND	0.8000		
Cadmium, total	ug/L	MW-13	04/07/2025		0.2000		*
Chromium, total	ug/L	MW-13	06/27/2023	ND	8.0000		
Chromium, total	ug/L	MW-13	10/09/2023	ND	8.0000		
Chromium, total	ug/L	MW-13	04/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-13	10/16/2024	ND	8.0000		
Chromium, total	ug/L	MW-13	04/07/2025		1.0000		*
Cobalt, total	ug/L	MW-13	06/27/2023		0.4000		
Cobalt, total	ug/L	MW-13	10/09/2023		1.3000		
Cobalt, total	ug/L	MW-13	04/04/2024		0.5000		
Cobalt, total	ug/L	MW-13	10/16/2024		0.6000		

* - 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-13	04/07/2025	ND	0.5000		
Copper, total	ug/L	MW-13	06/27/2023	ND	4.0000		
Copper, total	ug/L	MW-13	10/09/2023	ND	4.0000		
Copper, total	ug/L	MW-13	04/04/2024	ND	4.0000		
Copper, total	ug/L	MW-13	10/16/2024	ND	4.0000		
Copper, total	ug/L	MW-13	04/07/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-13	06/27/2023	ND	4.0000		
Lead, total	ug/L	MW-13	10/09/2023	ND	4.0000		
Lead, total	ug/L	MW-13	04/04/2024	ND	4.0000		
Lead, total	ug/L	MW-13	10/16/2024	ND	4.0000		
Lead, total	ug/L	MW-13	04/07/2025	ND	1.0000		*
Nickel, total	ug/L	MW-13	06/27/2023	ND	4.0000		
Nickel, total	ug/L	MW-13	10/09/2023	ND	4.0000		
Nickel, total	ug/L	MW-13	04/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-13	10/16/2024	ND	4.0000		
Nickel, total	ug/L	MW-13	04/07/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-13	06/27/2023	ND	4.0000		
Selenium, total	ug/L	MW-13	10/09/2023	ND	4.0000		
Selenium, total	ug/L	MW-13	04/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-13	10/16/2024	ND	4.0000		
Selenium, total	ug/L	MW-13	04/07/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-13	06/27/2023	ND	4.0000		
Silver, total	ug/L	MW-13	10/09/2023	ND	4.0000		
Silver, total	ug/L	MW-13	04/04/2024	ND	4.0000		
Silver, total	ug/L	MW-13	10/16/2024	ND	4.0000		
Silver, total	ug/L	MW-13	04/07/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-13	06/27/2023	ND	2.0000		
Thallium, total	ug/L	MW-13	10/09/2023	ND	2.0000		
Thallium, total	ug/L	MW-13	04/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-13	10/16/2024	ND	2.0000		
Thallium, total	ug/L	MW-13	04/07/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-13	06/27/2023	ND	20.0000		
Vanadium, total	ug/L	MW-13	10/09/2023	ND	20.0000		
Vanadium, total	ug/L	MW-13	04/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-13	10/16/2024	ND	20.0000		
Vanadium, total	ug/L	MW-13	04/07/2025	ND	2.0000		*
Zinc, total	ug/L	MW-13	06/27/2023	ND	20.0000		
Zinc, total	ug/L	MW-13	10/09/2023	ND	20.0000		
Zinc, total	ug/L	MW-13	04/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-13	10/16/2024	ND	20.0000		
Zinc, total	ug/L	MW-13	04/07/2025	ND	5.0000		*
Antimony, total	ug/L	MW-17	04/07/2014	ND	2.0000		
Antimony, total	ug/L	MW-17	10/23/2014	ND	2.0000		
Antimony, total	ug/L	MW-17	01/16/2015	ND	2.0000		
Antimony, total	ug/L	MW-17	04/02/2015	ND	2.0000		
Antimony, total	ug/L	MW-17	09/15/2015	ND	2.0000		
Antimony, total	ug/L	MW-17	10/26/2015	ND	2.0000		
Antimony, total	ug/L	MW-17	04/01/2016	ND	2.0000		
Antimony, total	ug/L	MW-17	10/19/2016	ND	2.0000		
Antimony, total	ug/L	MW-17	04/17/2017	ND	2.0000		
Antimony, total	ug/L	MW-17	10/11/2017	ND	2.0000		
Antimony, total	ug/L	MW-17	06/01/2018	ND	2.0000		
Antimony, total	ug/L	MW-17	10/03/2018	ND	2.0000		
Antimony, total	ug/L	MW-17	04/08/2019	ND	2.0000		
Antimony, total	ug/L	MW-17	10/11/2019	ND	2.0000		
Antimony, total	ug/L	MW-17	04/27/2020	ND	2.0000		
Antimony, total	ug/L	MW-17	10/09/2020	ND	2.0000		
Antimony, total	ug/L	MW-17	04/09/2021	ND	2.0000		
Antimony, total	ug/L	MW-17	10/25/2021	ND	2.0000		
Antimony, total	ug/L	MW-17	04/11/2022	ND	2.0000		
Antimony, total	ug/L	MW-17	10/12/2022	ND	2.0000		
Antimony, total	ug/L	MW-17	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-17	10/09/2023	ND	2.0000		
Antimony, total	ug/L	MW-17	04/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-17	10/16/2024	ND	2.0000		
Antimony, total	ug/L	MW-17	04/07/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-17	10/20/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-17	04/07/2014		30.9000		
Arsenic, total	ug/L	MW-17	10/23/2014		11.5000		
Arsenic, total	ug/L	MW-17	01/16/2015		17.0000		
Arsenic, total	ug/L	MW-17	04/02/2015		53.7000		*
Arsenic, total	ug/L	MW-17	09/15/2015		7.9000		
Arsenic, total	ug/L	MW-17	10/26/2015		7.7000		
Arsenic, total	ug/L	MW-17	04/01/2016		22.1000		

* - 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	
Arsenic, total	ug/L	MW-17	10/19/2016		4.9000		
Arsenic, total	ug/L	MW-17	04/17/2017		136.0000		*
Arsenic, total	ug/L	MW-17	10/11/2017		8.0000		
Arsenic, total	ug/L	MW-17	06/01/2018		49.3000		
Arsenic, total	ug/L	MW-17	10/03/2018		12.1000		
Arsenic, total	ug/L	MW-17	04/08/2019		11.1000		
Arsenic, total	ug/L	MW-17	10/11/2019		12.9000		
Arsenic, total	ug/L	MW-17	04/27/2020		12.2000		
Arsenic, total	ug/L	MW-17	10/09/2020		6.9000		
Arsenic, total	ug/L	MW-17	04/09/2021		4.2000		
Arsenic, total	ug/L	MW-17	10/25/2021	ND	4.0000		
Arsenic, total	ug/L	MW-17	04/11/2022		15.5000		
Arsenic, total	ug/L	MW-17	10/12/2022		8.2000		
Arsenic, total	ug/L	MW-17	04/06/2023		12.7000		
Arsenic, total	ug/L	MW-17	10/09/2023		4.4000		
Arsenic, total	ug/L	MW-17	04/04/2024		30.3000		
Arsenic, total	ug/L	MW-17	10/16/2024		5.6000		
Arsenic, total	ug/L	MW-17	04/07/2025		22.1000		
Arsenic, total	ug/L	MW-17	10/20/2025		2.6000		
Barium, total	ug/L	MW-17	04/07/2014		374.0000		
Barium, total	ug/L	MW-17	10/23/2014		167.0000		
Barium, total	ug/L	MW-17	01/16/2015		293.0000		
Barium, total	ug/L	MW-17	04/02/2015		589.0000		
Barium, total	ug/L	MW-17	09/15/2015		148.0000		
Barium, total	ug/L	MW-17	10/26/2015		140.0000		
Barium, total	ug/L	MW-17	04/01/2016		475.0000		
Barium, total	ug/L	MW-17	10/19/2016		183.0000		
Barium, total	ug/L	MW-17	04/17/2017		1010.0000		*
Barium, total	ug/L	MW-17	10/11/2017		168.0000		
Barium, total	ug/L	MW-17	06/01/2018		373.0000		
Barium, total	ug/L	MW-17	10/03/2018		174.0000		
Barium, total	ug/L	MW-17	04/08/2019		217.0000		
Barium, total	ug/L	MW-17	10/11/2019		222.0000		
Barium, total	ug/L	MW-17	04/27/2020		338.0000		
Barium, total	ug/L	MW-17	10/09/2020		161.0000		
Barium, total	ug/L	MW-17	04/09/2021		235.0000		
Barium, total	ug/L	MW-17	10/25/2021		146.0000		
Barium, total	ug/L	MW-17	04/11/2022		421.0000		
Barium, total	ug/L	MW-17	10/12/2022		175.0000		
Barium, total	ug/L	MW-17	04/06/2023		263.0000		
Barium, total	ug/L	MW-17	10/09/2023		151.0000		
Barium, total	ug/L	MW-17	04/04/2024		358.0000		
Barium, total	ug/L	MW-17	10/16/2024		135.0000		
Barium, total	ug/L	MW-17	04/07/2025		370.0000		
Barium, total	ug/L	MW-17	10/20/2025		164.0000		
Beryllium, total	ug/L	MW-17	04/07/2014	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/23/2014	ND	4.0000		
Beryllium, total	ug/L	MW-17	01/16/2015	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/02/2015	ND	4.0000		
Beryllium, total	ug/L	MW-17	09/15/2015	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/26/2015	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/01/2016	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/19/2016	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/17/2017	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/11/2017	ND	4.0000		
Beryllium, total	ug/L	MW-17	06/01/2018	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/03/2018	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/08/2019	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/11/2019	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/27/2020	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/09/2020	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/09/2021	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/25/2021	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/11/2022	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/12/2022	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/09/2023	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/16/2024	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/07/2025	ND	0.5000		*
Beryllium, total	ug/L	MW-17	10/20/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-17	04/07/2014		1.0000		
Cadmium, total	ug/L	MW-17	10/23/2014	ND	0.8000		
Cadmium, total	ug/L	MW-17	01/16/2015	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-17	04/02/2015	ND	0.8000		
Cadmium, total	ug/L	MW-17	09/15/2015	ND	0.8000		
Cadmium, total	ug/L	MW-17	10/26/2015	ND	0.8000		
Cadmium, total	ug/L	MW-17	04/01/2016	ND	0.8000		
Cadmium, total	ug/L	MW-17	10/19/2016	ND	0.8000		
Cadmium, total	ug/L	MW-17	04/17/2017	ND	0.8000		
Cadmium, total	ug/L	MW-17	10/11/2017	ND	0.8000		
Cadmium, total	ug/L	MW-17	06/01/2018	ND	0.8000		
Cadmium, total	ug/L	MW-17	10/03/2018		1.0000		
Cadmium, total	ug/L	MW-17	04/08/2019	ND	0.8000		
Cadmium, total	ug/L	MW-17	10/11/2019	ND	0.8000		
Cadmium, total	ug/L	MW-17	04/27/2020	ND	0.8000		
Cadmium, total	ug/L	MW-17	10/09/2020	ND	0.8000		
Cadmium, total	ug/L	MW-17	04/09/2021	ND	0.8000		
Cadmium, total	ug/L	MW-17	10/25/2021	ND	0.8000		
Cadmium, total	ug/L	MW-17	04/11/2022	ND	0.8000		
Cadmium, total	ug/L	MW-17	10/12/2022	ND	0.8000		
Cadmium, total	ug/L	MW-17	04/06/2023		1.7000		
Cadmium, total	ug/L	MW-17	10/09/2023	ND	0.8000		
Cadmium, total	ug/L	MW-17	04/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-17	10/16/2024	ND	0.8000		*
Cadmium, total	ug/L	MW-17	04/07/2025	ND	0.2000		*
Cadmium, total	ug/L	MW-17	10/20/2025		0.2000		
Chromium, total	ug/L	MW-17	04/07/2014	ND	8.0000		
Chromium, total	ug/L	MW-17	10/23/2014	ND	8.0000		
Chromium, total	ug/L	MW-17	01/16/2015	ND	8.0000		
Chromium, total	ug/L	MW-17	04/02/2015	ND	8.0000		
Chromium, total	ug/L	MW-17	09/15/2015	ND	8.0000		
Chromium, total	ug/L	MW-17	10/26/2015	ND	8.0000		
Chromium, total	ug/L	MW-17	04/01/2016	ND	8.0000		
Chromium, total	ug/L	MW-17	10/19/2016	ND	8.0000		
Chromium, total	ug/L	MW-17	04/17/2017	ND	8.0000		
Chromium, total	ug/L	MW-17	10/11/2017	ND	8.0000		
Chromium, total	ug/L	MW-17	06/01/2018	ND	8.0000		
Chromium, total	ug/L	MW-17	10/03/2018	ND	8.0000		
Chromium, total	ug/L	MW-17	04/08/2019	ND	8.0000		
Chromium, total	ug/L	MW-17	10/11/2019	ND	8.0000		
Chromium, total	ug/L	MW-17	04/27/2020	ND	8.0000		
Chromium, total	ug/L	MW-17	10/09/2020	ND	8.0000		
Chromium, total	ug/L	MW-17	04/09/2021	ND	8.0000		
Chromium, total	ug/L	MW-17	10/25/2021	ND	8.0000		
Chromium, total	ug/L	MW-17	04/11/2022	ND	8.0000		
Chromium, total	ug/L	MW-17	10/12/2022	ND	8.0000		
Chromium, total	ug/L	MW-17	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-17	10/09/2023	ND	8.0000		
Chromium, total	ug/L	MW-17	04/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-17	10/16/2024	ND	8.0000		*
Chromium, total	ug/L	MW-17	04/07/2025	ND	1.0000		*
Chromium, total	ug/L	MW-17	10/20/2025	ND	1.0000		
Cobalt, total	ug/L	MW-17	04/07/2014	ND	4.0000		*
Cobalt, total	ug/L	MW-17	10/23/2014	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	01/16/2015	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	04/02/2015	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	09/15/2015	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	10/26/2015	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	04/01/2016	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	10/19/2016	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	04/17/2017	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	10/11/2017	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	06/01/2018	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	10/03/2018	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	04/08/2019	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	10/11/2019	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-17	04/27/2020	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-17	10/09/2020	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-17	04/09/2021	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-17	10/25/2021	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-17	04/11/2022	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-17	10/12/2022		2.2000		
Cobalt, total	ug/L	MW-17	04/06/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-17	10/09/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-17	04/04/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-17	10/16/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-17	04/07/2025	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	
Cobalt, total	ug/L	MW-17	10/20/2025	ND	0.5000		
Copper, total	ug/L	MW-17	04/07/2014		61.5000		*
Copper, total	ug/L	MW-17	10/23/2014	ND	4.0000		
Copper, total	ug/L	MW-17	01/16/2015	ND	4.0000		
Copper, total	ug/L	MW-17	04/02/2015	ND	4.0000		
Copper, total	ug/L	MW-17	09/15/2015	ND	4.0000		
Copper, total	ug/L	MW-17	10/26/2015	ND	4.0000		
Copper, total	ug/L	MW-17	04/01/2016	ND	4.0000		
Copper, total	ug/L	MW-17	10/19/2016	ND	4.0000		
Copper, total	ug/L	MW-17	04/17/2017	ND	4.0000		
Copper, total	ug/L	MW-17	10/11/2017	ND	4.0000		
Copper, total	ug/L	MW-17	06/01/2018	ND	4.0000		
Copper, total	ug/L	MW-17	10/03/2018		4.8000		
Copper, total	ug/L	MW-17	04/08/2019	ND	4.0000		
Copper, total	ug/L	MW-17	10/11/2019	ND	4.0000		
Copper, total	ug/L	MW-17	04/27/2020	ND	4.0000		
Copper, total	ug/L	MW-17	10/09/2020	ND	4.0000		
Copper, total	ug/L	MW-17	04/09/2021	ND	4.0000		
Copper, total	ug/L	MW-17	10/25/2021	ND	4.0000		
Copper, total	ug/L	MW-17	04/11/2022	ND	4.0000		
Copper, total	ug/L	MW-17	10/12/2022	ND	4.0000		
Copper, total	ug/L	MW-17	04/06/2023	ND	4.0000		
Copper, total	ug/L	MW-17	10/09/2023	ND	4.0000		
Copper, total	ug/L	MW-17	04/04/2024	ND	4.0000		
Copper, total	ug/L	MW-17	10/16/2024	ND	4.0000		
Copper, total	ug/L	MW-17	04/07/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-17	10/20/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-17	04/07/2014	ND	4.0000		
Lead, total	ug/L	MW-17	10/23/2014	ND	4.0000		
Lead, total	ug/L	MW-17	01/16/2015	ND	4.0000		
Lead, total	ug/L	MW-17	04/02/2015	ND	4.0000		
Lead, total	ug/L	MW-17	09/15/2015	ND	4.0000		
Lead, total	ug/L	MW-17	10/26/2015	ND	4.0000		
Lead, total	ug/L	MW-17	04/01/2016	ND	4.0000		
Lead, total	ug/L	MW-17	10/19/2016	ND	4.0000		
Lead, total	ug/L	MW-17	04/17/2017	ND	4.0000		
Lead, total	ug/L	MW-17	10/11/2017	ND	4.0000		
Lead, total	ug/L	MW-17	06/01/2018	ND	4.0000		
Lead, total	ug/L	MW-17	10/03/2018	ND	4.0000		
Lead, total	ug/L	MW-17	04/08/2019	ND	4.0000		
Lead, total	ug/L	MW-17	10/11/2019	ND	4.0000		
Lead, total	ug/L	MW-17	04/27/2020	ND	4.0000		
Lead, total	ug/L	MW-17	10/09/2020	ND	4.0000		
Lead, total	ug/L	MW-17	04/09/2021	ND	4.0000		
Lead, total	ug/L	MW-17	10/25/2021	ND	4.0000		
Lead, total	ug/L	MW-17	04/11/2022	ND	4.0000		
Lead, total	ug/L	MW-17	10/12/2022	ND	4.0000		
Lead, total	ug/L	MW-17	04/06/2023	ND	4.0000		
Lead, total	ug/L	MW-17	10/09/2023	ND	4.0000		
Lead, total	ug/L	MW-17	04/04/2024	ND	4.0000		
Lead, total	ug/L	MW-17	10/16/2024	ND	4.0000		
Lead, total	ug/L	MW-17	04/07/2025	ND	1.0000		*
Lead, total	ug/L	MW-17	10/20/2025	ND	1.0000		*
Nickel, total	ug/L	MW-17	04/07/2014		7.8000		
Nickel, total	ug/L	MW-17	10/23/2014	ND	4.0000		
Nickel, total	ug/L	MW-17	01/16/2015		4.7000		
Nickel, total	ug/L	MW-17	04/02/2015		5.6000		
Nickel, total	ug/L	MW-17	09/15/2015	ND	4.0000		
Nickel, total	ug/L	MW-17	10/26/2015	ND	4.0000		
Nickel, total	ug/L	MW-17	04/01/2016	ND	4.0000		
Nickel, total	ug/L	MW-17	10/19/2016		5.1000		
Nickel, total	ug/L	MW-17	04/17/2017		6.0000		
Nickel, total	ug/L	MW-17	10/11/2017	ND	4.0000		
Nickel, total	ug/L	MW-17	06/01/2018		4.6000		
Nickel, total	ug/L	MW-17	10/03/2018		4.3000		
Nickel, total	ug/L	MW-17	04/08/2019		4.6000		
Nickel, total	ug/L	MW-17	10/11/2019	ND	4.0000		
Nickel, total	ug/L	MW-17	04/27/2020	ND	4.0000		
Nickel, total	ug/L	MW-17	10/09/2020	ND	4.0000		
Nickel, total	ug/L	MW-17	04/09/2021	ND	4.0000		
Nickel, total	ug/L	MW-17	10/25/2021		4.7000		
Nickel, total	ug/L	MW-17	04/11/2022		5.0000		
Nickel, total	ug/L	MW-17	10/12/2022	ND	4.0000		
Nickel, total	ug/L	MW-17	04/06/2023	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	
Nickel, total	ug/L	MW-17	10/09/2023	ND	4.0000		
Nickel, total	ug/L	MW-17	04/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-17	10/16/2024	ND	4.0000		
Nickel, total	ug/L	MW-17	04/07/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-17	10/20/2025	ND	6.8000		
Selenium, total	ug/L	MW-17	04/07/2014	ND	4.0000		
Selenium, total	ug/L	MW-17	10/23/2014	ND	4.0000		
Selenium, total	ug/L	MW-17	01/16/2015	ND	4.0000		
Selenium, total	ug/L	MW-17	04/02/2015	ND	4.0000		
Selenium, total	ug/L	MW-17	09/15/2015	ND	4.0000		
Selenium, total	ug/L	MW-17	10/26/2015	ND	4.0000		
Selenium, total	ug/L	MW-17	04/01/2016	ND	4.0000		
Selenium, total	ug/L	MW-17	10/19/2016	ND	4.0000		
Selenium, total	ug/L	MW-17	04/17/2017	ND	4.0000		
Selenium, total	ug/L	MW-17	10/11/2017	ND	4.0000		
Selenium, total	ug/L	MW-17	06/01/2018	ND	4.0000		
Selenium, total	ug/L	MW-17	10/03/2018	ND	4.0000		
Selenium, total	ug/L	MW-17	04/08/2019	ND	4.0000		
Selenium, total	ug/L	MW-17	10/11/2019	ND	4.0000		
Selenium, total	ug/L	MW-17	04/27/2020	ND	4.0000		
Selenium, total	ug/L	MW-17	10/09/2020	ND	4.0000		
Selenium, total	ug/L	MW-17	04/09/2021	ND	4.0000		
Selenium, total	ug/L	MW-17	10/25/2021	ND	4.0000		
Selenium, total	ug/L	MW-17	04/11/2022	ND	4.0000		
Selenium, total	ug/L	MW-17	10/12/2022	ND	4.0000		
Selenium, total	ug/L	MW-17	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-17	10/09/2023	ND	4.0000		
Selenium, total	ug/L	MW-17	04/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-17	10/16/2024	ND	4.0000		
Selenium, total	ug/L	MW-17	04/07/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-17	10/20/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-17	04/07/2014	ND	4.0000		
Silver, total	ug/L	MW-17	10/23/2014	ND	4.0000		
Silver, total	ug/L	MW-17	01/16/2015	ND	4.0000		
Silver, total	ug/L	MW-17	04/02/2015	ND	4.0000		
Silver, total	ug/L	MW-17	09/15/2015	ND	4.0000		
Silver, total	ug/L	MW-17	10/26/2015	ND	4.0000		
Silver, total	ug/L	MW-17	04/01/2016	ND	4.0000		
Silver, total	ug/L	MW-17	10/19/2016	ND	4.0000		
Silver, total	ug/L	MW-17	04/17/2017	ND	4.0000		
Silver, total	ug/L	MW-17	10/11/2017	ND	4.0000		
Silver, total	ug/L	MW-17	06/01/2018	ND	8.0000	4.0000	**
Silver, total	ug/L	MW-17	10/03/2018	ND	4.0000		
Silver, total	ug/L	MW-17	04/08/2019	ND	4.0000		
Silver, total	ug/L	MW-17	10/11/2019	ND	4.0000		
Silver, total	ug/L	MW-17	04/27/2020	ND	4.0000		
Silver, total	ug/L	MW-17	10/09/2020	ND	4.0000		
Silver, total	ug/L	MW-17	04/09/2021	ND	4.0000		
Silver, total	ug/L	MW-17	10/25/2021	ND	4.0000		
Silver, total	ug/L	MW-17	04/11/2022	ND	4.0000		
Silver, total	ug/L	MW-17	10/12/2022	ND	4.0000		
Silver, total	ug/L	MW-17	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-17	10/09/2023	ND	4.0000		
Silver, total	ug/L	MW-17	04/04/2024	ND	4.0000		
Silver, total	ug/L	MW-17	10/16/2024	ND	4.0000		
Silver, total	ug/L	MW-17	04/07/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-17	10/20/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-17	04/07/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	10/23/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	01/16/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	04/02/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	09/15/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	10/26/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	04/01/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	10/19/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	04/17/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	10/11/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	06/01/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	10/03/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	04/08/2019	ND	2.0000		
Thallium, total	ug/L	MW-17	10/11/2019	ND	2.0000		
Thallium, total	ug/L	MW-17	04/27/2020	ND	2.0000		
Thallium, total	ug/L	MW-17	10/09/2020	ND	2.0000		
Thallium, total	ug/L	MW-17	04/09/2021	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	
Thallium, total	ug/L	MW-17	10/25/2021	ND	2.0000		
Thallium, total	ug/L	MW-17	04/11/2022	ND	2.0000		
Thallium, total	ug/L	MW-17	10/12/2022	ND	2.0000		
Thallium, total	ug/L	MW-17	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-17	10/09/2023	ND	2.0000		
Thallium, total	ug/L	MW-17	04/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-17	10/16/2024	ND	2.0000		
Thallium, total	ug/L	MW-17	04/07/2025	ND	0.5000		*
Thallium, total	ug/L	MW-17	10/20/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-17	04/07/2014	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/23/2014	ND	20.0000		
Vanadium, total	ug/L	MW-17	01/16/2015	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/02/2015	ND	20.0000		
Vanadium, total	ug/L	MW-17	09/15/2015	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/26/2015	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/01/2016	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/19/2016	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/17/2017	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/11/2017	ND	20.0000		
Vanadium, total	ug/L	MW-17	06/01/2018	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/03/2018	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/08/2019	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/11/2019	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/27/2020	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/09/2020	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/09/2021	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/25/2021	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/11/2022	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/12/2022	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/09/2023	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/16/2024	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/07/2025	ND	2.0000		*
Vanadium, total	ug/L	MW-17	10/20/2025	ND	2.0000		*
Zinc, total	ug/L	MW-17	04/07/2014	ND	20.0000		
Zinc, total	ug/L	MW-17	10/23/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	01/16/2015	ND	20.0000		
Zinc, total	ug/L	MW-17	04/02/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	09/15/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	10/26/2015	ND	20.0000		
Zinc, total	ug/L	MW-17	04/01/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	10/19/2016		14.4000		
Zinc, total	ug/L	MW-17	04/17/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	10/11/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	06/01/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	10/03/2018		21.0000		
Zinc, total	ug/L	MW-17	04/08/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	10/11/2019		32.2000		
Zinc, total	ug/L	MW-17	04/27/2020	ND	20.0000		
Zinc, total	ug/L	MW-17	10/09/2020	ND	20.0000		
Zinc, total	ug/L	MW-17	04/09/2021	ND	20.0000		
Zinc, total	ug/L	MW-17	10/25/2021	ND	20.0000		
Zinc, total	ug/L	MW-17	04/11/2022	ND	20.0000		
Zinc, total	ug/L	MW-17	10/12/2022	ND	20.0000		
Zinc, total	ug/L	MW-17	04/06/2023	ND	20.0000		
Zinc, total	ug/L	MW-17	10/09/2023	ND	20.0000		
Zinc, total	ug/L	MW-17	04/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-17	10/16/2024	ND	20.0000		
Zinc, total	ug/L	MW-17	04/07/2025		7.2000		
Zinc, total	ug/L	MW-17	10/20/2025	ND	5.0000	20.0000	**
Antimony, total	ug/L	MW-18	04/29/2020	ND	2.0000		
Antimony, total	ug/L	MW-18	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-18	10/09/2023	ND	2.0000		
Antimony, total	ug/L	MW-18	04/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-18	10/16/2024	ND	2.0000		
Antimony, total	ug/L	MW-18	04/07/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-18	10/20/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-18	04/29/2020		4.3000		
Arsenic, total	ug/L	MW-18	04/06/2023		6.9000		
Arsenic, total	ug/L	MW-18	10/09/2023		4.5000		
Arsenic, total	ug/L	MW-18	04/04/2024		6.7000		
Arsenic, total	ug/L	MW-18	10/16/2024		6.0000		
Arsenic, total	ug/L	MW-18	04/07/2025		6.2000		

* - 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	
Arsenic, total	ug/L	MW-18	10/20/2025		7.4000		
Barium, total	ug/L	MW-18	04/29/2020		65.7000		
Barium, total	ug/L	MW-18	04/06/2023		48.1000		
Barium, total	ug/L	MW-18	10/09/2023		46.8000		
Barium, total	ug/L	MW-18	04/04/2024		43.8000		
Barium, total	ug/L	MW-18	10/16/2024		45.6000		
Barium, total	ug/L	MW-18	04/07/2025		55.1000		
Barium, total	ug/L	MW-18	10/20/2025		50.9000		
Beryllium, total	ug/L	MW-18	04/29/2020	ND	4.0000		
Beryllium, total	ug/L	MW-18	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-18	10/09/2023	ND	4.0000		
Beryllium, total	ug/L	MW-18	04/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-18	10/16/2024	ND	4.0000		
Beryllium, total	ug/L	MW-18	04/07/2025	ND	0.5000		*
Beryllium, total	ug/L	MW-18	10/20/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-18	04/29/2020	ND	0.8000		
Cadmium, total	ug/L	MW-18	04/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-18	10/09/2023	ND	0.8000		
Cadmium, total	ug/L	MW-18	04/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-18	10/16/2024	ND	0.8000		
Cadmium, total	ug/L	MW-18	04/07/2025	ND	0.2000		*
Cadmium, total	ug/L	MW-18	10/20/2025	ND	0.2000		*
Chromium, total	ug/L	MW-18	04/29/2020	ND	8.0000		
Chromium, total	ug/L	MW-18	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-18	10/09/2023	ND	8.0000		
Chromium, total	ug/L	MW-18	04/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-18	10/16/2024	ND	8.0000		
Chromium, total	ug/L	MW-18	04/07/2025		1.0000		*
Chromium, total	ug/L	MW-18	10/20/2025	ND	1.0000		*
Cobalt, total	ug/L	MW-18	04/29/2020		0.5000		
Cobalt, total	ug/L	MW-18	04/06/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-18	10/09/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-18	04/04/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-18	10/16/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-18	04/07/2025	ND	0.5000		
Cobalt, total	ug/L	MW-18	10/20/2025	ND	0.5000		
Copper, total	ug/L	MW-18	04/29/2020	ND	4.0000		
Copper, total	ug/L	MW-18	04/06/2023		23.9000		*
Copper, total	ug/L	MW-18	10/09/2023	ND	4.0000		
Copper, total	ug/L	MW-18	04/04/2024	ND	4.0000		
Copper, total	ug/L	MW-18	10/16/2024	ND	4.0000		
Copper, total	ug/L	MW-18	04/07/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-18	10/20/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-18	04/29/2020	ND	4.0000		
Lead, total	ug/L	MW-18	04/06/2023	ND	4.0000		
Lead, total	ug/L	MW-18	10/09/2023	ND	4.0000		
Lead, total	ug/L	MW-18	04/04/2024	ND	4.0000		
Lead, total	ug/L	MW-18	10/16/2024	ND	4.0000		
Lead, total	ug/L	MW-18	04/07/2025	ND	1.0000		*
Lead, total	ug/L	MW-18	10/20/2025	ND	1.0000		*
Nickel, total	ug/L	MW-18	04/29/2020	ND	4.0000		
Nickel, total	ug/L	MW-18	04/06/2023	ND	4.0000		
Nickel, total	ug/L	MW-18	10/09/2023	ND	4.0000		
Nickel, total	ug/L	MW-18	04/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-18	10/16/2024	ND	4.0000		
Nickel, total	ug/L	MW-18	04/07/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-18	10/20/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-18	04/29/2020	ND	4.0000		
Selenium, total	ug/L	MW-18	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-18	10/09/2023	ND	4.0000		
Selenium, total	ug/L	MW-18	04/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-18	10/16/2024	ND	4.0000		
Selenium, total	ug/L	MW-18	04/07/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-18	10/20/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-18	04/29/2020	ND	4.0000		
Silver, total	ug/L	MW-18	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-18	10/09/2023	ND	4.0000		
Silver, total	ug/L	MW-18	04/04/2024	ND	4.0000		
Silver, total	ug/L	MW-18	10/16/2024	ND	4.0000		
Silver, total	ug/L	MW-18	04/07/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-18	10/20/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-18	04/29/2020	ND	2.0000		
Thallium, total	ug/L	MW-18	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-18	10/09/2023	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-18	04/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-18	10/16/2024	ND	2.0000		
Thallium, total	ug/L	MW-18	04/07/2025	ND	0.5000		*
Thallium, total	ug/L	MW-18	10/20/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-18	04/29/2020	ND	20.0000		
Vanadium, total	ug/L	MW-18	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-18	10/09/2023	ND	20.0000		
Vanadium, total	ug/L	MW-18	04/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-18	10/16/2024	ND	20.0000		
Vanadium, total	ug/L	MW-18	04/07/2025	ND	2.0000		*
Vanadium, total	ug/L	MW-18	10/20/2025	ND	2.0000		*
Zinc, total	ug/L	MW-18	04/29/2020	ND	20.0000		
Zinc, total	ug/L	MW-18	04/06/2023	ND	20.0000		
Zinc, total	ug/L	MW-18	10/09/2023	ND	20.0000		
Zinc, total	ug/L	MW-18	04/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-18	10/16/2024	ND	20.0000		
Zinc, total	ug/L	MW-18	04/07/2025		5.5000		*
Zinc, total	ug/L	MW-18	10/20/2025		5.5000		*
Antimony, total	ug/L	MW-19	04/29/2020	ND	2.0000		
Antimony, total	ug/L	MW-19	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-19	10/09/2023	ND	2.0000		
Antimony, total	ug/L	MW-19	04/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-19	10/16/2024	ND	2.0000		
Antimony, total	ug/L	MW-19	04/07/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-19	10/20/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-19	04/29/2020	ND	4.0000		
Arsenic, total	ug/L	MW-19	04/06/2023		4.1000		
Arsenic, total	ug/L	MW-19	10/09/2023		4.2000		
Arsenic, total	ug/L	MW-19	04/04/2024		4.8000		
Arsenic, total	ug/L	MW-19	10/16/2024		4.5000		
Arsenic, total	ug/L	MW-19	04/07/2025		2.6000		
Arsenic, total	ug/L	MW-19	10/20/2025		2.9000		
Barium, total	ug/L	MW-19	04/29/2020		184.0000		
Barium, total	ug/L	MW-19	04/06/2023		210.0000		
Barium, total	ug/L	MW-19	10/09/2023		220.0000		
Barium, total	ug/L	MW-19	04/04/2024		211.0000		
Barium, total	ug/L	MW-19	10/16/2024		207.0000		
Barium, total	ug/L	MW-19	04/07/2025		217.0000		
Barium, total	ug/L	MW-19	10/20/2025		207.0000		
Beryllium, total	ug/L	MW-19	04/29/2020	ND	4.0000		
Beryllium, total	ug/L	MW-19	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-19	10/09/2023	ND	4.0000		
Beryllium, total	ug/L	MW-19	04/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-19	10/16/2024	ND	4.0000		
Beryllium, total	ug/L	MW-19	04/07/2025	ND	0.5000		*
Beryllium, total	ug/L	MW-19	10/20/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-19	04/29/2020	ND	0.8000		
Cadmium, total	ug/L	MW-19	04/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-19	10/09/2023	ND	0.8000		
Cadmium, total	ug/L	MW-19	04/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-19	10/16/2024	ND	0.8000		
Cadmium, total	ug/L	MW-19	04/07/2025	ND	0.2000		*
Cadmium, total	ug/L	MW-19	10/20/2025	ND	0.2000		*
Chromium, total	ug/L	MW-19	04/29/2020	ND	8.0000		
Chromium, total	ug/L	MW-19	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-19	10/09/2023	ND	8.0000		
Chromium, total	ug/L	MW-19	04/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-19	10/16/2024	ND	8.0000		
Chromium, total	ug/L	MW-19	04/07/2025	ND	1.0000		*
Chromium, total	ug/L	MW-19	10/20/2025	ND	1.0000		*
Cobalt, total	ug/L	MW-19	04/29/2020	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-19	04/06/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-19	10/09/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-19	04/04/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-19	10/16/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-19	04/07/2025	ND	0.5000		
Cobalt, total	ug/L	MW-19	10/20/2025	ND	0.5000		
Copper, total	ug/L	MW-19	04/29/2020	ND	4.0000		
Copper, total	ug/L	MW-19	04/06/2023	ND	4.0000		
Copper, total	ug/L	MW-19	10/09/2023	ND	4.0000		
Copper, total	ug/L	MW-19	04/04/2024	ND	4.0000		
Copper, total	ug/L	MW-19	10/16/2024	ND	4.0000		
Copper, total	ug/L	MW-19	04/07/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-19	10/20/2025	ND	5.0000	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	
Lead, total	ug/L	MW-19	04/29/2020	ND	4.0000		
Lead, total	ug/L	MW-19	04/06/2023	ND	4.0000		
Lead, total	ug/L	MW-19	10/09/2023	ND	4.0000		
Lead, total	ug/L	MW-19	04/04/2024	ND	4.0000		
Lead, total	ug/L	MW-19	10/16/2024	ND	4.0000		
Lead, total	ug/L	MW-19	04/07/2025	ND	1.0000		*
Lead, total	ug/L	MW-19	10/20/2025	ND	1.0000		*
Nickel, total	ug/L	MW-19	04/29/2020	ND	4.0000		
Nickel, total	ug/L	MW-19	04/06/2023	ND	4.0000		
Nickel, total	ug/L	MW-19	10/09/2023	ND	4.0000		
Nickel, total	ug/L	MW-19	04/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-19	10/16/2024	ND	4.0000		
Nickel, total	ug/L	MW-19	04/07/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-19	10/20/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-19	04/29/2020	ND	4.0000		
Selenium, total	ug/L	MW-19	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-19	10/09/2023	ND	4.0000		
Selenium, total	ug/L	MW-19	04/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-19	10/16/2024	ND	4.0000		
Selenium, total	ug/L	MW-19	04/07/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-19	10/20/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-19	04/29/2020	ND	4.0000		
Silver, total	ug/L	MW-19	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-19	10/09/2023	ND	4.0000		
Silver, total	ug/L	MW-19	04/04/2024	ND	4.0000		
Silver, total	ug/L	MW-19	10/16/2024	ND	4.0000		
Silver, total	ug/L	MW-19	04/07/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-19	10/20/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-19	04/29/2020	ND	2.0000		
Thallium, total	ug/L	MW-19	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-19	10/09/2023	ND	2.0000		
Thallium, total	ug/L	MW-19	04/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-19	10/16/2024	ND	2.0000		
Thallium, total	ug/L	MW-19	04/07/2025	ND	0.5000		*
Thallium, total	ug/L	MW-19	10/20/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-19	04/29/2020	ND	20.0000		
Vanadium, total	ug/L	MW-19	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-19	10/09/2023	ND	20.0000		
Vanadium, total	ug/L	MW-19	04/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-19	10/16/2024	ND	20.0000		
Vanadium, total	ug/L	MW-19	04/07/2025	ND	2.0000		*
Vanadium, total	ug/L	MW-19	10/20/2025	ND	2.0000		*
Zinc, total	ug/L	MW-19	04/29/2020	ND	20.0000		
Zinc, total	ug/L	MW-19	04/06/2023	ND	20.0000		
Zinc, total	ug/L	MW-19	10/09/2023	ND	20.0000		
Zinc, total	ug/L	MW-19	04/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-19	10/16/2024	ND	20.0000		
Zinc, total	ug/L	MW-19	04/07/2025	ND	5.0000		*
Zinc, total	ug/L	MW-19	10/20/2025	ND	5.0000		*
Antimony, total	ug/L	MW-20	04/29/2020	ND	2.0000		
Antimony, total	ug/L	MW-20	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-20	10/09/2023	ND	2.0000		
Antimony, total	ug/L	MW-20	04/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-20	10/16/2024	ND	2.0000		
Antimony, total	ug/L	MW-20	04/07/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-20	10/20/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-20	04/29/2020	ND	4.0000		
Arsenic, total	ug/L	MW-20	04/06/2023	ND	4.0000		
Arsenic, total	ug/L	MW-20	10/09/2023		6.0000		
Arsenic, total	ug/L	MW-20	04/04/2024		5.7000		
Arsenic, total	ug/L	MW-20	10/16/2024		6.4000		
Arsenic, total	ug/L	MW-20	04/07/2025		4.1000		
Arsenic, total	ug/L	MW-20	10/20/2025		6.9000		
Barium, total	ug/L	MW-20	04/29/2020		127.0000		
Barium, total	ug/L	MW-20	04/06/2023		123.0000		
Barium, total	ug/L	MW-20	10/09/2023		127.0000		
Barium, total	ug/L	MW-20	04/04/2024		127.0000		
Barium, total	ug/L	MW-20	10/16/2024		103.0000		
Barium, total	ug/L	MW-20	04/07/2025		122.0000		
Barium, total	ug/L	MW-20	10/20/2025		130.0000		
Beryllium, total	ug/L	MW-20	04/29/2020	ND	4.0000		
Beryllium, total	ug/L	MW-20	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-20	10/09/2023	ND	4.0000		
Beryllium, total	ug/L	MW-20	04/04/2024	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	
Beryllium, total	ug/L	MW-20	10/16/2024	ND	4.0000		
Beryllium, total	ug/L	MW-20	04/07/2025	ND	0.5000		*
Beryllium, total	ug/L	MW-20	10/20/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-20	04/29/2020	ND	0.8000		
Cadmium, total	ug/L	MW-20	04/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-20	10/09/2023	ND	0.8000		
Cadmium, total	ug/L	MW-20	04/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-20	10/16/2024	ND	0.8000		
Cadmium, total	ug/L	MW-20	04/07/2025	ND	0.2000		*
Cadmium, total	ug/L	MW-20	10/20/2025	ND	0.2000		*
Chromium, total	ug/L	MW-20	04/29/2020	ND	8.0000		
Chromium, total	ug/L	MW-20	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-20	10/09/2023	ND	8.0000		
Chromium, total	ug/L	MW-20	04/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-20	10/16/2024	ND	8.0000		
Chromium, total	ug/L	MW-20	04/07/2025	ND	1.0000		*
Chromium, total	ug/L	MW-20	10/20/2025	ND	1.0000		*
Cobalt, total	ug/L	MW-20	04/29/2020	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-20	04/06/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-20	10/09/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-20	04/04/2024		0.7000		
Cobalt, total	ug/L	MW-20	10/16/2024		0.4000		
Cobalt, total	ug/L	MW-20	04/07/2025	ND	0.5000		
Cobalt, total	ug/L	MW-20	10/20/2025	ND	0.5000		
Copper, total	ug/L	MW-20	04/29/2020	ND	4.0000		
Copper, total	ug/L	MW-20	04/06/2023	ND	4.0000		
Copper, total	ug/L	MW-20	10/09/2023	ND	4.0000		
Copper, total	ug/L	MW-20	04/04/2024	ND	4.0000		
Copper, total	ug/L	MW-20	10/16/2024	ND	4.0000		
Copper, total	ug/L	MW-20	04/07/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-20	10/20/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-20	04/29/2020	ND	4.0000		
Lead, total	ug/L	MW-20	04/06/2023	ND	4.0000		
Lead, total	ug/L	MW-20	10/09/2023	ND	4.0000		
Lead, total	ug/L	MW-20	04/04/2024	ND	4.0000		
Lead, total	ug/L	MW-20	10/16/2024	ND	4.0000		
Lead, total	ug/L	MW-20	04/07/2025	ND	1.0000		*
Lead, total	ug/L	MW-20	10/20/2025	ND	1.0000		*
Nickel, total	ug/L	MW-20	04/29/2020	ND	4.0000		
Nickel, total	ug/L	MW-20	04/06/2023	ND	4.0000		
Nickel, total	ug/L	MW-20	10/09/2023	ND	4.0000		
Nickel, total	ug/L	MW-20	04/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-20	10/16/2024	ND	4.0000		
Nickel, total	ug/L	MW-20	04/07/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-20	10/20/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-20	04/29/2020	ND	4.0000		
Selenium, total	ug/L	MW-20	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-20	10/09/2023	ND	4.0000		
Selenium, total	ug/L	MW-20	04/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-20	10/16/2024	ND	4.0000		
Selenium, total	ug/L	MW-20	04/07/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-20	10/20/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-20	04/29/2020	ND	4.0000		
Silver, total	ug/L	MW-20	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-20	10/09/2023	ND	4.0000		
Silver, total	ug/L	MW-20	04/04/2024	ND	4.0000		
Silver, total	ug/L	MW-20	10/16/2024	ND	4.0000		
Silver, total	ug/L	MW-20	04/07/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-20	10/20/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-20	04/29/2020	ND	2.0000		
Thallium, total	ug/L	MW-20	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-20	10/09/2023	ND	2.0000		
Thallium, total	ug/L	MW-20	04/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-20	10/16/2024	ND	2.0000		
Thallium, total	ug/L	MW-20	04/07/2025	ND	0.5000		*
Thallium, total	ug/L	MW-20	10/20/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-20	04/29/2020	ND	20.0000		
Vanadium, total	ug/L	MW-20	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-20	10/09/2023	ND	20.0000		
Vanadium, total	ug/L	MW-20	04/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-20	10/16/2024	ND	20.0000		
Vanadium, total	ug/L	MW-20	04/07/2025	ND	2.0000		*
Vanadium, total	ug/L	MW-20	10/20/2025	ND	2.0000		*
Zinc, total	ug/L	MW-20	04/29/2020	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-20	04/06/2023	ND	20.0000		
Zinc, total	ug/L	MW-20	10/09/2023	ND	20.0000		
Zinc, total	ug/L	MW-20	04/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-20	10/16/2024	ND	20.0000		
Zinc, total	ug/L	MW-20	04/07/2025	ND	5.0000		*
Zinc, total	ug/L	MW-20	10/20/2025	ND	5.0000		*
Antimony, total	ug/L	MW-21	04/29/2020	ND	2.0000		
Antimony, total	ug/L	MW-21	04/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-21	10/09/2023	ND	2.0000		
Antimony, total	ug/L	MW-21	04/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-21	10/16/2024	ND	2.0000		
Antimony, total	ug/L	MW-21	04/07/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-21	10/20/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-21	04/29/2020	ND	4.0000		
Arsenic, total	ug/L	MW-21	04/06/2023	ND	4.0000		
Arsenic, total	ug/L	MW-21	10/09/2023	ND	4.0000		
Arsenic, total	ug/L	MW-21	04/04/2024	ND	4.0000		
Arsenic, total	ug/L	MW-21	10/16/2024	ND	4.0000		
Arsenic, total	ug/L	MW-21	04/07/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-21	10/20/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-21	04/29/2020		233.0000		
Barium, total	ug/L	MW-21	04/06/2023		192.0000		
Barium, total	ug/L	MW-21	10/09/2023		177.0000		
Barium, total	ug/L	MW-21	04/04/2024		207.0000		
Barium, total	ug/L	MW-21	10/16/2024		215.0000		
Barium, total	ug/L	MW-21	04/07/2025		212.0000		
Barium, total	ug/L	MW-21	10/20/2025		226.0000		
Beryllium, total	ug/L	MW-21	04/29/2020	ND	4.0000		
Beryllium, total	ug/L	MW-21	04/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-21	10/09/2023	ND	4.0000		
Beryllium, total	ug/L	MW-21	04/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-21	10/16/2024	ND	4.0000		
Beryllium, total	ug/L	MW-21	04/07/2025	ND	0.5000		*
Beryllium, total	ug/L	MW-21	10/20/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-21	04/29/2020	ND	0.8000		
Cadmium, total	ug/L	MW-21	04/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-21	10/09/2023	ND	0.8000		
Cadmium, total	ug/L	MW-21	04/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-21	10/16/2024	ND	0.8000		
Cadmium, total	ug/L	MW-21	04/07/2025	ND	0.2000		*
Cadmium, total	ug/L	MW-21	10/20/2025	ND	0.2000		*
Chromium, total	ug/L	MW-21	04/29/2020	ND	8.0000		
Chromium, total	ug/L	MW-21	04/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-21	10/09/2023	ND	8.0000		
Chromium, total	ug/L	MW-21	04/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-21	10/16/2024	ND	8.0000		
Chromium, total	ug/L	MW-21	04/07/2025	ND	1.0000		*
Chromium, total	ug/L	MW-21	10/20/2025	ND	1.0000		*
Cobalt, total	ug/L	MW-21	04/29/2020	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-21	04/06/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-21	10/09/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-21	04/04/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-21	10/16/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-21	04/07/2025	ND	0.5000		
Cobalt, total	ug/L	MW-21	10/20/2025	ND	0.5000		
Copper, total	ug/L	MW-21	04/29/2020	ND	4.0000		
Copper, total	ug/L	MW-21	04/06/2023	ND	4.0000		
Copper, total	ug/L	MW-21	10/09/2023	ND	4.0000		
Copper, total	ug/L	MW-21	04/04/2024	ND	4.0000		
Copper, total	ug/L	MW-21	10/16/2024	ND	4.0000		
Copper, total	ug/L	MW-21	04/07/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-21	10/20/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-21	04/29/2020	ND	4.0000		
Lead, total	ug/L	MW-21	04/06/2023	ND	4.0000		
Lead, total	ug/L	MW-21	10/09/2023	ND	4.0000		
Lead, total	ug/L	MW-21	04/04/2024	ND	4.0000		
Lead, total	ug/L	MW-21	10/16/2024	ND	4.0000		
Lead, total	ug/L	MW-21	04/07/2025	ND	1.0000		*
Lead, total	ug/L	MW-21	10/20/2025	ND	1.0000		*
Nickel, total	ug/L	MW-21	04/29/2020	ND	4.0000		
Nickel, total	ug/L	MW-21	04/06/2023	ND	4.0000		
Nickel, total	ug/L	MW-21	10/09/2023	ND	4.0000		
Nickel, total	ug/L	MW-21	04/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-21	10/16/2024	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	
Nickel, total	ug/L	MW-21	04/07/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-21	10/20/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-21	04/29/2020	ND	4.0000		
Selenium, total	ug/L	MW-21	04/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-21	10/09/2023	ND	4.0000		
Selenium, total	ug/L	MW-21	04/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-21	10/16/2024	ND	4.0000		
Selenium, total	ug/L	MW-21	04/07/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-21	10/20/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-21	04/29/2020	ND	4.0000		
Silver, total	ug/L	MW-21	04/06/2023	ND	4.0000		
Silver, total	ug/L	MW-21	10/09/2023	ND	4.0000		
Silver, total	ug/L	MW-21	04/04/2024	ND	4.0000		
Silver, total	ug/L	MW-21	10/16/2024	ND	4.0000		
Silver, total	ug/L	MW-21	04/07/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-21	10/20/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-21	04/29/2020	ND	2.0000		
Thallium, total	ug/L	MW-21	04/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-21	10/09/2023	ND	2.0000		
Thallium, total	ug/L	MW-21	04/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-21	10/16/2024	ND	2.0000		
Thallium, total	ug/L	MW-21	04/07/2025	ND	0.5000		*
Thallium, total	ug/L	MW-21	10/20/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-21	04/29/2020	ND	20.0000		
Vanadium, total	ug/L	MW-21	04/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-21	10/09/2023	ND	20.0000		
Vanadium, total	ug/L	MW-21	04/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-21	10/16/2024	ND	20.0000		
Vanadium, total	ug/L	MW-21	04/07/2025	ND	2.0000		*
Vanadium, total	ug/L	MW-21	10/20/2025	ND	2.0000		*
Zinc, total	ug/L	MW-21	04/29/2020	ND	20.0000		
Zinc, total	ug/L	MW-21	04/06/2023	ND	20.0000		
Zinc, total	ug/L	MW-21	10/09/2023	ND	20.0000		
Zinc, total	ug/L	MW-21	04/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-21	10/16/2024	ND	20.0000		
Zinc, total	ug/L	MW-21	04/07/2025	ND	5.0000		*
Zinc, total	ug/L	MW-21	10/20/2025	ND	5.0000		*

* - 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-1	10/20/2025	ND	1.0000		3.4000
Arsenic, total	ug/L	GU-1	10/20/2025	ND	2.0000		34.9278
Barium, total	ug/L	GU-1	10/20/2025		491.0000		647.4900
Beryllium, total	ug/L	GU-1	10/20/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	GU-1	10/20/2025		0.2000		1.7000
Chromium, total	ug/L	GU-1	10/20/2025	ND	1.0000		8.0000
Cobalt, total	ug/L	GU-1	10/20/2025	ND	0.5000		4.0000
Copper, total	ug/L	GU-1	10/20/2025	ND	5.0000		8.4000
Lead, total	ug/L	GU-1	10/20/2025	ND	1.0000		4.0000
Nickel, total	ug/L	GU-1	10/20/2025		13.8000		17.1000
Selenium, total	ug/L	GU-1	10/20/2025	ND	2.0000		4.0000
Silver, total	ug/L	GU-1	10/20/2025	ND	5.0000		4.0000
Thallium, total	ug/L	GU-1	10/20/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	GU-1	10/20/2025	ND	2.0000		20.0000
Zinc, total	ug/L	GU-1	10/20/2025	ND	5.0000		45.3000
Antimony, total	ug/L	GU-2	10/20/2025	ND	1.0000		3.4000
Arsenic, total	ug/L	GU-2	10/20/2025	ND	2.0000		34.9278
Barium, total	ug/L	GU-2	10/20/2025		232.0000		647.4900
Beryllium, total	ug/L	GU-2	10/20/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	GU-2	10/20/2025		0.4000		1.7000
Chromium, total	ug/L	GU-2	10/20/2025	ND	1.0000		8.0000
Cobalt, total	ug/L	GU-2	10/20/2025	ND	0.5000		4.0000
Copper, total	ug/L	GU-2	10/20/2025	ND	5.0000		8.4000
Lead, total	ug/L	GU-2	10/20/2025	ND	1.0000		4.0000
Nickel, total	ug/L	GU-2	10/20/2025	ND	5.0000		17.1000
Selenium, total	ug/L	GU-2	10/20/2025	ND	2.0000		4.0000
Silver, total	ug/L	GU-2	10/20/2025	ND	5.0000		4.0000
Thallium, total	ug/L	GU-2	10/20/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	GU-2	10/20/2025	ND	2.0000		20.0000
Zinc, total	ug/L	GU-2	10/20/2025		7.0000		45.3000
Antimony, total	ug/L	MW-10	10/20/2025		1.2000		3.4000
Arsenic, total	ug/L	MW-10	10/20/2025	ND	2.0000		34.9278
Barium, total	ug/L	MW-10	10/20/2025		142.0000		647.4900
Beryllium, total	ug/L	MW-10	10/20/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-10	10/20/2025		0.7000		1.7000
Chromium, total	ug/L	MW-10	10/20/2025		1.3000		8.0000
Cobalt, total	ug/L	MW-10	10/20/2025	ND	0.5000		4.0000
Copper, total	ug/L	MW-10	10/20/2025	ND	5.0000	**	8.4000
Lead, total	ug/L	MW-10	10/20/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-10	10/20/2025	ND	5.0000		17.1000
Selenium, total	ug/L	MW-10	10/20/2025	ND	2.0000		4.0000
Silver, total	ug/L	MW-10	10/20/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-10	10/20/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-10	10/20/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-10	10/20/2025		10.0000		45.3000
Antimony, total	ug/L	MW-14	10/20/2025	ND	1.0000		3.4000
Arsenic, total	ug/L	MW-14	10/20/2025		29.8000		34.9278
Barium, total	ug/L	MW-14	10/20/2025		1630.0000	*	647.4900
Beryllium, total	ug/L	MW-14	10/20/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-14	10/20/2025		3.2000	*	1.7000
Chromium, total	ug/L	MW-14	10/20/2025		1.1000		8.0000
Cobalt, total	ug/L	MW-14	10/20/2025		2.3000		4.0000
Copper, total	ug/L	MW-14	10/20/2025	ND	5.0000		8.4000
Lead, total	ug/L	MW-14	10/20/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-14	10/20/2025		11.6000		17.1000
Selenium, total	ug/L	MW-14	10/20/2025	ND	2.0000		4.0000
Silver, total	ug/L	MW-14	10/20/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-14	10/20/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-14	10/20/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-14	10/20/2025		13.4000		45.3000
Antimony, total	ug/L	MW-15	10/20/2025	ND	1.0000		3.4000
Arsenic, total	ug/L	MW-15	10/20/2025		2.9000		34.9278
Barium, total	ug/L	MW-15	10/20/2025		302.0000		647.4900
Beryllium, total	ug/L	MW-15	10/20/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-15	10/20/2025		3.5000	*	1.7000
Chromium, total	ug/L	MW-15	10/20/2025		1.3000		8.0000
Cobalt, total	ug/L	MW-15	10/20/2025		0.5000		4.0000
Copper, total	ug/L	MW-15	10/20/2025	ND	5.0000		8.4000
Lead, total	ug/L	MW-15	10/20/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-15	10/20/2025		20.2000	*	17.1000
Selenium, total	ug/L	MW-15	10/20/2025	ND	2.0000		4.0000
Silver, total	ug/L	MW-15	10/20/2025	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-15	10/20/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-15	10/20/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-15	10/20/2025		28.9000		45.3000
Antimony, total	ug/L	MW-16	10/20/2025	ND	1.0000		3.4000
Arsenic, total	ug/L	MW-16	10/20/2025	ND	2.0000		34.9278
Barium, total	ug/L	MW-16	10/20/2025		346.0000		647.4900
Beryllium, total	ug/L	MW-16	10/20/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-16	10/20/2025		0.9000		1.7000
Chromium, total	ug/L	MW-16	10/20/2025	ND	1.0000		8.0000
Cobalt, total	ug/L	MW-16	10/20/2025	ND	0.5000		4.0000
Copper, total	ug/L	MW-16	10/20/2025	ND	5.0000		8.4000
Lead, total	ug/L	MW-16	10/20/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-16	10/20/2025		9.4000		17.1000
Selenium, total	ug/L	MW-16	10/20/2025	ND	2.0000		4.0000
Silver, total	ug/L	MW-16	10/20/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-16	10/20/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-16	10/20/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-16	10/20/2025	ND	5.0000		45.3000
Antimony, total	ug/L	MW-7B	10/20/2025	ND	1.0000		3.4000
Arsenic, total	ug/L	MW-7B	10/20/2025	ND	2.0000		34.9278
Barium, total	ug/L	MW-7B	10/20/2025		821.0000	***	647.4900
Beryllium, total	ug/L	MW-7B	10/20/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-7B	10/20/2025		0.5000		1.7000
Chromium, total	ug/L	MW-7B	10/20/2025		1.0000		8.0000
Cobalt, total	ug/L	MW-7B	10/20/2025	ND	0.5000		4.0000
Copper, total	ug/L	MW-7B	10/20/2025	ND	5.0000		8.4000
Lead, total	ug/L	MW-7B	10/20/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-7B	10/20/2025		11.4000		17.1000
Selenium, total	ug/L	MW-7B	10/20/2025	ND	2.0000		4.0000
Silver, total	ug/L	MW-7B	10/20/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-7B	10/20/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-7B	10/20/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-7B	10/20/2025		6.9000		45.3000
Antimony, total	ug/L	MW-8	10/20/2025	ND	1.0000		3.4000
Arsenic, total	ug/L	MW-8	10/20/2025		122.0000	***	34.9278
Barium, total	ug/L	MW-8	10/20/2025		1590.0000	***	647.4900
Beryllium, total	ug/L	MW-8	10/20/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-8	10/20/2025		0.5000	**	1.7000
Chromium, total	ug/L	MW-8	10/20/2025		1.1000		8.0000
Cobalt, total	ug/L	MW-8	10/20/2025		0.5000		4.0000
Copper, total	ug/L	MW-8	10/20/2025	ND	5.0000		8.4000
Lead, total	ug/L	MW-8	10/20/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-8	10/20/2025		10.7000		17.1000
Selenium, total	ug/L	MW-8	10/20/2025	ND	2.0000		4.0000
Silver, total	ug/L	MW-8	10/20/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-8	10/20/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-8	10/20/2025		4.0000		20.0000
Zinc, total	ug/L	MW-8	10/20/2025	ND	5.0000	**	45.3000
Antimony, total	ug/L	MW-9	10/20/2025	ND	1.0000		3.4000
Arsenic, total	ug/L	MW-9	10/20/2025		2.9000		34.9278
Barium, total	ug/L	MW-9	10/20/2025		58.4000		647.4900
Beryllium, total	ug/L	MW-9	10/20/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-9	10/20/2025		1.2000		1.7000
Chromium, total	ug/L	MW-9	10/20/2025	ND	1.0000		8.0000
Cobalt, total	ug/L	MW-9	10/20/2025	ND	0.5000		4.0000
Copper, total	ug/L	MW-9	10/20/2025	ND	5.0000		8.4000
Lead, total	ug/L	MW-9	10/20/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-9	10/20/2025	ND	5.0000		17.1000
Selenium, total	ug/L	MW-9	10/20/2025	ND	2.0000		4.0000
Silver, total	ug/L	MW-9	10/20/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-9	10/20/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-9	10/20/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-9	10/20/2025		6.2000		45.3000

* - 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	2	111	0.018	5	338	0.015
Arsenic, total	54	105	0.514	186	340	0.547
Barium, total	107	107	1.000	339	339	1.000
Beryllium, total	0	96	0.000	0	338	0.000
Cadmium, total	11	99	0.111	45	338	0.133
Chromium, total	0	96	0.000	20	339	0.059
Cobalt, total	19	106	0.179	138	339	0.407
Copper, total	6	109	0.055	94	342	0.275
Lead, total	0	96	0.000	45	339	0.133
Nickel, total	31	108	0.287	290	342	0.848
Selenium, total	2	111	0.018	26	341	0.076
Silver, total	0	111	0.000	0	338	0.000
Thallium, total	0	96	0.000	1	337	0.003
Vanadium, total	0	96	0.000	30	339	0.088
Zinc, total	18	102	0.176	154	340	0.453

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	2	111	0.018									nonpar
Arsenic, total	54	105	0.514	2.404	0.365					2.326	lognor	lognor
Barium, total	107	107	1.000	4.405	1.332					2.326	lognor	lognor
Beryllium, total	0	96	0.000									nonpar
Cadmium, total	11	99	0.111	1.615	1.607					2.326	normal	nonpar
Chromium, total	0	96	0.000									nonpar
Cobalt, total	19	106	0.179	1.859	0.438					2.326	normal	nonpar
Copper, total	6	109	0.055	1.398	1.202					2.326	normal	nonpar
Lead, total	0	96	0.000									nonpar
Nickel, total	31	108	0.287	2.207	0.896					2.326	normal	nonpar
Selenium, total	2	111	0.018									nonpar
Silver, total	0	111	0.000									nonpar
Thallium, total	0	96	0.000									nonpar
Vanadium, total	0	96	0.000									nonpar
Zinc, total	18	102	0.176	1.246	0.775					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	2	111					3.4000	nonpar		0.99
Arsenic, total	ug/L	54	105	0.9953	1.0775	0.0100	2.3740	34.9278	lognor		
Barium, total	ug/L	107	107	4.8451	0.6860	0.0100	2.3730	647.4900	lognor		
Beryllium, total	ug/L	0	96					4.0000	nonpar	***	0.99
Cadmium, total	ug/L	11	99					1.7000	nonpar		0.99
Chromium, total	ug/L	0	96					8.0000	nonpar	***	0.99
Cobalt, total	ug/L	19	106					4.0000	nonpar		0.99
Copper, total	ug/L	6	109					8.4000	nonpar		0.99
Lead, total	ug/L	0	96					4.0000	nonpar	***	0.99
Nickel, total	ug/L	31	108					17.1000	nonpar		0.99
Selenium, total	ug/L	2	111					4.0000	nonpar	***	0.99
Silver, total	ug/L	0	111					4.0000	nonpar	***	0.99
Thallium, total	ug/L	0	96					2.0000	nonpar	***	0.99
Vanadium, total	ug/L	0	96					20.0000	nonpar	***	0.99
Zinc, total	ug/L	18	102					45.3000	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-11	04/07/2025	0.5000	< 0.5000	04/07/2014-10/20/2025	26	0.4893
Beryllium, total	ug/L	MW-11	10/20/2025	0.5000	< 0.5000	04/07/2014-10/20/2025	26	0.4893
Chromium, total	ug/L	MW-11	04/07/2025	1.0000	< 1.0000	04/07/2014-10/20/2025	26	0.4893
Chromium, total	ug/L	MW-11	10/20/2025	1.0000	< 1.0000	04/07/2014-10/20/2025	26	0.4893
Lead, total	ug/L	MW-11	04/07/2025	1.0000	< 1.0000	04/07/2014-10/20/2025	26	0.4893
Lead, total	ug/L	MW-11	10/20/2025	1.0000	< 1.0000	04/07/2014-10/20/2025	26	0.4893
Thallium, total	ug/L	MW-11	04/07/2025	0.5000	< 0.5000	04/07/2014-10/20/2025	26	0.4893
Thallium, total	ug/L	MW-11	10/20/2025	0.5000	< 0.5000	04/07/2014-10/20/2025	26	0.4893
Vanadium, total	ug/L	MW-11	04/07/2025	2.0000	< 2.0000	04/07/2014-10/20/2025	26	0.4893
Vanadium, total	ug/L	MW-11	10/20/2025	2.0000	< 2.0000	04/07/2014-10/20/2025	26	0.4893
Arsenic, total	ug/L	MW-12	04/07/2014	21.7000		04/07/2014-10/20/2025	24	0.5065
Arsenic, total	ug/L	MW-12	10/11/2017	24.3000		04/07/2014-10/20/2025	24	0.5065
Beryllium, total	ug/L	MW-12	04/07/2025	0.5000	< 0.5000	04/07/2014-10/20/2025	26	0.4893
Beryllium, total	ug/L	MW-12	10/20/2025	0.5000	< 0.5000	04/07/2014-10/20/2025	26	0.4893
Cadmium, total	ug/L	MW-12	10/09/2020	4.0000		04/07/2014-10/20/2025	26	0.4819
Chromium, total	ug/L	MW-12	04/07/2025	1.0000	< 1.0000	04/07/2014-10/20/2025	26	0.4893
Chromium, total	ug/L	MW-12	10/20/2025	1.7000		04/07/2014-10/20/2025	26	0.4893
Cobalt, total	ug/L	MW-12	04/07/2014	4.0000	< 4.0000	04/07/2014-10/20/2025	26	0.4893
Cobalt, total	ug/L	MW-12	10/12/2022	2.6000		04/07/2014-10/20/2025	26	0.4893
Lead, total	ug/L	MW-12	04/07/2025	1.0000	< 1.0000	04/07/2014-10/20/2025	26	0.4893
Lead, total	ug/L	MW-12	10/20/2025	1.0000	< 1.0000	04/07/2014-10/20/2025	26	0.4893
Thallium, total	ug/L	MW-12	04/07/2025	0.5000	< 0.5000	04/07/2014-10/20/2025	26	0.4893
Thallium, total	ug/L	MW-12	10/20/2025	0.5000	< 0.5000	04/07/2014-10/20/2025	26	0.4893
Vanadium, total	ug/L	MW-12	04/07/2025	2.0000	< 2.0000	04/07/2014-10/20/2025	26	0.4893
Vanadium, total	ug/L	MW-12	10/20/2025	2.0000	< 2.0000	04/07/2014-10/20/2025	26	0.4893
Beryllium, total	ug/L	MW-13	04/07/2025	0.5000	< 0.5000	06/27/2023-04/07/2025	5	0.7819
Cadmium, total	ug/L	MW-13	04/07/2025	0.2000		06/27/2023-04/07/2025	5	0.7819
Chromium, total	ug/L	MW-13	04/07/2025	1.0000		06/27/2023-04/07/2025	5	0.7819
Lead, total	ug/L	MW-13	04/07/2025	1.0000	< 1.0000	06/27/2023-04/07/2025	5	0.7819
Thallium, total	ug/L	MW-13	04/07/2025	0.5000	< 0.5000	06/27/2023-04/07/2025	5	0.7819
Vanadium, total	ug/L	MW-13	04/07/2025	2.0000	< 2.0000	06/27/2023-04/07/2025	5	0.7819
Zinc, total	ug/L	MW-13	04/07/2025	5.0000	< 5.0000	06/27/2023-04/07/2025	5	0.7819
Beryllium, total	ug/L	MW-17	04/07/2025	0.5000	< 0.5000	04/07/2014-10/20/2025	26	0.4893
Beryllium, total	ug/L	MW-17	10/20/2025	0.5000	< 0.5000	04/07/2014-10/20/2025	26	0.4893
Cadmium, total	ug/L	MW-17	04/07/2025	0.2000	< 0.2000	04/07/2014-10/20/2025	26	0.4893
Cadmium, total	ug/L	MW-17	10/20/2025	0.2000		04/07/2014-10/20/2025	26	0.4893
Chromium, total	ug/L	MW-17	04/07/2025	1.0000	< 1.0000	04/07/2014-10/20/2025	26	0.4893
Chromium, total	ug/L	MW-17	10/20/2025	1.0000	< 1.0000	04/07/2014-10/20/2025	26	0.4893
Cobalt, total	ug/L	MW-17	04/07/2014	4.0000	< 4.0000	04/07/2014-10/20/2025	26	0.4819
Lead, total	ug/L	MW-17	04/07/2025	1.0000	< 1.0000	04/07/2014-10/20/2025	26	0.4893
Lead, total	ug/L	MW-17	10/20/2025	1.0000	< 1.0000	04/07/2014-10/20/2025	26	0.4893
Thallium, total	ug/L	MW-17	04/07/2025	0.5000	< 0.5000	04/07/2014-10/20/2025	26	0.4893
Thallium, total	ug/L	MW-17	10/20/2025	0.5000	< 0.5000	04/07/2014-10/20/2025	26	0.4893
Vanadium, total	ug/L	MW-17	04/07/2025	2.0000	< 2.0000	04/07/2014-10/20/2025	26	0.4893
Vanadium, total	ug/L	MW-17	10/20/2025	2.0000	< 2.0000	04/07/2014-10/20/2025	26	0.4893
Beryllium, total	ug/L	MW-18	04/07/2025	0.5000	< 0.5000	04/29/2020-10/20/2025	7	0.6987
Beryllium, total	ug/L	MW-18	10/20/2025	0.5000	< 0.5000	04/29/2020-10/20/2025	7	0.6987
Cadmium, total	ug/L	MW-18	04/07/2025	0.2000	< 0.2000	04/29/2020-10/20/2025	7	0.6987
Cadmium, total	ug/L	MW-18	10/20/2025	0.2000	< 0.2000	04/29/2020-10/20/2025	7	0.6987
Chromium, total	ug/L	MW-18	04/07/2025	1.0000		04/29/2020-10/20/2025	7	0.6987
Chromium, total	ug/L	MW-18	10/20/2025	1.0000	< 1.0000	04/29/2020-10/20/2025	7	0.6987
Copper, total	ug/L	MW-18	04/06/2023	23.9000		04/29/2020-10/20/2025	7	0.6371
Lead, total	ug/L	MW-18	04/07/2025	1.0000	< 1.0000	04/29/2020-10/20/2025	7	0.6987
Lead, total	ug/L	MW-18	10/20/2025	1.0000	< 1.0000	04/29/2020-10/20/2025	7	0.6987
Thallium, total	ug/L	MW-18	04/07/2025	0.5000	< 0.5000	04/29/2020-10/20/2025	7	0.6987
Thallium, total	ug/L	MW-18	10/20/2025	0.5000	< 0.5000	04/29/2020-10/20/2025	7	0.6987
Vanadium, total	ug/L	MW-18	04/07/2025	2.0000	< 2.0000	04/29/2020-10/20/2025	7	0.6987
Vanadium, total	ug/L	MW-18	10/20/2025	2.0000	< 2.0000	04/29/2020-10/20/2025	7	0.6987
Zinc, total	ug/L	MW-18	04/07/2025	5.5000		04/29/2020-10/20/2025	7	0.6987
Zinc, total	ug/L	MW-18	10/20/2025	5.5000		04/29/2020-10/20/2025	7	0.6987
Beryllium, total	ug/L	MW-19	04/07/2025	0.5000	< 0.5000	04/29/2020-10/20/2025	7	0.6987
Beryllium, total	ug/L	MW-19	10/20/2025	0.5000	< 0.5000	04/29/2020-10/20/2025	7	0.6987
Cadmium, total	ug/L	MW-19	04/07/2025	0.2000	< 0.2000	04/29/2020-10/20/2025	7	0.6987
Cadmium, total	ug/L	MW-19	10/20/2025	0.2000	< 0.2000	04/29/2020-10/20/2025	7	0.6987
Chromium, total	ug/L	MW-19	04/07/2025	1.0000	< 1.0000	04/29/2020-10/20/2025	7	0.6987
Chromium, total	ug/L	MW-19	10/20/2025	1.0000	< 1.0000	04/29/2020-10/20/2025	7	0.6987
Lead, total	ug/L	MW-19	04/07/2025	1.0000	< 1.0000	04/29/2020-10/20/2025	7	0.6987
Lead, total	ug/L	MW-19	10/20/2025	1.0000	< 1.0000	04/29/2020-10/20/2025	7	0.6987
Thallium, total	ug/L	MW-19	04/07/2025	0.5000	< 0.5000	04/29/2020-10/20/2025	7	0.6987
Thallium, total	ug/L	MW-19	10/20/2025	0.5000	< 0.5000	04/29/2020-10/20/2025	7	0.6987
Vanadium, total	ug/L	MW-19	04/07/2025	2.0000	< 2.0000	04/29/2020-10/20/2025	7	0.6987
Vanadium, total	ug/L	MW-19	10/20/2025	2.0000	< 2.0000	04/29/2020-10/20/2025	7	0.6987
Zinc, total	ug/L	MW-19	04/07/2025	5.0000	< 5.0000	04/29/2020-10/20/2025	7	0.6987

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 6

**Dixon's Test Outliers
1% Significance Level**

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Zinc, total	ug/L	MW-19	10/20/2025	5.0000	< 5.0000	04/29/2020-10/20/2025	7	0.6987
Beryllium, total	ug/L	MW-20	04/07/2025	0.5000	< 0.5000	04/29/2020-10/20/2025	7	0.6987
Beryllium, total	ug/L	MW-20	10/20/2025	0.5000	< 0.5000	04/29/2020-10/20/2025	7	0.6987
Cadmium, total	ug/L	MW-20	04/07/2025	0.2000	< 0.2000	04/29/2020-10/20/2025	7	0.6987
Cadmium, total	ug/L	MW-20	10/20/2025	0.2000	< 0.2000	04/29/2020-10/20/2025	7	0.6987
Chromium, total	ug/L	MW-20	04/07/2025	1.0000	< 1.0000	04/29/2020-10/20/2025	7	0.6987
Chromium, total	ug/L	MW-20	10/20/2025	1.0000	< 1.0000	04/29/2020-10/20/2025	7	0.6987
Lead, total	ug/L	MW-20	04/07/2025	1.0000	< 1.0000	04/29/2020-10/20/2025	7	0.6987
Lead, total	ug/L	MW-20	10/20/2025	1.0000	< 1.0000	04/29/2020-10/20/2025	7	0.6987
Thallium, total	ug/L	MW-20	04/07/2025	0.5000	< 0.5000	04/29/2020-10/20/2025	7	0.6987
Thallium, total	ug/L	MW-20	10/20/2025	0.5000	< 0.5000	04/29/2020-10/20/2025	7	0.6987
Vanadium, total	ug/L	MW-20	04/07/2025	2.0000	< 2.0000	04/29/2020-10/20/2025	7	0.6987
Vanadium, total	ug/L	MW-20	10/20/2025	2.0000	< 2.0000	04/29/2020-10/20/2025	7	0.6987
Zinc, total	ug/L	MW-20	04/07/2025	5.0000	< 5.0000	04/29/2020-10/20/2025	7	0.6987
Zinc, total	ug/L	MW-20	10/20/2025	5.0000	< 5.0000	04/29/2020-10/20/2025	7	0.6987
Beryllium, total	ug/L	MW-21	04/07/2025	0.5000	< 0.5000	04/29/2020-10/20/2025	7	0.6987
Beryllium, total	ug/L	MW-21	10/20/2025	0.5000	< 0.5000	04/29/2020-10/20/2025	7	0.6987
Cadmium, total	ug/L	MW-21	04/07/2025	0.2000	< 0.2000	04/29/2020-10/20/2025	7	0.6987
Cadmium, total	ug/L	MW-21	10/20/2025	0.2000	< 0.2000	04/29/2020-10/20/2025	7	0.6987
Chromium, total	ug/L	MW-21	04/07/2025	1.0000	< 1.0000	04/29/2020-10/20/2025	7	0.6987
Chromium, total	ug/L	MW-21	10/20/2025	1.0000	< 1.0000	04/29/2020-10/20/2025	7	0.6987
Lead, total	ug/L	MW-21	04/07/2025	1.0000	< 1.0000	04/29/2020-10/20/2025	7	0.6987
Lead, total	ug/L	MW-21	10/20/2025	1.0000	< 1.0000	04/29/2020-10/20/2025	7	0.6987
Thallium, total	ug/L	MW-21	04/07/2025	0.5000	< 0.5000	04/29/2020-10/20/2025	7	0.6987
Thallium, total	ug/L	MW-21	10/20/2025	0.5000	< 0.5000	04/29/2020-10/20/2025	7	0.6987
Vanadium, total	ug/L	MW-21	04/07/2025	2.0000	< 2.0000	04/29/2020-10/20/2025	7	0.6987
Vanadium, total	ug/L	MW-21	10/20/2025	2.0000	< 2.0000	04/29/2020-10/20/2025	7	0.6987
Zinc, total	ug/L	MW-21	04/07/2025	5.0000	< 5.0000	04/29/2020-10/20/2025	7	0.6987
Zinc, total	ug/L	MW-21	10/20/2025	5.0000	< 5.0000	04/29/2020-10/20/2025	7	0.6987

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
Copper, total	ug/L	MW-10	04/22/2008		15.0000	*	8.4000
Copper, total	ug/L	MW-10	06/24/2008		10.0000	*	8.4000
Copper, total	ug/L	MW-10	08/01/2008		10.0000	*	8.4000
Copper, total	ug/L	MW-10	10/31/2008		5.6000		8.4000
Copper, total	ug/L	MW-10	01/06/2009		5.4000		8.4000
Copper, total	ug/L	MW-10	04/13/2009		4.7000		8.4000
Copper, total	ug/L	MW-10	10/29/2009	ND	4.0000		8.4000
Copper, total	ug/L	MW-10	04/19/2010		92.9000	*	8.4000
Copper, total	ug/L	MW-10	10/20/2010		78.9000	*	8.4000
Copper, total	ug/L	MW-10	04/20/2011		10.1000	*	8.4000
Copper, total	ug/L	MW-10	10/13/2011		68.9000	*	8.4000
Copper, total	ug/L	MW-10	04/25/2012		15.1000	*	8.4000
Copper, total	ug/L	MW-10	04/15/2013		7.8000		8.4000
Copper, total	ug/L	MW-10	08/06/2013		16.9000	*	8.4000
Copper, total	ug/L	MW-10	04/07/2014		10.4000	*	8.4000
Copper, total	ug/L	MW-10	10/23/2014		10.9000	*	8.4000
Copper, total	ug/L	MW-10	04/02/2015	ND	4.0000		8.4000
Copper, total	ug/L	MW-10	10/26/2015		20.1000	*	8.4000
Copper, total	ug/L	MW-10	04/01/2016		9.3000	*	8.4000
Copper, total	ug/L	MW-10	10/19/2016		5.3000		8.4000
Copper, total	ug/L	MW-10	04/17/2017	ND	4.0000		8.4000
Copper, total	ug/L	MW-10	10/11/2017	ND	4.0000		8.4000
Copper, total	ug/L	MW-10	06/01/2018	ND	4.0000		8.4000
Copper, total	ug/L	MW-10	10/03/2018		4.6000		8.4000
Copper, total	ug/L	MW-10	04/08/2019		20.3000	*	8.4000
Copper, total	ug/L	MW-10	10/11/2019		8.6000	*	8.4000
Copper, total	ug/L	MW-10	04/27/2020	ND	4.0000		8.4000
Copper, total	ug/L	MW-10	10/09/2020	ND	4.0000		8.4000
Copper, total	ug/L	MW-10	04/09/2021		11.9000	*	8.4000
Copper, total	ug/L	MW-10	10/25/2021	ND	4.0000		8.4000
Copper, total	ug/L	MW-10	04/11/2022	ND	4.0000		8.4000
Copper, total	ug/L	MW-10	10/12/2022	ND	4.0000		8.4000
Copper, total	ug/L	MW-10	04/06/2023	ND	4.0000		8.4000
Copper, total	ug/L	MW-10	10/09/2023		18.2000	*	8.4000
Copper, total	ug/L	MW-10	04/04/2024		13.9000	*	8.4000
Copper, total	ug/L	MW-10	10/16/2024		29.5000	*	8.4000
Copper, total	ug/L	MW-10	04/07/2025		13.2000	*	8.4000
Copper, total	ug/L	MW-10	10/20/2025	ND	5.0000		8.4000
Barium, total	ug/L	MW-14	10/31/2008		2530.0000	*	647.4900
Barium, total	ug/L	MW-14	01/06/2009		2550.0000	*	647.4900
Barium, total	ug/L	MW-14	02/10/2009		2660.0000	*	647.4900
Barium, total	ug/L	MW-14	04/14/2009		2320.0000	*	647.4900
Barium, total	ug/L	MW-14	06/09/2009		2800.0000	*	647.4900
Barium, total	ug/L	MW-14	10/28/2009		2280.0000	*	647.4900
Barium, total	ug/L	MW-14	04/19/2010		2190.0000	*	647.4900
Barium, total	ug/L	MW-14	10/20/2010		3020.0000	*	647.4900
Barium, total	ug/L	MW-14	04/20/2011		2500.0000	*	647.4900
Barium, total	ug/L	MW-14	10/13/2011		2330.0000	*	647.4900
Barium, total	ug/L	MW-14	04/25/2012		2200.0000	*	647.4900
Barium, total	ug/L	MW-14	10/22/2012		2540.0000	*	647.4900
Barium, total	ug/L	MW-14	04/15/2013		1200.0000	*	647.4900
Barium, total	ug/L	MW-14	08/06/2013		2490.0000	*	647.4900
Barium, total	ug/L	MW-14	04/07/2014		2000.0000	*	647.4900
Barium, total	ug/L	MW-14	10/23/2014		1060.0000	*	647.4900
Barium, total	ug/L	MW-14	04/02/2015		508.0000		647.4900
Barium, total	ug/L	MW-14	10/26/2015		923.0000	*	647.4900
Barium, total	ug/L	MW-14	04/01/2016		1690.0000	*	647.4900
Barium, total	ug/L	MW-14	10/19/2016		1190.0000	*	647.4900
Barium, total	ug/L	MW-14	04/17/2017		1790.0000	*	647.4900
Barium, total	ug/L	MW-14	10/11/2017		1320.0000	*	647.4900
Barium, total	ug/L	MW-14	06/01/2018		1620.0000	*	647.4900
Barium, total	ug/L	MW-14	10/03/2018		1100.0000	*	647.4900
Barium, total	ug/L	MW-14	04/08/2019		1070.0000	*	647.4900
Barium, total	ug/L	MW-14	10/11/2019		1000.0000	*	647.4900
Barium, total	ug/L	MW-14	04/27/2020		1170.0000	*	647.4900
Barium, total	ug/L	MW-14	10/09/2020		1630.0000	*	647.4900
Barium, total	ug/L	MW-14	04/09/2021		592.0000		647.4900
Barium, total	ug/L	MW-14	10/25/2021		612.0000		647.4900
Barium, total	ug/L	MW-14	04/11/2022		1080.0000	*	647.4900
Barium, total	ug/L	MW-14	10/12/2022		1660.0000	*	647.4900
Barium, total	ug/L	MW-14	04/06/2023		411.0000		647.4900

* - 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
Barium, total	ug/L	MW-14	10/09/2023		1430.0000	*	647.4900
Barium, total	ug/L	MW-14	04/04/2024		53.7000		647.4900
Barium, total	ug/L	MW-14	10/16/2024		1370.0000	*	647.4900
Barium, total	ug/L	MW-14	04/07/2025		236.0000		647.4900
Barium, total	ug/L	MW-14	10/20/2025		1630.0000	*	647.4900
Cadmium, total	ug/L	MW-14	10/31/2008	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-14	01/06/2009	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-14	02/10/2009	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-14	04/14/2009	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-14	06/09/2009	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-14	10/28/2009	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-14	04/19/2010	ND	5.0000		1.7000
Cadmium, total	ug/L	MW-14	10/20/2010		1.0000		1.7000
Cadmium, total	ug/L	MW-14	04/20/2011	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	10/13/2011	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	04/25/2012	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	10/22/2012	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	04/15/2013	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	08/06/2013	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	04/07/2014	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	10/23/2014	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	04/02/2015	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	10/26/2015	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	04/01/2016	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	10/19/2016		3.7000	*	1.7000
Cadmium, total	ug/L	MW-14	04/17/2017	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	10/11/2017	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	06/01/2018	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	10/03/2018	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	04/08/2019	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	10/11/2019	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	04/27/2020	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	10/09/2020	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	04/09/2021	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	10/25/2021	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	04/11/2022		2.2000	*	1.7000
Cadmium, total	ug/L	MW-14	10/12/2022	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	04/06/2023	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	10/09/2023	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	04/04/2024		1.0000		1.7000
Cadmium, total	ug/L	MW-14	10/16/2024	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-14	04/07/2025	ND	0.2000		1.7000
Cadmium, total	ug/L	MW-14	10/20/2025		3.2000	*	1.7000
Cadmium, total	ug/L	MW-15	10/31/2008	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-15	01/06/2009	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-15	02/10/2009	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-15	04/13/2009	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-15	06/09/2009	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-15	10/28/2009	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-15	04/19/2010	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-15	10/20/2010		1.2000		1.7000
Cadmium, total	ug/L	MW-15	04/20/2011	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-15	10/13/2011	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-15	04/25/2012	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-15	10/22/2012	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-15	04/15/2013	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-15	08/06/2013	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-15	04/07/2014	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-15	10/23/2014	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-15	04/02/2015	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-15	10/26/2015	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-15	04/01/2016	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-15	10/19/2016	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-15	04/17/2017	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-15	10/11/2017	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-15	06/01/2018	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-15	10/03/2018	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-15	04/08/2019	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-15	10/11/2019	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-15	04/27/2020	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-15	10/09/2020	ND	0.8000		1.7000

* - 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
Cadmium, total	ug/L	MW-15	04/09/2021	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-15	10/25/2021	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-15	04/11/2022	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-15	10/12/2022	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-15	04/06/2023	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-15	10/09/2023	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-15	04/04/2024	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-15	10/16/2024	ND	0.8000	1.7000
Cadmium, total	ug/L	MW-15	04/07/2025		0.2000	1.7000
Cadmium, total	ug/L	MW-15	10/20/2025		3.5000 *	1.7000
Nickel, total	ug/L	MW-15	10/31/2008		62.8000 *	17.1000
Nickel, total	ug/L	MW-15	01/06/2009		68.0000 *	17.1000
Nickel, total	ug/L	MW-15	02/10/2009		57.5000 *	17.1000
Nickel, total	ug/L	MW-15	04/13/2009		73.0000 *	17.1000
Nickel, total	ug/L	MW-15	06/09/2009		77.8000 *	17.1000
Nickel, total	ug/L	MW-15	10/28/2009		65.7000 *	17.1000
Nickel, total	ug/L	MW-15	04/19/2010		76.8000 *	17.1000
Nickel, total	ug/L	MW-15	10/20/2010		87.4000 *	17.1000
Nickel, total	ug/L	MW-15	04/20/2011		60.4000 *	17.1000
Nickel, total	ug/L	MW-15	10/13/2011		73.1000 *	17.1000
Nickel, total	ug/L	MW-15	04/25/2012		85.6000 *	17.1000
Nickel, total	ug/L	MW-15	10/22/2012		39.3000 *	17.1000
Nickel, total	ug/L	MW-15	04/15/2013		53.7000 *	17.1000
Nickel, total	ug/L	MW-15	08/06/2013		52.0000 *	17.1000
Nickel, total	ug/L	MW-15	04/07/2014		30.3000 *	17.1000
Nickel, total	ug/L	MW-15	10/23/2014		51.9000 *	17.1000
Nickel, total	ug/L	MW-15	04/02/2015		48.0000 *	17.1000
Nickel, total	ug/L	MW-15	10/26/2015		51.7000 *	17.1000
Nickel, total	ug/L	MW-15	04/01/2016		18.8000 *	17.1000
Nickel, total	ug/L	MW-15	10/19/2016		24.7000 *	17.1000
Nickel, total	ug/L	MW-15	04/17/2017		20.2000 *	17.1000
Nickel, total	ug/L	MW-15	10/11/2017		16.5000 *	17.1000
Nickel, total	ug/L	MW-15	06/01/2018		32.2000 *	17.1000
Nickel, total	ug/L	MW-15	10/03/2018		34.8000 *	17.1000
Nickel, total	ug/L	MW-15	04/08/2019		14.3000 *	17.1000
Nickel, total	ug/L	MW-15	10/11/2019		18.8000 *	17.1000
Nickel, total	ug/L	MW-15	04/27/2020		15.1000 *	17.1000
Nickel, total	ug/L	MW-15	10/09/2020		29.7000 *	17.1000
Nickel, total	ug/L	MW-15	04/09/2021		17.7000 *	17.1000
Nickel, total	ug/L	MW-15	10/25/2021		16.2000 *	17.1000
Nickel, total	ug/L	MW-15	04/11/2022		13.7000 *	17.1000
Nickel, total	ug/L	MW-15	10/12/2022		34.2000 *	17.1000
Nickel, total	ug/L	MW-15	04/06/2023		14.4000 *	17.1000
Nickel, total	ug/L	MW-15	10/09/2023		47.6000 *	17.1000
Nickel, total	ug/L	MW-15	04/04/2024		17.6000 *	17.1000
Nickel, total	ug/L	MW-15	10/16/2024		28.9000 *	17.1000
Nickel, total	ug/L	MW-15	04/07/2025		16.0000 *	17.1000
Nickel, total	ug/L	MW-15	10/20/2025		20.2000 *	17.1000
Barium, total	ug/L	MW-7B	04/22/2008		932.0000 *	647.4900
Barium, total	ug/L	MW-7B	06/24/2008		878.0000 *	647.4900
Barium, total	ug/L	MW-7B	08/01/2008		568.0000 *	647.4900
Barium, total	ug/L	MW-7B	10/31/2008		699.0000 *	647.4900
Barium, total	ug/L	MW-7B	01/06/2009		803.0000 *	647.4900
Barium, total	ug/L	MW-7B	04/13/2009		989.0000 *	647.4900
Barium, total	ug/L	MW-7B	06/09/2009		928.0000 *	647.4900
Barium, total	ug/L	MW-7B	10/28/2009		968.0000 *	647.4900
Barium, total	ug/L	MW-7B	04/19/2010		998.0000 *	647.4900
Barium, total	ug/L	MW-7B	10/20/2010		1040.0000 *	647.4900
Barium, total	ug/L	MW-7B	04/20/2011		742.0000 *	647.4900
Barium, total	ug/L	MW-7B	10/13/2011		905.0000 *	647.4900
Barium, total	ug/L	MW-7B	04/25/2012		943.0000 *	647.4900
Barium, total	ug/L	MW-7B	10/22/2012		675.0000 *	647.4900
Barium, total	ug/L	MW-7B	04/15/2013		920.0000 *	647.4900
Barium, total	ug/L	MW-7B	08/06/2013		838.0000 *	647.4900
Barium, total	ug/L	MW-7B	04/07/2014		941.0000 *	647.4900
Barium, total	ug/L	MW-7B	10/23/2014		736.0000 *	647.4900
Barium, total	ug/L	MW-7B	04/02/2015		689.0000 *	647.4900
Barium, total	ug/L	MW-7B	10/26/2015		760.0000 *	647.4900
Barium, total	ug/L	MW-7B	04/01/2016		573.0000 *	647.4900
Barium, total	ug/L	MW-7B	10/19/2016		652.0000 *	647.4900
Barium, total	ug/L	MW-7B	04/17/2017		616.0000 *	647.4900

* - 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
Barium, total	ug/L	MW-7B	10/11/2017		614.0000	647.4900
Barium, total	ug/L	MW-7B	06/01/2018		668.0000 *	647.4900
Barium, total	ug/L	MW-7B	10/03/2018		665.0000 *	647.4900
Barium, total	ug/L	MW-7B	04/08/2019		501.0000	647.4900
Barium, total	ug/L	MW-7B	10/11/2019		596.0000	647.4900
Barium, total	ug/L	MW-7B	04/27/2020		542.0000	647.4900
Barium, total	ug/L	MW-7B	10/09/2020		776.0000 *	647.4900
Barium, total	ug/L	MW-7B	04/09/2021		636.0000	647.4900
Barium, total	ug/L	MW-7B	10/25/2021		647.0000	647.4900
Barium, total	ug/L	MW-7B	04/11/2022		602.0000	647.4900
Barium, total	ug/L	MW-7B	10/12/2022		744.0000 *	647.4900
Barium, total	ug/L	MW-7B	10/09/2023		684.0000 *	647.4900
Barium, total	ug/L	MW-7B	04/04/2024		643.0000	647.4900
Barium, total	ug/L	MW-7B	10/16/2024		678.0000 *	647.4900
Barium, total	ug/L	MW-7B	04/07/2025		749.0000 *	647.4900
Barium, total	ug/L	MW-7B	10/20/2025		821.0000 *	647.4900
Arsenic, total	ug/L	MW-8	04/22/2008		77.0000 *	34.9278
Arsenic, total	ug/L	MW-8	06/24/2008		141.0000 *	34.9278
Arsenic, total	ug/L	MW-8	08/01/2008		143.0000 *	34.9278
Arsenic, total	ug/L	MW-8	10/31/2008		178.0000 *	34.9278
Arsenic, total	ug/L	MW-8	01/06/2009		95.9000 *	34.9278
Arsenic, total	ug/L	MW-8	04/13/2009		100.0000 *	34.9278
Arsenic, total	ug/L	MW-8	06/09/2009		149.0000 *	34.9278
Arsenic, total	ug/L	MW-8	10/28/2009		173.0000 *	34.9278
Arsenic, total	ug/L	MW-8	04/19/2010		141.0000 *	34.9278
Arsenic, total	ug/L	MW-8	10/20/2010		227.0000 *	34.9278
Arsenic, total	ug/L	MW-8	04/20/2011		124.0000 *	34.9278
Arsenic, total	ug/L	MW-8	10/13/2011		183.0000 *	34.9278
Arsenic, total	ug/L	MW-8	04/25/2012		144.0000 *	34.9278
Arsenic, total	ug/L	MW-8	10/22/2012		138.0000 *	34.9278
Arsenic, total	ug/L	MW-8	04/15/2013		68.3000 *	34.9278
Arsenic, total	ug/L	MW-8	08/06/2013		135.0000 *	34.9278
Arsenic, total	ug/L	MW-8	04/07/2014		74.0000 *	34.9278
Arsenic, total	ug/L	MW-8	10/23/2014		117.0000 *	34.9278
Arsenic, total	ug/L	MW-8	04/02/2015		48.3000 *	34.9278
Arsenic, total	ug/L	MW-8	10/26/2015		90.3000 *	34.9278
Arsenic, total	ug/L	MW-8	04/01/2016		63.5000 *	34.9278
Arsenic, total	ug/L	MW-8	10/19/2016		107.0000 *	34.9278
Arsenic, total	ug/L	MW-8	04/17/2017		55.9000 *	34.9278
Arsenic, total	ug/L	MW-8	10/11/2017		47.2000 *	34.9278
Arsenic, total	ug/L	MW-8	06/01/2018		32.5000	34.9278
Arsenic, total	ug/L	MW-8	10/03/2018		9.7000	34.9278
Arsenic, total	ug/L	MW-8	04/08/2019		33.1000	34.9278
Arsenic, total	ug/L	MW-8	10/11/2019		75.7000 *	34.9278
Arsenic, total	ug/L	MW-8	04/27/2020		56.2000 *	34.9278
Arsenic, total	ug/L	MW-8	10/09/2020		72.9000 *	34.9278
Arsenic, total	ug/L	MW-8	04/09/2021		95.1000 *	34.9278
Arsenic, total	ug/L	MW-8	06/23/2021		57.7000 *	34.9278
Arsenic, total	ug/L	MW-8	10/25/2021		125.0000 *	34.9278
Arsenic, total	ug/L	MW-8	04/11/2022		220.0000 *	34.9278
Arsenic, total	ug/L	MW-8	10/12/2022		360.0000 *	34.9278
Arsenic, total	ug/L	MW-8	04/06/2023		31.7000	34.9278
Arsenic, total	ug/L	MW-8	10/09/2023		165.0000 *	34.9278
Arsenic, total	ug/L	MW-8	04/04/2024		30.9000	34.9278
Arsenic, total	ug/L	MW-8	10/16/2024		33.5000	34.9278
Arsenic, total	ug/L	MW-8	04/07/2025		106.0000 *	34.9278
Arsenic, total	ug/L	MW-8	10/20/2025		122.0000 *	34.9278
Barium, total	ug/L	MW-8	04/22/2008		584.0000	647.4900
Barium, total	ug/L	MW-8	06/24/2008		664.0000 *	647.4900
Barium, total	ug/L	MW-8	08/01/2008		508.0000	647.4900
Barium, total	ug/L	MW-8	10/31/2008		892.0000 *	647.4900
Barium, total	ug/L	MW-8	01/06/2009		556.0000	647.4900
Barium, total	ug/L	MW-8	04/13/2009		709.0000 *	647.4900
Barium, total	ug/L	MW-8	06/09/2009		740.0000 *	647.4900
Barium, total	ug/L	MW-8	10/28/2009		895.0000 *	647.4900
Barium, total	ug/L	MW-8	04/19/2010		1130.0000 *	647.4900
Barium, total	ug/L	MW-8	10/20/2010		1970.0000 *	647.4900
Barium, total	ug/L	MW-8	04/20/2011		807.0000 *	647.4900
Barium, total	ug/L	MW-8	10/13/2011		1390.0000 *	647.4900
Barium, total	ug/L	MW-8	04/25/2012		998.0000 *	647.4900
Barium, total	ug/L	MW-8	10/22/2012		864.0000 *	647.4900

* - 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
Barium, total	ug/L	MW-8	04/15/2013		762.0000	*	647.4900
Barium, total	ug/L	MW-8	08/06/2013		959.0000	*	647.4900
Barium, total	ug/L	MW-8	04/07/2014		1060.0000	*	647.4900
Barium, total	ug/L	MW-8	10/23/2014		772.0000	*	647.4900
Barium, total	ug/L	MW-8	04/02/2015		536.0000		647.4900
Barium, total	ug/L	MW-8	10/26/2015		717.0000	*	647.4900
Barium, total	ug/L	MW-8	04/01/2016		547.0000		647.4900
Barium, total	ug/L	MW-8	10/19/2016		871.0000	*	647.4900
Barium, total	ug/L	MW-8	04/17/2017		623.0000		647.4900
Barium, total	ug/L	MW-8	10/11/2017		649.0000	*	647.4900
Barium, total	ug/L	MW-8	06/01/2018		738.0000	*	647.4900
Barium, total	ug/L	MW-8	10/03/2018		220.0000		647.4900
Barium, total	ug/L	MW-8	04/08/2019		716.0000	*	647.4900
Barium, total	ug/L	MW-8	10/11/2019		1060.0000	*	647.4900
Barium, total	ug/L	MW-8	04/27/2020		680.0000	*	647.4900
Barium, total	ug/L	MW-8	10/09/2020		920.0000	*	647.4900
Barium, total	ug/L	MW-8	04/09/2021		833.0000	*	647.4900
Barium, total	ug/L	MW-8	10/25/2021		1160.0000	*	647.4900
Barium, total	ug/L	MW-8	04/11/2022		2160.0000	*	647.4900
Barium, total	ug/L	MW-8	10/12/2022		2840.0000	*	647.4900
Barium, total	ug/L	MW-8	04/06/2023		399.0000		647.4900
Barium, total	ug/L	MW-8	10/09/2023		1610.0000	*	647.4900
Barium, total	ug/L	MW-8	04/04/2024		613.0000		647.4900
Barium, total	ug/L	MW-8	10/16/2024		516.0000		647.4900
Barium, total	ug/L	MW-8	04/07/2025		1360.0000	*	647.4900
Barium, total	ug/L	MW-8	10/20/2025		1590.0000	*	647.4900
Cadmium, total	ug/L	MW-8	04/22/2008	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-8	06/24/2008	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-8	08/01/2008	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-8	10/31/2008	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-8	01/06/2009	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-8	04/13/2009	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-8	06/09/2009	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-8	10/28/2009	ND	1.0000		1.7000
Cadmium, total	ug/L	MW-8	04/19/2010	ND	5.0000		1.7000
Cadmium, total	ug/L	MW-8	10/20/2010		3.0000	*	1.7000
Cadmium, total	ug/L	MW-8	04/20/2011	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	10/13/2011		1.0000		1.7000
Cadmium, total	ug/L	MW-8	04/25/2012		0.9000		1.7000
Cadmium, total	ug/L	MW-8	10/22/2012	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	04/15/2013	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	08/06/2013	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	04/07/2014	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	10/23/2014	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	04/02/2015	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	10/26/2015	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	04/01/2016	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	10/19/2016	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	04/17/2017	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	10/11/2017	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	06/01/2018	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	10/03/2018		1.9000	*	1.7000
Cadmium, total	ug/L	MW-8	04/08/2019	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	10/11/2019	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	04/27/2020	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	10/09/2020	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	04/09/2021	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	10/25/2021	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	04/11/2022		0.8000		1.7000
Cadmium, total	ug/L	MW-8	10/12/2022	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	04/06/2023	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	10/09/2023	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	04/04/2024	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	10/16/2024	ND	0.8000		1.7000
Cadmium, total	ug/L	MW-8	04/07/2025		2.6000	*	1.7000
Cadmium, total	ug/L	MW-8	10/20/2025		0.5000		1.7000
Zinc, total	ug/L	MW-8	04/22/2008		11.0000		45.3000
Zinc, total	ug/L	MW-8	06/24/2008		11.0000		45.3000
Zinc, total	ug/L	MW-8	08/01/2008		13.0000		45.3000
Zinc, total	ug/L	MW-8	10/31/2008		28.4000		45.3000
Zinc, total	ug/L	MW-8	01/06/2009		34.6000		45.3000

* - 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
Zinc, total	ug/L	MW-8	04/13/2009		32.3000	45.3000
Zinc, total	ug/L	MW-8	06/09/2009		32.7000	45.3000
Zinc, total	ug/L	MW-8	10/28/2009		39.8000	45.3000
Zinc, total	ug/L	MW-8	04/19/2010		213.0000 *	45.3000
Zinc, total	ug/L	MW-8	10/20/2010		448.0000 *	45.3000
Zinc, total	ug/L	MW-8	04/20/2011		9.2000	45.3000
Zinc, total	ug/L	MW-8	10/13/2011		51.3000 *	45.3000
Zinc, total	ug/L	MW-8	04/25/2012		56.2000 *	45.3000
Zinc, total	ug/L	MW-8	10/22/2012		25.7000	45.3000
Zinc, total	ug/L	MW-8	04/15/2013		38.9000	45.3000
Zinc, total	ug/L	MW-8	08/06/2013		31.2000	45.3000
Zinc, total	ug/L	MW-8	04/07/2014		61.8000 *	45.3000
Zinc, total	ug/L	MW-8	10/23/2014	ND	8.0000	45.3000
Zinc, total	ug/L	MW-8	04/02/2015	ND	8.0000	45.3000
Zinc, total	ug/L	MW-8	10/26/2015	ND	20.0000	45.3000
Zinc, total	ug/L	MW-8	04/01/2016	ND	8.0000	45.3000
Zinc, total	ug/L	MW-8	10/19/2016	ND	8.0000	45.3000
Zinc, total	ug/L	MW-8	04/17/2017	ND	8.0000	45.3000
Zinc, total	ug/L	MW-8	10/11/2017	ND	8.0000	45.3000
Zinc, total	ug/L	MW-8	06/01/2018	ND	8.0000	45.3000
Zinc, total	ug/L	MW-8	10/03/2018	ND	20.0000	45.3000
Zinc, total	ug/L	MW-8	04/08/2019	ND	8.0000	45.3000
Zinc, total	ug/L	MW-8	10/11/2019		31.3000	45.3000
Zinc, total	ug/L	MW-8	04/27/2020	ND	20.0000	45.3000
Zinc, total	ug/L	MW-8	10/09/2020	ND	20.0000	45.3000
Zinc, total	ug/L	MW-8	04/09/2021	ND	20.0000	45.3000
Zinc, total	ug/L	MW-8	10/25/2021	ND	20.0000	45.3000
Zinc, total	ug/L	MW-8	04/11/2022		31.7000	45.3000
Zinc, total	ug/L	MW-8	10/12/2022	ND	20.0000	45.3000
Zinc, total	ug/L	MW-8	04/06/2023	ND	20.0000	45.3000
Zinc, total	ug/L	MW-8	10/09/2023	ND	20.0000	45.3000
Zinc, total	ug/L	MW-8	04/04/2024	ND	20.0000	45.3000
Zinc, total	ug/L	MW-8	10/16/2024	ND	20.0000	45.3000
Zinc, total	ug/L	MW-8	04/07/2025		145.0000 *	45.3000
Zinc, total	ug/L	MW-8	10/20/2025	ND	5.0000	45.3000

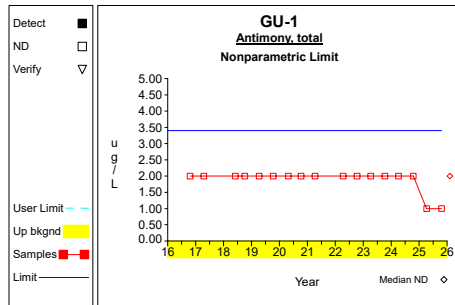
* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

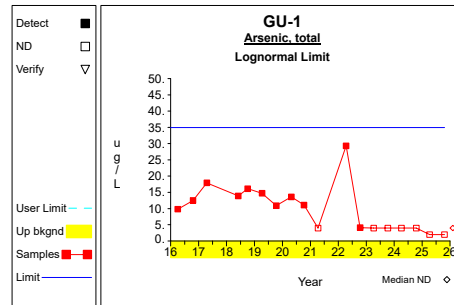
*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

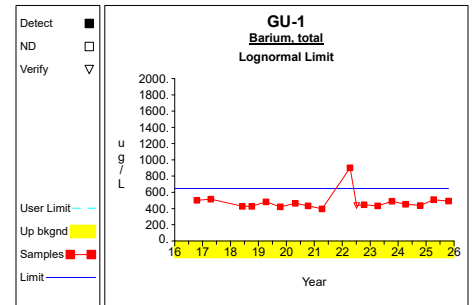
Up vs. Down Prediction Limits



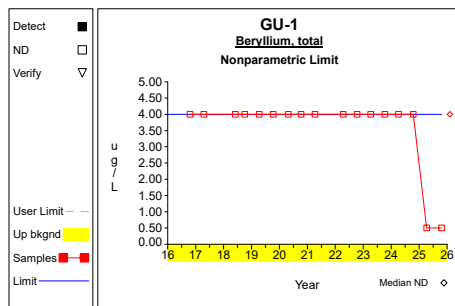
Graph 1



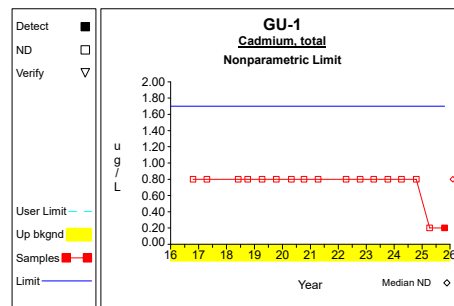
Graph 2



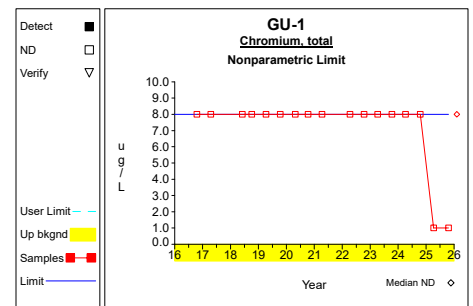
Graph 3



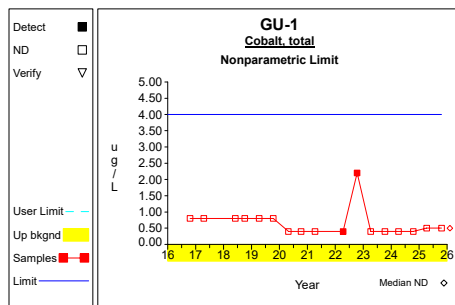
Graph 4



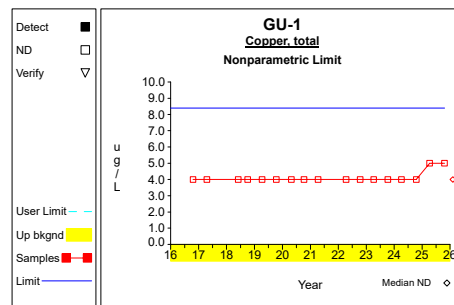
Graph 5



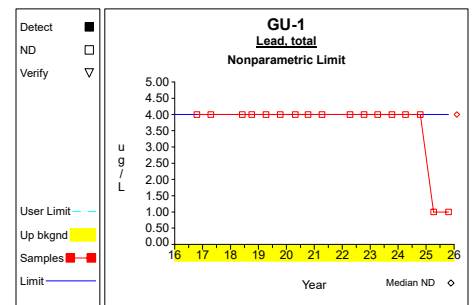
Graph 6



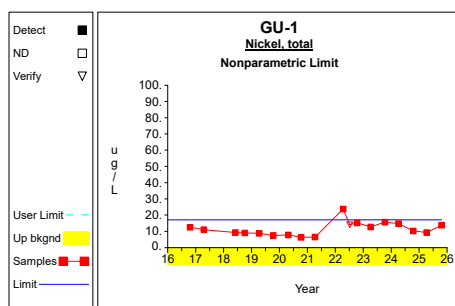
Graph 7



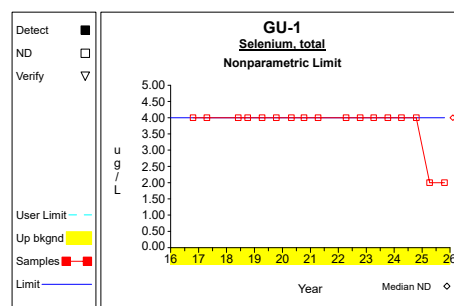
Graph 8



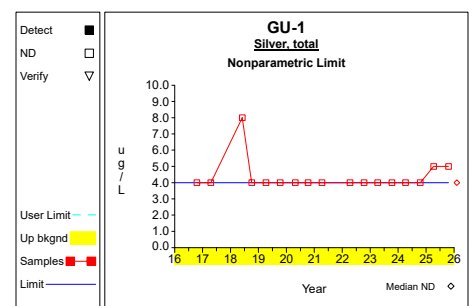
Graph 9



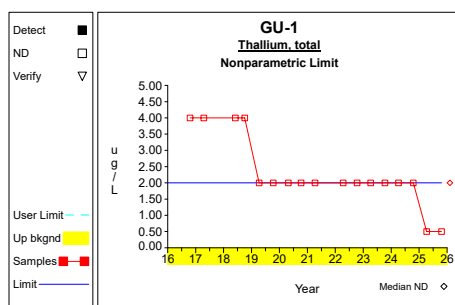
Graph 10



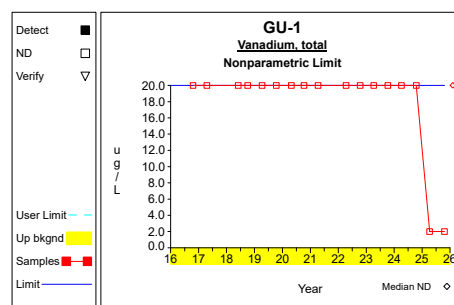
Graph 11



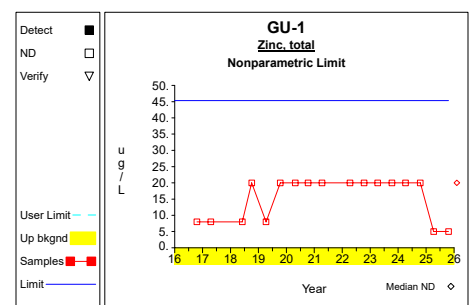
Graph 12



Graph 13

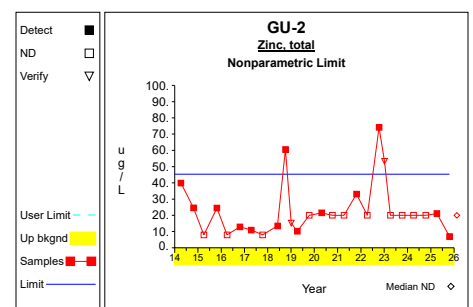
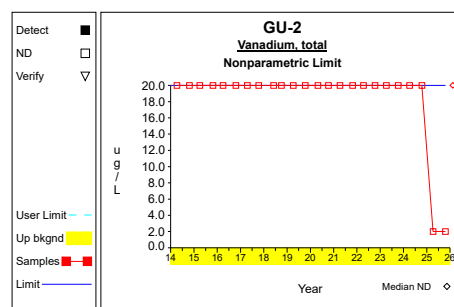
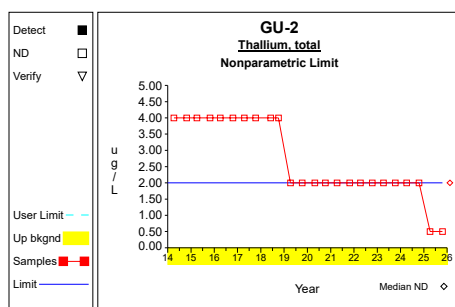
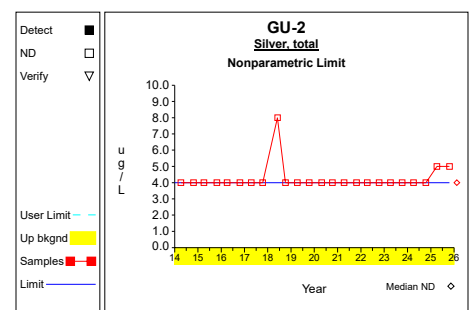
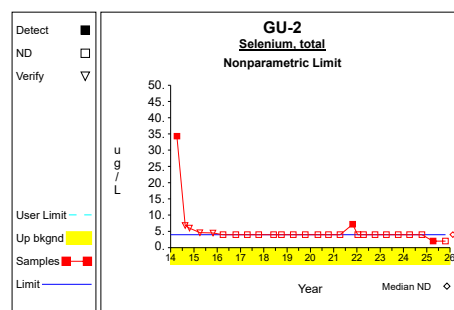
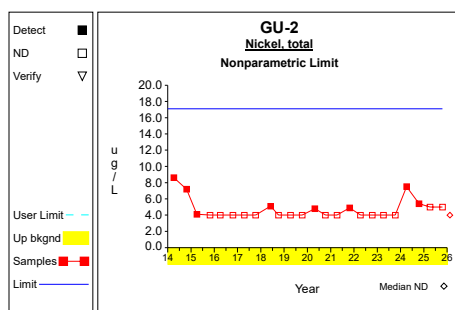
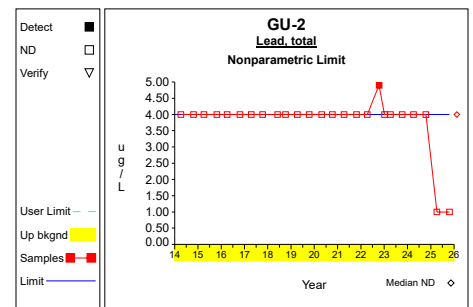
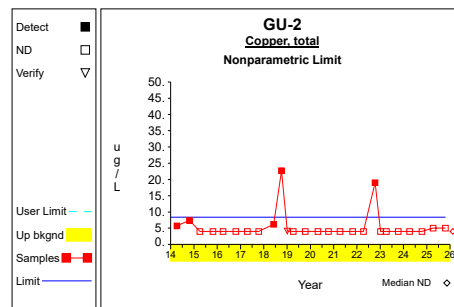
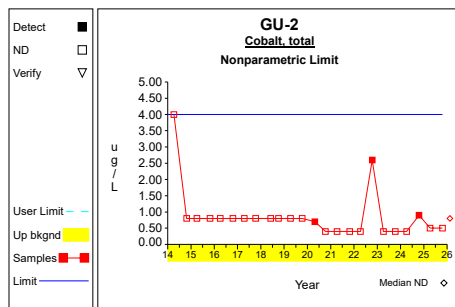
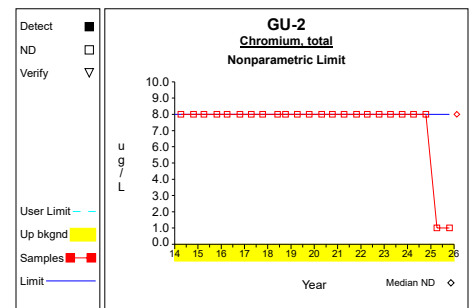
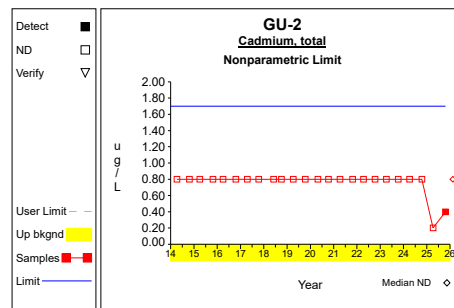
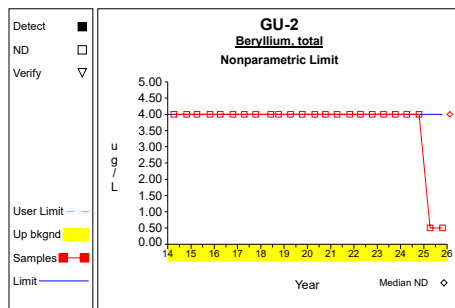
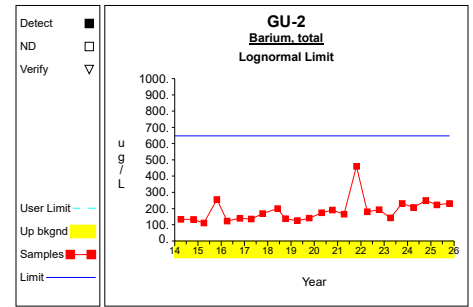
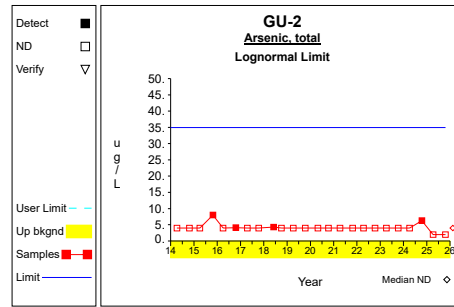
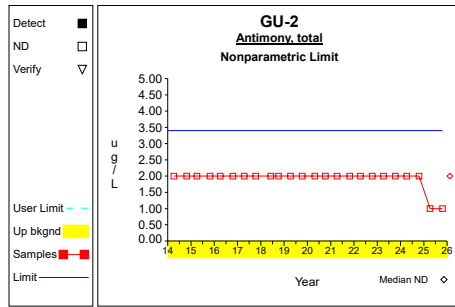


Graph 14

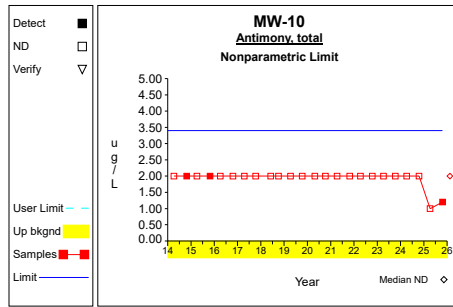


Graph 15

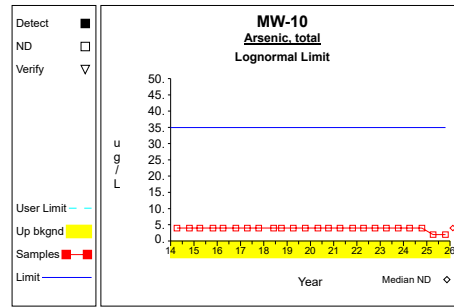
Up vs. Down Prediction Limits



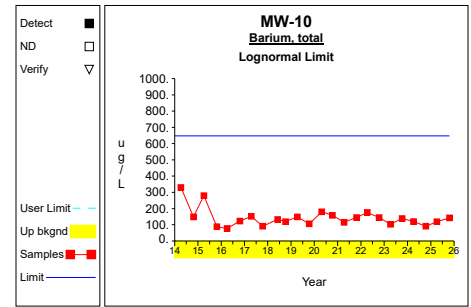
Up vs. Down Prediction Limits



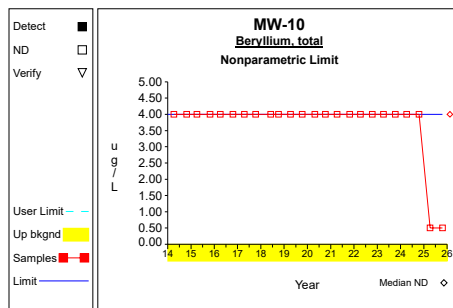
Graph 31



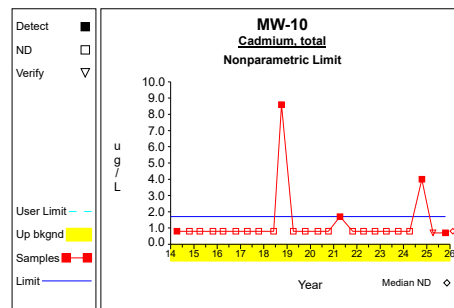
Graph 32



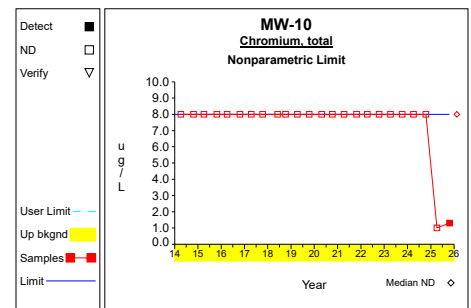
Graph 33



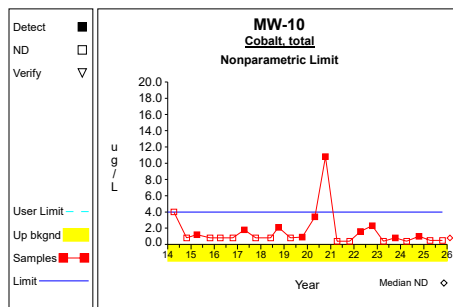
Graph 34



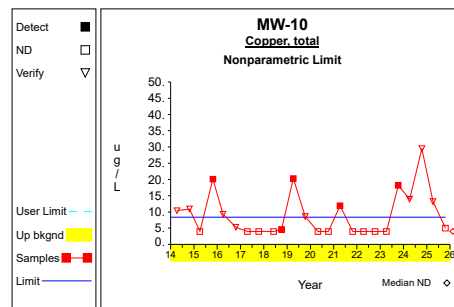
Graph 35



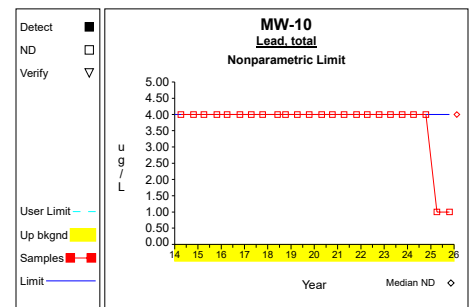
Graph 36



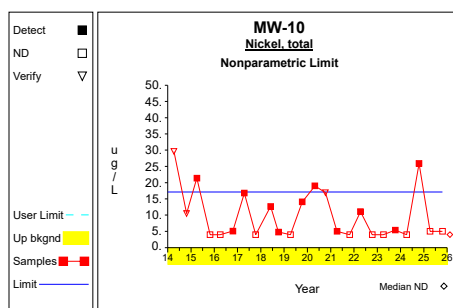
Graph 37



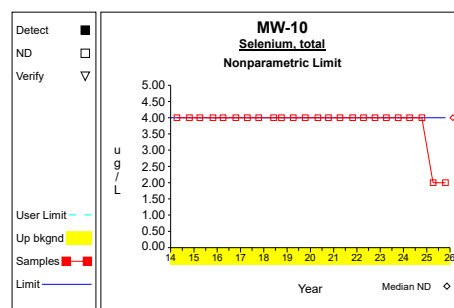
Graph 38



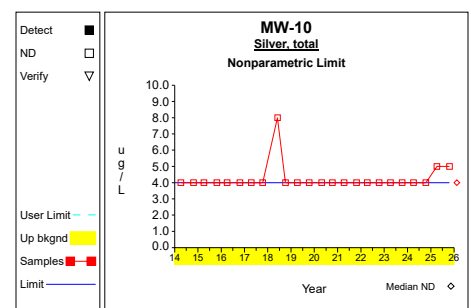
Graph 39



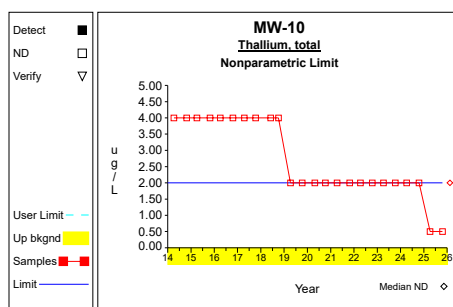
Graph 40



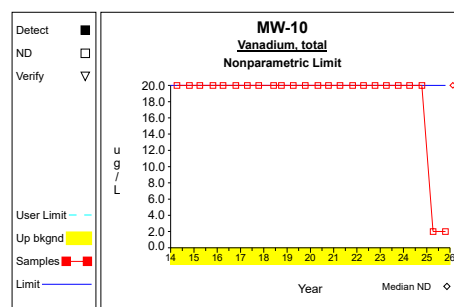
Graph 41



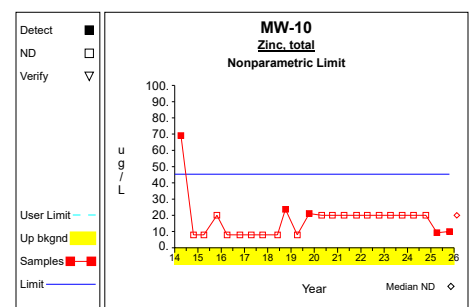
Graph 42



Graph 43

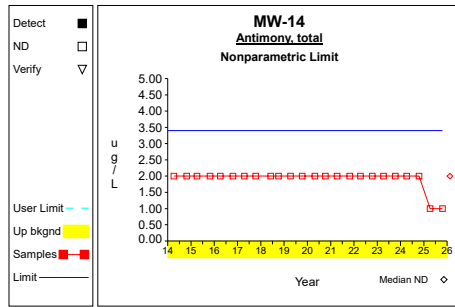


Graph 44

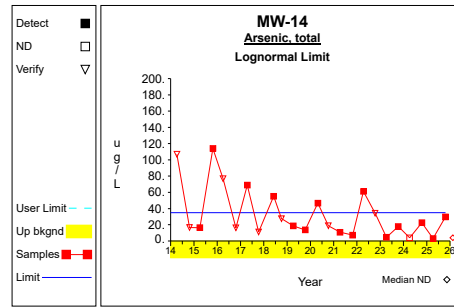


Graph 45

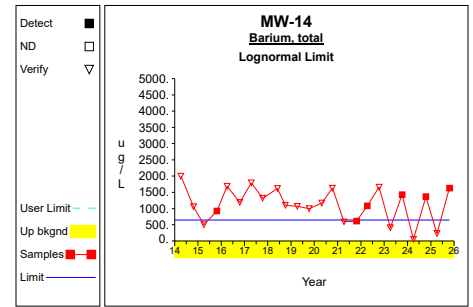
Up vs. Down Prediction Limits



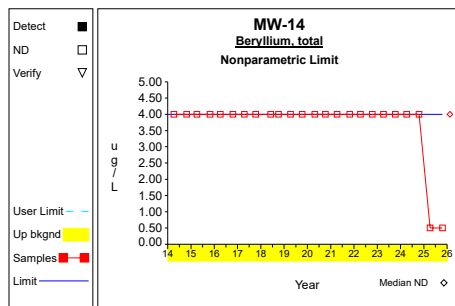
Graph 46



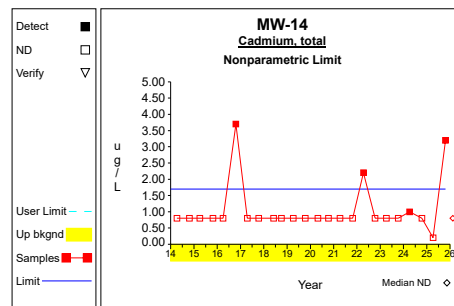
Graph 47



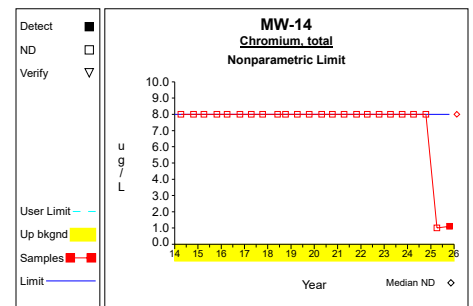
Graph 48



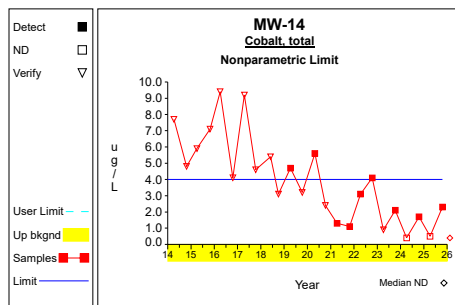
Graph 49



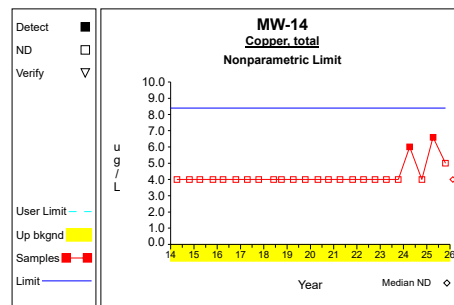
Graph 50



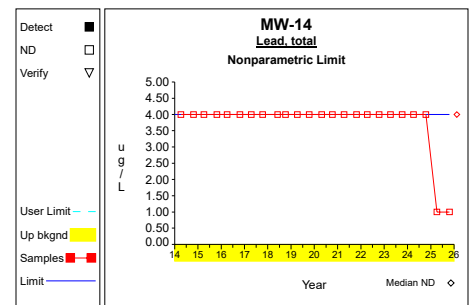
Graph 51



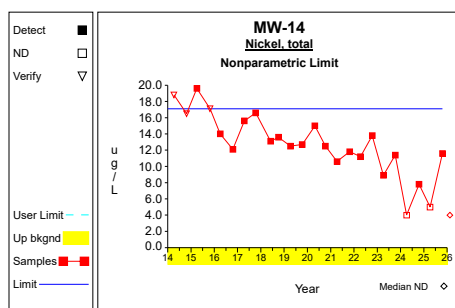
Graph 52



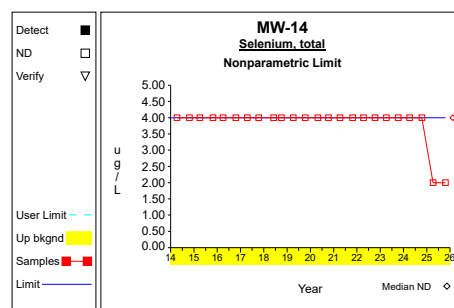
Graph 53



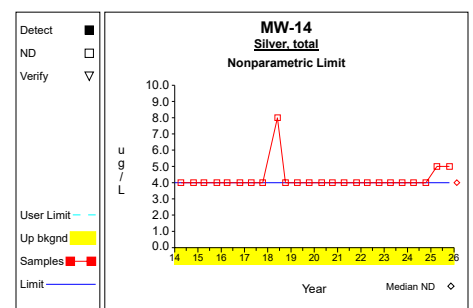
Graph 54



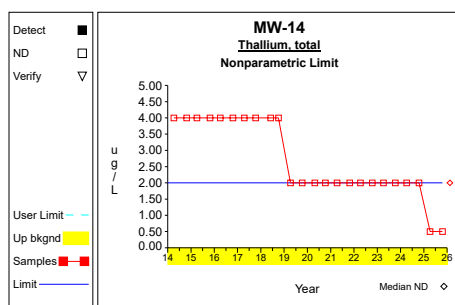
Graph 55



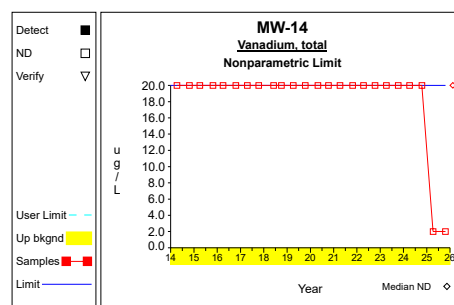
Graph 56



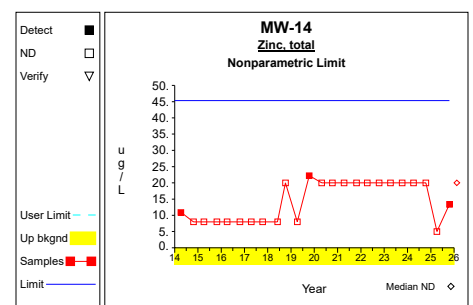
Graph 57



Graph 58

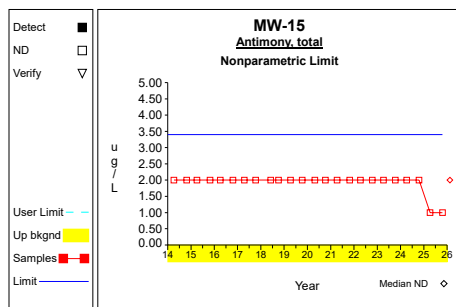


Graph 59

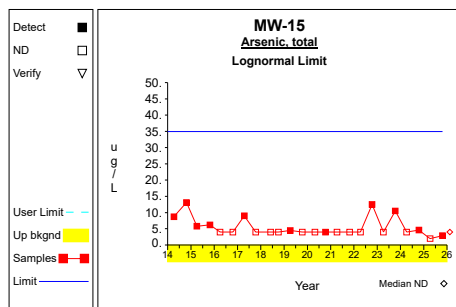


Graph 60

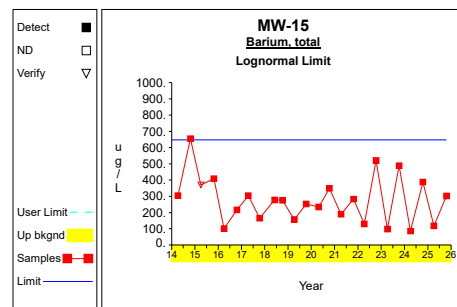
Up vs. Down Prediction Limits



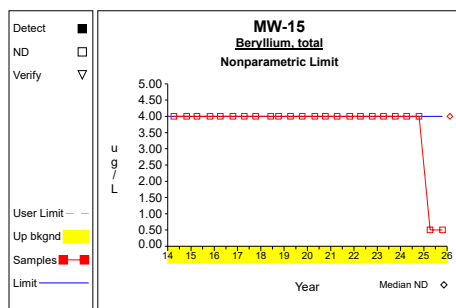
Graph 61



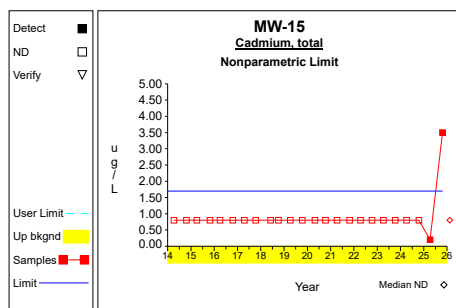
Graph 62



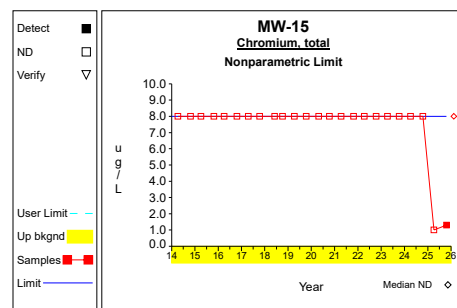
Graph 63



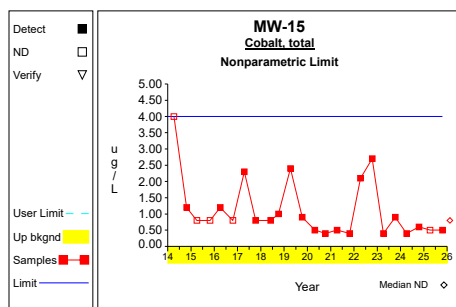
Graph 64



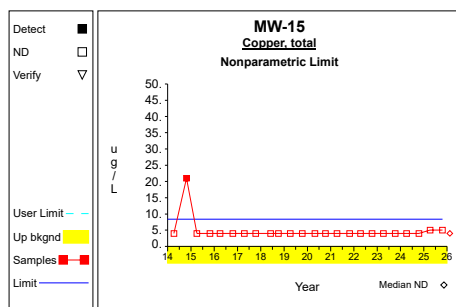
Graph 65



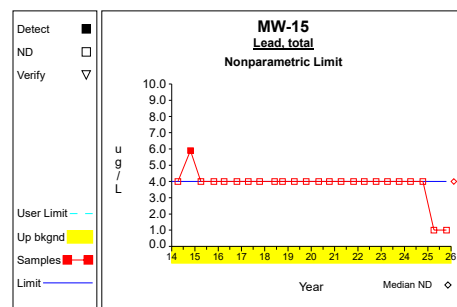
Graph 66



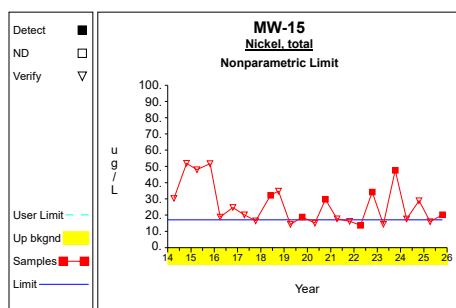
Graph 67



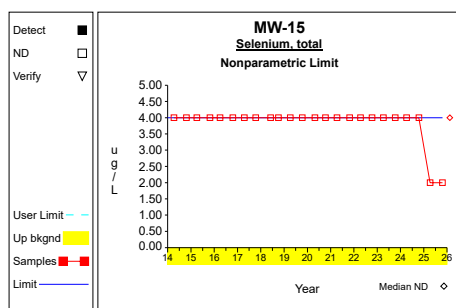
Graph 68



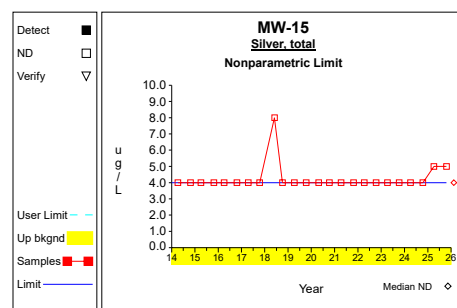
Graph 69



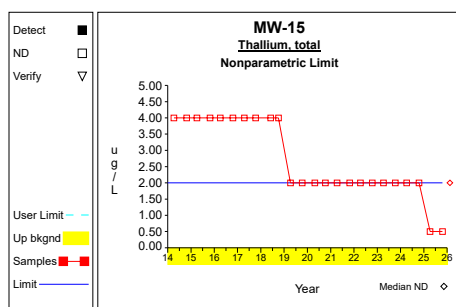
Graph 70



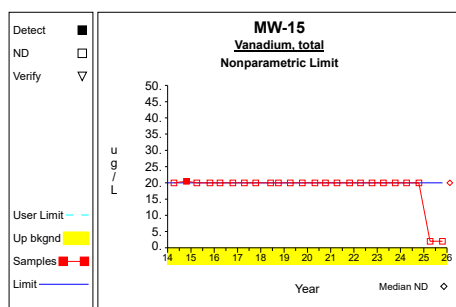
Graph 71



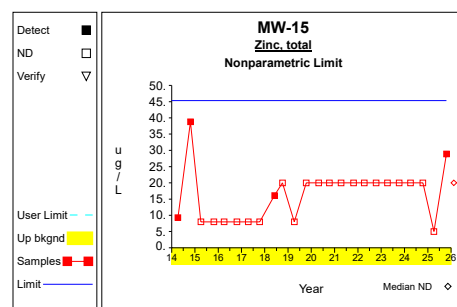
Graph 72



Graph 73

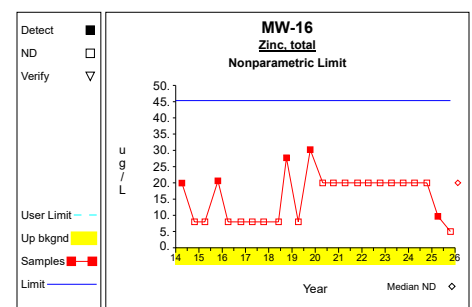
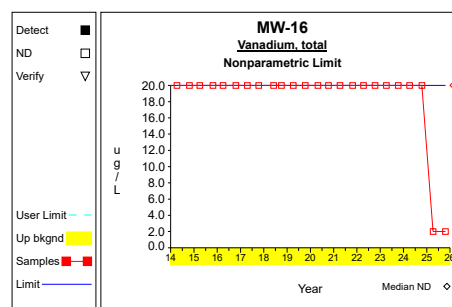
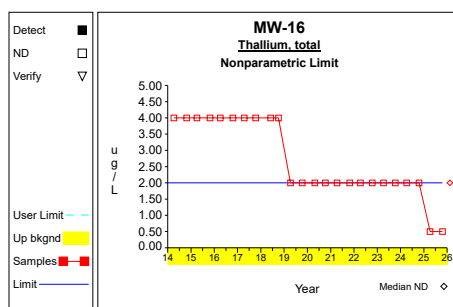
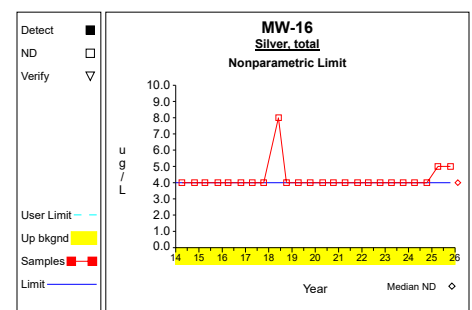
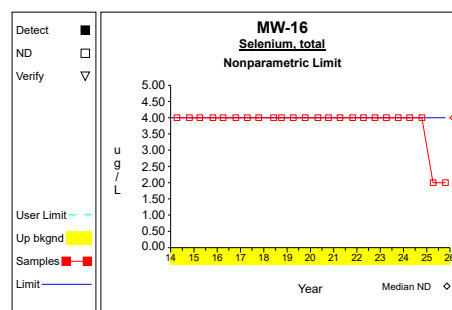
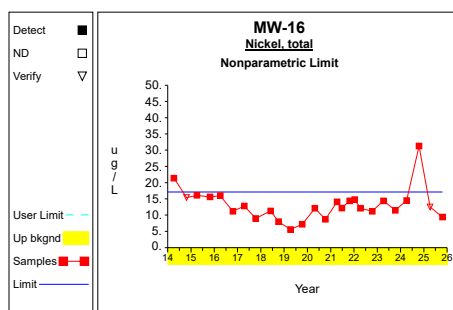
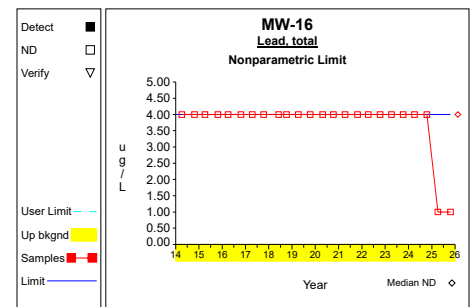
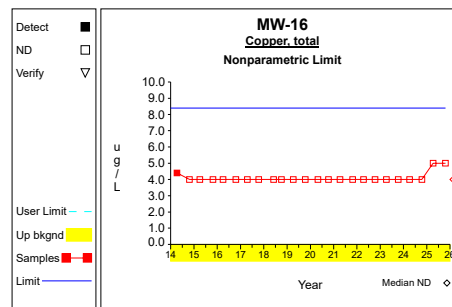
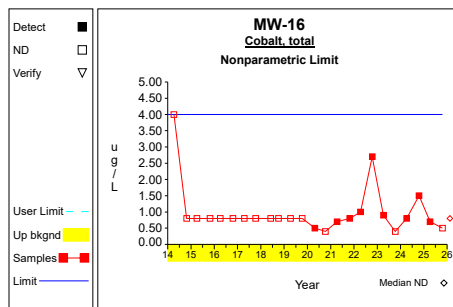
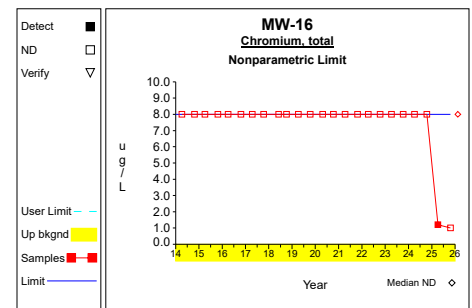
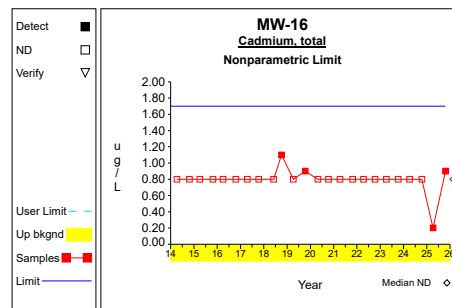
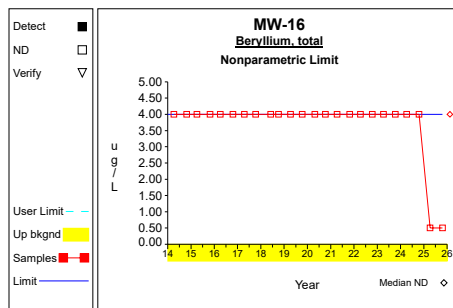
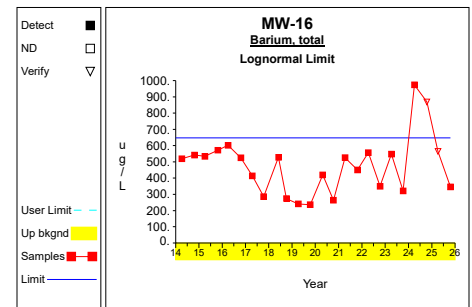
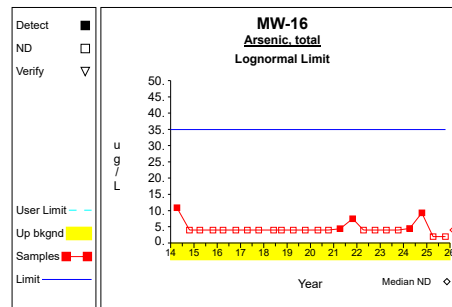
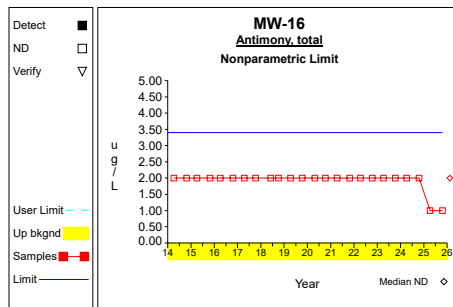


Graph 74

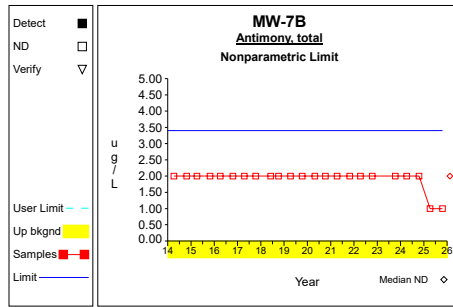


Graph 75

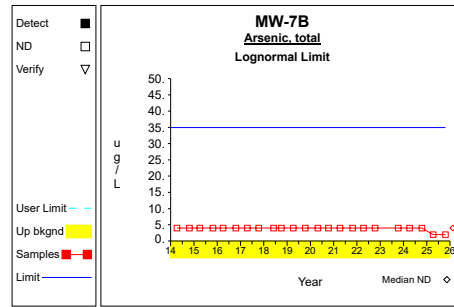
Up vs. Down Prediction Limits



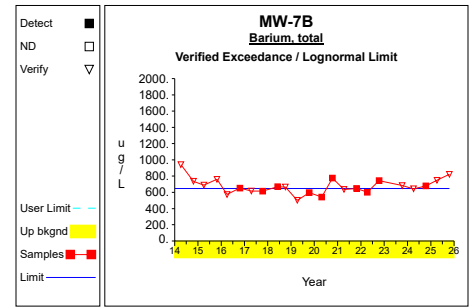
Up vs. Down Prediction Limits



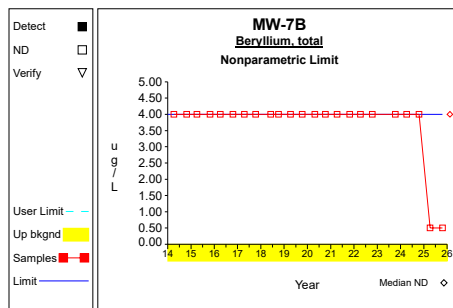
Graph 91



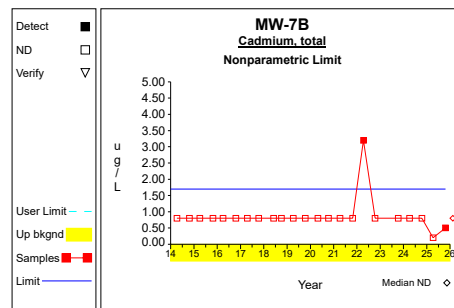
Graph 92



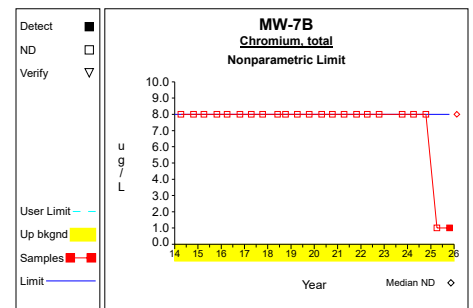
Graph 93



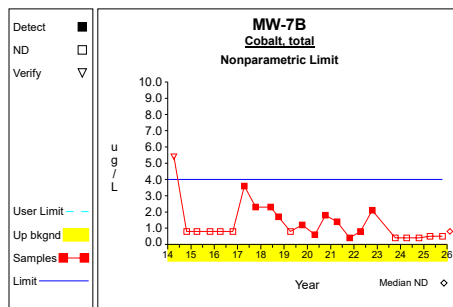
Graph 94



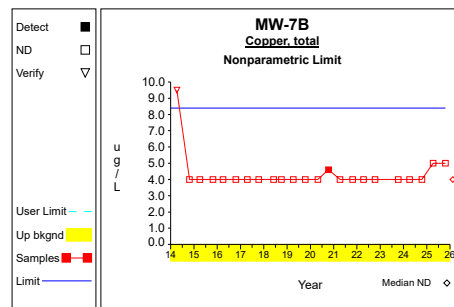
Graph 95



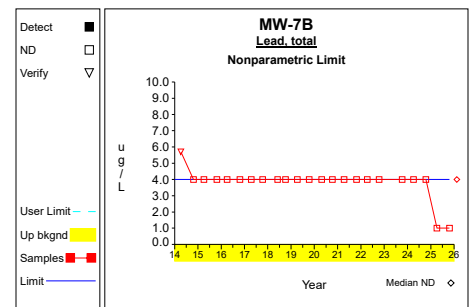
Graph 96



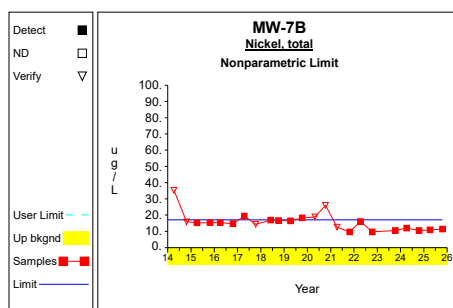
Graph 97



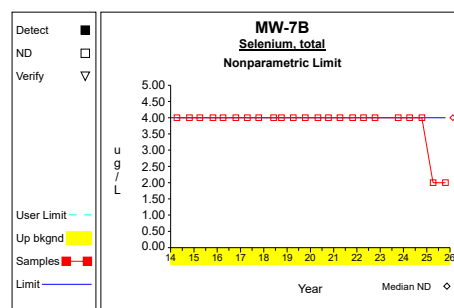
Graph 98



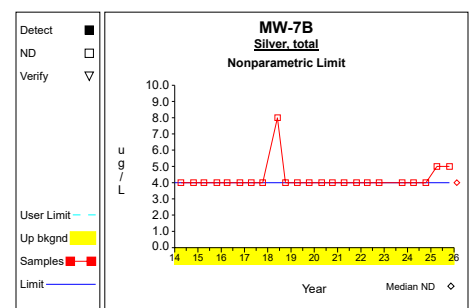
Graph 99



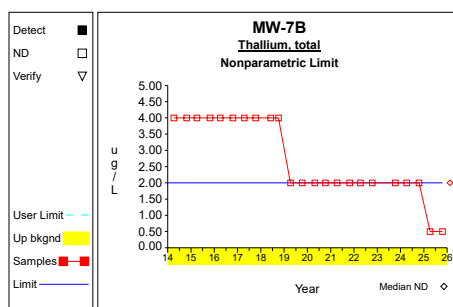
Graph 100



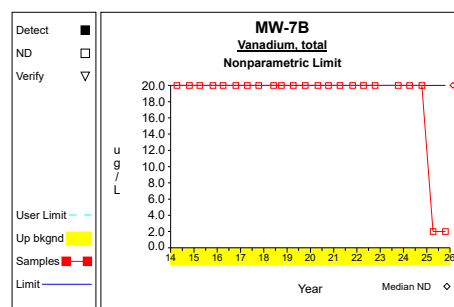
Graph 101



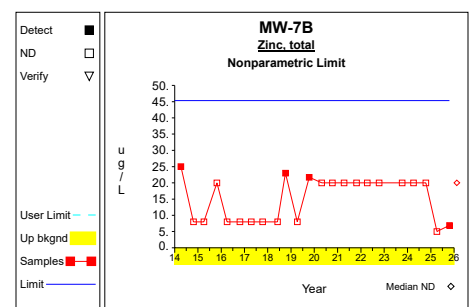
Graph 102



Graph 103

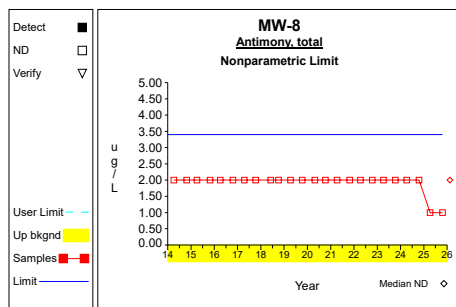


Graph 104

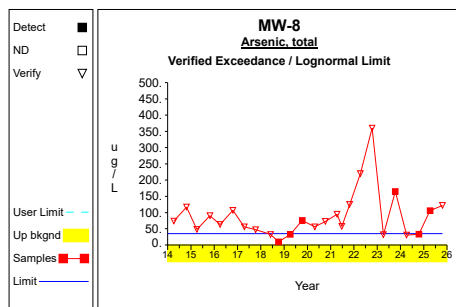


Graph 105

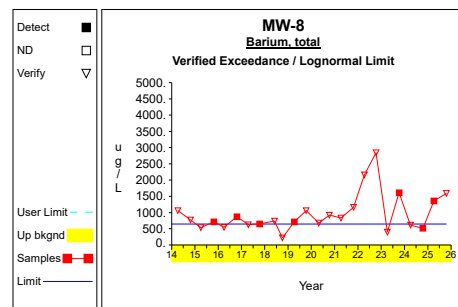
Up vs. Down Prediction Limits



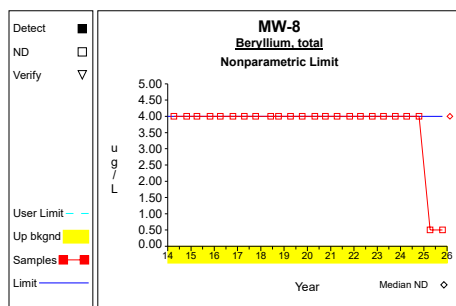
Graph 106



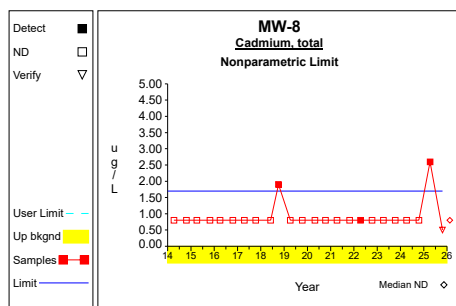
Graph 107



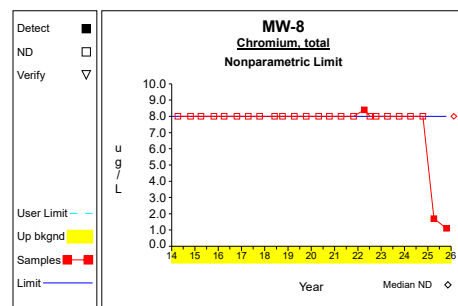
Graph 108



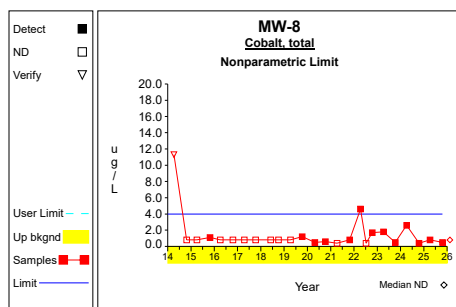
Graph 109



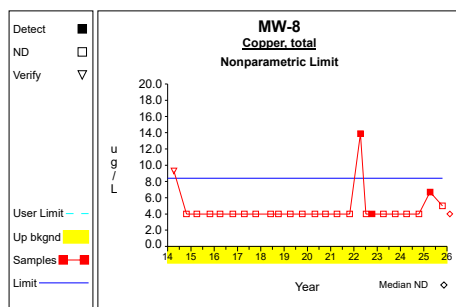
Graph 110



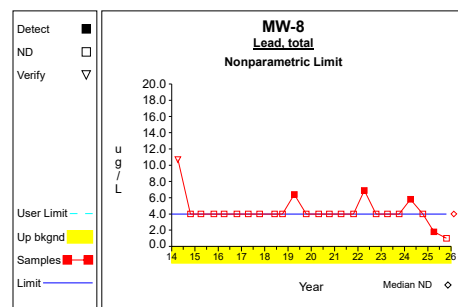
Graph 111



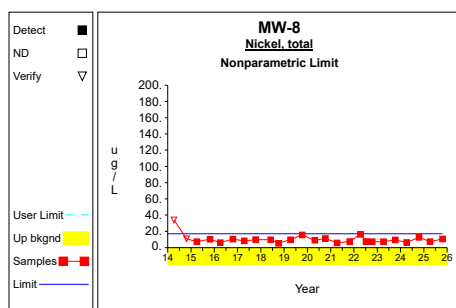
Graph 112



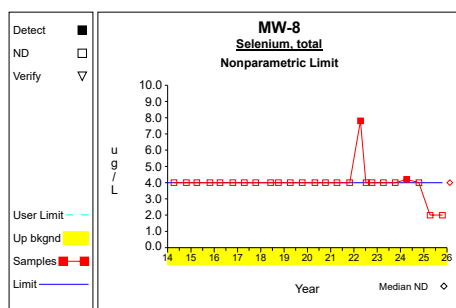
Graph 113



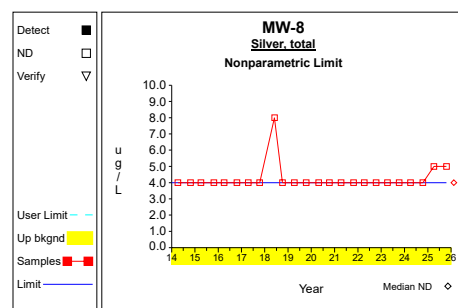
Graph 114



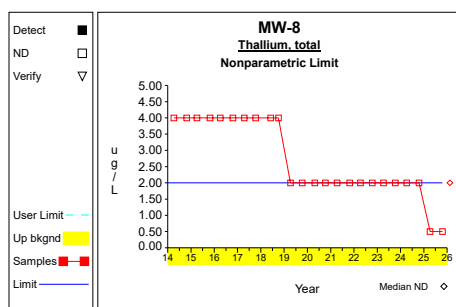
Graph 115



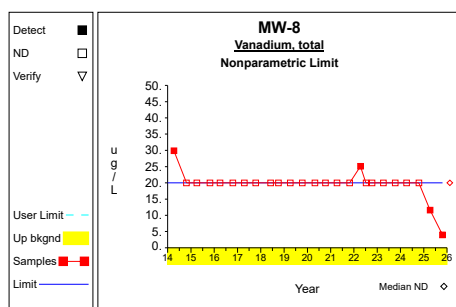
Graph 116



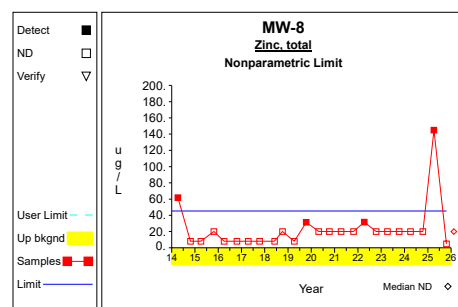
Graph 117



Graph 118

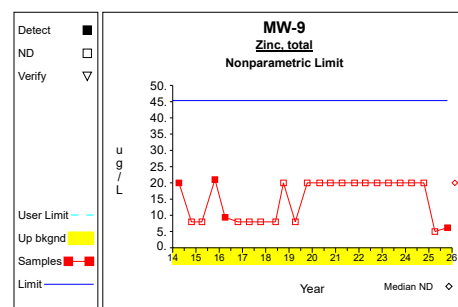
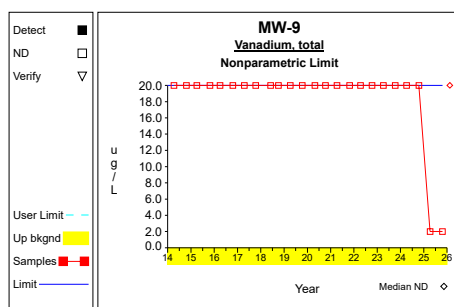
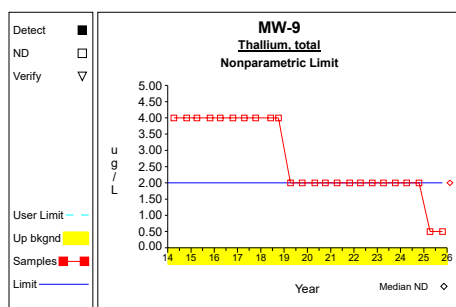
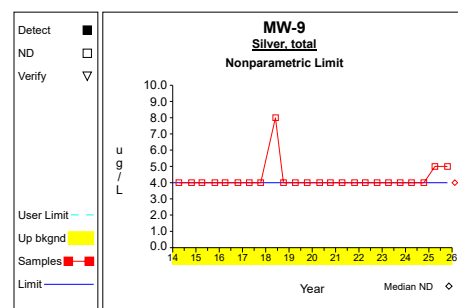
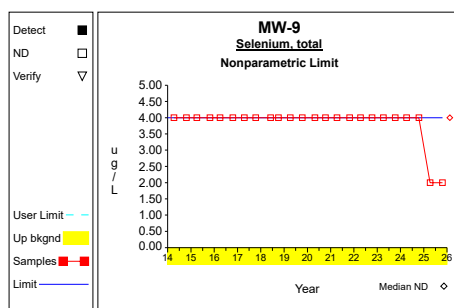
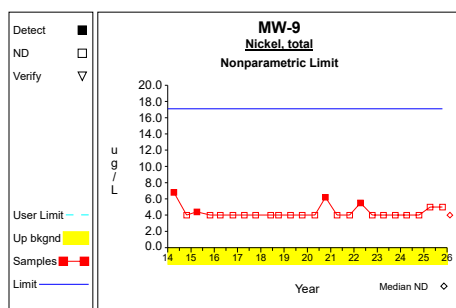
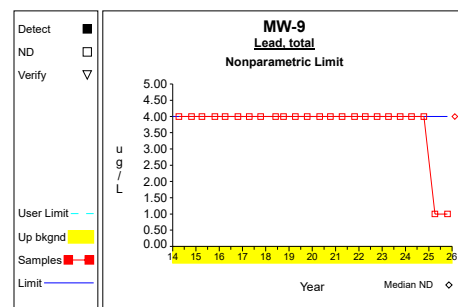
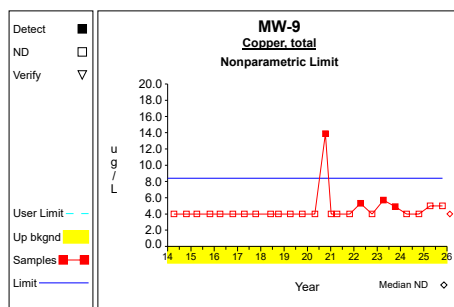
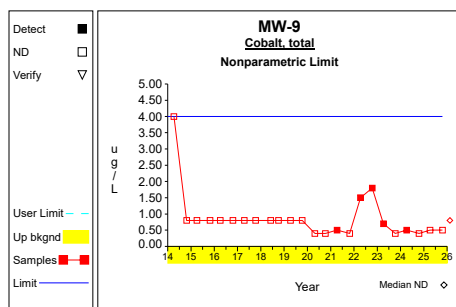
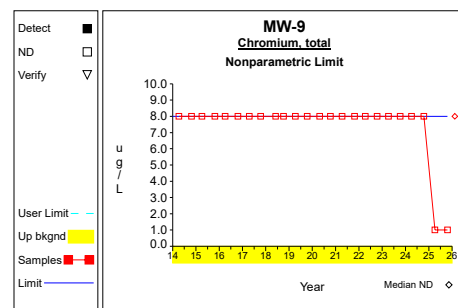
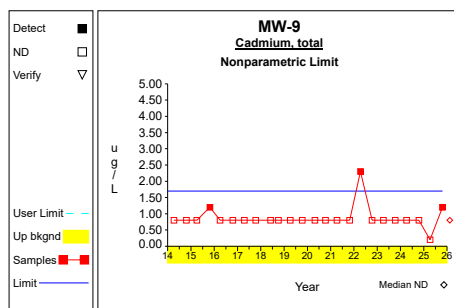
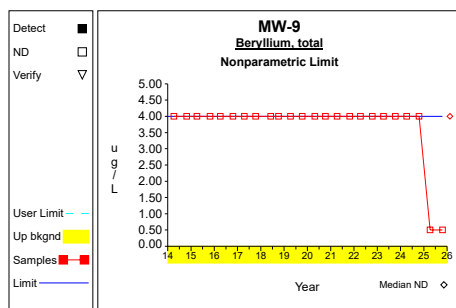
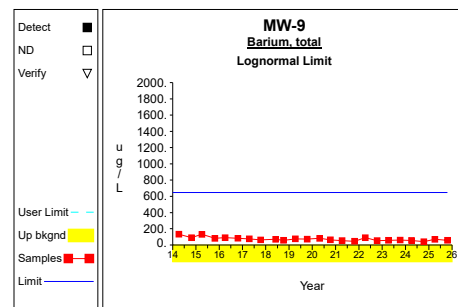
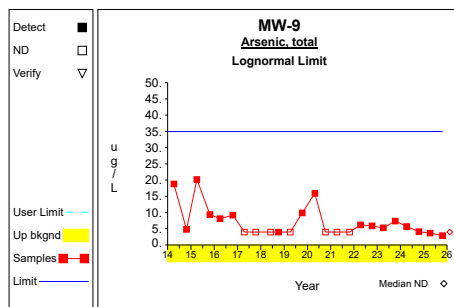
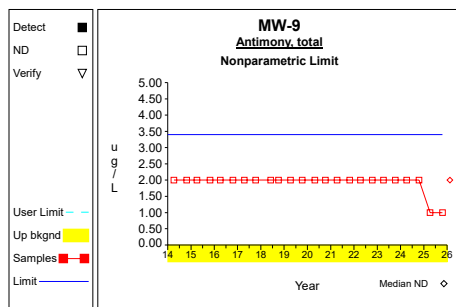


Graph 119

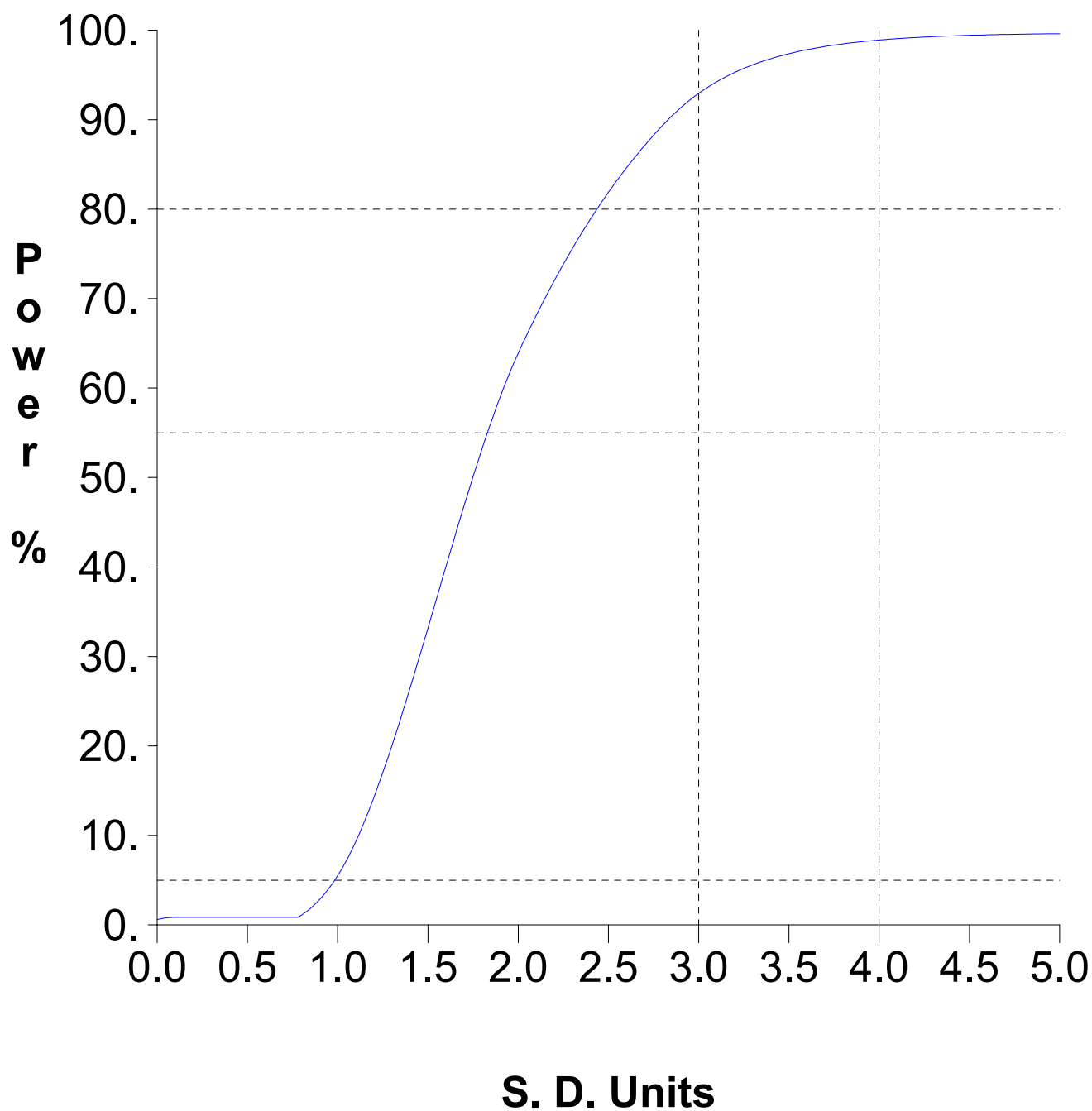


Graph 120

Up vs. Down Prediction Limits



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-10	4	2.000	0.000	1.176	2.000	2.000	10.000		
Barium, total	ug/L	MW-10	4	118.050	20.810	1.176	93.571	142.529	2000.000		
Cadmium, total	ug/L	MW-10	4	1.450	1.706	1.176	0.000	3.457	5.000		
Cobalt, total	ug/L	MW-10	4	0.550	0.300	1.176	0.197	0.903	2.100		
Copper, total	ug/L	MW-10	4	14.650	11.302	1.176	1.356	27.944	1300.000		
Nickel, total	ug/L	MW-10	4	7.975	11.950	1.176	0.000	22.032	100.000		
Zinc, total	ug/L	MW-10	4	9.825	0.350	1.176	9.413	10.237	2000.000		
Arsenic, total	ug/L	MW-14	4	14.350	13.955	1.176	0.000	30.765	10.000		
Barium, total	ug/L	MW-14	4	822.425	793.063	1.176	0.000	1755.296	2000.000		
Cadmium, total	ug/L	MW-14	4	1.250	1.330	1.176	0.000	2.815	5.000		
Cobalt, total	ug/L	MW-14	4	1.100	1.068	1.176	0.000	2.356	2.100	dec	
Copper, total	ug/L	MW-14	4	4.150	2.495	1.176	1.216	7.084	1300.000		
Nickel, total	ug/L	MW-14	4	5.850	4.709	1.176	0.311	11.389	100.000	dec	
Zinc, total	ug/L	MW-14	4	10.850	1.700	1.176	8.850	12.850	2000.000		
Arsenic, total	ug/L	MW-15	4	2.875	1.226	1.176	1.433	4.317	10.000		
Barium, total	ug/L	MW-15	4	223.500	145.211	1.176	52.690	394.310	2000.000		
Cadmium, total	ug/L	MW-15	4	1.125	1.586	1.176	0.000	2.991	5.000		
Cobalt, total	ug/L	MW-15	4	0.475	0.096	1.176	0.362	0.588	2.100		
Copper, total	ug/L	MW-15	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-15	4	20.675	5.750	1.176	13.911	27.439	100.000		
Zinc, total	ug/L	MW-15	4	14.725	9.450	1.176	3.609	25.841	2000.000		
Arsenic, total	ug/L	MW-16	4	4.450	3.441	1.176	0.402	8.498	10.000		
Barium, total	ug/L	MW-16	4	688.250	286.878	1.176	350.799	1025.701	2000.000		
Cadmium, total	ug/L	MW-16	4	0.475	0.299	1.176	0.124	0.826	5.000		
Cobalt, total	ug/L	MW-16	4	0.850	0.465	1.176	0.302	1.398	2.100		
Copper, total	ug/L	MW-16	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-16	4	16.925	9.810	1.176	5.385	28.465	100.000		
Zinc, total	ug/L	MW-16	4	9.925	0.150	1.176	9.749	10.101	2000.000		
Arsenic, total	ug/L	MW-3AR	4	3.250	2.500	1.176	0.309	6.191	10.000		
Barium, total	ug/L	MW-3AR	4	152.525	145.133	1.176	0.000	323.244	2000.000		
Cadmium, total	ug/L	MW-3AR	4	1.200	0.748	1.176	0.320	2.080	5.000		
Cobalt, total	ug/L	MW-3AR	4	0.600	0.231	1.176	0.328	0.872	2.100		
Copper, total	ug/L	MW-3AR	4	5.425	4.106	1.176	0.596	10.254	1300.000		
Nickel, total	ug/L	MW-3AR	4	3.750	2.100	1.176	1.280	6.220	100.000		
Zinc, total	ug/L	MW-3AR	4	9.150	1.700	1.176	7.150	11.150	2000.000		
Arsenic, total	ug/L	MW-7A	4	2.000	0.000	1.176	2.000	2.000	10.000		
Barium, total	ug/L	MW-7A	4	136.075	78.053	1.176	44.262	227.888	2000.000		
Cadmium, total	ug/L	MW-7A	4	0.375	0.050	1.176	0.316	0.434	5.000		
Cobalt, total	ug/L	MW-7A	4	0.875	0.525	1.176	0.257	1.493	2.100		
Copper, total	ug/L	MW-7A	4	2.625	1.250	1.176	1.155	4.095	1300.000		
Nickel, total	ug/L	MW-7A	4	30.425	17.646	1.176	9.668	51.182	100.000		
Zinc, total	ug/L	MW-7A	4	8.825	2.350	1.176	6.061	11.589	2000.000		
Arsenic, total	ug/L	MW-7B	4	2.000	0.000	1.176	2.000	2.000	10.000		
Barium, total	ug/L	MW-7B	4	722.750	78.961	1.176	629.869	815.631	2000.000		
Cadmium, total	ug/L	MW-7B	4	0.425	0.050	1.176	0.366	0.484	5.000		
Cobalt, total	ug/L	MW-7B	4	0.400	0.000	1.176	0.400	0.400	2.100		
Copper, total	ug/L	MW-7B	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-7B	4	11.225	0.690	1.176	10.414	12.036	100.000		
Zinc, total	ug/L	MW-7B	4	9.225	1.550	1.176	7.402	11.048	2000.000		
Arsenic, total	ug/L	MW-8	4	73.100	47.689	1.176	17.004	129.196	10.000		**
Barium, total	ug/L	MW-8	4	1019.750	535.464	1.176	389.890	1649.610	2000.000		
Cadmium, total	ug/L	MW-8	4	0.975	1.084	1.176	0.000	2.251	5.000		
Cobalt, total	ug/L	MW-8	4	1.075	1.031	1.176	0.000	2.287	2.100		
Copper, total	ug/L	MW-8	4	3.175	2.350	1.176	0.411	5.939	1300.000		
Nickel, total	ug/L	MW-8	4	9.225	2.934	1.176	5.774	12.676	100.000		
Zinc, total	ug/L	MW-8	4	43.750	67.500	1.176	0.000	123.149	2000.000		

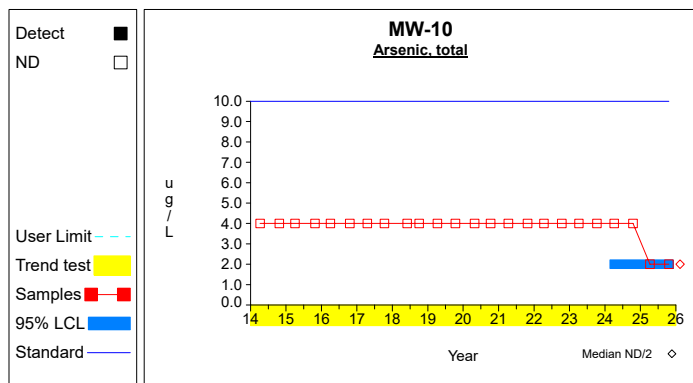
* - Insufficient Data

** - Significant Exceedance

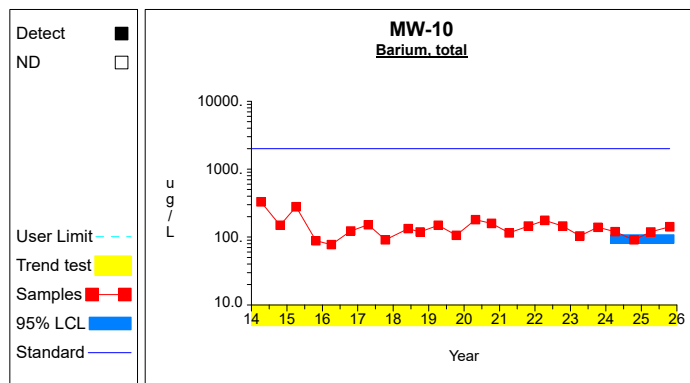
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

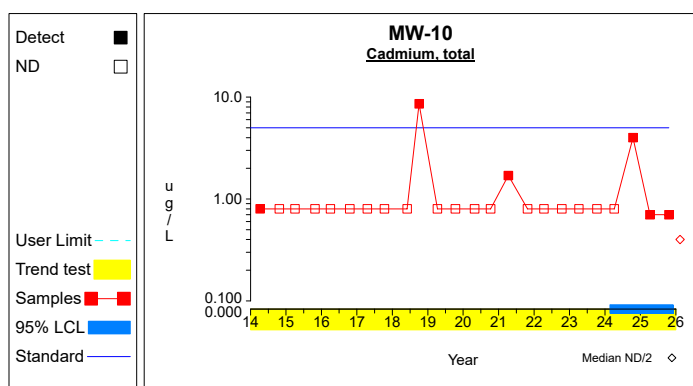
Confidence Limits (Assessment)



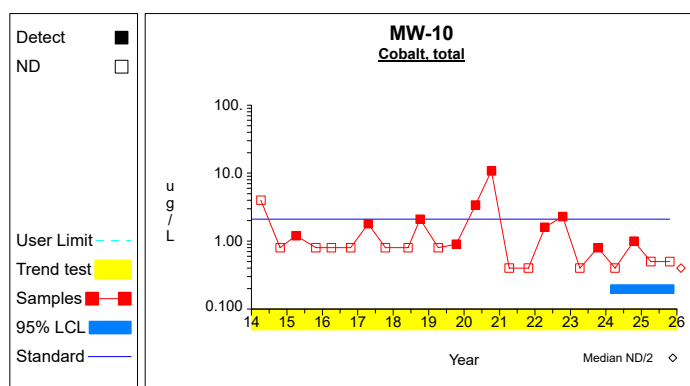
Graph 1



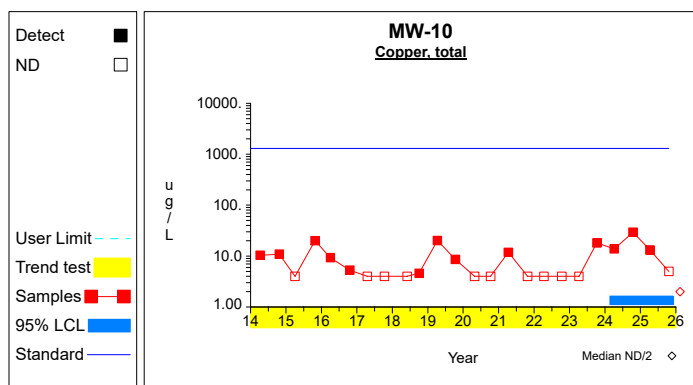
Graph 2



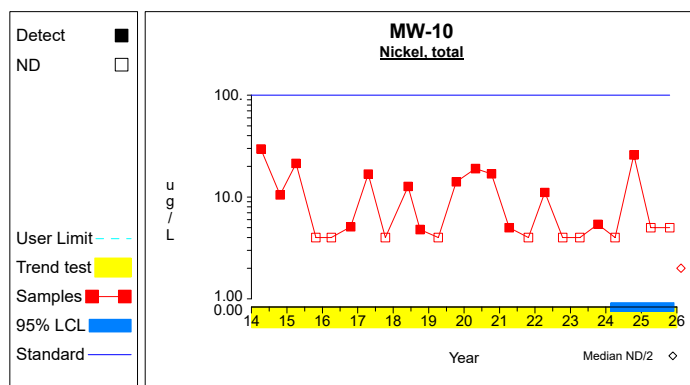
Graph 3



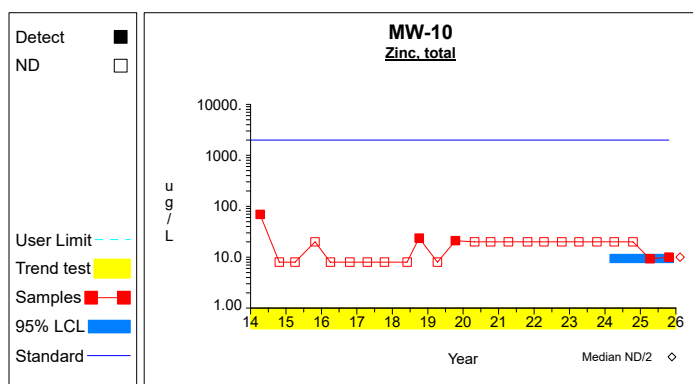
Graph 4



Graph 5

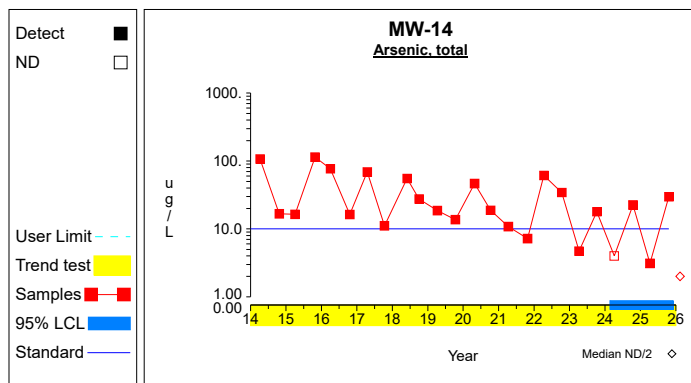


Graph 6

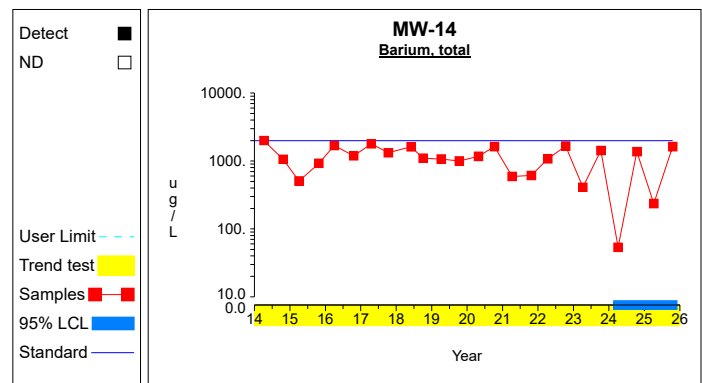


Graph 7

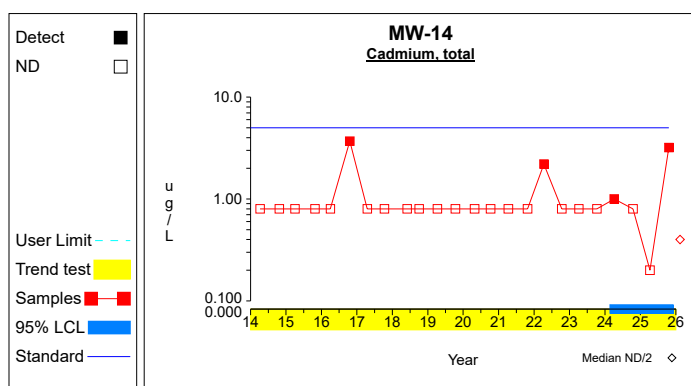
Confidence Limits (Assessment)



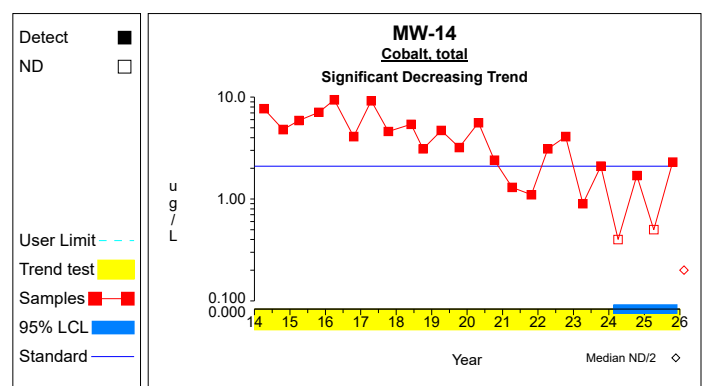
Graph 8



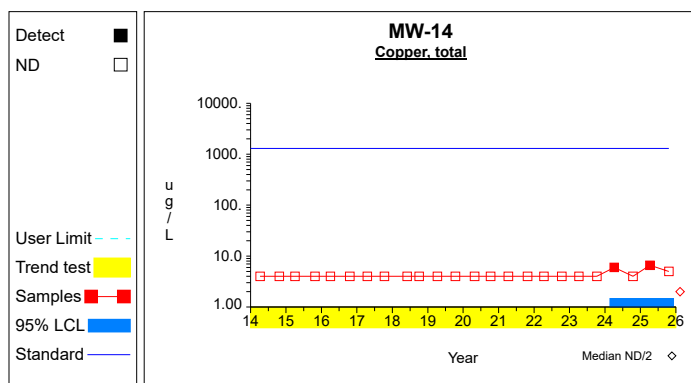
Graph 9



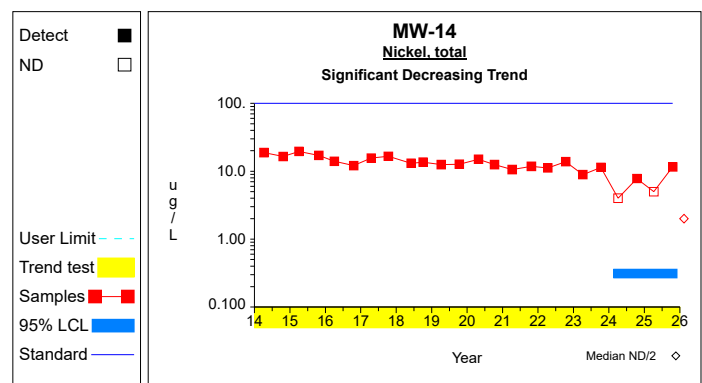
Graph 10



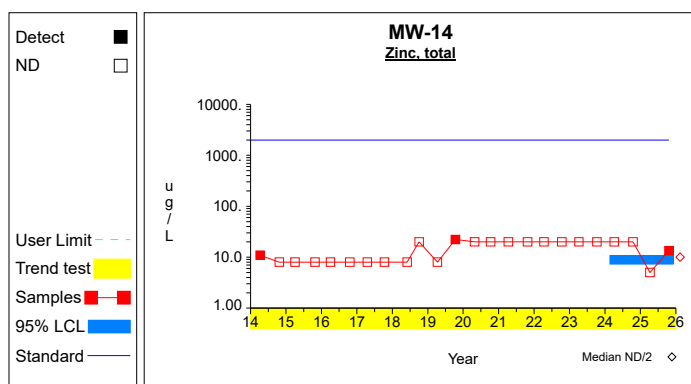
Graph 11



Graph 12

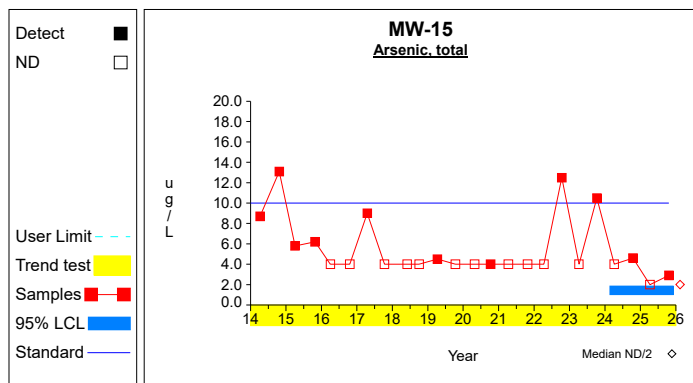


Graph 13

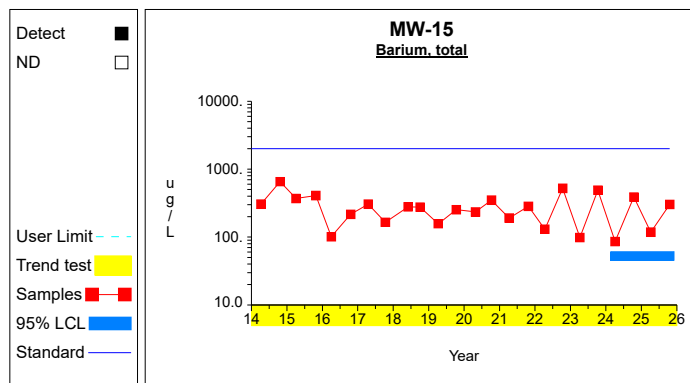


Graph 14

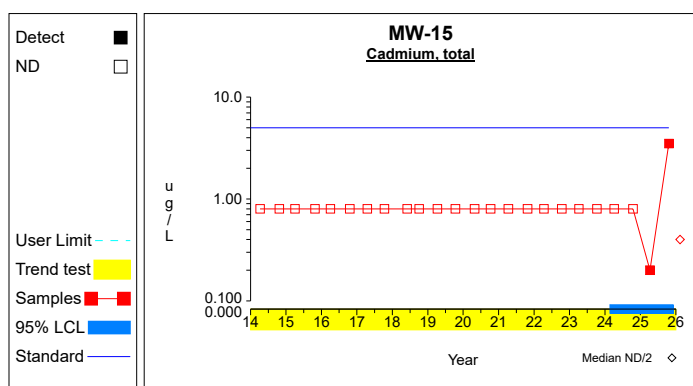
Confidence Limits (Assessment)



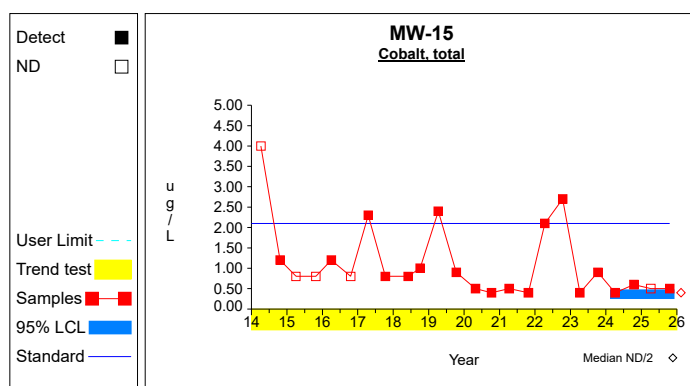
Graph 15



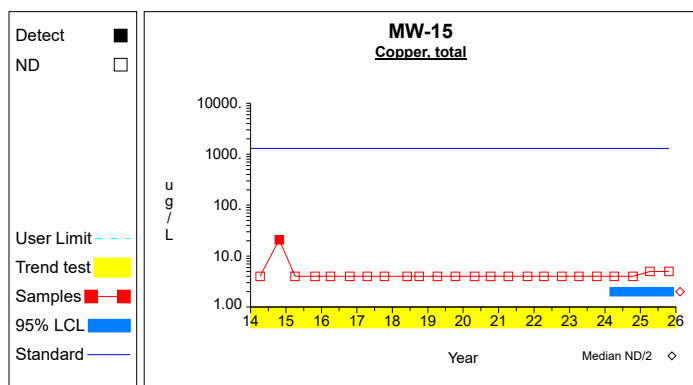
Graph 16



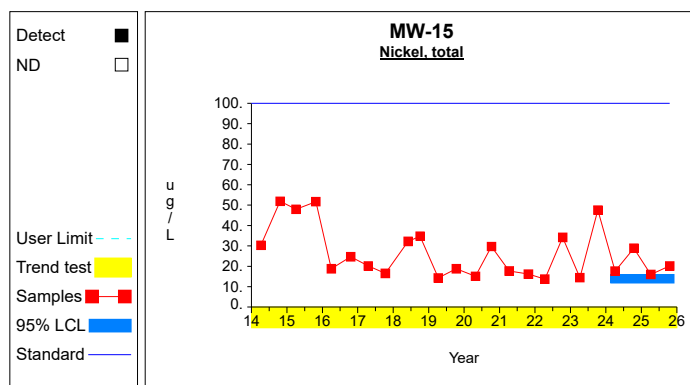
Graph 17



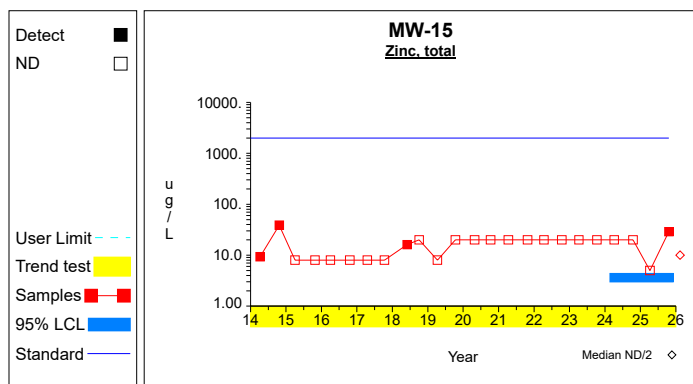
Graph 18



Graph 19

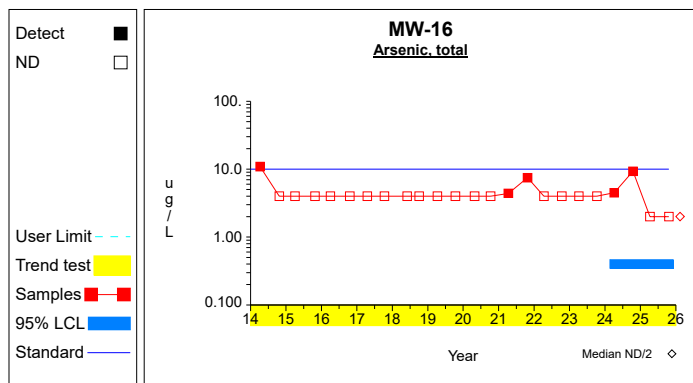


Graph 20

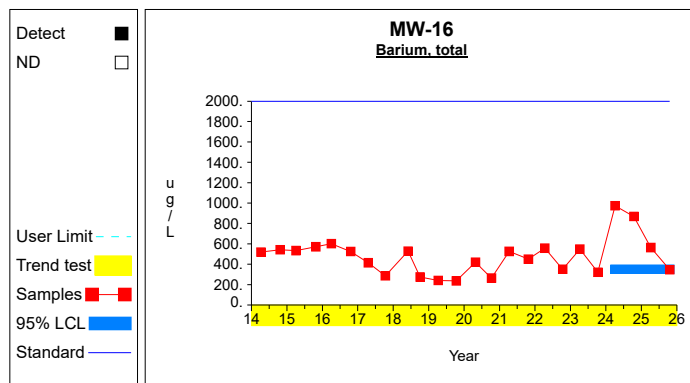


Graph 21

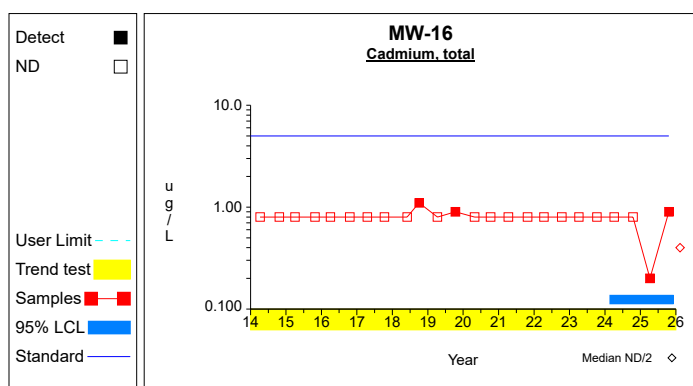
Confidence Limits (Assessment)



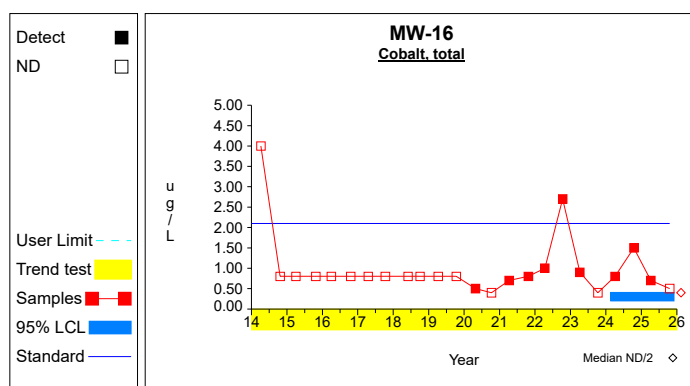
Graph 22



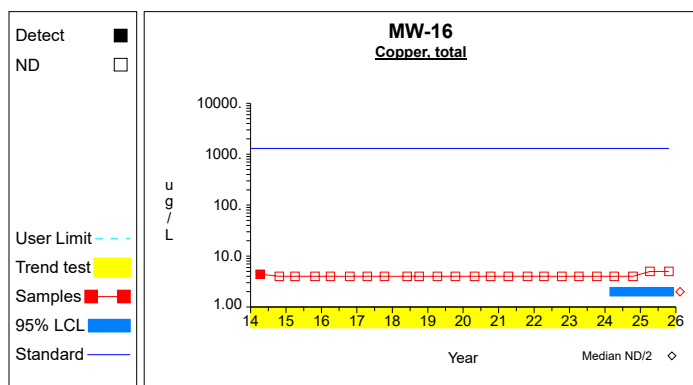
Graph 23



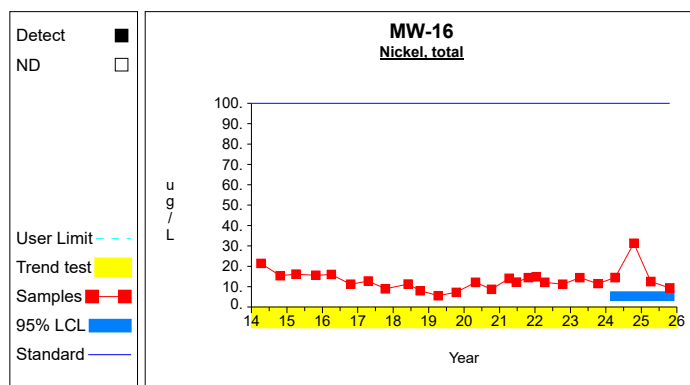
Graph 24



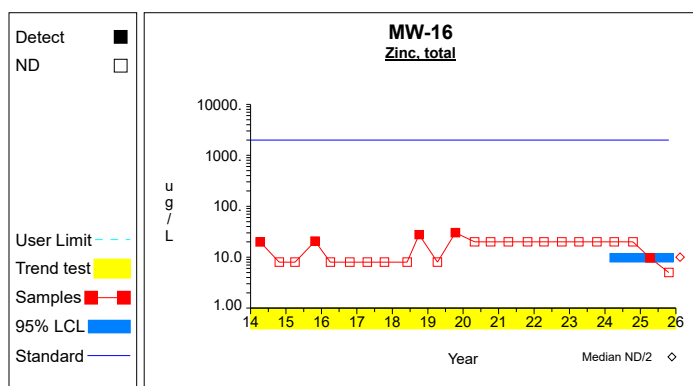
Graph 25



Graph 26

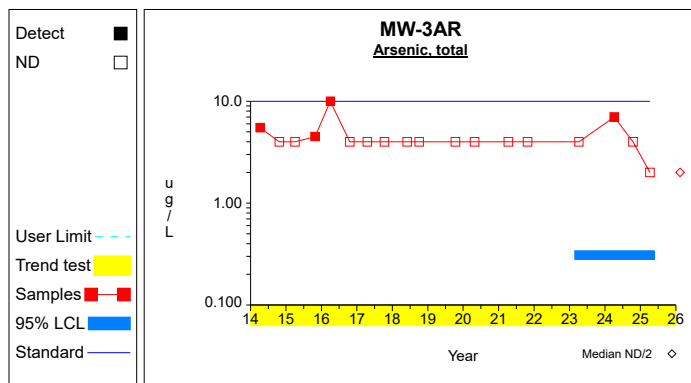


Graph 27

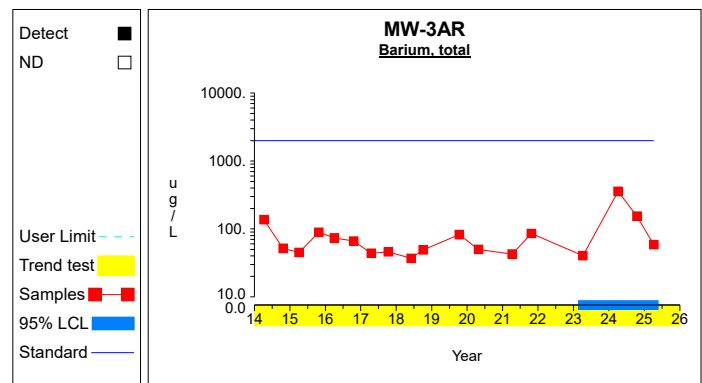


Graph 28

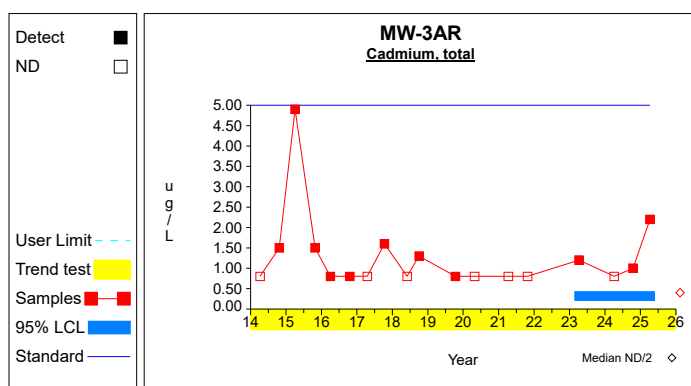
Confidence Limits (Assessment)



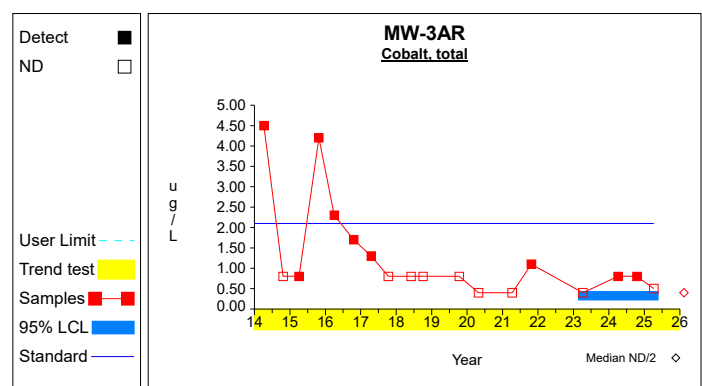
Graph 29



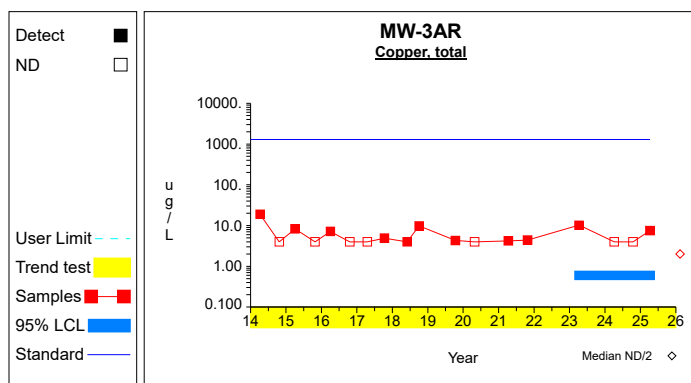
Graph 30



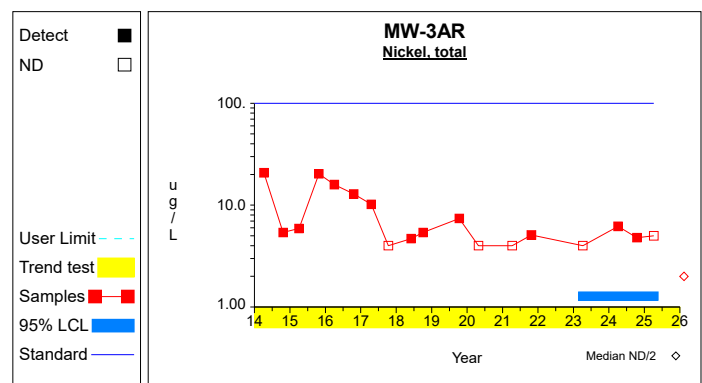
Graph 31



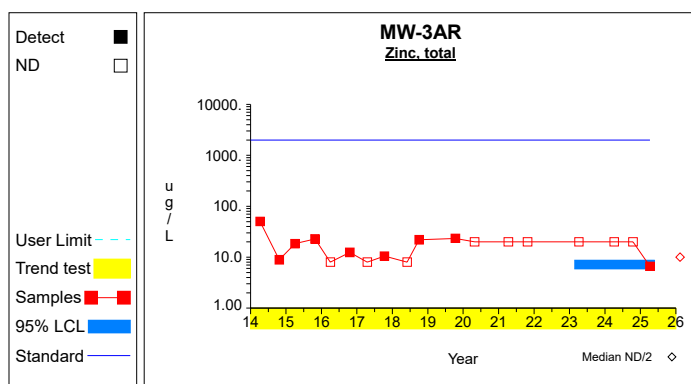
Graph 32



Graph 33

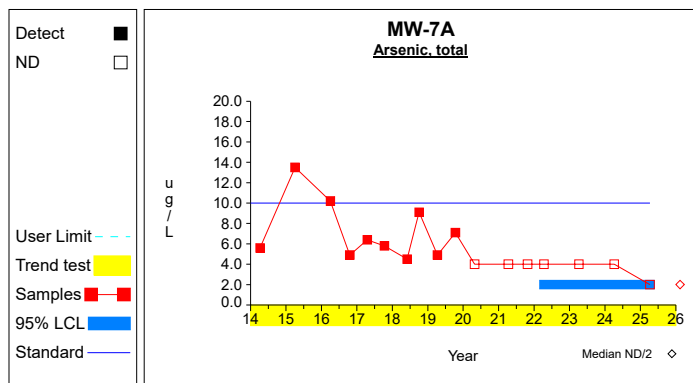


Graph 34

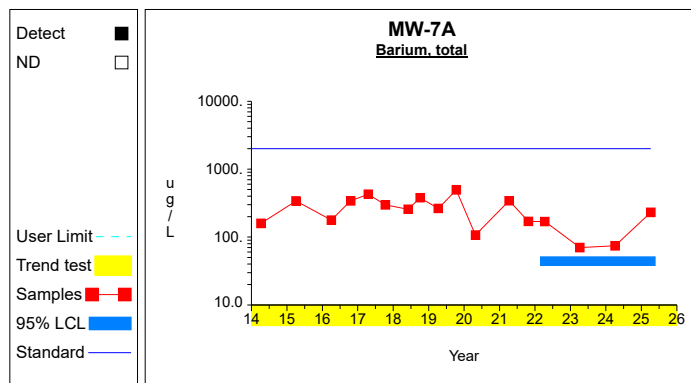


Graph 35

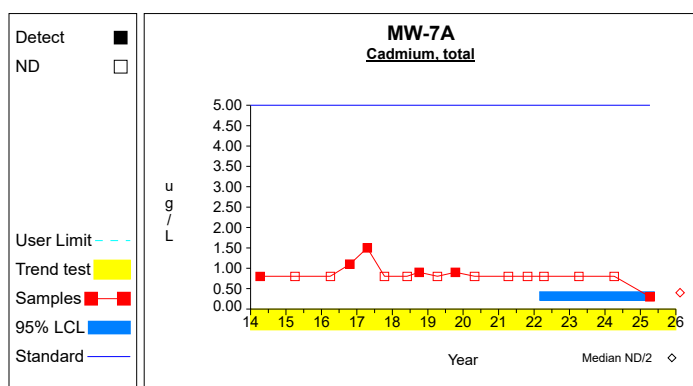
Confidence Limits (Assessment)



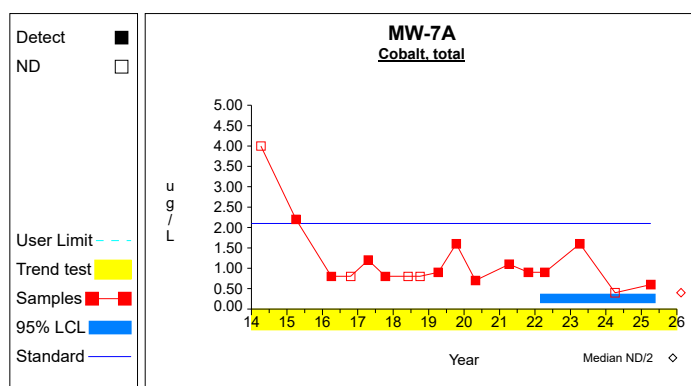
Graph 36



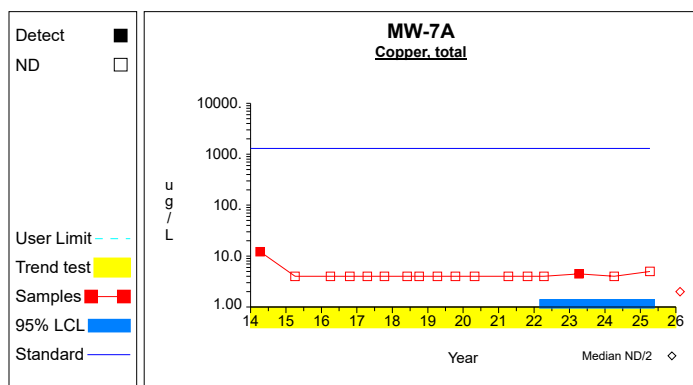
Graph 37



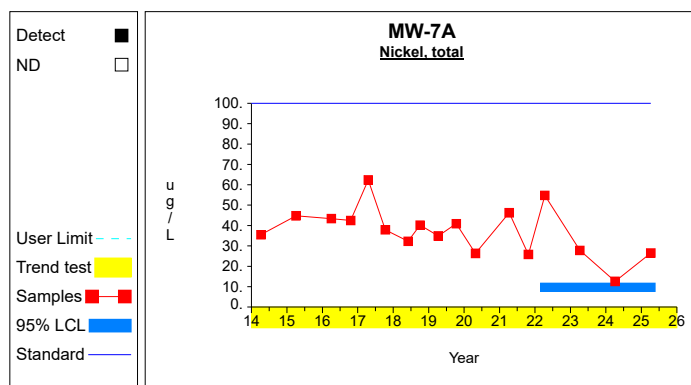
Graph 38



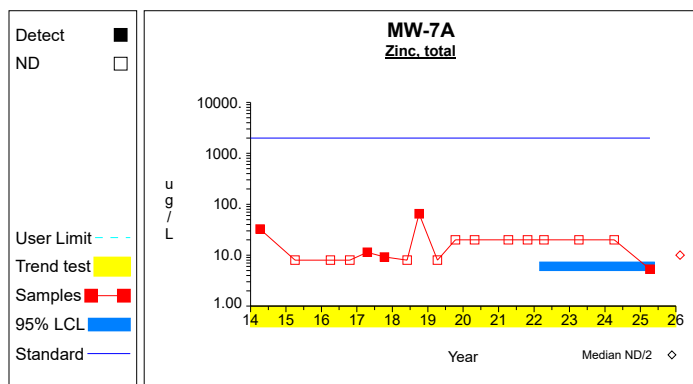
Graph 39



Graph 40

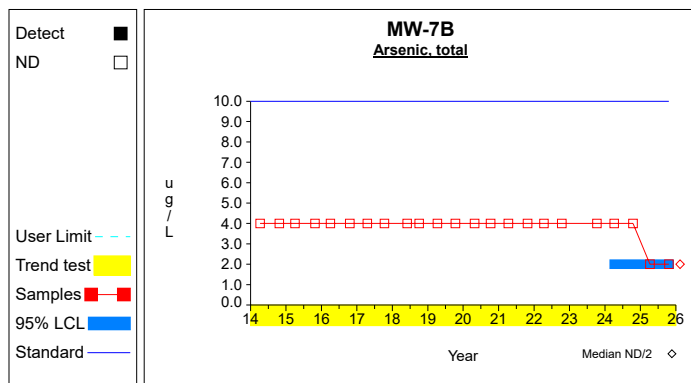


Graph 41

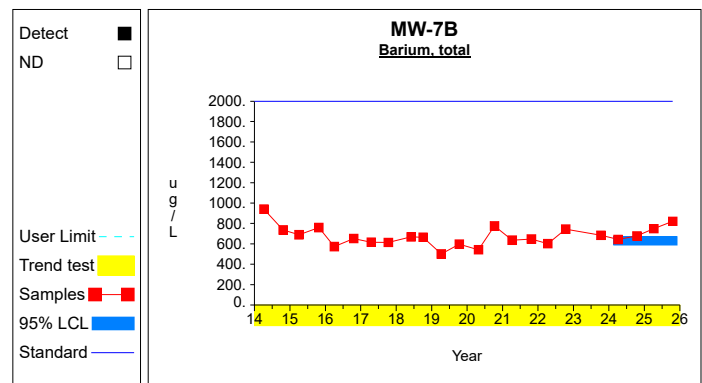


Graph 42

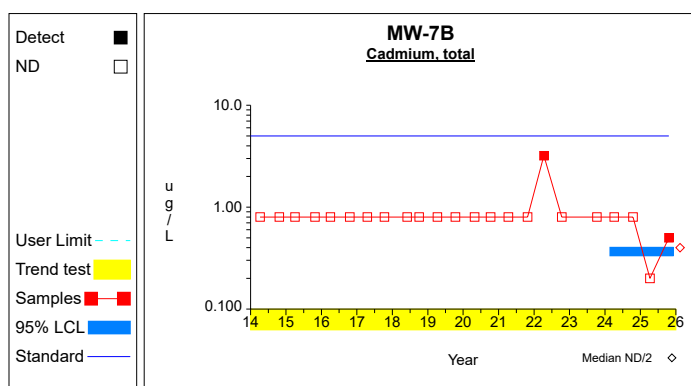
Confidence Limits (Assessment)



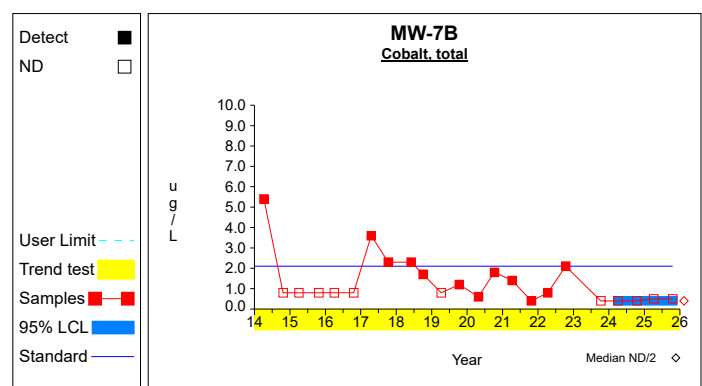
Graph 43



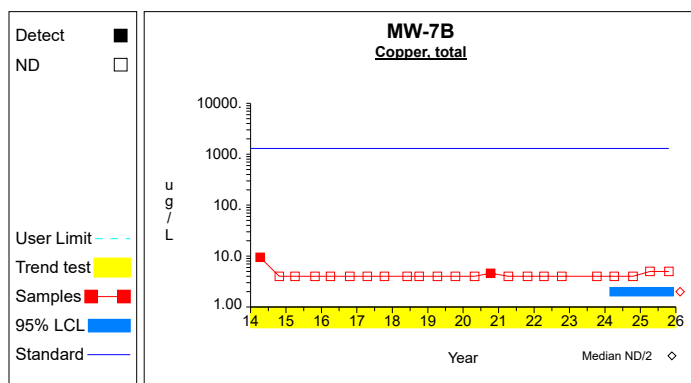
Graph 44



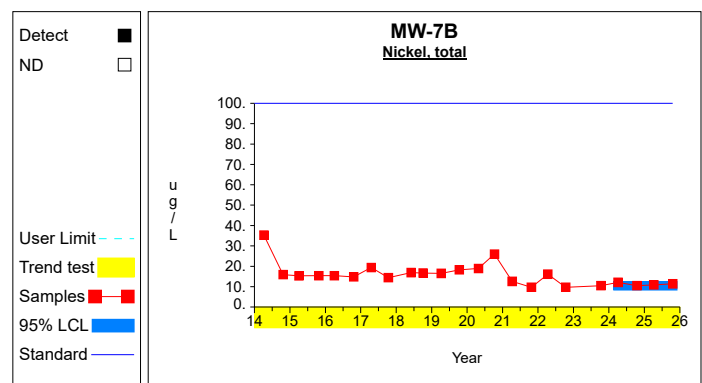
Graph 45



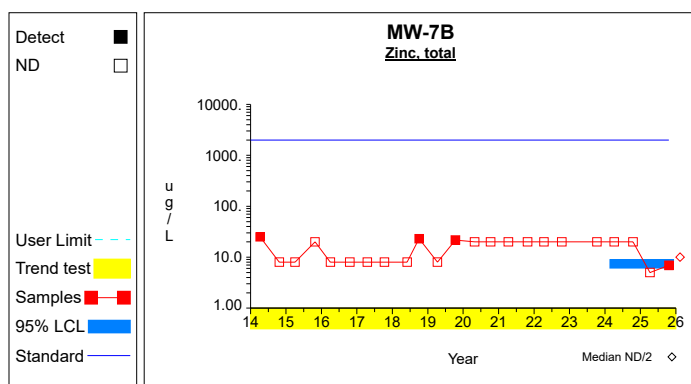
Graph 46



Graph 47

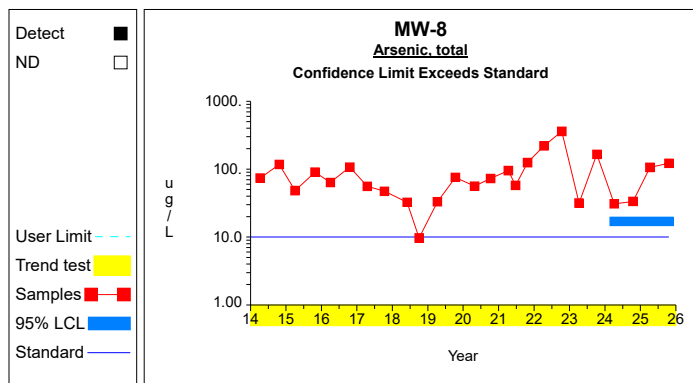


Graph 48

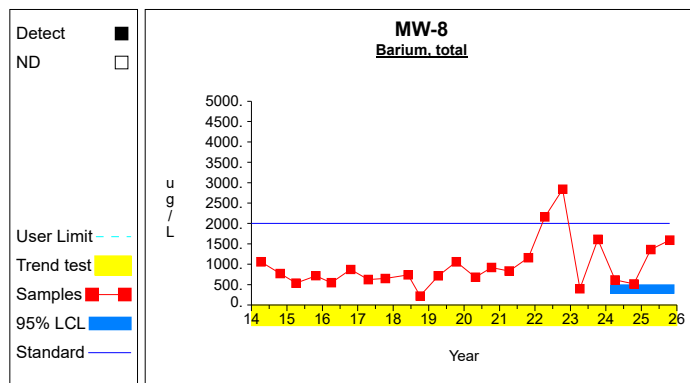


Graph 49

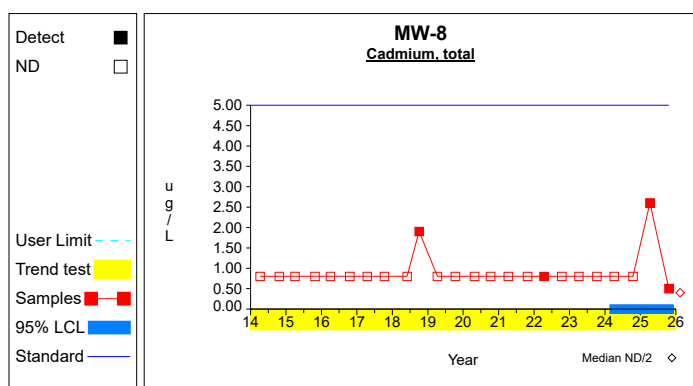
Confidence Limits (Assessment)



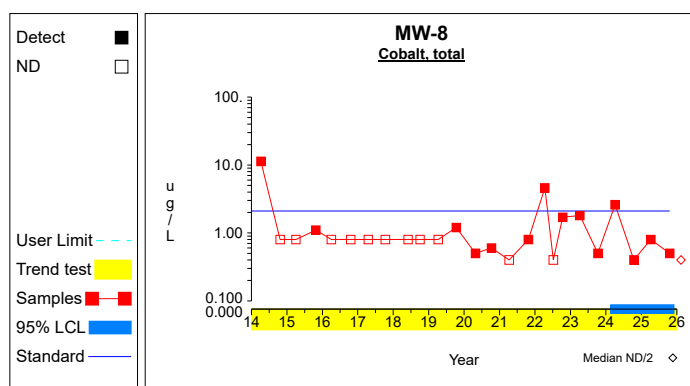
Graph 50



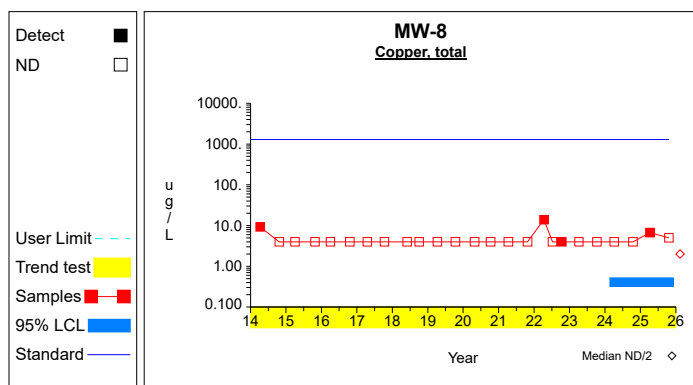
Graph 51



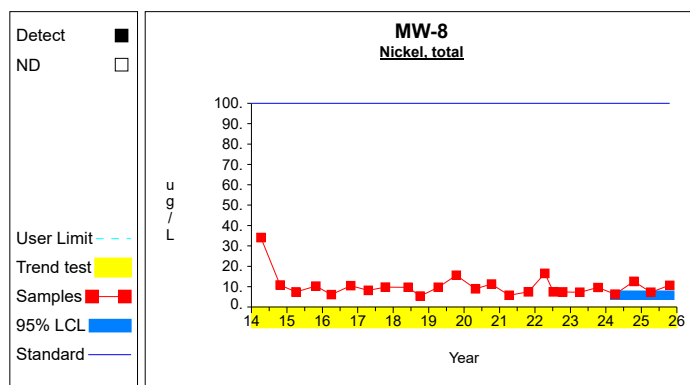
Graph 52



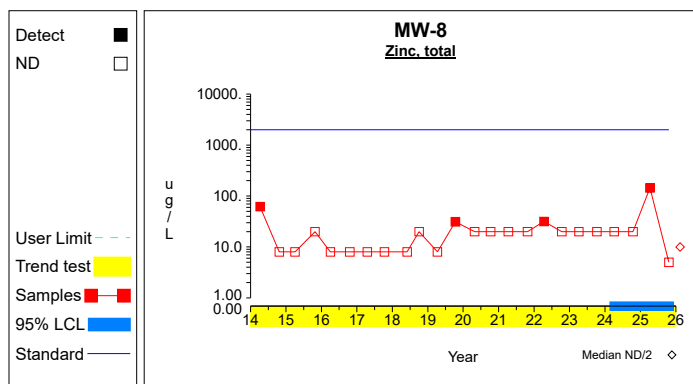
Graph 53



Graph 54



Graph 55



Graph 56

Attachment D

Summary of Historical VOC Detections

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-dichloroethane	GU-1	6/09/2009		1.2	1.0	ug/L
1,4-dichlorobenzene	GU-1	6/24/2008		1.5	1.0	ug/L
2-butanone (mek)	GU-1	6/24/2008		16.9	5.0	ug/L
4-nitroaniline	GU-1	6/09/2009		8	8	ug/L
Benzene	GU-1	4/22/2008		2.7	1.0	ug/L
Benzene	GU-1	6/24/2008		3.0	1.0	ug/L
Benzene	GU-1	4/14/2009		1.4	1.0	ug/L
Benzene	GU-1	10/28/2009		1.2	1.0	ug/L
Benzene	GU-1	8/05/2013		1.0	1.0	ug/L
Chloroethane	GU-1	4/22/2008		1.2	1.0	ug/L
Chloroethane	GU-1	6/24/2008		1.1	1.0	ug/L
Chloroethane	GU-1	8/01/2008		1.0	1.0	ug/L
Chloroethane	GU-1	10/30/2008		1.1	1.0	ug/L
Chloroethane	GU-1	4/14/2009		1.2	1.0	ug/L
Chloroethane	GU-1	6/09/2009		1.4	1.0	ug/L
Ethylbenzene	GU-1	6/24/2008		3.4	1.0	ug/L
Vinyl chloride	GU-1	4/22/2008		2.0	1.0	ug/L
Vinyl chloride	GU-1	6/24/2008		1.6	1.0	ug/L
Xylenes, total	GU-1	6/24/2008		4.9	2.0	ug/L
Acetone	GU-2	10/11/2017		18.7	10.0	ug/L
Bis(2-ethylhexyl) phthalate	GU-2	4/06/2023		7	6	ug/L
Bis(2-ethylhexyl) phthalate	GU-2	6/27/2023		7	6	ug/L
1,1-dichloroethane	GU-3	10/30/2008		6.4	1.0	ug/L
1,1-dichloroethane	GU-3	10/23/2014		3.1	1.0	ug/L
1,1-dichloroethane	GU-3	4/02/2015		1.7	1.0	ug/L
1,4-dichlorobenzene	GU-3	10/23/2014		1.4	1.0	ug/L
1,4-dichlorobenzene	GU-3	4/02/2015		1.4	1.0	ug/L
Benzene	GU-3	10/30/2008		1.2	1.0	ug/L
Bis(2-ethylhexyl) phthalate	GU-3	4/02/2015		51	8	ug/L
Chloroethane	GU-3	10/30/2008		4.3	1.0	ug/L
Chloroethane	GU-3	10/23/2014		2.8	1.0	ug/L
Chloroethane	GU-3	4/02/2015		9.5	1.0	ug/L
Cis-1,2-dichloroethylene	GU-3	10/30/2008		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	GU-3	10/23/2014		2.0	1.0	ug/L
Trichloroethylene	GU-3	10/30/2008		1.6	1.0	ug/L
Vinyl chloride	GU-3	10/30/2008		3.7	1.0	ug/L
Vinyl chloride	GU-3	10/23/2014		1.1	1.0	ug/L
Chlorobenzene	LPZ-8	10/25/2021		8.2	5.0	ug/L
Acetone	MW-10	10/11/2017		16.7	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-10	6/01/2018		7	6	ug/L
Toluene	MW-10	10/20/2010		15.8	1.0	ug/L
Trichloroethylene	MW-10	4/22/2008		2.8	1.0	ug/L
Acetone	MW-11	10/11/2017		17.9	10.0	ug/L
Acetone	MW-14	10/31/2008		10.8	10.0	ug/L
Acetone	MW-14	10/11/2017		16.9	10.0	ug/L
Benzene	MW-14	10/31/2008		2.6	1.0	ug/L
Benzene	MW-14	1/06/2009		1.8	1.0	ug/L
Benzene	MW-14	2/10/2009		2.0	1.0	ug/L
Benzene	MW-14	4/14/2009		2.2	1.0	ug/L
Benzene	MW-14	6/09/2009		2.8	1.0	ug/L
Benzene	MW-14	10/28/2009		1.7	1.0	ug/L
Benzene	MW-14	4/19/2010		1.9	1.0	ug/L
Benzene	MW-14	10/20/2010		1.7	1.0	ug/L
Benzene	MW-14	4/20/2011		1.4	1.0	ug/L
Benzene	MW-14	10/13/2011		2.0	1.0	ug/L
Benzene	MW-14	4/25/2012		2.0	1.0	ug/L
Benzene	MW-14	10/26/2015		1.3	1.0	ug/L
Benzene	MW-14	4/17/2017		1.2	1.0	ug/L
Benzene	MW-14	6/01/2018		1.6	1.0	ug/L
Benzene	MW-14	10/03/2018		1.0	1.0	ug/L
Benzene	MW-14	4/27/2020		1.0	1.0	ug/L
Benzene	MW-14	10/09/2020		1.9	1.0	ug/L
Benzene	MW-14	10/12/2022		1.9	1.0	ug/L
Benzene	MW-14	10/20/2025		1.3	1.0	ug/L
Carbon disulfide	MW-14	8/06/2013		1	1	ug/L
Chlorobenzene	MW-14	10/31/2008		1	1	ug/L
Chlorobenzene	MW-14	4/14/2009		1	1	ug/L
Chlorobenzene	MW-14	6/09/2009		1	1	ug/L
Chlorobenzene	MW-14	10/28/2009		1	1	ug/L
Chloroethane	MW-14	10/31/2008		1.3	1.0	ug/L
Chloroethane	MW-14	1/06/2009		1.2	1.0	ug/L
Chloroethane	MW-14	4/14/2009		1.2	1.0	ug/L
Chloroethane	MW-14	6/09/2009		1.4	1.0	ug/L
Ethylbenzene	MW-14	10/31/2008		1.7	1.0	ug/L
Ethylbenzene	MW-14	1/06/2009		1.8	1.0	ug/L
Ethylbenzene	MW-14	2/10/2009		1.8	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
Ethylbenzene	MW-14	4/14/2009		12.6	1.0	ug/L
Ethylbenzene	MW-14	6/09/2009		12.8	1.0	ug/L
Ethylbenzene	MW-14	10/28/2009		8.8	1.0	ug/L
Ethylbenzene	MW-14	4/19/2010		15.4	1.0	ug/L
Ethylbenzene	MW-14	10/20/2010		2.7	1.0	ug/L
Ethylbenzene	MW-14	4/20/2011		11.2	1.0	ug/L
Ethylbenzene	MW-14	10/13/2011		1.2	1.0	ug/L
Methacrylonitrile	MW-14	4/27/2020		1.2	1.0	ug/L
O,o,o-triethyl phosphorothioate	MW-14	6/09/2009		1.6	.4	ug/L
Vinyl chloride	MW-14	10/31/2008		1.6	1.0	ug/L
Vinyl chloride	MW-14	1/06/2009		1.3	1.0	ug/L
Vinyl chloride	MW-14	2/10/2009		1.6	1.0	ug/L
Vinyl chloride	MW-14	4/14/2009		1.3	1.0	ug/L
Vinyl chloride	MW-14	6/09/2009		1.4	1.0	ug/L
Xylenes, total	MW-14	4/14/2009		2.4	2.0	ug/L
Xylenes, total	MW-14	6/09/2009		2.9	2.0	ug/L
Xylenes, total	MW-14	4/19/2010		2.1	2.0	ug/L
Xylenes, total	MW-14	10/13/2011		2.3	2.0	ug/L
1,1-dichloroethane	MW-15	10/31/2008		2.3	1.0	ug/L
1,1-dichloroethane	MW-15	1/06/2009		1.8	1.0	ug/L
1,1-dichloroethane	MW-15	6/09/2009		1.5	1.0	ug/L
1,1-dichloroethane	MW-15	10/28/2009		1.0	1.0	ug/L
1,1-dichloroethane	MW-15	10/20/2010		3.3	1.0	ug/L
1,1-dichloroethane	MW-15	10/13/2011		3.5	1.0	ug/L
1,1-dichloroethane	MW-15	4/25/2012		1.0	1.0	ug/L
1,1-dichloroethane	MW-15	10/22/2012		1.7	1.0	ug/L
1,1-dichloroethane	MW-15	8/06/2013		1.1	1.0	ug/L
1,1-dichloroethane	MW-15	10/23/2014		1.6	1.0	ug/L
1,1-dichloroethane	MW-15	10/26/2015		1.4	1.0	ug/L
Benzene	MW-15	10/09/2023		1	1	ug/L
Bis(2-ethylhexyl) phthalate	MW-15	4/27/2020		11	6	ug/L
Chloroethane	MW-15	10/31/2008		2.0	1.0	ug/L
Chloroethane	MW-15	1/06/2009		1.4	1.0	ug/L
Chloroethane	MW-15	10/20/2010		1.8	1.0	ug/L
Chloroethane	MW-15	10/13/2011		2.6	1.0	ug/L
Chloroethane	MW-15	10/22/2012		1.7	1.0	ug/L
Chloroethane	MW-15	10/23/2014		1.6	1.0	ug/L
Chloroethane	MW-15	4/02/2015		9.1	1.0	ug/L
Chloroethane	MW-15	10/26/2015		1.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-15	10/31/2008		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-15	10/20/2010		2.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-15	10/13/2011		1.4	1.0	ug/L
Vinyl chloride	MW-15	10/20/2010		1.7	1.0	ug/L
Vinyl chloride	MW-15	10/13/2011		1.8	1.0	ug/L
Acetone	MW-16	10/11/2017		16.3	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-16	4/11/2022		10	6	ug/L
Carbon disulfide	MW-16	10/20/2025		2.1	1.0	ug/L
Xylenes, total	MW-16	10/28/2009		2	2	ug/L
Acetone	MW-17	10/11/2017		20.1	10.0	ug/L
Acetone	MW-18	4/29/2020		14.2	10.0	ug/L
Acetone	MW-3AR	4/25/2012		33.8	10.0	ug/L
Acetone	MW-3AR	10/22/2012		28.0	10.0	ug/L
Acetone	MW-3AR	10/11/2017		19.2	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-3AR	10/13/2011		10	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-3AR	4/25/2012		10	8	ug/L
Dimethoate	MW-3AR	10/13/2011		.9	.4	ug/L
Famphur	MW-3AR	10/13/2011		.9	.4	ug/L
Bis(2-ethylhexyl) phthalate	MW-6B	4/08/2019		8	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-6B	4/08/2019		29	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-6B	4/27/2020		13	6	ug/L
1,1-dichloroethane	MW-7A	6/24/2008		3.7	1.0	ug/L
1,1-dichloroethane	MW-7A	8/01/2008		4.5	1.0	ug/L
1,1-dichloroethane	MW-7A	10/31/2008		5.5	1.0	ug/L
1,1-dichloroethane	MW-7A	1/06/2009		4.4	1.0	ug/L
1,1-dichloroethane	MW-7A	6/09/2009		4.9	1.0	ug/L
1,1-dichloroethane	MW-7A	4/19/2010		1.4	1.0	ug/L
1,1-dichloroethane	MW-7A	10/20/2010		3.2	1.0	ug/L
1,1-dichloroethane	MW-7A	4/07/2014		2.5	1.0	ug/L
1,1-dichloroethane	MW-7A	10/19/2016		2.2	1.0	ug/L
1,1-dichloroethane	MW-7A	10/11/2017		3.2	1.0	ug/L
1,1-dichloroethane	MW-7A	6/01/2018		2.2	1.0	ug/L
1,1-dichloroethane	MW-7A	10/03/2018		2.6	1.0	ug/L
1,1-dichloroethane	MW-7A	10/11/2019		1.1	1.0	ug/L
Acetone	MW-7A	10/11/2017		21.8	10.0	ug/L
Chloroethane	MW-7A	6/24/2008		1.1	1.0	ug/L
Chloroethane	MW-7A	8/01/2008		1.7	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-7A	10/31/2008		2.1	1.0	ug/L
Chloroethane	MW-7A	1/06/2009		1.5	1.0	ug/L
Chloroethane	MW-7A	6/09/2009		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7A	6/24/2008		3.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7A	8/01/2008		3.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7A	10/31/2008		5.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7A	1/06/2009		3.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7A	6/09/2009		3.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7A	10/20/2010		2.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7A	4/07/2014		2.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7A	10/19/2016		2.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7A	10/11/2017		3.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7A	6/01/2018		1.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7A	10/03/2018		2.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7A	10/11/2019		2.0	1.0	ug/L
Vinyl chloride	MW-7A	6/24/2008		2.4	1.0	ug/L
Vinyl chloride	MW-7A	8/01/2008		2.7	1.0	ug/L
Vinyl chloride	MW-7A	10/31/2008		3.8	1.0	ug/L
Vinyl chloride	MW-7A	1/06/2009		2.5	1.0	ug/L
Vinyl chloride	MW-7A	6/09/2009		2.6	1.0	ug/L
Vinyl chloride	MW-7A	10/20/2010		1.5	1.0	ug/L
Vinyl chloride	MW-7A	4/07/2014		1.1	1.0	ug/L
Vinyl chloride	MW-7A	10/11/2017		1.3	1.0	ug/L
Vinyl chloride	MW-7A	6/01/2018		1.1	1.0	ug/L
1,1-dichloroethane	MW-7B	4/22/2008		3.2	1.0	ug/L
1,1-dichloroethane	MW-7B	6/24/2008		3.2	1.0	ug/L
1,1-dichloroethane	MW-7B	8/01/2008		2.8	1.0	ug/L
1,1-dichloroethane	MW-7B	10/31/2008		5.3	1.0	ug/L
1,1-dichloroethane	MW-7B	1/06/2009		2.5	1.0	ug/L
1,1-dichloroethane	MW-7B	4/13/2009		3.1	1.0	ug/L
1,1-dichloroethane	MW-7B	6/09/2009		3.0	1.0	ug/L
1,1-dichloroethane	MW-7B	10/28/2009		2.7	1.0	ug/L
1,1-dichloroethane	MW-7B	4/19/2010		3.3	1.0	ug/L
1,1-dichloroethane	MW-7B	10/20/2010		2.4	1.0	ug/L
1,1-dichloroethane	MW-7B	10/13/2011		1.6	1.0	ug/L
1,1-dichloroethane	MW-7B	4/25/2012		2.7	1.0	ug/L
1,1-dichloroethane	MW-7B	10/22/2012		1.2	1.0	ug/L
1,1-dichloroethane	MW-7B	4/15/2013		2.1	1.0	ug/L
1,1-dichloroethane	MW-7B	8/06/2013		1.9	1.0	ug/L
1,1-dichloroethane	MW-7B	4/07/2014		1.4	1.0	ug/L
Carbon disulfide	MW-7B	10/20/2025		1	1	ug/L
Chloroethane	MW-7B	10/31/2008		1.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7B	6/24/2008		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7B	10/31/2008		4.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7B	4/13/2009		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7B	6/09/2009		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7B	10/28/2009		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7B	4/19/2010		1.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7B	10/20/2010		1.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7B	4/25/2012		1.0	1.0	ug/L
Vinyl chloride	MW-7B	4/22/2008		2.5	1.0	ug/L
Vinyl chloride	MW-7B	6/24/2008		2.8	1.0	ug/L
Vinyl chloride	MW-7B	8/01/2008		2.3	1.0	ug/L
Vinyl chloride	MW-7B	10/31/2008		3.7	1.0	ug/L
Vinyl chloride	MW-7B	1/06/2009		1.8	1.0	ug/L
Vinyl chloride	MW-7B	4/13/2009		2.3	1.0	ug/L
Vinyl chloride	MW-7B	6/09/2009		2.3	1.0	ug/L
Vinyl chloride	MW-7B	10/28/2009		2.0	1.0	ug/L
Vinyl chloride	MW-7B	4/19/2010		2.5	1.0	ug/L
Vinyl chloride	MW-7B	10/20/2010		1.5	1.0	ug/L
Vinyl chloride	MW-7B	10/13/2011		1.2	1.0	ug/L
Vinyl chloride	MW-7B	4/25/2012		1.8	1.0	ug/L
Vinyl chloride	MW-7B	4/15/2013		1.5	1.0	ug/L
Vinyl chloride	MW-7B	8/06/2013		1.3	1.0	ug/L
Vinyl chloride	MW-7B	4/07/2014		1.2	1.0	ug/L
1,1-dichloroethane	MW-8	4/22/2008		1.6	1.0	ug/L
1,1-dichloroethane	MW-8	6/24/2008		2.3	1.0	ug/L
1,1-dichloroethane	MW-8	8/01/2008		3.0	1.0	ug/L
1,1-dichloroethane	MW-8	10/31/2008		1.3	1.0	ug/L
1,1-dichloroethane	MW-8	4/13/2009		1.2	1.0	ug/L
1,1-dichloroethane	MW-8	6/09/2009		1.9	1.0	ug/L
1,1-dichloroethane	MW-8	10/22/2012		1.0	1.0	ug/L
1,1-dichloroethane	MW-8	8/06/2013		1.4	1.0	ug/L
1,1-dichloroethane	MW-8	4/07/2014		1.3	1.0	ug/L
Chloroethane	MW-8	8/01/2008		1.9	1.0	ug/L
Chloroethane	MW-8	6/09/2009		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
Chloroethane	MW-8	8/06/2013		1.0	1.0	ug/L
Chloroethane	MW-8	4/07/2014		1.3	1.0	ug/L
Chloroethane	MW-8	10/03/2018		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	6/24/2008		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	8/01/2008		2.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	10/31/2008		1.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-8	6/09/2009		1.0	1.0	ug/L
Vinyl chloride	MW-8	8/01/2008		1.2	1.0	ug/L
Acetone	MW-9	10/11/2017		11.2	10.0	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

Summary Tables and Graphs for the Intrawell Comparisons

Table 1

**Summary Statistics and Intermediate Computations
for Combined Shewhart-CUSUM Control Charts**

Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Antimony, total	ug/L	GU-1	13	4	30			1.0000	1.0000			2.0000	nonpar	.99	**
Arsenic, total	ug/L	GU-1	14	4	31	11.8500	6.9369	2.0000	2.0000	11.8500	11.8500	56.9401	normal		
Barium, total	ug/L	GU-1	14	4	31	484.1429	125.0876	509.0000	491.0000	484.1429	484.1429	1297.2121	normal		
Beryllium, total	ug/L	GU-1	13	4	30			0.5000	0.5000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	GU-1	13	4	30			0.2000	0.2000			0.8000	nonpar	.99	**
Chromium, total	ug/L	GU-1	13	4	30			1.0000	1.0000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	GU-1	13	4	30			0.5000	0.5000			2.2000	nonpar	.99	**
Copper, total	ug/L	GU-1	13	4	30			5.0000	5.0000			4.0000	nonpar	.99	**
Lead, total	ug/L	GU-1	13	4	30			1.0000	1.0000			4.0000	nonpar	.99	**
Nickel, total	ug/L	GU-1	14	4	31	11.4429	4.7222	9.3000	13.8000	11.4429	11.4429	42.1374	normal		
Selenium, total	ug/L	GU-1	13	4	30			2.0000	2.0000			4.0000	nonpar	.99	**
Silver, total	ug/L	GU-1	13	4	30			5.0000	5.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	GU-1	13	4	30			0.5000	0.5000			2.0000	nonpar	.99	**
Vanadium, total	ug/L	GU-1	13	4	30			2.0000	2.0000			20.0000	nonpar	.99	**
Zinc, total	ug/L	GU-1	13	4	30			5.0000	5.0000			20.0000	nonpar	.99	**
Antimony, total	ug/L	GU-2	20	4	39			1.0000	1.0000			2.0000	nonpar	.99	**
Arsenic, total	ug/L	GU-2	20	4	39	177.1500	76.5680	2.0000	2.0000	180.9980	178.4220	8.0000	nonpar	.99	**
Barium, total	ug/L	GU-2	20	4	39			223.0000	232.0000			674.8421	normal		
Beryllium, total	ug/L	GU-2	20	4	39			0.5000	0.5000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	GU-2	20	4	39			0.2000	0.4000			0.8000	nonpar	.99	**
Chromium, total	ug/L	GU-2	20	4	39			1.0000	1.0000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	GU-2	18	4	39			0.5000	0.5000			0.8000	nonpar	.99	**
Copper, total	ug/L	GU-2	20	4	41			5.0000	5.0000			7.4000	nonpar	.99	**
Lead, total	ug/L	GU-2	21	4	40			1.0000	1.0000			4.9000	nonpar	.99	**
Nickel, total	ug/L	GU-2	20	4	39	4.5350	1.2214	5.0000	5.0000	4.5350	4.5350	12.4742	normal		
Selenium, total	ug/L	GU-2	21	4	41			2.0000	2.0000			7.2000	nonpar	.99	**
Silver, total	ug/L	GU-2	20	4	39			5.0000	5.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	GU-2	20	4	38			0.5000	0.5000			2.0000	nonpar	.99	**
Vanadium, total	ug/L	GU-2	20	4	39			2.0000	2.0000			20.0000	nonpar	.99	**
Zinc, total	ug/L	GU-2	22	4	41	26.1045	16.5760	21.1000	7.0000	26.1045	26.1045	133.8486	normal		

N(back) and N(mon) = Non-outlier measurements in the background and monitoring periods.

N(tot) = All independent measurements for that constituent and well.

For transformed data, mean and SD in transformed units and control limit in original units.

Conf = confidence level for passing initial test or one verification resample (nonparametric test only).

* - Insufficient Data.

** - Detection Frequency < 25%.

*** - Zero Variance.

Table 4

**Dixon's Test Outliers
1% Significance Level**

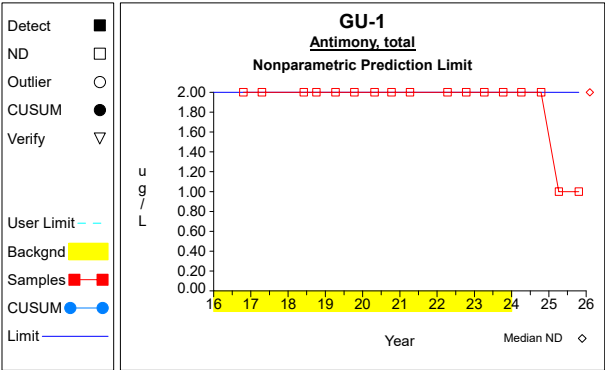
Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Cobalt, total	ug/L	GU-2	04/07/2014	4.0000	< 4.0000	04/07/2014-10/09/2023	20	0.5503
Cobalt, total	ug/L	GU-2	10/12/2022	2.6000		04/07/2014-10/09/2023	20	0.5503
Copper, total	ug/L	GU-2	10/03/2018	22.7000		04/07/2014-10/09/2023	22	0.5263
Copper, total	ug/L	GU-2	10/12/2022	19.0000		04/07/2014-10/09/2023	22	0.5263
Selenium, total	ug/L	GU-2	04/07/2014	34.3000		04/07/2014-10/09/2023	22	0.5162

N = Total number of independent measurements in background at each well.

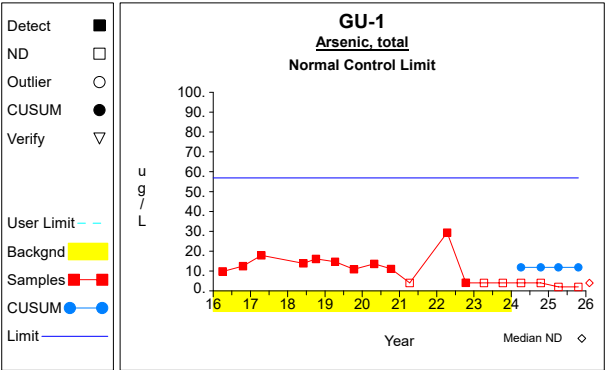
Date Range = Dates of the first and last measurements included in background at each well.

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.

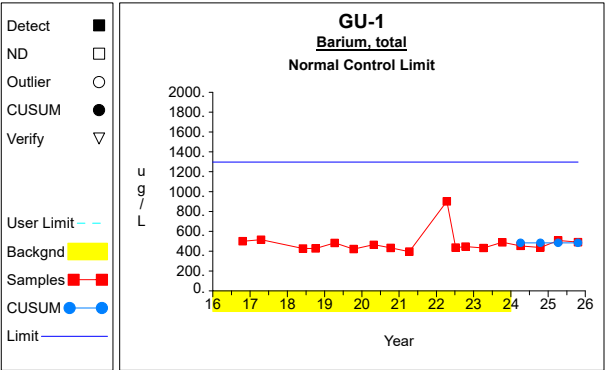
Intra-Well Control Charts / Prediction Limits



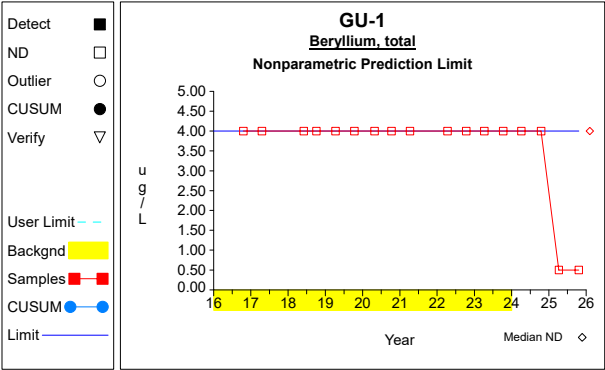
Graph 1



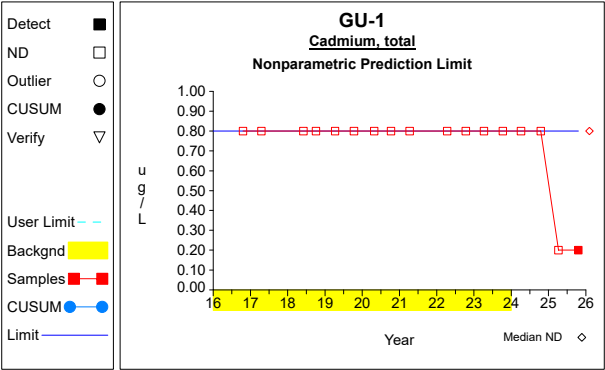
Graph 2



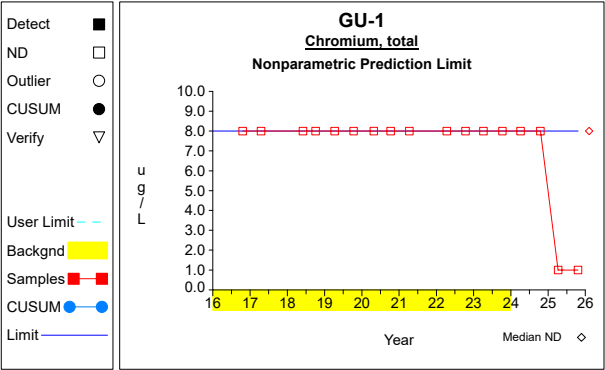
Graph 3



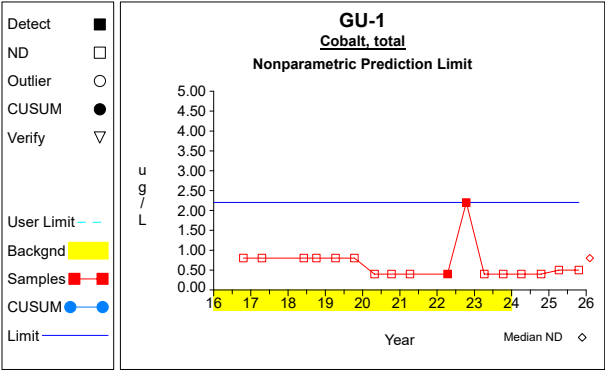
Graph 4



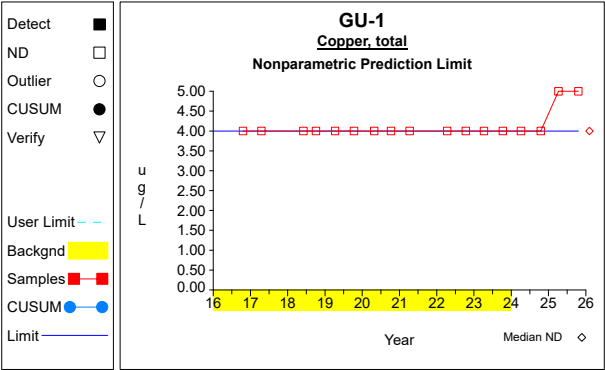
Graph 5



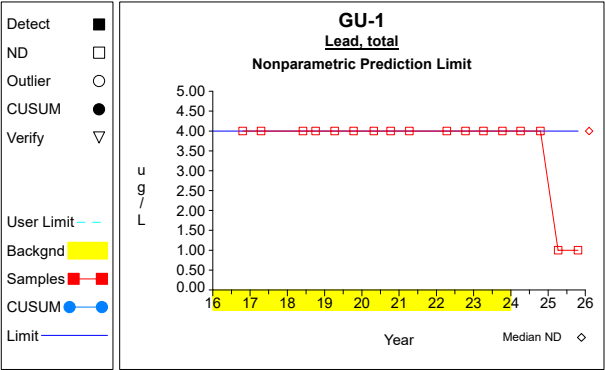
Graph 6



Graph 7

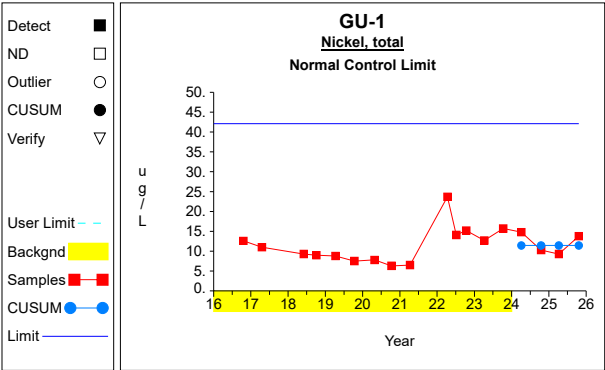


Graph 8

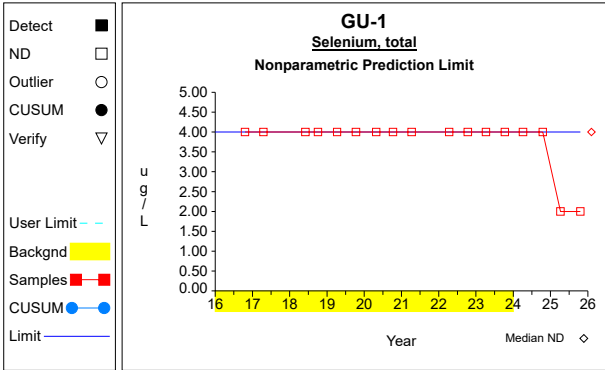


Graph 9

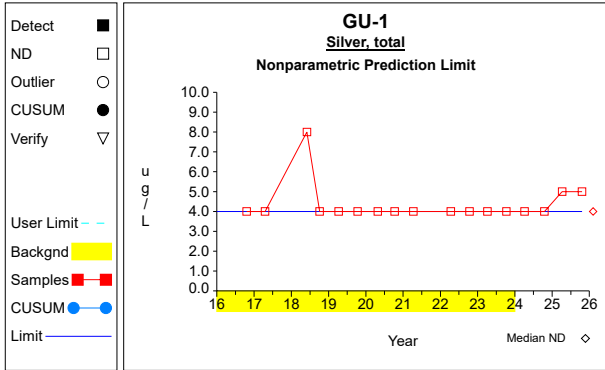
Intra-Well Control Charts / Prediction Limits



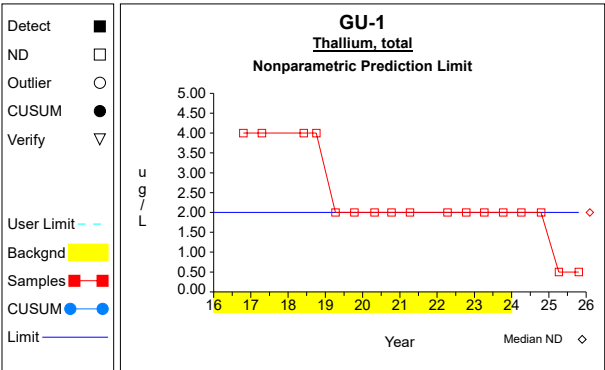
Graph 10



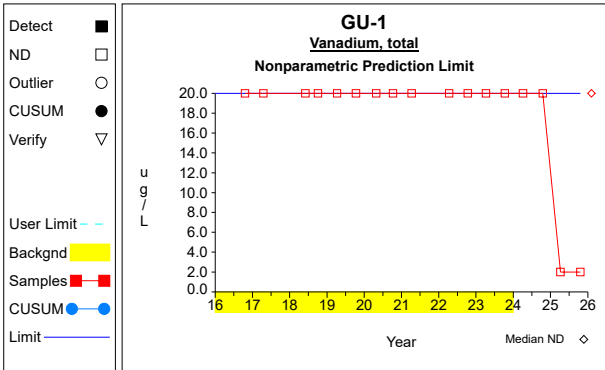
Graph 11



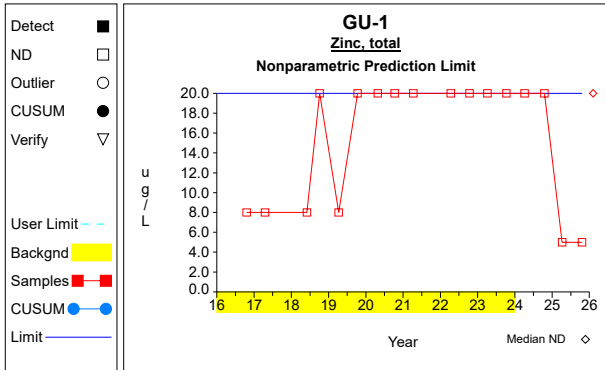
Graph 12



Graph 13

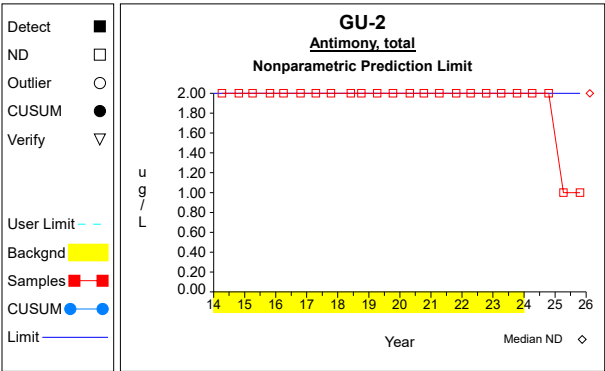


Graph 14

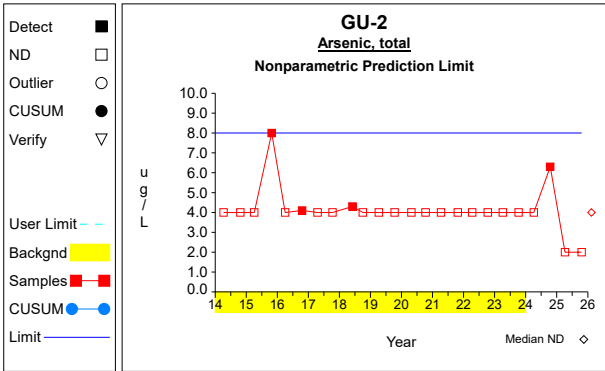


Graph 15

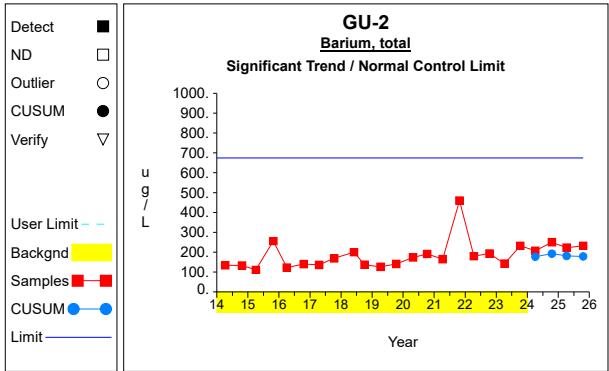
Intra-Well Control Charts / Prediction Limits



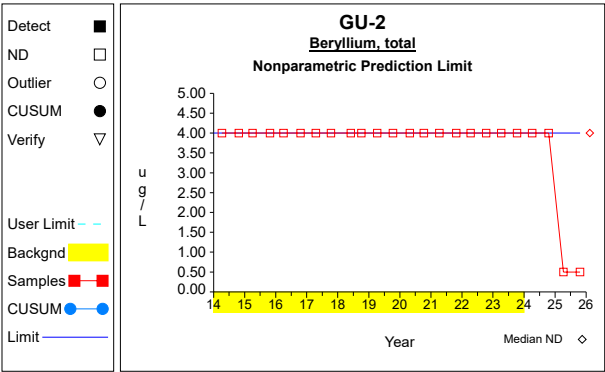
Graph 16



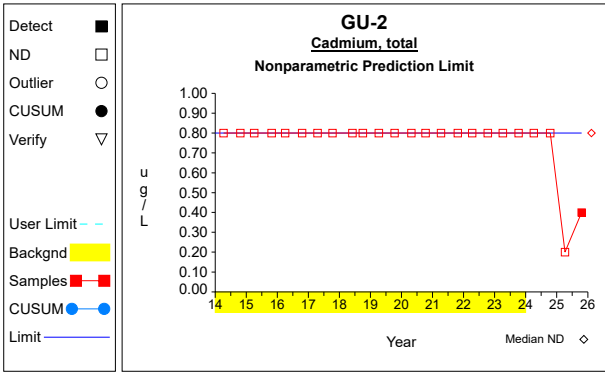
Graph 17



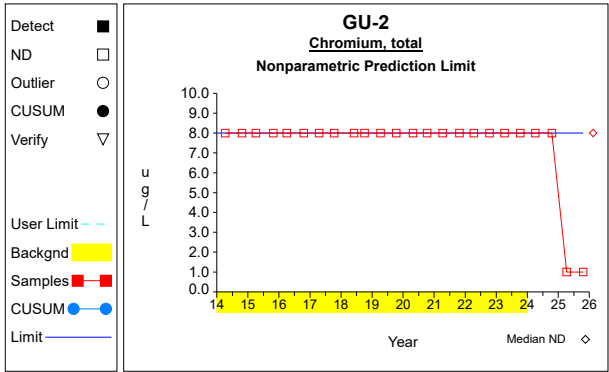
Graph 18



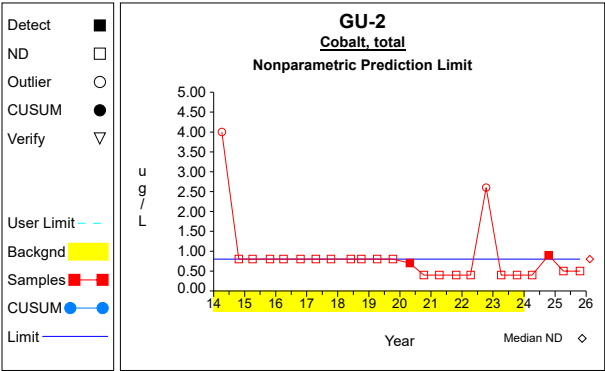
Graph 19



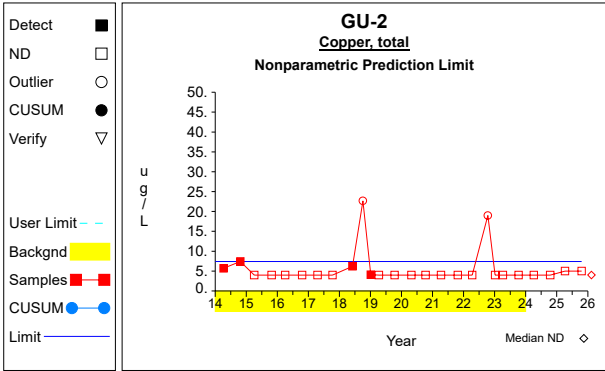
Graph 20



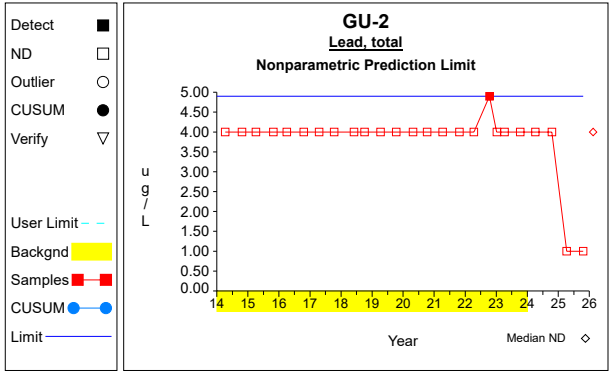
Graph 21



Graph 22

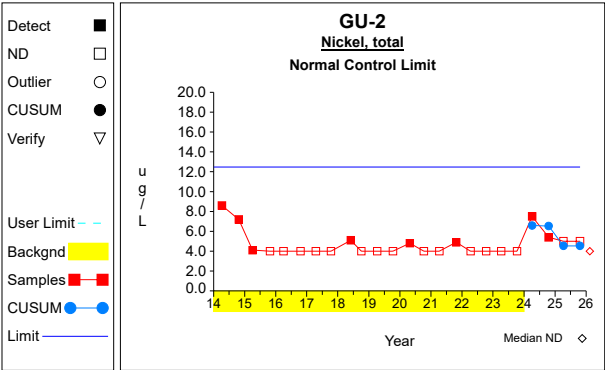


Graph 23

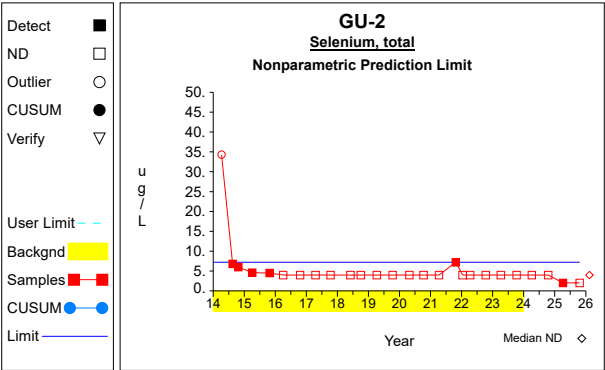


Graph 24

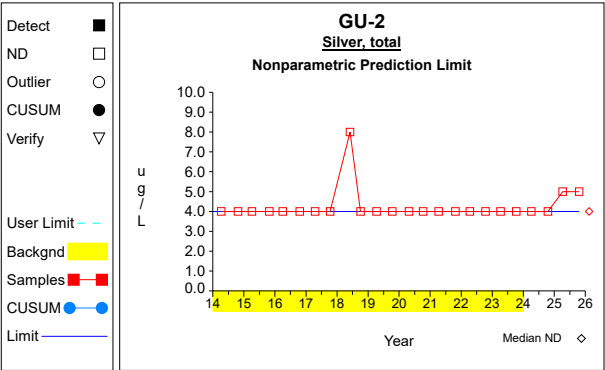
Intra-Well Control Charts / Prediction Limits



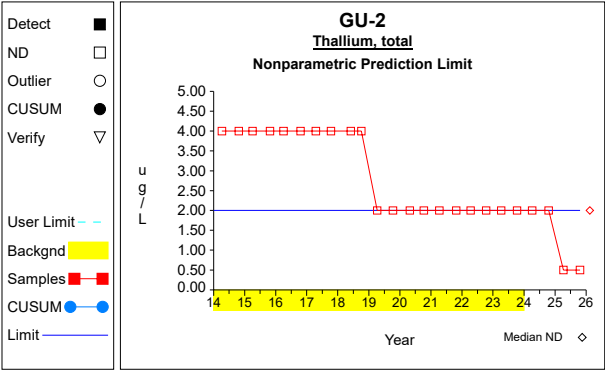
Graph 25



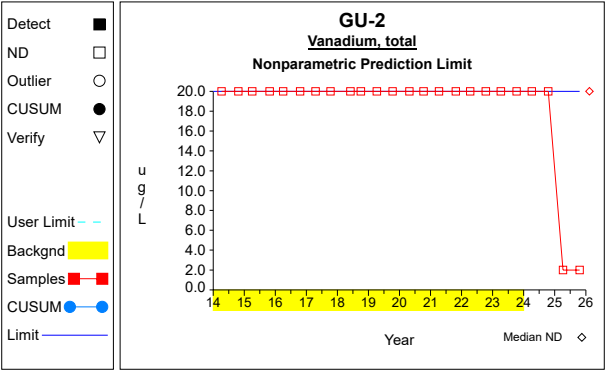
Graph 26



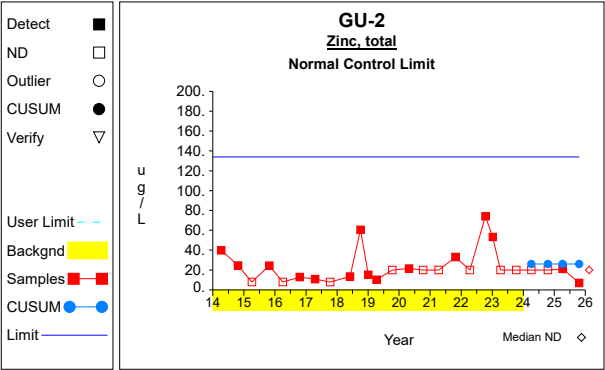
Graph 27



Graph 28

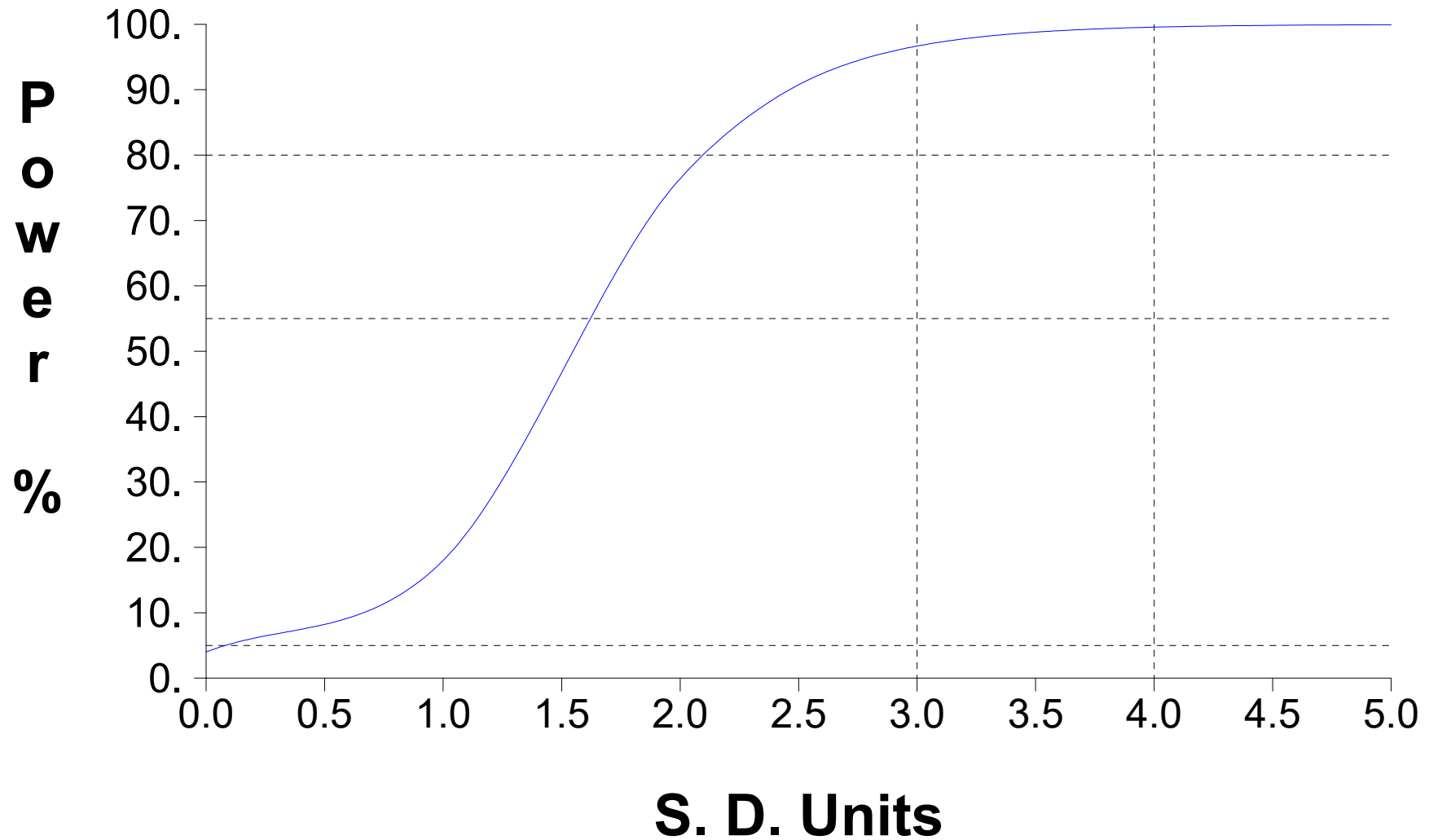


Graph 29



Graph 30

False Positive and False Negative Rates for Current Intra-Well Control Charts Monitoring Program



Appendix C

Analytical Reports – Current Year



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1ID0938

Project Description

6021-

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Tuesday, July 8, 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.

600 East 17th Street South | Newton, IA 50208 | 641-792-8451 p | www.microbac.com



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1ID0938

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: 6021-

Project / PO Number: N/A
Received: 04/08/2025
Reported: 07/08/2025

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-11 (up)	1ID0938-01	Aqueous	GRAB		04/07/25 12:58	04/08/25 11:30
MW-12 (up)	1ID0938-02	Aqueous	GRAB		04/07/25 13:08	04/08/25 11:30
MW-17 (up)	1ID0938-03	Aqueous	GRAB		04/07/25 11:07	04/08/25 11:30
MW-3AR	1ID0938-04	Aqueous	GRAB		04/07/25 10:17	04/08/25 11:30
MW-6B	1ID0938-05	Aqueous	GRAB		04/07/25 09:41	04/08/25 11:30
MW-7A	1ID0938-06	Aqueous	GRAB		04/07/25 15:22	04/08/25 11:30
MW-7B	1ID0938-07	Aqueous	GRAB		04/07/25 14:55	04/08/25 11:30
MW-8	1ID0938-08	Aqueous	GRAB		04/07/25 13:48	04/08/25 11:30
MW-9	1ID0938-09	Aqueous	GRAB		04/07/25 11:20	04/08/25 11:30
MW-10	1ID0938-10	Aqueous	GRAB		04/07/25 11:45	04/08/25 11:30
MW-14	1ID0938-11	Aqueous	GRAB		04/07/25 09:10	04/08/25 11:30
MW-15	1ID0938-12	Aqueous	GRAB		04/07/25 14:28	04/08/25 11:30
MW-16	1ID0938-13	Aqueous	GRAB		04/07/25 10:50	04/08/25 11:30
GU-1	1ID0938-14	Aqueous	GRAB		04/07/25 11:30	04/08/25 11:30
GU-2	1ID0938-15	Aqueous	GRAB		04/07/25 10:35	04/08/25 11:30
Duplicate	1ID0938-16	Aqueous	GRAB		04/07/25 00:00	04/08/25 11:30
MW-13 (up)	1ID0938-17	Aqueous	GRAB		04/07/25 12:50	04/08/25 11:30
MW-18 (up)	1ID0938-18	Aqueous	GRAB		04/07/25 12:25	04/08/25 11:30
MW-19 (up)	1ID0938-19	Aqueous	GRAB		04/07/25 12:21	04/08/25 11:30
MW-20 (up)	1ID0938-20	Aqueous	GRAB		04/07/25 12:07	04/08/25 11:30
MW-21 (up)	1ID0938-21	Aqueous	GRAB		04/07/25 12:03	04/08/25 11:30



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1ID0938

Analytical Testing Parameters

Client Sample ID:	MW-11 (up)	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	04/07/2025 12:58
Lab Sample ID:	1ID0938-01		

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Bromomethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Chloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Acetone	<10.0	10.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Chloroform	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Benzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Dibromomethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Toluene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Xylenes, total	<2.0	2.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Styrene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF

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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-11 (up)
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-01

Collected By: Whipple, Todd
Collection Date: 04/07/2025 12:58

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
Bromoform		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
1,2,3-Trichloropropane		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1407	RAF
Surrogate: Dibromofluoromethane	80.5	Limit: 75-136	% Rec			04/10/25 0000	04/10/25 1407	RAF
Surrogate: Dibromofluoromethane	80.5	Limit: 57-134	% Rec			04/10/25 0000	04/10/25 1407	RAF
Surrogate: 1,2-Dichloroethane-d4	77.3	Limit: 61-142	% Rec			04/10/25 0000	04/10/25 1407	RAF
Surrogate: 1,2-Dichloroethane-d4	77.3	Limit: 53-140	% Rec			04/10/25 0000	04/10/25 1407	RAF
Surrogate: Toluene-d8	107	Limit: 82-121	% Rec			04/10/25 0000	04/10/25 1407	RAF
Surrogate: Toluene-d8	107	Limit: 86-114	% Rec			04/10/25 0000	04/10/25 1407	RAF
Surrogate: 4-Bromofluorobenzene	94.9	Limit: 80-116	% Rec			04/10/25 0000	04/10/25 1407	RAF
Surrogate: 4-Bromofluorobenzene	94.9	Limit: 78-121	% Rec			04/10/25 0000	04/10/25 1407	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1430	RVV
Arsenic, total		<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1430	RVV
Barium, total	0.0459		0.0010	mg/L		04/28/25 0828	06/20/25 1430	RVV
Beryllium, total		<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1430	RVV
Cadmium, total	0.0014		0.0002	mg/L		04/28/25 0828	06/20/25 1430	RVV
Chromium, total		<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1430	RVV
Cobalt, total		<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1430	RVV
Copper, total		<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1430	RVV
Lead, total		<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1430	RVV
Nickel, total		<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1430	RVV
Selenium, total		<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1430	RVV
Silver, total		<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1430	RVV
Thallium, total		<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1430	RVV
Vanadium, total		<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1430	RVV
Zinc, total	0.0061		0.0050	mg/L		04/28/25 0828	06/20/25 1430	RVV

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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-12 (up)
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-02

Collected By: Whipple, Todd
Collection Date: 04/07/2025 13:08

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Bromomethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Chloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Acetone	<10.0	10.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Chloroform	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Benzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Dibromomethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Toluene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Xylenes, total	<2.0	2.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Styrene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Bromoform	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF

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CERTIFICATE OF ANALYSIS

11D0938

Client Sample ID: MW-12 (up)
Sample Matrix: Aqueous
Lab Sample ID: 11D0938-02

Collected By: Whipple, Todd
Collection Date: 04/07/2025 13:08

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1430	RAF
Surrogate: Dibromofluoromethane	81.0	Limit: 57-134	% Rec			04/10/25 0000	04/10/25 1430	RAF
Surrogate: Dibromofluoromethane	81.0	Limit: 75-136	% Rec			04/10/25 0000	04/10/25 1430	RAF
Surrogate: 1,2-Dichloroethane-d4	76.7	Limit: 61-142	% Rec			04/10/25 0000	04/10/25 1430	RAF
Surrogate: 1,2-Dichloroethane-d4	76.7	Limit: 53-140	% Rec			04/10/25 0000	04/10/25 1430	RAF
Surrogate: Toluene-d8	105	Limit: 86-114	% Rec			04/10/25 0000	04/10/25 1430	RAF
Surrogate: Toluene-d8	105	Limit: 82-121	% Rec			04/10/25 0000	04/10/25 1430	RAF
Surrogate: 4-Bromofluorobenzene	91.6	Limit: 80-116	% Rec			04/10/25 0000	04/10/25 1430	RAF
Surrogate: 4-Bromofluorobenzene	91.6	Limit: 78-121	% Rec			04/10/25 0000	04/10/25 1430	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1440	RVV
Arsenic, total	0.0022	0.0020	mg/L			04/28/25 0828	06/20/25 1440	RVV
Barium, total	0.126	0.0010	mg/L			04/28/25 0828	06/20/25 1440	RVV
Beryllium, total	<0.0005	0.0005	mg/L			04/28/25 0828	06/20/25 1440	RVV
Cadmium, total	0.0003	0.0002	mg/L			04/28/25 0828	06/20/25 1440	RVV
Chromium, total	<0.0010	0.0010	mg/L			04/28/25 0828	06/20/25 1440	RVV
Cobalt, total	<0.0005	0.0005	mg/L			04/28/25 0828	06/20/25 1440	RVV
Copper, total	<0.0050	0.0050	mg/L			06/25/25 0933	06/25/25 2244	RVV
Lead, total	<0.0010	0.0010	mg/L			04/28/25 0828	06/20/25 1440	RVV
Nickel, total	<0.0050	0.0050	mg/L			04/28/25 0828	06/20/25 1440	RVV
Selenium, total	0.0028	0.0020	mg/L			04/28/25 0828	06/20/25 1440	RVV
Silver, total	<0.0050	0.0050	mg/L			04/28/25 0828	06/20/25 1440	RVV
Thallium, total	<0.0005	0.0005	mg/L			04/28/25 0828	06/20/25 1440	RVV
Vanadium, total	<0.0020	0.0020	mg/L			04/28/25 0828	06/20/25 1440	RVV
Zinc, total	<0.0050	0.0050	mg/L			06/25/25 0933	06/25/25 2244	RVV

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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-17 (up)
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-03

Collected By: Whipple, Todd
Collection Date: 04/07/2025 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		04/10/25 0000	04/10/25 1452	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Bromomethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Chloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Acetone	<10.0	10.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Chloroform	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Benzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Dibromomethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Toluene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Xylenes, total	<2.0	2.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Styrene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Bromoform	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF

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CERTIFICATE OF ANALYSIS

11D0938

Client Sample ID: MW-17 (up)
Sample Matrix: Aqueous
Lab Sample ID: 11D0938-03

Collected By: Whipple, Todd
Collection Date: 04/07/2025 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		04/10/25 0000	04/10/25 1452	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1452	RAF
Surrogate: Dibromofluoromethane	76.0	Limit: 75-136	% Rec			04/10/25 0000	04/10/25 1452	RAF
Surrogate: Dibromofluoromethane	76.0	Limit: 57-134	% Rec			04/10/25 0000	04/10/25 1452	RAF
Surrogate: 1,2-Dichloroethane-d4	71.1	Limit: 61-142	% Rec			04/10/25 0000	04/10/25 1452	RAF
Surrogate: 1,2-Dichloroethane-d4	71.1	Limit: 53-140	% Rec			04/10/25 0000	04/10/25 1452	RAF
Surrogate: Toluene-d8	107	Limit: 82-121	% Rec			04/10/25 0000	04/10/25 1452	RAF
Surrogate: Toluene-d8	107	Limit: 86-114	% Rec			04/10/25 0000	04/10/25 1452	RAF
Surrogate: 4-Bromofluorobenzene	95.5	Limit: 80-116	% Rec			04/10/25 0000	04/10/25 1452	RAF
Surrogate: 4-Bromofluorobenzene	95.5	Limit: 78-121	% Rec			04/10/25 0000	04/10/25 1452	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1442	RVV
Arsenic, total	0.0221	0.0020		mg/L		04/28/25 0828	06/20/25 1442	RVV
Barium, total	0.370	0.0010		mg/L		04/28/25 0828	06/20/25 1442	RVV
Beryllium, total		<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1442	RVV
Cadmium, total		<0.0002	0.0002	mg/L		04/28/25 0828	06/20/25 1442	RVV
Chromium, total		<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1442	RVV
Cobalt, total		<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1442	RVV
Copper, total		<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1442	RVV
Lead, total		<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1442	RVV
Nickel, total		<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1442	RVV
Selenium, total		<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1442	RVV
Silver, total		<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1442	RVV
Thallium, total		<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1442	RVV
Vanadium, total		<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1442	RVV
Zinc, total	0.0072	0.0050		mg/L		04/28/25 0828	06/20/25 1442	RVV

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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-3AR
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-04

Collected By: Whipple, Todd
Collection Date: 04/07/2025 10:17

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Bromomethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Chloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Acetone	<10.0	10.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Chloroform	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Benzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Dibromomethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Toluene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Xylenes, total	<2.0	2.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Styrene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Bromoform	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF

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CERTIFICATE OF ANALYSIS

11D0938

Client Sample ID: MW-3AR
Sample Matrix: Aqueous
Lab Sample ID: 11D0938-04

Collected By: Whipple, Todd
Collection Date: 04/07/2025 10:17

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1514	RAF
Surrogate: Dibromofluoromethane	79.2	Limit: 57-134	% Rec			04/10/25 0000	04/10/25 1514	RAF
Surrogate: Dibromofluoromethane	79.2	Limit: 75-136	% Rec			04/10/25 0000	04/10/25 1514	RAF
Surrogate: 1,2-Dichloroethane-d4	71.9	Limit: 61-142	% Rec			04/10/25 0000	04/10/25 1514	RAF
Surrogate: 1,2-Dichloroethane-d4	71.9	Limit: 53-140	% Rec			04/10/25 0000	04/10/25 1514	RAF
Surrogate: Toluene-d8	105	Limit: 86-114	% Rec			04/10/25 0000	04/10/25 1514	RAF
Surrogate: Toluene-d8	105	Limit: 82-121	% Rec			04/10/25 0000	04/10/25 1514	RAF
Surrogate: 4-Bromofluorobenzene	93.4	Limit: 78-121	% Rec			04/10/25 0000	04/10/25 1514	RAF
Surrogate: 4-Bromofluorobenzene	93.4	Limit: 80-116	% Rec			04/10/25 0000	04/10/25 1514	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1445	RVV
Arsenic, total		<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1445	RVV
Barium, total	0.0588		0.0010	mg/L		04/28/25 0828	06/20/25 1445	RVV
Beryllium, total		<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1445	RVV
Cadmium, total	0.0022		0.0002	mg/L		04/28/25 0828	06/20/25 1445	RVV
Chromium, total		<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1445	RVV
Cobalt, total		<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1445	RVV
Copper, total	0.0075		0.0050	mg/L		04/28/25 0828	06/20/25 1445	RVV
Lead, total		<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1445	RVV
Nickel, total		<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1445	RVV
Selenium, total		<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1445	RVV
Silver, total		<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1445	RVV
Thallium, total		<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1445	RVV
Vanadium, total		<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1445	RVV
Zinc, total	0.0066		0.0050	mg/L		04/28/25 0828	06/20/25 1445	RVV

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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-6B
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-05

Collected By: Whipple, Todd
Collection Date: 04/07/2025 9:41

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Dichlorodifluoromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Chloromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Vinyl Chloride	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Bromomethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Chloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Acrolein	<10.0	10.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Acetone	<10.0	10.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Methyl Iodide	<2.0	2.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Carbon Disulfide	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Acetonitrile	<10.0	10.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Methylene Chloride	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Acrylonitrile	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Vinyl Acetate	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
2,2-Dichloropropane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
2-Butanone (MEK)	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Bromochloromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Chloroform	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
1,1-Dichloropropene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Benzene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Trichloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Dibromomethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Bromodichloromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Toluene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Ethyl Methacrylate	<10.0	10.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
1,3-Dichloropropane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Dibromochloromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM

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CERTIFICATE OF ANALYSIS

11D0938

Client Sample ID: MW-6B
Sample Matrix: Aqueous
Lab Sample ID: 11D0938-05

Collected By: Whipple, Todd
Collection Date: 04/07/2025 9:41

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
Chlorobenzene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
1,1,1,2-Tetrachloroethane		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Ethylbenzene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Xylenes, total		<2.0	2.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Styrene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Bromoform		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
1,2,3-Trichloropropane		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
1,3-Dichlorobenzene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
1,2-Dibromo-3-chloropropane		<1.0	1.0	ug/L	Q3	04/15/25 0000	04/15/25 1402	RAF
1,2,4-Trichlorobenzene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1502	CSM
Allyl chloride		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1336	RAF
Chloroprene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1336	RAF
Methacrylonitrile		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1336	RAF
Methyl Methacrylate		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1336	RAF
Propionitrile		<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1336	RAF
Surrogate: Dibromofluoromethane	74.6	Limit: 57-134	% Rec			04/15/25 0000	04/15/25 1402	RAF
Surrogate: Dibromofluoromethane	99.4	Limit: 57-134	% Rec			04/11/25 0000	04/11/25 1502	CSM
Surrogate: Dibromofluoromethane	98.2	Limit: 57-134	% Rec			04/16/25 0000	04/16/25 1336	RAF
Surrogate: 1,2-Dichloroethane-d4	69.9	Limit: 53-140	% Rec			04/15/25 0000	04/15/25 1402	RAF
Surrogate: 1,2-Dichloroethane-d4	97.2	Limit: 53-140	% Rec			04/16/25 0000	04/16/25 1336	RAF
Surrogate: 1,2-Dichloroethane-d4	89.9	Limit: 53-140	% Rec			04/11/25 0000	04/11/25 1502	CSM
Surrogate: 1,2-Dichloroethane-d4	89.9	Limit: 53-140	% Rec			04/11/25 0000	04/11/25 1502	CSM
Surrogate: Toluene-d8	103	Limit: 86-114	% Rec			04/15/25 0000	04/15/25 1402	RAF
Surrogate: Toluene-d8	95.8	Limit: 86-114	% Rec			04/11/25 0000	04/11/25 1502	CSM
Surrogate: Toluene-d8	95.8	Limit: 86-114	% Rec			04/11/25 0000	04/11/25 1502	CSM
Surrogate: Toluene-d8	98.2	Limit: 86-114	% Rec			04/16/25 0000	04/16/25 1336	RAF
Surrogate: 4-Bromofluorobenzene	88.5	Limit: 78-121	% Rec			04/15/25 0000	04/15/25 1402	RAF
Surrogate: 4-Bromofluorobenzene	98.1	Limit: 78-121	% Rec			04/16/25 0000	04/16/25 1336	RAF
Surrogate: 4-Bromofluorobenzene	91.3	Limit: 78-121	% Rec			04/11/25 0000	04/11/25 1502	CSM
Surrogate: 4-Bromofluorobenzene	91.3	Limit: 78-121	% Rec			04/11/25 0000	04/11/25 1502	CSM

Determination of General Solvents		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 8015C								
Isobutanol		<1.0	1.0	mg/L		04/09/25 1016	04/15/25 0254	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		04/14/25 1438	04/18/25 1309	EPP
Methyl Methanesulfonate		<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP



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CERTIFICATE OF ANALYSIS

11D0938

Client Sample ID: MW-6B
Sample Matrix: Aqueous
Lab Sample ID: 11D0938-05

Collected By: Whipple, Todd
Collection Date: 04/07/2025 9:41

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
N-Nitrosodiethylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
N-Nitrosomethylethylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Ethyl Methanesulfonate	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Phenol	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Bis(2-Chloroethyl) Ether	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
2-Chlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Benzyl Alcohol	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
2-Methylphenol (o-Cresol)	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Bis[2-Chloroisopropyl]ether	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
n-Nitroso-di-n-propylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
N-Nitrosopyrrolidine	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Acetophenone	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
o-Toluidine	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
(3 & 4)-Methylphenol	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Hexachloroethane	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Nitrobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
N-Nitrosopiperidine	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Isophorone	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
2-Nitrophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
2,4-Dimethylphenol	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Bis (2-Chloroethoxy) Methane	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
2,4-Dichlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Naphthalene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
4-Chloroaniline	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
2,6-Dichlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Hexachloropropene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Hexachlorobutadiene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
N-Nitrosodi-n-butylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
1,4-Phenylenediamine	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
4-Chloro-3-methylphenol	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
2-Methylnaphthalene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Isosafrole	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Hexachlorocyclopentadiene	<8	8	ug/L	Q8	04/14/25 1438	04/18/25 1309	EPP
2,4,6-Trichlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
2,4,5-Trichlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Safrole	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
2-Chloronaphthalene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
2-Nitroaniline	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
1,4-Naphthoquinone	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Dimethylphthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
1,3-Dinitrobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
1,2-Dinitrobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP

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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-6B
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-05

Collected By: Whipple, Todd
Collection Date: 04/07/2025 9:41

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
2,6-Dinitrotoluene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Acenaphthylene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
3-Nitroaniline	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Acenaphthene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
2,4-Dinitrophenol	<8	8	ug/L	Q8	04/14/25 1438	04/18/25 1309	EPP
4-Nitrophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Dibenzofuran	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
2,4-Dinitrotoluene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
2,3,4,6-Tetrachlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Pentachlorobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
1-Naphthylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
2-Naphthylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Diethyl Phthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Fluorene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
4-Chlorophenyl Phenyl Ether	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
4-Nitroaniline	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
5-Nitro-o-toluidine	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
4,6-Dinitro-2-methylphenol	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
N-Nitrosodiphenylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Diphenylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Azobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Diallate	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
1,3,5-Trinitrobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Phenacetin	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
4-Bromophenyl Phenyl Ether	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
4-Aminobiphenyl	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Pentachlorophenol	<8	8	ug/L	Q8	04/14/25 1438	04/18/25 1309	EPP
Pronamide	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Pentachloronitrobenzene (PCNB)	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Phenanthrene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Anthracene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Di-n-butyl Phthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Methapyrilene	<8	8	ug/L	Q8	04/14/25 1438	04/18/25 1309	EPP
Fluoranthene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Isodrin	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Chlorobenzilate	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Pyrene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
p-(Dimethylamino)azobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
3,3-Dimethylbenzidine	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Butyl Benzyl Phthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Benzo(a)anthracene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Chrysene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Bis(2-Ethylhexyl) Phthalate	<6	6	ug/L		04/14/25 1438	04/18/25 1309	EPP

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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-6B
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-05

Collected By: Whipple, Todd
Collection Date: 04/07/2025 9:41

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst

Kepone	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
3,3'-Dichlorobenzidine	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
2-Acetylaminofluorene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Di-n-octyl Phthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Benzo(b)Fluoranthene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Benzo(k)Fluoranthene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Benzo(a)Pyrene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
3-Methylcholanthrene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Dibenzo(a,h)anthracene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Indeno(1,2,3-cd)Pyrene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Benzo(g,h,i)perylene	<8	8	ug/L		04/14/25 1438	04/18/25 1309	EPP
Surrogate: 2-Fluorophenol	66.2	Limit: 10-159	% Rec		04/14/25 1438	04/18/25 1309	EPP
Surrogate: Phenol-d6	65.3	Limit: 10-162	% Rec		04/14/25 1438	04/18/25 1309	EPP
Surrogate: Nitrobenzene-d5	78.3	Limit: 17-154	% Rec		04/14/25 1438	04/18/25 1309	EPP
Surrogate: 2-Fluorobiphenyl	76.9	Limit: 15-150	% Rec		04/14/25 1438	04/18/25 1309	EPP
Surrogate: 2,4,6-Tribromophenol	104	Limit: 10-156	% Rec		04/14/25 1438	04/18/25 1309	EPP
Surrogate: Terphenyl-dl4	88.6	Limit: 10-179	% Rec		04/14/25 1438	04/18/25 1309	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		04/14/25 1450	04/16/25 2333	EPP
Thionazin	<0.4	0.4	ug/L		04/14/25 1450	04/16/25 2333	EPP
Phorate	<0.4	0.4	ug/L		04/14/25 1450	04/16/25 2333	EPP
Dimethoate	<0.4	0.4	ug/L		04/14/25 1450	04/16/25 2333	EPP
Disulfoton	<0.4	0.4	ug/L		04/14/25 1450	04/16/25 2333	EPP
Methyl Parathion	<0.4	0.4	ug/L		04/14/25 1450	04/16/25 2333	EPP
Parathion	<0.4	0.4	ug/L		04/14/25 1450	04/16/25 2333	EPP
Famphur	<0.4	0.4	ug/L		04/14/25 1450	04/16/25 2333	EPP
Surrogate: 2-Nitro-m-xylene	47.2	Limit: 32-110	% Rec		04/14/25 1450	04/16/25 2333	EPP

Determination of Chlorinated Phenoxy Herbicides	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 8151A

2,4-D	<2.0	2.0	ug/L		04/14/25 1435	04/17/25 1500	EPP
2,4,5-TP (Silvex)	<0.5	0.5	ug/L		04/14/25 1435	04/17/25 1500	EPP
2,4,5-T	<0.5	0.5	ug/L		04/14/25 1435	04/17/25 1500	EPP
Dinoseb	<0.5	0.5	ug/L		04/14/25 1435	04/17/25 1500	EPP
Surrogate: 2,5-Dichlorobenzoic Acid	83.4	Limit: 49-174	% Rec		04/14/25 1435	04/17/25 1500	EPP

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 3510C/EPA 8081



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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-6B
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-05

Collected By: Whipple, Todd
Collection Date: 04/07/2025 9:41

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Alpha-BHC	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1405	EPP
Gamma-BHC [Lindane]	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1405	EPP
Beta-BHC	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1405	EPP
Heptachlor	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1405	EPP
Delta-BHC	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1405	EPP
Aldrin	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1405	EPP
Heptachlor Epoxide	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1405	EPP
Endosulfan I	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1405	EPP
4,4'-DDE	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1405	EPP
Dieldrin	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1405	EPP
Endrin	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1405	EPP
4,4'-DDD	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1405	EPP
Endosulfan II	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1405	EPP
4,4'-DDT	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1405	EPP
Endrin Aldehyde	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1405	EPP
Endosulfan Sulfate	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1405	EPP
Methoxychlor	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1405	EPP
Chlordane	<0.10	0.10	ug/L		04/14/25 1448	04/16/25 1405	EPP
Toxaphene	<0.20	0.20	ug/L		04/14/25 1448	04/16/25 1405	EPP
Hexachlorobenzene	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1405	EPP
Surrogate: Tetrachloro-m-xylene	72.8	Limit: 45-111	% Rec		04/14/25 1448	04/16/25 1405	EPP

Determination of Polychlorinated Biphenyls (PCB)	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8082A							
Arochlor 1016	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1405	EPP
Arochlor 1221	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1405	EPP
Arochlor 1232	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1405	EPP
Arochlor 1242	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1405	EPP
Arochlor 1248	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1405	EPP
Arochlor 1254	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1405	EPP
Arochlor 1260	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1405	EPP
Surrogate: Tetrachloro-m-xylene	77.0	Limit: 50-116	% Rec		04/14/25 1447	04/16/25 1405	EPP
Surrogate: Decachlorobiphenyl	76.5	Limit: 38-122	% Rec		04/14/25 1447	04/16/25 1405	EPP

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 376.2							
Sulfide, total	<0.10	0.10	mg/L		04/14/25 1123	04/14/25 1436	AKK
EPA 9014							
Cyanide, total	<0.010	0.010	mg/L	M2	04/10/25 1558	04/17/25 1501	CES

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst



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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-6B
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-05

Collected By: Whipple, Todd
Collection Date: 04/07/2025 9:41

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1447	RVV
Arsenic, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1447	RVV
Barium, total	0.0929	0.0010	mg/L		04/28/25 0828	06/20/25 1447	RVV
Beryllium, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1447	RVV
Cadmium, total	<0.0002	0.0002	mg/L		04/28/25 0828	06/20/25 1447	RVV
Chromium, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1447	RVV
Cobalt, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1447	RVV
Copper, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1447	RVV
Lead, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1447	RVV
Nickel, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1447	RVV
Selenium, total	0.0022	0.0020	mg/L		04/28/25 0828	06/20/25 1447	RVV
Silver, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1447	RVV
Thallium, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1447	RVV
Tin, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1447	RVV
Vanadium, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1447	RVV
Zinc, total	0.0074	0.0050	mg/L		04/28/25 0828	06/20/25 1447	RVV
EPA 7470A							
Mercury, total	<0.00050	0.00050	mg/L		04/15/25 1311	04/16/25 1232	JAR

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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-7A
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-06

Collected By: Whipple, Todd
Collection Date: 04/07/2025 15:22

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Dichlorodifluoromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Chloromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Vinyl Chloride	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Bromomethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Chloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Acrolein	<10.0	10.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Acetone	<10.0	10.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Methyl Iodide	<2.0	2.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Carbon Disulfide	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Acetonitrile	<10.0	10.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Methylene Chloride	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Acrylonitrile	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Vinyl Acetate	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
2,2-Dichloropropane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
2-Butanone (MEK)	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Bromochloromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Chloroform	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
1,1-Dichloropropene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Benzene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Trichloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Dibromomethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Bromodichloromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Toluene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Ethyl Methacrylate	<10.0	10.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
1,3-Dichloropropane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Dibromochloromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM

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CERTIFICATE OF ANALYSIS

11D0938

Client Sample ID: MW-7A
Sample Matrix: Aqueous
Lab Sample ID: 11D0938-06

Collected By: Whipple, Todd
Collection Date: 04/07/2025 15:22

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Chlorobenzene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Ethylbenzene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Xylenes, total	<2.0	2.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Styrene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Bromoform	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
1,3-Dichlorobenzene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L	Q3	04/15/25 0000	04/15/25 1424	RAF
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1525	CSM
Allyl chloride	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1359	RAF
Chloroprene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1359	RAF
Methacrylonitrile	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1359	RAF
Methyl Methacrylate	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1359	RAF
Propionitrile	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1359	RAF
Surrogate: Dibromofluoromethane	97.6	Limit: 57-134	% Rec		04/11/25 0000	04/11/25 1525	CSM
Surrogate: Dibromofluoromethane	79.4	Limit: 57-134	% Rec		04/15/25 0000	04/15/25 1424	RAF
Surrogate: Dibromofluoromethane	97.6	Limit: 57-134	% Rec		04/16/25 0000	04/16/25 1359	RAF
Surrogate: 1,2-Dichloroethane-d4	89.0	Limit: 53-140	% Rec		04/11/25 0000	04/11/25 1525	CSM
Surrogate: 1,2-Dichloroethane-d4	89.0	Limit: 53-140	% Rec		04/11/25 0000	04/11/25 1525	CSM
Surrogate: 1,2-Dichloroethane-d4	96.5	Limit: 53-140	% Rec		04/16/25 0000	04/16/25 1359	RAF
Surrogate: 1,2-Dichloroethane-d4	72.6	Limit: 53-140	% Rec		04/15/25 0000	04/15/25 1424	RAF
Surrogate: Toluene-d8	97.7	Limit: 86-114	% Rec		04/11/25 0000	04/11/25 1525	CSM
Surrogate: Toluene-d8	97.7	Limit: 86-114	% Rec		04/11/25 0000	04/11/25 1525	CSM
Surrogate: Toluene-d8	97.9	Limit: 86-114	% Rec		04/16/25 0000	04/16/25 1359	RAF
Surrogate: Toluene-d8	103	Limit: 86-114	% Rec		04/15/25 0000	04/15/25 1424	RAF
Surrogate: 4-Bromofluorobenzene	93.0	Limit: 78-121	% Rec		04/11/25 0000	04/11/25 1525	CSM
Surrogate: 4-Bromofluorobenzene	93.0	Limit: 78-121	% Rec		04/11/25 0000	04/11/25 1525	CSM
Surrogate: 4-Bromofluorobenzene	98.7	Limit: 78-121	% Rec		04/16/25 0000	04/16/25 1359	RAF
Surrogate: 4-Bromofluorobenzene	89.0	Limit: 78-121	% Rec		04/15/25 0000	04/15/25 1424	RAF

Determination of General Solvents	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 8015C							
Isobutanol	<1.0	1.0	mg/L		04/09/25 1016	04/15/25 0332	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		04/14/25 1438	04/18/25 1333	EPP
Methyl Methanesulfonate	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11D0938

Client Sample ID: MW-7A
Sample Matrix: Aqueous
Lab Sample ID: 11D0938-06

Collected By: Whipple, Todd
Collection Date: 04/07/2025 15:22

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
N-Nitrosodiethylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
N-Nitrosomethylethylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Ethyl Methanesulfonate	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Phenol	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Bis(2-Chloroethyl) Ether	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
2-Chlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Benzyl Alcohol	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
2-Methylphenol (o-Cresol)	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Bis[2-Chloroisopropyl]ether	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
n-Nitroso-di-n-propylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
N-Nitrosopyrrolidine	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Acetophenone	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
o-Toluidine	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
(3 & 4)-Methylphenol	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Hexachloroethane	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Nitrobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
N-Nitrosopiperidine	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Isophorone	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
2-Nitrophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
2,4-Dimethylphenol	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Bis (2-Chloroethoxy) Methane	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
2,4-Dichlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Naphthalene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
4-Chloroaniline	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
2,6-Dichlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Hexachloropropene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Hexachlorobutadiene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
N-Nitrosodi-n-butylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
1,4-Phenylenediamine	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
4-Chloro-3-methylphenol	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
2-Methylnaphthalene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Isosafrole	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Hexachlorocyclopentadiene	<8	8	ug/L	Q8	04/14/25 1438	04/18/25 1333	EPP
2,4,6-Trichlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
2,4,5-Trichlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Safrole	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
2-Chloronaphthalene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
2-Nitroaniline	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
1,4-Naphthoquinone	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Dimethylphthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
1,3-Dinitrobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
1,2-Dinitrobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP

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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-7A
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-06

Collected By: Whipple, Todd
Collection Date: 04/07/2025 15:22

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
2,6-Dinitrotoluene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Acenaphthylene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
3-Nitroaniline	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Acenaphthene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
2,4-Dinitrophenol	<8	8	ug/L	Q8	04/14/25 1438	04/18/25 1333	EPP
4-Nitrophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Dibenzofuran	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
2,4-Dinitrotoluene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
2,3,4,6-Tetrachlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Pentachlorobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
1-Naphthylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
2-Naphthylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Diethyl Phthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Fluorene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
4-Chlorophenyl Phenyl Ether	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
4-Nitroaniline	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
5-Nitro-o-toluidine	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
4,6-Dinitro-2-methylphenol	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
N-Nitrosodiphenylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Diphenylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Azobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Diallate	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
1,3,5-Trinitrobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Phenacetin	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
4-Bromophenyl Phenyl Ether	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
4-Aminobiphenyl	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Pentachlorophenol	<8	8	ug/L	Q8	04/14/25 1438	04/18/25 1333	EPP
Pronamide	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Pentachloronitrobenzene (PCNB)	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Phenanthrene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Anthracene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Di-n-butyl Phthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Methapyrilene	<8	8	ug/L	Q8	04/14/25 1438	04/18/25 1333	EPP
Fluoranthene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Isodrin	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Chlorobenzilate	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Pyrene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
p-(Dimethylamino)azobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
3,3-Dimethylbenzidine	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Butyl Benzyl Phthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Benzo(a)anthracene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Chrysene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Bis(2-Ethylhexyl) Phthalate	<6	6	ug/L		04/14/25 1438	04/18/25 1333	EPP

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CERTIFICATE OF ANALYSIS

11D0938

Client Sample ID: MW-7A
Sample Matrix: Aqueous
Lab Sample ID: 11D0938-06

Collected By: Whipple, Todd
Collection Date: 04/07/2025 15:22

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst

Kepone	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
3,3'-Dichlorobenzidine	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
2-Acetylaminofluorene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Di-n-octyl Phthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Benzo(b)Fluoranthene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Benzo(k)Fluoranthene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Benzo(a)Pyrene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
3-Methylcholanthrene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Dibenzo(a,h)anthracene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Indeno(1,2,3-cd)Pyrene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Benzo(g,h,i)perylene	<8	8	ug/L		04/14/25 1438	04/18/25 1333	EPP
Surrogate: 2-Fluorophenol	64.1	Limit: 10-159	% Rec		04/14/25 1438	04/18/25 1333	EPP
Surrogate: Phenol-d6	70.8	Limit: 10-162	% Rec		04/14/25 1438	04/18/25 1333	EPP
Surrogate: Nitrobenzene-d5	73.5	Limit: 17-154	% Rec		04/14/25 1438	04/18/25 1333	EPP
Surrogate: 2-Fluorobiphenyl	80.2	Limit: 15-150	% Rec		04/14/25 1438	04/18/25 1333	EPP
Surrogate: 2,4,6-Tribromophenol	119	Limit: 10-156	% Rec		04/14/25 1438	04/18/25 1333	EPP
Surrogate: Terphenyl-dl4	102	Limit: 10-179	% Rec		04/14/25 1438	04/18/25 1333	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		04/14/25 1450	04/17/25 0015	EPP
Thionazin	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0015	EPP
Phorate	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0015	EPP
Dimethoate	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0015	EPP
Disulfoton	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0015	EPP
Methyl Parathion	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0015	EPP
Parathion	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0015	EPP
Famphur	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0015	EPP
Surrogate: 2-Nitro-m-xylene	44.8	Limit: 32-110	% Rec		04/14/25 1450	04/17/25 0015	EPP

Determination of Chlorinated Phenoxy Herbicides	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 8151A

2,4-D	<2.0	2.0	ug/L		04/14/25 1435	04/17/25 1530	EPP
2,4,5-TP (Silvex)	<0.5	0.5	ug/L		04/14/25 1435	04/17/25 1530	EPP
2,4,5-T	<0.5	0.5	ug/L		04/14/25 1435	04/17/25 1530	EPP
Dinoseb	<0.5	0.5	ug/L		04/14/25 1435	04/17/25 1530	EPP
Surrogate: 2,5-Dichlorobenzoic Acid	105	Limit: 49-174	% Rec		04/14/25 1435	04/17/25 1530	EPP

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 3510C/EPA 8081



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-7A
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-06

Collected By: Whipple, Todd
Collection Date: 04/07/2025 15:22

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Alpha-BHC	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1421	EPP
Gamma-BHC [Lindane]	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1421	EPP
Beta-BHC	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1421	EPP
Heptachlor	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1421	EPP
Delta-BHC	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1421	EPP
Aldrin	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1421	EPP
Heptachlor Epoxide	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1421	EPP
Endosulfan I	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1421	EPP
4,4'-DDE	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1421	EPP
Dieldrin	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1421	EPP
Endrin	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1421	EPP
4,4'-DDD	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1421	EPP
Endosulfan II	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1421	EPP
4,4'-DDT	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1421	EPP
Endrin Aldehyde	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1421	EPP
Endosulfan Sulfate	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1421	EPP
Methoxychlor	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1421	EPP
Chlordane	<0.10	0.10	ug/L		04/14/25 1448	04/16/25 1421	EPP
Toxaphene	<0.20	0.20	ug/L		04/14/25 1448	04/16/25 1421	EPP
Hexachlorobenzene	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1421	EPP
Surrogate: Tetrachloro-m-xylene	71.3	Limit: 45-111	% Rec		04/14/25 1448	04/16/25 1421	EPP

Determination of Polychlorinated Biphenyls (PCB)	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8082A							
Arochlor 1016	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1421	EPP
Arochlor 1221	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1421	EPP
Arochlor 1232	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1421	EPP
Arochlor 1242	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1421	EPP
Arochlor 1248	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1421	EPP
Arochlor 1254	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1421	EPP
Arochlor 1260	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1421	EPP
Surrogate: Tetrachloro-m-xylene	74.7	Limit: 50-116	% Rec		04/14/25 1447	04/16/25 1421	EPP
Surrogate: Decachlorobiphenyl	52.7	Limit: 38-122	% Rec		04/14/25 1447	04/16/25 1421	EPP

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 376.2							
Sulfide, total	<0.10	0.10	mg/L		04/14/25 1123	04/14/25 1436	AKK
EPA 9014							
Cyanide, total	<0.010	0.010	mg/L		04/10/25 1558	04/17/25 1501	CES

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst



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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-7A
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-06

Collected By: Whipple, Todd
Collection Date: 04/07/2025 15:22

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1455	RVV
Arsenic, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1455	RVV
Barium, total	0.231	0.0010	mg/L		04/28/25 0828	06/20/25 1455	RVV
Beryllium, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1455	RVV
Cadmium, total	0.0003	0.0002	mg/L		04/28/25 0828	06/20/25 1455	RVV
Chromium, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1455	RVV
Cobalt, total	0.0006	0.0005	mg/L		04/28/25 0828	06/20/25 1455	RVV
Copper, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1455	RVV
Lead, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1455	RVV
Nickel, total	0.0265	0.0050	mg/L		04/28/25 0828	06/20/25 1455	RVV
Selenium, total	0.0040	0.0020	mg/L		04/28/25 0828	06/20/25 1455	RVV
Silver, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1455	RVV
Thallium, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1455	RVV
Tin, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1455	RVV
Vanadium, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1455	RVV
Zinc, total	0.0053	0.0050	mg/L		04/28/25 0828	06/20/25 1455	RVV
EPA 7470A							
Mercury, total	<0.00050	0.00050	mg/L		04/15/25 1311	04/16/25 1234	JAR

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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-7B
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-07

Collected By: Whipple, Todd
Collection Date: 04/07/2025 14:55

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Dichlorodifluoromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Chloromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Vinyl Chloride	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Bromomethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Chloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Acrolein	<10.0	10.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Acetone	<10.0	10.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Methyl Iodide	<2.0	2.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Carbon Disulfide	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Acetonitrile	<10.0	10.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Methylene Chloride	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Acrylonitrile	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Vinyl Acetate	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
2,2-Dichloropropane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
2-Butanone (MEK)	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Bromochloromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Chloroform	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
1,1-Dichloropropene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Benzene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Trichloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Dibromomethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Bromodichloromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Toluene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Ethyl Methacrylate	<10.0	10.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
1,3-Dichloropropane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Dibromochloromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM

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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-7B
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-07

Collected By: Whipple, Todd
Collection Date: 04/07/2025 14:55

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
Chlorobenzene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
1,1,1,2-Tetrachloroethane		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Ethylbenzene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Xylenes, total		<2.0	2.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Styrene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Bromoform		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
1,2,3-Trichloropropane		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
1,3-Dichlorobenzene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
1,2-Dibromo-3-chloropropane		<1.0	1.0	ug/L	Q3	04/15/25 0000	04/15/25 1447	RAF
1,2,4-Trichlorobenzene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1547	CSM
Allyl chloride		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1422	RAF
Chloroprene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1422	RAF
Methacrylonitrile		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1422	RAF
Methyl Methacrylate		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1422	RAF
Propionitrile		<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1422	RAF
Surrogate: Dibromofluoromethane	98.6	Limit: 57-134	% Rec			04/11/25 0000	04/11/25 1547	CSM
Surrogate: Dibromofluoromethane	98.0	Limit: 57-134	% Rec			04/16/25 0000	04/16/25 1422	RAF
Surrogate: Dibromofluoromethane	77.2	Limit: 57-134	% Rec			04/15/25 0000	04/15/25 1447	RAF
Surrogate: 1,2-Dichloroethane-d4	87.0	Limit: 53-140	% Rec			04/11/25 0000	04/11/25 1547	CSM
Surrogate: 1,2-Dichloroethane-d4	98.3	Limit: 53-140	% Rec			04/16/25 0000	04/16/25 1422	RAF
Surrogate: 1,2-Dichloroethane-d4	87.0	Limit: 53-140	% Rec			04/11/25 0000	04/11/25 1547	CSM
Surrogate: 1,2-Dichloroethane-d4	72.3	Limit: 53-140	% Rec			04/15/25 0000	04/15/25 1447	RAF
Surrogate: Toluene-d8	95.7	Limit: 86-114	% Rec			04/11/25 0000	04/11/25 1547	CSM
Surrogate: Toluene-d8	98.9	Limit: 86-114	% Rec			04/16/25 0000	04/16/25 1422	RAF
Surrogate: Toluene-d8	95.7	Limit: 86-114	% Rec			04/11/25 0000	04/11/25 1547	CSM
Surrogate: Toluene-d8	109	Limit: 86-114	% Rec			04/15/25 0000	04/15/25 1447	RAF
Surrogate: 4-Bromofluorobenzene	91.3	Limit: 78-121	% Rec			04/11/25 0000	04/11/25 1547	CSM
Surrogate: 4-Bromofluorobenzene	99.3	Limit: 78-121	% Rec			04/16/25 0000	04/16/25 1422	RAF
Surrogate: 4-Bromofluorobenzene	91.3	Limit: 78-121	% Rec			04/11/25 0000	04/11/25 1547	CSM
Surrogate: 4-Bromofluorobenzene	91.6	Limit: 78-121	% Rec			04/15/25 0000	04/15/25 1447	RAF

Determination of General Solvents		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 8015C								
Isobutanol		<1.0	1.0	mg/L		04/09/25 1016	04/15/25 0410	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		04/14/25 1438	04/18/25 1358	EPP
Methyl Methanesulfonate		<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11D0938

Client Sample ID: MW-7B
Sample Matrix: Aqueous
Lab Sample ID: 11D0938-07

Collected By: Whipple, Todd
Collection Date: 04/07/2025 14:55

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
N-Nitrosodiethylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
N-Nitrosomethylethylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Ethyl Methanesulfonate	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Phenol	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Bis(2-Chloroethyl) Ether	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
2-Chlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Benzyl Alcohol	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
2-Methylphenol (o-Cresol)	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Bis[2-Chloroisopropyl]ether	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
n-Nitroso-di-n-propylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
N-Nitrosopyrrolidine	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Acetophenone	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
o-Toluidine	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
(3 & 4)-Methylphenol	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Hexachloroethane	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Nitrobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
N-Nitrosopiperidine	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Isophorone	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
2-Nitrophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
2,4-Dimethylphenol	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Bis (2-Chloroethoxy) Methane	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
2,4-Dichlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Naphthalene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
4-Chloroaniline	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
2,6-Dichlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Hexachloropropene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Hexachlorobutadiene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
N-Nitrosodi-n-butylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
1,4-Phenylenediamine	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
4-Chloro-3-methylphenol	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
2-Methylnaphthalene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Isosafrole	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Hexachlorocyclopentadiene	<8	8	ug/L	Q8	04/14/25 1438	04/18/25 1358	EPP
2,4,6-Trichlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
2,4,5-Trichlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Safrole	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
2-Chloronaphthalene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
2-Nitroaniline	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
1,4-Naphthoquinone	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Dimethylphthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
1,3-Dinitrobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
1,2-Dinitrobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP

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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-7B
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-07

Collected By: Whipple, Todd
Collection Date: 04/07/2025 14:55

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
2,6-Dinitrotoluene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Acenaphthylene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
3-Nitroaniline	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Acenaphthene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
2,4-Dinitrophenol	<8	8	ug/L	Q8	04/14/25 1438	04/18/25 1358	EPP
4-Nitrophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Dibenzofuran	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
2,4-Dinitrotoluene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
2,3,4,6-Tetrachlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Pentachlorobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
1-Naphthylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
2-Naphthylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Diethyl Phthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Fluorene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
4-Chlorophenyl Phenyl Ether	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
4-Nitroaniline	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
5-Nitro-o-toluidine	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
4,6-Dinitro-2-methylphenol	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
N-Nitrosodiphenylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Diphenylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Azobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Diallate	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
1,3,5-Trinitrobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Phenacetin	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
4-Bromophenyl Phenyl Ether	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
4-Aminobiphenyl	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Pentachlorophenol	<8	8	ug/L	Q8	04/14/25 1438	04/18/25 1358	EPP
Pronamide	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Pentachloronitrobenzene (PCNB)	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Phenanthrene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Anthracene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Di-n-butyl Phthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Methapyrilene	<8	8	ug/L	Q8	04/14/25 1438	04/18/25 1358	EPP
Fluoranthene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Isodrin	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Chlorobenzilate	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Pyrene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
p-(Dimethylamino)azobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
3,3-Dimethylbenzidine	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Butyl Benzyl Phthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Benzo(a)anthracene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Chrysene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Bis(2-Ethylhexyl) Phthalate	<6	6	ug/L		04/14/25 1438	04/18/25 1358	EPP

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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-7B
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-07

Collected By: Whipple, Todd
Collection Date: 04/07/2025 14:55

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst

Kepone	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
3,3'-Dichlorobenzidine	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
2-Acetylaminofluorene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Di-n-octyl Phthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Benzo(b)Fluoranthene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Benzo(k)Fluoranthene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Benzo(a)Pyrene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
3-Methylcholanthrene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Dibenzo(a,h)anthracene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Indeno(1,2,3-cd)Pyrene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Benzo(g,h,i)perylene	<8	8	ug/L		04/14/25 1438	04/18/25 1358	EPP
Surrogate: 2-Fluorophenol	70.6	Limit: 10-159	% Rec		04/14/25 1438	04/18/25 1358	EPP
Surrogate: Phenol-d6	72.6	Limit: 10-162	% Rec		04/14/25 1438	04/18/25 1358	EPP
Surrogate: Nitrobenzene-d5	81.7	Limit: 17-154	% Rec		04/14/25 1438	04/18/25 1358	EPP
Surrogate: 2-Fluorobiphenyl	83.6	Limit: 15-150	% Rec		04/14/25 1438	04/18/25 1358	EPP
Surrogate: 2,4,6-Tribromophenol	116	Limit: 10-156	% Rec		04/14/25 1438	04/18/25 1358	EPP
Surrogate: Terphenyl-dl4	76.4	Limit: 10-179	% Rec		04/14/25 1438	04/18/25 1358	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		04/14/25 1450	04/17/25 0057	EPP
Thionazin	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0057	EPP
Phorate	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0057	EPP
Dimethoate	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0057	EPP
Disulfoton	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0057	EPP
Methyl Parathion	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0057	EPP
Parathion	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0057	EPP
Famphur	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0057	EPP
Surrogate: 2-Nitro-m-xylene	47.7	Limit: 32-110	% Rec		04/14/25 1450	04/17/25 0057	EPP

Determination of Chlorinated Phenoxy Herbicides	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 8151A

2,4-D	<2.0	2.0	ug/L		04/14/25 1435	04/17/25 1600	EPP
2,4,5-TP (Silvex)	<0.5	0.5	ug/L		04/14/25 1435	04/17/25 1600	EPP
2,4,5-T	<0.5	0.5	ug/L		04/14/25 1435	04/17/25 1600	EPP
Dinoseb	<0.5	0.5	ug/L		04/14/25 1435	04/17/25 1600	EPP
Surrogate: 2,5-Dichlorobenzoic Acid	83.7	Limit: 49-174	% Rec		04/14/25 1435	04/17/25 1600	EPP

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 3510C/EPA 8081



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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-7B
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-07

Collected By: Whipple, Todd
Collection Date: 04/07/2025 14:55

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Alpha-BHC	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1436	EPP
Gamma-BHC [Lindane]	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1436	EPP
Beta-BHC	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1436	EPP
Heptachlor	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1436	EPP
Delta-BHC	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1436	EPP
Aldrin	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1436	EPP
Heptachlor Epoxide	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1436	EPP
Endosulfan I	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1436	EPP
4,4'-DDE	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1436	EPP
Dieldrin	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1436	EPP
Endrin	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1436	EPP
4,4'-DDD	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1436	EPP
Endosulfan II	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1436	EPP
4,4'-DDT	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1436	EPP
Endrin Aldehyde	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1436	EPP
Endosulfan Sulfate	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1436	EPP
Methoxychlor	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1436	EPP
Chlordane	<0.10	0.10	ug/L		04/14/25 1448	04/16/25 1436	EPP
Toxaphene	<0.20	0.20	ug/L		04/14/25 1448	04/16/25 1436	EPP
Hexachlorobenzene	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1436	EPP
Surrogate: Tetrachloro-m-xylene	69.6	Limit: 45-111	% Rec		04/14/25 1448	04/16/25 1436	EPP

Determination of Polychlorinated Biphenyls (PCB)	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8082A							
Arochlor 1016	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1436	EPP
Arochlor 1221	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1436	EPP
Arochlor 1232	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1436	EPP
Arochlor 1242	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1436	EPP
Arochlor 1248	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1436	EPP
Arochlor 1254	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1436	EPP
Arochlor 1260	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1436	EPP
Surrogate: Tetrachloro-m-xylene	71.9	Limit: 50-116	% Rec		04/14/25 1447	04/16/25 1436	EPP
Surrogate: Decachlorobiphenyl	45.2	Limit: 38-122	% Rec		04/14/25 1447	04/16/25 1436	EPP

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 376.2							
Sulfide, total	<0.10	0.10	mg/L		04/14/25 1123	04/14/25 1436	AKK
EPA 9014							
Cyanide, total	<0.010	0.010	mg/L		04/10/25 1558	04/17/25 1501	CES

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst



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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-7B
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-07

Collected By: Whipple, Todd
Collection Date: 04/07/2025 14:55

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1458	RVV
Arsenic, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1458	RVV
Barium, total	0.749	0.0010	mg/L		04/28/25 0828	06/20/25 1458	RVV
Beryllium, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1458	RVV
Cadmium, total	<0.0002	0.0002	mg/L		04/28/25 0828	06/20/25 1458	RVV
Chromium, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1458	RVV
Cobalt, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1458	RVV
Copper, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1458	RVV
Lead, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1458	RVV
Nickel, total	0.0109	0.0050	mg/L		04/28/25 0828	06/20/25 1458	RVV
Selenium, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1458	RVV
Silver, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1458	RVV
Thallium, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1458	RVV
Tin, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1458	RVV
Vanadium, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1458	RVV
Zinc, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1458	RVV
EPA 7470A							
Mercury, total	<0.00050	0.00050	mg/L		04/15/25 1311	04/16/25 1237	JAR

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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-8
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-08

Collected By: Whipple, Todd
Collection Date: 04/07/2025 13:48

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Dichlorodifluoromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Chloromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Vinyl Chloride	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Bromomethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Chloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Acrolein	<10.0	10.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Acetone	<10.0	10.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Methyl Iodide	<2.0	2.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Carbon Disulfide	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Acetonitrile	<10.0	10.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Methylene Chloride	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Acrylonitrile	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Vinyl Acetate	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
2,2-Dichloropropane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
2-Butanone (MEK)	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Bromochloromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Chloroform	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
1,1-Dichloropropene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Benzene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Trichloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Dibromomethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Bromodichloromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Toluene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Ethyl Methacrylate	<10.0	10.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
1,3-Dichloropropane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Dibromochloromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM

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CERTIFICATE OF ANALYSIS

11D0938

Client Sample ID: MW-8
Sample Matrix: Aqueous
Lab Sample ID: 11D0938-08

Collected By: Whipple, Todd
Collection Date: 04/07/2025 13:48

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
Chlorobenzene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
1,1,1,2-Tetrachloroethane		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Ethylbenzene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Xylenes, total		<2.0	2.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Styrene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Bromoform		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
1,2,3-Trichloropropane		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
1,3-Dichlorobenzene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
1,2-Dibromo-3-chloropropane		<1.0	1.0	ug/L	Q3	04/15/25 0000	04/15/25 1509	RAF
1,2,4-Trichlorobenzene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1609	CSM
Allyl chloride		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1444	RAF
Chloroprene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1444	RAF
Methacrylonitrile		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1444	RAF
Methyl Methacrylate		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1444	RAF
Propionitrile		<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1444	RAF
Surrogate: Dibromofluoromethane	82.9	Limit: 57-134	% Rec			04/15/25 0000	04/15/25 1509	RAF
Surrogate: Dibromofluoromethane	95.2	Limit: 57-134	% Rec			04/11/25 0000	04/11/25 1609	CSM
Surrogate: Dibromofluoromethane	96.7	Limit: 57-134	% Rec			04/16/25 0000	04/16/25 1444	RAF
Surrogate: 1,2-Dichloroethane-d4	74.3	Limit: 53-140	% Rec			04/15/25 0000	04/15/25 1509	RAF
Surrogate: 1,2-Dichloroethane-d4	86.0	Limit: 53-140	% Rec			04/11/25 0000	04/11/25 1609	CSM
Surrogate: 1,2-Dichloroethane-d4	86.0	Limit: 53-140	% Rec			04/11/25 0000	04/11/25 1609	CSM
Surrogate: 1,2-Dichloroethane-d4	97.4	Limit: 53-140	% Rec			04/16/25 0000	04/16/25 1444	RAF
Surrogate: Toluene-d8	106	Limit: 86-114	% Rec			04/15/25 0000	04/15/25 1509	RAF
Surrogate: Toluene-d8	101	Limit: 86-114	% Rec			04/11/25 0000	04/11/25 1609	CSM
Surrogate: Toluene-d8	101	Limit: 86-114	% Rec			04/11/25 0000	04/11/25 1609	CSM
Surrogate: Toluene-d8	98.8	Limit: 86-114	% Rec			04/16/25 0000	04/16/25 1444	RAF
Surrogate: 4-Bromofluorobenzene	92.6	Limit: 78-121	% Rec			04/11/25 0000	04/11/25 1609	CSM
Surrogate: 4-Bromofluorobenzene	89.0	Limit: 78-121	% Rec			04/15/25 0000	04/15/25 1509	RAF
Surrogate: 4-Bromofluorobenzene	92.6	Limit: 78-121	% Rec			04/11/25 0000	04/11/25 1609	CSM
Surrogate: 4-Bromofluorobenzene	98.9	Limit: 78-121	% Rec			04/16/25 0000	04/16/25 1444	RAF

Determination of General Solvents		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 8015C								
Isobutanol		<1.0	1.0	mg/L		04/09/25 1016	04/15/25 0447	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		04/14/25 1438	04/18/25 1422	EPP
Methyl Methanesulfonate		<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11D0938

Client Sample ID: MW-8
Sample Matrix: Aqueous
Lab Sample ID: 11D0938-08

Collected By: Whipple, Todd
Collection Date: 04/07/2025 13:48

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
N-Nitrosodiethylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
N-Nitrosomethylethylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Ethyl Methanesulfonate	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Phenol	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Bis(2-Chloroethyl) Ether	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
2-Chlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Benzyl Alcohol	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
2-Methylphenol (o-Cresol)	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Bis[2-Chloroisopropyl]ether	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
n-Nitroso-di-n-propylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
N-Nitrosopyrrolidine	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Acetophenone	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
o-Toluidine	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
(3 & 4)-Methylphenol	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Hexachloroethane	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Nitrobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
N-Nitrosopiperidine	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Isophorone	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
2-Nitrophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
2,4-Dimethylphenol	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Bis (2-Chloroethoxy) Methane	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
2,4-Dichlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Naphthalene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
4-Chloroaniline	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
2,6-Dichlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Hexachloropropene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Hexachlorobutadiene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
N-Nitrosodi-n-butylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
1,4-Phenylenediamine	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
4-Chloro-3-methylphenol	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
2-Methylnaphthalene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Isosafrole	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Hexachlorocyclopentadiene	<8	8	ug/L	Q8	04/14/25 1438	04/18/25 1422	EPP
2,4,6-Trichlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
2,4,5-Trichlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Safrole	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
2-Chloronaphthalene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
2-Nitroaniline	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
1,4-Naphthoquinone	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Dimethylphthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
1,3-Dinitrobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
1,2-Dinitrobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-8
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-08

Collected By: Whipple, Todd
Collection Date: 04/07/2025 13:48

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
2,6-Dinitrotoluene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Acenaphthylene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
3-Nitroaniline	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Acenaphthene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
2,4-Dinitrophenol	<8	8	ug/L	Q8	04/14/25 1438	04/18/25 1422	EPP
4-Nitrophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Dibenzofuran	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
2,4-Dinitrotoluene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
2,3,4,6-Tetrachlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Pentachlorobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
1-Naphthylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
2-Naphthylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Diethyl Phthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Fluorene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
4-Chlorophenyl Phenyl Ether	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
4-Nitroaniline	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
5-Nitro-o-toluidine	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
4,6-Dinitro-2-methylphenol	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
N-Nitrosodiphenylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Diphenylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Azobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Diallate	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
1,3,5-Trinitrobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Phenacetin	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
4-Bromophenyl Phenyl Ether	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
4-Aminobiphenyl	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Pentachlorophenol	<8	8	ug/L	Q8	04/14/25 1438	04/18/25 1422	EPP
Pronamide	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Pentachloronitrobenzene (PCNB)	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Phenanthrene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Anthracene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Di-n-butyl Phthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Methapyrilene	<8	8	ug/L	Q8	04/14/25 1438	04/18/25 1422	EPP
Fluoranthene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Isodrin	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Chlorobenzilate	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Pyrene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
p-(Dimethylamino)azobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
3,3-Dimethylbenzidine	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Butyl Benzyl Phthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Benzo(a)anthracene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Chrysene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Bis(2-Ethylhexyl) Phthalate	<6	6	ug/L		04/14/25 1438	04/18/25 1422	EPP



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-8
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-08

Collected By: Whipple, Todd
Collection Date: 04/07/2025 13:48

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst

Kepone	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
3,3'-Dichlorobenzidine	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
2-Acetylaminofluorene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Di-n-octyl Phthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Benzo(b)Fluoranthene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Benzo(k)Fluoranthene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Benzo(a)Pyrene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
3-Methylcholanthrene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Dibenzo(a,h)anthracene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Indeno(1,2,3-cd)Pyrene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Benzo(g,h,i)perylene	<8	8	ug/L		04/14/25 1438	04/18/25 1422	EPP
Surrogate: 2-Fluorophenol	68.8	Limit: 10-159	% Rec		04/14/25 1438	04/18/25 1422	EPP
Surrogate: Phenol-d6	68.1	Limit: 10-162	% Rec		04/14/25 1438	04/18/25 1422	EPP
Surrogate: Nitrobenzene-d5	81.2	Limit: 17-154	% Rec		04/14/25 1438	04/18/25 1422	EPP
Surrogate: 2-Fluorobiphenyl	83.6	Limit: 15-150	% Rec		04/14/25 1438	04/18/25 1422	EPP
Surrogate: 2,4,6-Tribromophenol	113	Limit: 10-156	% Rec		04/14/25 1438	04/18/25 1422	EPP
Surrogate: Terphenyl-dl4	73.6	Limit: 10-179	% Rec		04/14/25 1438	04/18/25 1422	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		04/14/25 1450	04/17/25 0139	EPP
Thionazin	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0139	EPP
Phorate	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0139	EPP
Dimethoate	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0139	EPP
Disulfoton	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0139	EPP
Methyl Parathion	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0139	EPP
Parathion	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0139	EPP
Famphur	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0139	EPP
Surrogate: 2-Nitro-m-xylene	36.4	Limit: 32-110	% Rec		04/14/25 1450	04/17/25 0139	EPP

Determination of Chlorinated Phenoxy Herbicides	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 8151A

2,4-D	<2.0	2.0	ug/L		04/14/25 1435	04/17/25 1631	EPP
2,4,5-TP (Silvex)	<0.5	0.5	ug/L		04/14/25 1435	04/17/25 1631	EPP
2,4,5-T	<0.5	0.5	ug/L		04/14/25 1435	04/17/25 1631	EPP
Dinoseb	<0.5	0.5	ug/L		04/14/25 1435	04/17/25 1631	EPP
Surrogate: 2,5-Dichlorobenzoic Acid	112	Limit: 49-174	% Rec		04/14/25 1435	04/17/25 1631	EPP

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 3510C/EPA 8081



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-8
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-08

Collected By: Whipple, Todd
Collection Date: 04/07/2025 13:48

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Alpha-BHC	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1454	EPP
Gamma-BHC [Lindane]	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1454	EPP
Beta-BHC	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1454	EPP
Heptachlor	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1454	EPP
Delta-BHC	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1454	EPP
Aldrin	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1454	EPP
Heptachlor Epoxide	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1454	EPP
Endosulfan I	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1454	EPP
4,4'-DDE	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1454	EPP
Dieldrin	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1454	EPP
Endrin	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1454	EPP
4,4'-DDD	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1454	EPP
Endosulfan II	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1454	EPP
4,4'-DDT	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1454	EPP
Endrin Aldehyde	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1454	EPP
Endosulfan Sulfate	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1454	EPP
Methoxychlor	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1454	EPP
Chlordane	<0.10	0.10	ug/L		04/14/25 1448	04/16/25 1454	EPP
Toxaphene	<0.20	0.20	ug/L		04/14/25 1448	04/16/25 1454	EPP
Hexachlorobenzene	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1454	EPP
Surrogate: Tetrachloro-m-xylene	52.9	Limit: 45-111	% Rec		04/14/25 1448	04/16/25 1454	EPP

Determination of Polychlorinated Biphenyls (PCB)	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8082A							
Arochlor 1016	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1454	EPP
Arochlor 1221	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1454	EPP
Arochlor 1232	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1454	EPP
Arochlor 1242	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1454	EPP
Arochlor 1248	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1454	EPP
Arochlor 1254	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1454	EPP
Arochlor 1260	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1454	EPP
Surrogate: Tetrachloro-m-xylene	57.8	Limit: 50-116	% Rec		04/14/25 1447	04/16/25 1454	EPP
Surrogate: Decachlorobiphenyl	25.3	Limit: 38-122	% Rec	S2	04/14/25 1447	04/16/25 1454	EPP

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 376.2							
Sulfide, total	<0.30	0.30	mg/L		04/14/25 1123	04/14/25 1436	AKK
EPA 9014							
Cyanide, total	<0.010	0.010	mg/L		04/10/25 1558	04/17/25 1501	CES

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-8
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-08

Collected By: Whipple, Todd
Collection Date: 04/07/2025 13:48

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1500	RVV
Arsenic, total	0.106	0.0020	mg/L		04/28/25 0828	06/20/25 1500	RVV
Barium, total	1.36	0.0010	mg/L		04/28/25 0828	06/20/25 1500	RVV
Beryllium, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1500	RVV
Cadmium, total	0.0026	0.0002	mg/L		04/28/25 0828	06/20/25 1500	RVV
Chromium, total	0.0017	0.0010	mg/L		04/28/25 0828	06/20/25 1500	RVV
Cobalt, total	0.0008	0.0005	mg/L		04/28/25 0828	06/20/25 1500	RVV
Copper, total	0.0067	0.0050	mg/L		04/28/25 0828	06/20/25 1500	RVV
Lead, total	0.0018	0.0010	mg/L		04/28/25 0828	06/20/25 1500	RVV
Nickel, total	0.0073	0.0050	mg/L		04/28/25 0828	06/20/25 1500	RVV
Selenium, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1500	RVV
Silver, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1500	RVV
Thallium, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1500	RVV
Tin, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1500	RVV
Vanadium, total	0.0116	0.0020	mg/L		04/28/25 0828	06/20/25 1500	RVV
Zinc, total	0.145	0.0050	mg/L		04/28/25 0828	06/20/25 1500	RVV
EPA 7470A							
Mercury, total	<0.00050	0.00050	mg/L		04/15/25 1311	04/16/25 1239	JAR

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-9
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-09

Collected By: Whipple, Todd
Collection Date: 04/07/2025 11:20

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Bromomethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Chloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Acetone	<10.0	10.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Chloroform	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Benzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Dibromomethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Toluene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Xylenes, total	<2.0	2.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Styrene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Bromoform	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF

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CERTIFICATE OF ANALYSIS

11D0938

Client Sample ID: MW-9
Sample Matrix: Aqueous
Lab Sample ID: 11D0938-09

Collected By: Whipple, Todd
Collection Date: 04/07/2025 11:20

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1537	RAF
Surrogate: Dibromofluoromethane	79.6	Limit: 57-134	% Rec			04/10/25 0000	04/10/25 1537	RAF
Surrogate: Dibromofluoromethane	79.6	Limit: 75-136	% Rec			04/10/25 0000	04/10/25 1537	RAF
Surrogate: 1,2-Dichloroethane-d4	71.6	Limit: 53-140	% Rec			04/10/25 0000	04/10/25 1537	RAF
Surrogate: 1,2-Dichloroethane-d4	71.6	Limit: 61-142	% Rec			04/10/25 0000	04/10/25 1537	RAF
Surrogate: Toluene-d8	106	Limit: 86-114	% Rec			04/10/25 0000	04/10/25 1537	RAF
Surrogate: Toluene-d8	106	Limit: 82-121	% Rec			04/10/25 0000	04/10/25 1537	RAF
Surrogate: 4-Bromofluorobenzene	91.7	Limit: 78-121	% Rec			04/10/25 0000	04/10/25 1537	RAF
Surrogate: 4-Bromofluorobenzene	91.7	Limit: 80-116	% Rec			04/10/25 0000	04/10/25 1537	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1503	RVV
Arsenic, total	0.0037		0.0020	mg/L		04/28/25 0828	06/20/25 1503	RVV
Barium, total	0.0707		0.0010	mg/L		04/28/25 0828	06/20/25 1503	RVV
Beryllium, total		<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1503	RVV
Cadmium, total		<0.0002	0.0002	mg/L		04/28/25 0828	06/20/25 1503	RVV
Chromium, total		<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1503	RVV
Cobalt, total		<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1503	RVV
Copper, total		<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1503	RVV
Lead, total		<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1503	RVV
Nickel, total		<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1503	RVV
Selenium, total		<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1503	RVV
Silver, total		<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1503	RVV
Thallium, total		<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1503	RVV
Vanadium, total		<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1503	RVV
Zinc, total		<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1503	RVV

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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-10
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-10

Collected By: Whipple, Todd
Collection Date: 04/07/2025 11:45

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Bromomethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Chloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Acetone	<10.0	10.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Chloroform	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Benzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Dibromomethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Toluene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Xylenes, total	<2.0	2.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Styrene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Bromoform	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF

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CERTIFICATE OF ANALYSIS

11D0938

Client Sample ID: MW-10
Sample Matrix: Aqueous
Lab Sample ID: 11D0938-10

Collected By: Whipple, Todd
Collection Date: 04/07/2025 11:45

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1559	RAF
Surrogate: Dibromofluoromethane	84.2	Limit: 57-134	% Rec			04/10/25 0000	04/10/25 1559	RAF
Surrogate: Dibromofluoromethane	84.2	Limit: 75-136	% Rec			04/10/25 0000	04/10/25 1559	RAF
Surrogate: 1,2-Dichloroethane-d4	75.5	Limit: 53-140	% Rec			04/10/25 0000	04/10/25 1559	RAF
Surrogate: 1,2-Dichloroethane-d4	75.5	Limit: 61-142	% Rec			04/10/25 0000	04/10/25 1559	RAF
Surrogate: Toluene-d8	103	Limit: 86-114	% Rec			04/10/25 0000	04/10/25 1559	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec			04/10/25 0000	04/10/25 1559	RAF
Surrogate: 4-Bromofluorobenzene	90.8	Limit: 78-121	% Rec			04/10/25 0000	04/10/25 1559	RAF
Surrogate: 4-Bromofluorobenzene	90.8	Limit: 80-116	% Rec			04/10/25 0000	04/10/25 1559	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1505	RVV
Arsenic, total		<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1505	RVV
Barium, total	0.119		0.0010	mg/L		04/28/25 0828	06/20/25 1505	RVV
Beryllium, total		<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1505	RVV
Cadmium, total	0.0007		0.0002	mg/L		04/28/25 0828	06/20/25 1505	RVV
Chromium, total		<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1505	RVV
Cobalt, total		<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1505	RVV
Copper, total	0.0132		0.0050	mg/L		04/28/25 0828	06/20/25 1505	RVV
Lead, total		<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1505	RVV
Nickel, total		<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1505	RVV
Selenium, total		<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1505	RVV
Silver, total		<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1505	RVV
Thallium, total		<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1505	RVV
Vanadium, total		<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1505	RVV
Zinc, total	0.0093		0.0050	mg/L		04/28/25 0828	06/20/25 1505	RVV

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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-14
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-11

Collected By: Whipple, Todd
Collection Date: 04/07/2025 9:10

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Dichlorodifluoromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Chloromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Vinyl Chloride	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Bromomethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Chloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Acrolein	<10.0	10.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Acetone	<10.0	10.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Methyl Iodide	<2.0	2.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Carbon Disulfide	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Acetonitrile	<10.0	10.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Methylene Chloride	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Acrylonitrile	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Vinyl Acetate	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
2,2-Dichloropropane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
2-Butanone (MEK)	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Bromochloromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Chloroform	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
1,1-Dichloropropene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Benzene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Trichloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Dibromomethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Bromodichloromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Toluene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Ethyl Methacrylate	<10.0	10.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
1,3-Dichloropropane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Dibromochloromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM

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CERTIFICATE OF ANALYSIS

11D0938

Client Sample ID: MW-14
Sample Matrix: Aqueous
Lab Sample ID: 11D0938-11

Collected By: Whipple, Todd
Collection Date: 04/07/2025 9:10

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Chlorobenzene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Ethylbenzene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Xylenes, total	<2.0	2.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Styrene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Bromoform	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
1,3-Dichlorobenzene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L	Q3	04/15/25 0000	04/15/25 1531	RAF
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1631	CSM
Allyl chloride	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1507	RAF
Chloroprene	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1507	RAF
Methacrylonitrile	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1507	RAF
Methyl Methacrylate	<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1507	RAF
Propionitrile	<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1507	RAF
Surrogate: Dibromofluoromethane	96.6	Limit: 57-134	% Rec		04/16/25 0000	04/16/25 1507	RAF
Surrogate: Dibromofluoromethane	79.4	Limit: 57-134	% Rec		04/15/25 0000	04/15/25 1531	RAF
Surrogate: Dibromofluoromethane	94.6	Limit: 57-134	% Rec		04/11/25 0000	04/11/25 1631	CSM
Surrogate: 1,2-Dichloroethane-d4	97.4	Limit: 53-140	% Rec		04/16/25 0000	04/16/25 1507	RAF
Surrogate: 1,2-Dichloroethane-d4	68.1	Limit: 53-140	% Rec		04/15/25 0000	04/15/25 1531	RAF
Surrogate: 1,2-Dichloroethane-d4	85.9	Limit: 53-140	% Rec		04/11/25 0000	04/11/25 1631	CSM
Surrogate: 1,2-Dichloroethane-d4	85.9	Limit: 53-140	% Rec		04/11/25 0000	04/11/25 1631	CSM
Surrogate: Toluene-d8	108	Limit: 86-114	% Rec		04/15/25 0000	04/15/25 1531	RAF
Surrogate: Toluene-d8	98.2	Limit: 86-114	% Rec		04/16/25 0000	04/16/25 1507	RAF
Surrogate: Toluene-d8	97.7	Limit: 86-114	% Rec		04/11/25 0000	04/11/25 1631	CSM
Surrogate: Toluene-d8	97.7	Limit: 86-114	% Rec		04/11/25 0000	04/11/25 1631	CSM
Surrogate: 4-Bromofluorobenzene	99.2	Limit: 78-121	% Rec		04/16/25 0000	04/16/25 1507	RAF
Surrogate: 4-Bromofluorobenzene	87.8	Limit: 78-121	% Rec		04/15/25 0000	04/15/25 1531	RAF
Surrogate: 4-Bromofluorobenzene	91.4	Limit: 78-121	% Rec		04/11/25 0000	04/11/25 1631	CSM
Surrogate: 4-Bromofluorobenzene	91.4	Limit: 78-121	% Rec		04/11/25 0000	04/11/25 1631	CSM

Determination of General Solvents	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 8015C							
Isobutanol	<1.0	1.0	mg/L		04/09/25 1016	04/15/25 0525	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		04/14/25 1438	04/18/25 1447	EPP
Methyl Methanesulfonate	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11D0938

Client Sample ID: MW-14
Sample Matrix: Aqueous
Lab Sample ID: 11D0938-11

Collected By: Whipple, Todd
Collection Date: 04/07/2025 9:10

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
N-Nitrosodiethylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
N-Nitrosomethylethylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Ethyl Methanesulfonate	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Phenol	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Bis(2-Chloroethyl) Ether	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
2-Chlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Benzyl Alcohol	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
2-Methylphenol (o-Cresol)	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Bis[2-Chloroisopropyl]ether	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
n-Nitroso-di-n-propylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
N-Nitrosopyrrolidine	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Acetophenone	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
o-Toluidine	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
(3 & 4)-Methylphenol	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Hexachloroethane	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Nitrobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
N-Nitrosopiperidine	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Isophorone	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
2-Nitrophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
2,4-Dimethylphenol	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Bis (2-Chloroethoxy) Methane	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
2,4-Dichlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Naphthalene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
4-Chloroaniline	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
2,6-Dichlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Hexachloropropene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Hexachlorobutadiene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
N-Nitrosodi-n-butylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
1,4-Phenylenediamine	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
4-Chloro-3-methylphenol	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
2-Methylnaphthalene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Isosafrole	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Hexachlorocyclopentadiene	<8	8	ug/L	Q8	04/14/25 1438	04/18/25 1447	EPP
2,4,6-Trichlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
2,4,5-Trichlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Safrole	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
2-Chloronaphthalene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
2-Nitroaniline	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
1,4-Naphthoquinone	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Dimethylphthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
1,3-Dinitrobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
1,2-Dinitrobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP

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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-14
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-11

Collected By: Whipple, Todd
Collection Date: 04/07/2025 9:10

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
2,6-Dinitrotoluene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Acenaphthylene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
3-Nitroaniline	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Acenaphthene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
2,4-Dinitrophenol	<8	8	ug/L	Q8	04/14/25 1438	04/18/25 1447	EPP
4-Nitrophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Dibenzofuran	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
2,4-Dinitrotoluene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
2,3,4,6-Tetrachlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Pentachlorobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
1-Naphthylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
2-Naphthylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Diethyl Phthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Fluorene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
4-Chlorophenyl Phenyl Ether	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
4-Nitroaniline	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
5-Nitro-o-toluidine	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
4,6-Dinitro-2-methylphenol	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
N-Nitrosodiphenylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Diphenylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Azobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Diallate	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
1,3,5-Trinitrobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Phenacetin	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
4-Bromophenyl Phenyl Ether	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
4-Aminobiphenyl	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Pentachlorophenol	<8	8	ug/L	Q8	04/14/25 1438	04/18/25 1447	EPP
Pronamide	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Pentachloronitrobenzene (PCNB)	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Phenanthrene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Anthracene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Di-n-butyl Phthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Methapyrilene	<8	8	ug/L	Q8	04/14/25 1438	04/18/25 1447	EPP
Fluoranthene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Isodrin	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Chlorobenzilate	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Pyrene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
p-(Dimethylamino)azobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
3,3-Dimethylbenzidine	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Butyl Benzyl Phthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Benzo(a)anthracene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Chrysene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Bis(2-Ethylhexyl) Phthalate	<6	6	ug/L		04/14/25 1438	04/18/25 1447	EPP

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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-14
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-11

Collected By: Whipple, Todd
Collection Date: 04/07/2025 9:10

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst

Kepone	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
3,3'-Dichlorobenzidine	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
2-Acetylaminofluorene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Di-n-octyl Phthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Benzo(b)Fluoranthene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Benzo(k)Fluoranthene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Benzo(a)Pyrene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
3-Methylcholanthrene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Dibenzo(a,h)anthracene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Indeno(1,2,3-cd)Pyrene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Benzo(g,h,i)perylene	<8	8	ug/L		04/14/25 1438	04/18/25 1447	EPP
Surrogate: 2-Fluorophenol	65.4	Limit: 10-159	% Rec		04/14/25 1438	04/18/25 1447	EPP
Surrogate: Phenol-d6	68.1	Limit: 10-162	% Rec		04/14/25 1438	04/18/25 1447	EPP
Surrogate: Nitrobenzene-d5	73.8	Limit: 17-154	% Rec		04/14/25 1438	04/18/25 1447	EPP
Surrogate: 2-Fluorobiphenyl	75.7	Limit: 15-150	% Rec		04/14/25 1438	04/18/25 1447	EPP
Surrogate: 2,4,6-Tribromophenol	105	Limit: 10-156	% Rec		04/14/25 1438	04/18/25 1447	EPP
Surrogate: Terphenyl-dl4	69.5	Limit: 10-179	% Rec		04/14/25 1438	04/18/25 1447	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		04/14/25 1450	04/17/25 0222	EPP
Thionazin	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0222	EPP
Phorate	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0222	EPP
Dimethoate	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0222	EPP
Disulfoton	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0222	EPP
Methyl Parathion	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0222	EPP
Parathion	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0222	EPP
Famphur	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0222	EPP
Surrogate: 2-Nitro-m-xylene	47.5	Limit: 32-110	% Rec		04/14/25 1450	04/17/25 0222	EPP

Determination of Chlorinated Phenoxy Herbicides	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 8151A

2,4-D	<2.0	2.0	ug/L		04/14/25 1435	04/17/25 1701	EPP
2,4,5-TP (Silvex)	<0.5	0.5	ug/L		04/14/25 1435	04/17/25 1701	EPP
2,4,5-T	<0.5	0.5	ug/L		04/14/25 1435	04/17/25 1701	EPP
Dinoseb	<0.5	0.5	ug/L		04/14/25 1435	04/17/25 1701	EPP
Surrogate: 2,5-Dichlorobenzoic Acid	113	Limit: 49-174	% Rec		04/14/25 1435	04/17/25 1701	EPP

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 3510C/EPA 8081



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-14
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-11

Collected By: Whipple, Todd
Collection Date: 04/07/2025 9:10

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Alpha-BHC	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1511	EPP
Gamma-BHC [Lindane]	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1511	EPP
Beta-BHC	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1511	EPP
Heptachlor	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1511	EPP
Delta-BHC	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1511	EPP
Aldrin	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1511	EPP
Heptachlor Epoxide	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1511	EPP
Endosulfan I	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1511	EPP
4,4`-DDE	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1511	EPP
Dieldrin	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1511	EPP
Endrin	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1511	EPP
4,4`-DDD	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1511	EPP
Endosulfan II	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1511	EPP
4,4`-DDT	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1511	EPP
Endrin Aldehyde	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1511	EPP
Endosulfan Sulfate	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1511	EPP
Methoxychlor	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1511	EPP
Chlordane	<0.10	0.10	ug/L		04/14/25 1448	04/16/25 1511	EPP
Toxaphene	<0.20	0.20	ug/L		04/14/25 1448	04/16/25 1511	EPP
Hexachlorobenzene	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1511	EPP
Surrogate: Tetrachloro-m-xylene	59.6	Limit: 45-111	% Rec		04/14/25 1448	04/16/25 1511	EPP

Determination of Polychlorinated Biphenyls (PCB)	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8082A							
Arochlor 1016	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1511	EPP
Arochlor 1221	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1511	EPP
Arochlor 1232	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1511	EPP
Arochlor 1242	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1511	EPP
Arochlor 1248	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1511	EPP
Arochlor 1254	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1511	EPP
Arochlor 1260	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1511	EPP
Surrogate: Tetrachloro-m-xylene	58.9	Limit: 50-116	% Rec		04/14/25 1447	04/16/25 1511	EPP
Surrogate: Decachlorobiphenyl	34.2	Limit: 38-122	% Rec	S2	04/14/25 1447	04/16/25 1511	EPP

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 376.2							
Sulfide, total	<0.30	0.30	mg/L		04/14/25 1123	04/14/25 1436	AKK
EPA 9014							
Cyanide, total	<0.010	0.010	mg/L		04/10/25 1558	04/17/25 1501	CES

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst



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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-14
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-11

Collected By: Whipple, Todd
Collection Date: 04/07/2025 9:10

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1508	RVV
Arsenic, total	0.0031	0.0020	mg/L		04/28/25 0828	06/20/25 1508	RVV
Barium, total	0.236	0.0010	mg/L		04/28/25 0828	06/20/25 1508	RVV
Beryllium, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1508	RVV
Cadmium, total	<0.0002	0.0002	mg/L		04/28/25 0828	06/20/25 1508	RVV
Chromium, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1508	RVV
Cobalt, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1508	RVV
Copper, total	0.0066	0.0050	mg/L		04/28/25 0828	06/20/25 1508	RVV
Lead, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1508	RVV
Nickel, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1508	RVV
Selenium, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1508	RVV
Silver, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1508	RVV
Thallium, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1508	RVV
Tin, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1508	RVV
Vanadium, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1508	RVV
Zinc, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1508	RVV
EPA 7470A							
Mercury, total	<0.00050	0.00050	mg/L		04/15/25 1311	04/16/25 1241	JAR

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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-15
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-12

Collected By: Whipple, Todd
Collection Date: 04/07/2025 14:28

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Dichlorodifluoromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Chloromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Vinyl Chloride	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Bromomethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Chloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Acrolein	<10.0	10.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Acetone	<10.0	10.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Methyl Iodide	<2.0	2.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Carbon Disulfide	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Acetonitrile	<10.0	10.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Methylene Chloride	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Acrylonitrile	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Vinyl Acetate	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
2,2-Dichloropropane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
2-Butanone (MEK)	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Bromochloromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Chloroform	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
1,1-Dichloropropene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Benzene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Trichloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Dibromomethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Bromodichloromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Toluene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Ethyl Methacrylate	<10.0	10.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
1,3-Dichloropropane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Dibromochloromethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM

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CERTIFICATE OF ANALYSIS

11D0938

Client Sample ID: MW-15
Sample Matrix: Aqueous
Lab Sample ID: 11D0938-12

Collected By: Whipple, Todd
Collection Date: 04/07/2025 14:28

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
Chlorobenzene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
1,1,1,2-Tetrachloroethane		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Ethylbenzene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Xylenes, total		<2.0	2.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Styrene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Bromoform		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
1,2,3-Trichloropropane		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
1,3-Dichlorobenzene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
1,2-Dibromo-3-chloropropane		<1.0	1.0	ug/L	Q3	04/15/25 0000	04/15/25 1553	RAF
1,2,4-Trichlorobenzene		<1.0	1.0	ug/L		04/11/25 0000	04/11/25 1653	CSM
Allyl chloride		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1530	RAF
Chloroprene		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1530	RAF
Methacrylonitrile		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1530	RAF
Methyl Methacrylate		<1.0	1.0	ug/L		04/16/25 0000	04/16/25 1530	RAF
Propionitrile		<10.0	10.0	ug/L		04/16/25 0000	04/16/25 1530	RAF
Surrogate: Dibromofluoromethane	96.1	Limit: 57-134	% Rec			04/16/25 0000	04/16/25 1530	RAF
Surrogate: Dibromofluoromethane	89.4	Limit: 57-134	% Rec			04/15/25 0000	04/15/25 1553	RAF
Surrogate: Dibromofluoromethane	99.9	Limit: 57-134	% Rec			04/11/25 0000	04/11/25 1653	CSM
Surrogate: 1,2-Dichloroethane-d4	95.4	Limit: 53-140	% Rec			04/16/25 0000	04/16/25 1530	RAF
Surrogate: 1,2-Dichloroethane-d4	87.5	Limit: 53-140	% Rec			04/11/25 0000	04/11/25 1653	CSM
Surrogate: 1,2-Dichloroethane-d4	80.0	Limit: 53-140	% Rec			04/15/25 0000	04/15/25 1553	RAF
Surrogate: 1,2-Dichloroethane-d4	87.5	Limit: 53-140	% Rec			04/11/25 0000	04/11/25 1653	CSM
Surrogate: Toluene-d8	97.7	Limit: 86-114	% Rec			04/16/25 0000	04/16/25 1530	RAF
Surrogate: Toluene-d8	98.6	Limit: 86-114	% Rec			04/11/25 0000	04/11/25 1653	CSM
Surrogate: Toluene-d8	107	Limit: 86-114	% Rec			04/15/25 0000	04/15/25 1553	RAF
Surrogate: Toluene-d8	98.6	Limit: 86-114	% Rec			04/11/25 0000	04/11/25 1653	CSM
Surrogate: 4-Bromofluorobenzene	99.5	Limit: 78-121	% Rec			04/16/25 0000	04/16/25 1530	RAF
Surrogate: 4-Bromofluorobenzene	88.8	Limit: 78-121	% Rec			04/11/25 0000	04/11/25 1653	CSM
Surrogate: 4-Bromofluorobenzene	89.8	Limit: 78-121	% Rec			04/15/25 0000	04/15/25 1553	RAF
Surrogate: 4-Bromofluorobenzene	88.8	Limit: 78-121	% Rec			04/11/25 0000	04/11/25 1653	CSM

Determination of General Solvents		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 8015C								
Isobutanol		<1.0	1.0	mg/L		04/09/25 1016	04/15/25 0603	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		04/14/25 1438	04/18/25 1511	EPP
Methyl Methanesulfonate		<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11D0938

Client Sample ID: MW-15
Sample Matrix: Aqueous
Lab Sample ID: 11D0938-12

Collected By: Whipple, Todd
Collection Date: 04/07/2025 14:28

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
N-Nitrosodiethylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
N-Nitrosomethylethylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Ethyl Methanesulfonate	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Phenol	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Bis(2-Chloroethyl) Ether	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
2-Chlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Benzyl Alcohol	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
2-Methylphenol (o-Cresol)	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Bis[2-Chloroisopropyl]ether	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
n-Nitroso-di-n-propylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
N-Nitrosopyrrolidine	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Acetophenone	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
o-Toluidine	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
(3 & 4)-Methylphenol	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Hexachloroethane	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Nitrobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
N-Nitrosopiperidine	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Isophorone	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
2-Nitrophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
2,4-Dimethylphenol	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Bis (2-Chloroethoxy) Methane	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
2,4-Dichlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Naphthalene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
4-Chloroaniline	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
2,6-Dichlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Hexachloropropene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Hexachlorobutadiene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
N-Nitrosodi-n-butylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
1,4-Phenylenediamine	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
4-Chloro-3-methylphenol	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
2-Methylnaphthalene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Isosafrole	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Hexachlorocyclopentadiene	<8	8	ug/L	Q8	04/14/25 1438	04/18/25 1511	EPP
2,4,6-Trichlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
2,4,5-Trichlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Safrole	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
2-Chloronaphthalene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
2-Nitroaniline	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
1,4-Naphthoquinone	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Dimethylphthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
1,3-Dinitrobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
1,2-Dinitrobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP

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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-15
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-12

Collected By: Whipple, Todd
Collection Date: 04/07/2025 14:28

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
2,6-Dinitrotoluene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Acenaphthylene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
3-Nitroaniline	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Acenaphthene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
2,4-Dinitrophenol	<8	8	ug/L	Q8	04/14/25 1438	04/18/25 1511	EPP
4-Nitrophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Dibenzofuran	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
2,4-Dinitrotoluene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
2,3,4,6-Tetrachlorophenol	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Pentachlorobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
1-Naphthylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
2-Naphthylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Diethyl Phthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Fluorene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
4-Chlorophenyl Phenyl Ether	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
4-Nitroaniline	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
5-Nitro-o-toluidine	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
4,6-Dinitro-2-methylphenol	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
N-Nitrosodiphenylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Diphenylamine	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Azobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Diallate	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
1,3,5-Trinitrobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Phenacetin	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
4-Bromophenyl Phenyl Ether	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
4-Aminobiphenyl	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Pentachlorophenol	<8	8	ug/L	Q8	04/14/25 1438	04/18/25 1511	EPP
Pronamide	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Pentachloronitrobenzene (PCNB)	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Phenanthrene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Anthracene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Di-n-butyl Phthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Methapyrilene	<8	8	ug/L	Q8	04/14/25 1438	04/18/25 1511	EPP
Fluoranthene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Isodrin	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Chlorobenzilate	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Pyrene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
p-(Dimethylamino)azobenzene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
3,3-Dimethylbenzidine	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Butyl Benzyl Phthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Benzo(a)anthracene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Chrysene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Bis(2-Ethylhexyl) Phthalate	<6	6	ug/L		04/14/25 1438	04/18/25 1511	EPP

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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-15
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-12

Collected By: Whipple, Todd
Collection Date: 04/07/2025 14:28

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst

Kepone	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
3,3'-Dichlorobenzidine	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
2-Acetylaminofluorene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Di-n-octyl Phthalate	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Benzo(b)Fluoranthene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Benzo(k)Fluoranthene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Benzo(a)Pyrene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
3-Methylcholanthrene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Dibenzo(a,h)anthracene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Indeno(1,2,3-cd)Pyrene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Benzo(g,h,i)perylene	<8	8	ug/L		04/14/25 1438	04/18/25 1511	EPP
Surrogate: 2-Fluorophenol	69.5	Limit: 10-159	% Rec		04/14/25 1438	04/18/25 1511	EPP
Surrogate: Phenol-d6	70.8	Limit: 10-162	% Rec		04/14/25 1438	04/18/25 1511	EPP
Surrogate: Nitrobenzene-d5	78.0	Limit: 17-154	% Rec		04/14/25 1438	04/18/25 1511	EPP
Surrogate: 2-Fluorobiphenyl	78.1	Limit: 15-150	% Rec		04/14/25 1438	04/18/25 1511	EPP
Surrogate: 2,4,6-Tribromophenol	104	Limit: 10-156	% Rec		04/14/25 1438	04/18/25 1511	EPP
Surrogate: Terphenyl-dl4	50.3	Limit: 10-179	% Rec		04/14/25 1438	04/18/25 1511	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		04/14/25 1450	04/17/25 0304	EPP
Thionazin	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0304	EPP
Phorate	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0304	EPP
Dimethoate	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0304	EPP
Disulfoton	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0304	EPP
Methyl Parathion	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0304	EPP
Parathion	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0304	EPP
Famphur	<0.4	0.4	ug/L		04/14/25 1450	04/17/25 0304	EPP
Surrogate: 2-Nitro-m-xylene	45.0	Limit: 32-110	% Rec		04/14/25 1450	04/17/25 0304	EPP

Determination of Chlorinated Phenoxy Herbicides	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 8151A

2,4-D	<2.0	2.0	ug/L		04/14/25 1435	04/17/25 1731	EPP
2,4,5-TP (Silvex)	<0.5	0.5	ug/L		04/14/25 1435	04/17/25 1731	EPP
2,4,5-T	<0.5	0.5	ug/L		04/14/25 1435	04/17/25 1731	EPP
Dinoseb	<0.5	0.5	ug/L		04/14/25 1435	04/17/25 1731	EPP
Surrogate: 2,5-Dichlorobenzoic Acid	95.9	Limit: 49-174	% Rec		04/14/25 1435	04/17/25 1731	EPP

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 3510C/EPA 8081



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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-15
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-12

Collected By: Whipple, Todd
Collection Date: 04/07/2025 14:28

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Alpha-BHC	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1528	EPP
Gamma-BHC [Lindane]	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1528	EPP
Beta-BHC	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1528	EPP
Heptachlor	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1528	EPP
Delta-BHC	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1528	EPP
Aldrin	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1528	EPP
Heptachlor Epoxide	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1528	EPP
Endosulfan I	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1528	EPP
4,4'-DDE	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1528	EPP
Dieldrin	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1528	EPP
Endrin	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1528	EPP
4,4'-DDD	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1528	EPP
Endosulfan II	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1528	EPP
4,4'-DDT	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1528	EPP
Endrin Aldehyde	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1528	EPP
Endosulfan Sulfate	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1528	EPP
Methoxychlor	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1528	EPP
Chlordane	<0.10	0.10	ug/L		04/14/25 1448	04/16/25 1528	EPP
Toxaphene	<0.20	0.20	ug/L		04/14/25 1448	04/16/25 1528	EPP
Hexachlorobenzene	<0.05	0.05	ug/L		04/14/25 1448	04/16/25 1528	EPP
Surrogate: Tetrachloro-m-xylene	64.3	Limit: 45-111	% Rec		04/14/25 1448	04/16/25 1528	EPP

Determination of Polychlorinated Biphenyls (PCB)	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8082A							
Arochlor 1016	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1528	EPP
Arochlor 1221	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1528	EPP
Arochlor 1232	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1528	EPP
Arochlor 1242	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1528	EPP
Arochlor 1248	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1528	EPP
Arochlor 1254	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1528	EPP
Arochlor 1260	<0.20	0.20	ug/L		04/14/25 1447	04/16/25 1528	EPP
Surrogate: Tetrachloro-m-xylene	66.0	Limit: 50-116	% Rec		04/14/25 1447	04/16/25 1528	EPP
Surrogate: Decachlorobiphenyl	34.3	Limit: 38-122	% Rec	S2	04/14/25 1447	04/16/25 1528	EPP

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 376.2							
Sulfide, total	<0.30	0.30	mg/L		04/14/25 1123	04/14/25 1436	AKK
EPA 9014							
Cyanide, total	<0.010	0.010	mg/L		04/10/25 1558	04/17/25 1501	CES

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst



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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-15
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-12

Collected By: Whipple, Todd
Collection Date: 04/07/2025 14:28

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1510	RVV
Arsenic, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1510	RVV
Barium, total	0.118	0.0010	mg/L		04/28/25 0828	06/20/25 1510	RVV
Beryllium, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1510	RVV
Cadmium, total	0.0002	0.0002	mg/L		04/28/25 0828	06/20/25 1510	RVV
Chromium, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1510	RVV
Cobalt, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1510	RVV
Copper, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1510	RVV
Lead, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1510	RVV
Nickel, total	0.0160	0.0050	mg/L		04/28/25 0828	06/20/25 1510	RVV
Selenium, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1510	RVV
Silver, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1510	RVV
Thallium, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1510	RVV
Tin, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1510	RVV
Vanadium, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1510	RVV
Zinc, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1510	RVV
EPA 7470A							
Mercury, total	<0.00050	0.00050	mg/L		04/15/25 1311	04/16/25 1244	JAR

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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: MW-16
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-13

Collected By: Whipple, Todd
Collection Date: 04/07/2025 10:50

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Bromomethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Chloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Acetone	<10.0	10.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Chloroform	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Benzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Dibromomethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Toluene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Xylenes, total	<2.0	2.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Styrene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Bromoform	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF

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CERTIFICATE OF ANALYSIS

11D0938

Client Sample ID: MW-16
Sample Matrix: Aqueous
Lab Sample ID: 11D0938-13

Collected By: Whipple, Todd
Collection Date: 04/07/2025 10:50

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1622	RAF
Surrogate: Dibromofluoromethane	82.9	Limit: 57-134	% Rec			04/10/25 0000	04/10/25 1622	RAF
Surrogate: Dibromofluoromethane	82.9	Limit: 75-136	% Rec			04/10/25 0000	04/10/25 1622	RAF
Surrogate: 1,2-Dichloroethane-d4	78.6	Limit: 53-140	% Rec			04/10/25 0000	04/10/25 1622	RAF
Surrogate: 1,2-Dichloroethane-d4	78.6	Limit: 61-142	% Rec			04/10/25 0000	04/10/25 1622	RAF
Surrogate: Toluene-d8	103	Limit: 86-114	% Rec			04/10/25 0000	04/10/25 1622	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec			04/10/25 0000	04/10/25 1622	RAF
Surrogate: 4-Bromofluorobenzene	91.9	Limit: 78-121	% Rec			04/10/25 0000	04/10/25 1622	RAF
Surrogate: 4-Bromofluorobenzene	91.9	Limit: 80-116	% Rec			04/10/25 0000	04/10/25 1622	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1513	RVV
Arsenic, total		<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1513	RVV
Barium, total	0.564		0.0010	mg/L		04/28/25 0828	06/20/25 1513	RVV
Beryllium, total		<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1513	RVV
Cadmium, total	0.0002		0.0002	mg/L		04/28/25 0828	06/20/25 1513	RVV
Chromium, total	0.0012		0.0010	mg/L		04/28/25 0828	06/20/25 1513	RVV
Cobalt, total	0.0007		0.0005	mg/L		04/28/25 0828	06/20/25 1513	RVV
Copper, total		<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1513	RVV
Lead, total		<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1513	RVV
Nickel, total	0.0125		0.0050	mg/L		04/28/25 0828	06/20/25 1513	RVV
Selenium, total		<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1513	RVV
Silver, total		<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1513	RVV
Thallium, total		<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1513	RVV
Vanadium, total		<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1513	RVV
Zinc, total	0.0097		0.0050	mg/L		04/28/25 0828	06/20/25 1513	RVV

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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: GU-1
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-14

Collected By: Whipple, Todd
Collection Date: 04/07/2025 11:30

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Bromomethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Chloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Acetone	<10.0	10.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Chloroform	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Benzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Dibromomethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Toluene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Xylenes, total	<2.0	2.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Styrene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Bromoform	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF

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CERTIFICATE OF ANALYSIS

11D0938

Client Sample ID: GU-1
Sample Matrix: Aqueous
Lab Sample ID: 11D0938-14

Collected By: Whipple, Todd
Collection Date: 04/07/2025 11:30

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1644	RAF
Surrogate: Dibromofluoromethane	75.9	Limit: 57-134	% Rec			04/10/25 0000	04/10/25 1644	RAF
Surrogate: Dibromofluoromethane	75.9	Limit: 75-136	% Rec			04/10/25 0000	04/10/25 1644	RAF
Surrogate: 1,2-Dichloroethane-d4	70.3	Limit: 61-142	% Rec			04/10/25 0000	04/10/25 1644	RAF
Surrogate: 1,2-Dichloroethane-d4	70.3	Limit: 53-140	% Rec			04/10/25 0000	04/10/25 1644	RAF
Surrogate: Toluene-d8	105	Limit: 86-114	% Rec			04/10/25 0000	04/10/25 1644	RAF
Surrogate: Toluene-d8	105	Limit: 82-121	% Rec			04/10/25 0000	04/10/25 1644	RAF
Surrogate: 4-Bromofluorobenzene	90.3	Limit: 80-116	% Rec			04/10/25 0000	04/10/25 1644	RAF
Surrogate: 4-Bromofluorobenzene	90.3	Limit: 78-121	% Rec			04/10/25 0000	04/10/25 1644	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1515	RVV
Arsenic, total		<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1515	RVV
Barium, total	0.509		0.0010	mg/L		04/28/25 0828	06/20/25 1515	RVV
Beryllium, total		<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1515	RVV
Cadmium, total		<0.0002	0.0002	mg/L		04/28/25 0828	06/20/25 1515	RVV
Chromium, total		<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1515	RVV
Cobalt, total		<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1515	RVV
Copper, total		<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1515	RVV
Lead, total		<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1515	RVV
Nickel, total	0.0093		0.0050	mg/L		04/28/25 0828	06/20/25 1515	RVV
Selenium, total		<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1515	RVV
Silver, total		<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1515	RVV
Thallium, total		<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1515	RVV
Vanadium, total		<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1515	RVV
Zinc, total		<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1515	RVV

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CERTIFICATE OF ANALYSIS

1ID0938

Client Sample ID: GU-2
Sample Matrix: Aqueous
Lab Sample ID: 1ID0938-15

Collected By: Whipple, Todd
Collection Date: 04/07/2025 10:35

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Vinyl Chloride	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Bromomethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Chloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Acetone	<10.0	10.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Methyl Iodide	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Carbon Disulfide	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Methylene Chloride	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Acrylonitrile	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Vinyl Acetate	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Bromochloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Chloroform	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Benzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Trichloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Dibromomethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Bromodichloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Toluene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Dibromochloromethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Chlorobenzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Ethylbenzene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Xylenes, total	<2.0	2.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Styrene	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Bromoform	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF

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CERTIFICATE OF ANALYSIS

11D0938

Client Sample ID: GU-2
Sample Matrix: Aqueous
Lab Sample ID: 11D0938-15

Collected By: Whipple, Todd
Collection Date: 04/07/2025 10:35

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		04/10/25 0000	04/10/25 1707	RAF
Surrogate: Dibromofluoromethane	79.8	Limit: 75-136	% Rec			04/10/25 0000	04/10/25 1707	RAF
Surrogate: Dibromofluoromethane	79.8	Limit: 57-134	% Rec			04/10/25 0000	04/10/25 1707	RAF
Surrogate: 1,2-Dichloroethane-d4	74.4	Limit: 53-140	% Rec			04/10/25 0000	04/10/25 1707	RAF
Surrogate: 1,2-Dichloroethane-d4	74.4	Limit: 61-142	% Rec			04/10/25 0000	04/10/25 1707	RAF
Surrogate: Toluene-d8	104	Limit: 82-121	% Rec			04/10/25 0000	04/10/25 1707	RAF
Surrogate: Toluene-d8	104	Limit: 86-114	% Rec			04/10/25 0000	04/10/25 1707	RAF
Surrogate: 4-Bromofluorobenzene	90.2	Limit: 80-116	% Rec			04/10/25 0000	04/10/25 1707	RAF
Surrogate: 4-Bromofluorobenzene	90.2	Limit: 78-121	% Rec			04/10/25 0000	04/10/25 1707	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1518	RVV
Arsenic, total		<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1518	RVV
Barium, total	0.223		0.0010	mg/L		04/28/25 0828	06/20/25 1518	RVV
Beryllium, total		<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1518	RVV
Cadmium, total		<0.0002	0.0002	mg/L		04/28/25 0828	06/20/25 1518	RVV
Chromium, total		<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1518	RVV
Cobalt, total		<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1518	RVV
Copper, total		<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1518	RVV
Lead, total		<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1518	RVV
Nickel, total		<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1518	RVV
Selenium, total	0.0020		0.0020	mg/L		04/28/25 0828	06/20/25 1518	RVV
Silver, total		<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1518	RVV
Thallium, total		<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1518	RVV
Vanadium, total		<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1518	RVV
Zinc, total	0.0211		0.0050	mg/L		04/28/25 0828	06/20/25 1518	RVV

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CERTIFICATE OF ANALYSIS

11D0938

Client Sample ID:	Duplicate	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	04/07/2025
Lab Sample ID:	11D0938-16		

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1526	RVV
Arsenic, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1526	RVV
Barium, total	0.0509	0.0010	mg/L		04/28/25 0828	06/20/25 1526	RVV
Beryllium, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1526	RVV
Cadmium, total	0.0056	0.0002	mg/L		04/28/25 0828	06/20/25 1526	RVV
Chromium, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1526	RVV
Cobalt, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1526	RVV
Copper, total	0.0102	0.0050	mg/L		04/28/25 0828	06/20/25 1526	RVV
Lead, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1526	RVV
Nickel, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1526	RVV
Selenium, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1526	RVV
Silver, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1526	RVV
Thallium, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1526	RVV
Vanadium, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1526	RVV
Zinc, total	0.0089	0.0050	mg/L		04/28/25 0828	06/20/25 1526	RVV

Client Sample ID:	MW-13 (up)	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	04/07/2025 12:50
Lab Sample ID:	11D0938-17		

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1528	RVV
Arsenic, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1528	RVV
Barium, total	0.0383	0.0010	mg/L		04/28/25 0828	06/20/25 1528	RVV
Beryllium, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1528	RVV
Cadmium, total	0.0002	0.0002	mg/L		04/28/25 0828	06/20/25 1528	RVV
Chromium, total	0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1528	RVV
Cobalt, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1528	RVV
Copper, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1528	RVV
Lead, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1528	RVV
Nickel, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1528	RVV
Selenium, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1528	RVV
Silver, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1528	RVV
Thallium, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1528	RVV
Vanadium, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1528	RVV
Zinc, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1528	RVV

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CERTIFICATE OF ANALYSIS

11D0938

Client Sample ID: MW-18 (up)
Sample Matrix: Aqueous
Lab Sample ID: 11D0938-18

Collected By: Whipple, Todd
Collection Date: 04/07/2025 12:25

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1531	RVV
Arsenic, total	0.0062	0.0020	mg/L		04/28/25 0828	06/20/25 1531	RVV
Barium, total	0.0551	0.0010	mg/L		04/28/25 0828	06/20/25 1531	RVV
Beryllium, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1531	RVV
Cadmium, total	<0.0002	0.0002	mg/L		04/28/25 0828	06/20/25 1531	RVV
Chromium, total	0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1531	RVV
Cobalt, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1531	RVV
Copper, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1531	RVV
Lead, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1531	RVV
Nickel, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1531	RVV
Selenium, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1531	RVV
Silver, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1531	RVV
Thallium, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1531	RVV
Vanadium, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1531	RVV
Zinc, total	0.0055	0.0050	mg/L		04/28/25 0828	06/20/25 1531	RVV

Client Sample ID: MW-19 (up)
Sample Matrix: Aqueous
Lab Sample ID: 11D0938-19

Collected By: Whipple, Todd
Collection Date: 04/07/2025 12:21

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1533	RVV
Arsenic, total	0.0026	0.0020	mg/L		04/28/25 0828	06/20/25 1533	RVV
Barium, total	0.217	0.0010	mg/L		04/28/25 0828	06/20/25 1533	RVV
Beryllium, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1533	RVV
Cadmium, total	<0.0002	0.0002	mg/L		04/28/25 0828	06/20/25 1533	RVV
Chromium, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1533	RVV
Cobalt, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1533	RVV
Copper, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1533	RVV
Lead, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1533	RVV
Nickel, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1533	RVV
Selenium, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1533	RVV
Silver, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1533	RVV
Thallium, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1533	RVV
Vanadium, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1533	RVV
Zinc, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1533	RVV



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CERTIFICATE OF ANALYSIS

11D0938

Client Sample ID:	MW-20 (up)	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	04/07/2025 12:07
Lab Sample ID:	11D0938-20		

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1536	RVV
Arsenic, total	0.0041	0.0020	mg/L		04/28/25 0828	06/20/25 1536	RVV
Barium, total	0.122	0.0010	mg/L		04/28/25 0828	06/20/25 1536	RVV
Beryllium, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1536	RVV
Cadmium, total	<0.0002	0.0002	mg/L		04/28/25 0828	06/20/25 1536	RVV
Chromium, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1536	RVV
Cobalt, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1536	RVV
Copper, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1536	RVV
Lead, total	<0.0010	0.0010	mg/L		04/28/25 0828	06/20/25 1536	RVV
Nickel, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1536	RVV
Selenium, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1536	RVV
Silver, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1536	RVV
Thallium, total	<0.0005	0.0005	mg/L		04/28/25 0828	06/20/25 1536	RVV
Vanadium, total	<0.0020	0.0020	mg/L		04/28/25 0828	06/20/25 1536	RVV
Zinc, total	<0.0050	0.0050	mg/L		04/28/25 0828	06/20/25 1536	RVV

Client Sample ID:	MW-21 (up)	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	04/07/2025 12:03
Lab Sample ID:	11D0938-21		

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		04/28/25 1606	06/20/25 1635	RVV
Arsenic, total	<0.0020	0.0020	mg/L		04/28/25 1606	06/20/25 1635	RVV
Barium, total	0.212	0.0010	mg/L		04/28/25 1606	06/20/25 1635	RVV
Beryllium, total	<0.0005	0.0005	mg/L		04/28/25 1606	06/20/25 1635	RVV
Cadmium, total	<0.0002	0.0002	mg/L		04/28/25 1606	06/20/25 1635	RVV
Chromium, total	<0.0010	0.0010	mg/L		04/28/25 1606	06/20/25 1635	RVV
Cobalt, total	<0.0005	0.0005	mg/L		04/28/25 1606	06/20/25 1635	RVV
Copper, total	<0.0050	0.0050	mg/L		04/28/25 1606	06/20/25 1635	RVV
Lead, total	<0.0010	0.0010	mg/L		04/28/25 1606	06/20/25 1635	RVV
Nickel, total	<0.0050	0.0050	mg/L		04/28/25 1606	06/20/25 1635	RVV
Selenium, total	<0.0020	0.0020	mg/L		04/28/25 1606	06/20/25 1635	RVV
Silver, total	<0.0050	0.0050	mg/L		04/28/25 1606	06/20/25 1635	RVV
Thallium, total	<0.0005	0.0005	mg/L		04/28/25 1606	06/20/25 1635	RVV
Vanadium, total	<0.0020	0.0020	mg/L		04/28/25 1606	06/20/25 1635	RVV
Zinc, total	<0.0050	0.0050	mg/L		04/28/25 1606	06/20/25 1635	RVV

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CERTIFICATE OF ANALYSIS

1ID0938

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 8015C	1ID0448	1ID0448-BS1	
		1ID0448-BLK1	
		1ID0938-05	MW-6B
		1ID0938-06	MW-7A
		1ID0938-07	MW-7B
		1ID0938-08	MW-8
		1ID0938-11	MW-14
		1ID0938-12	MW-15
		1ID0448-MS1	1ID0938-05
		1ID0448-MSD1	1ID0938-05
Method	Batch	Laboratory ID	Client / Source ID
EPA 9014	1ID0572	1ID0938-06	MW-7A
		1ID0572-MSD1	1ID0938-05
		1ID0572-MS1	1ID0938-05
		1ID0938-08	MW-8
		1ID0938-11	MW-14
		1ID0938-07	MW-7B
		1ID0938-05	MW-6B
		1ID0938-12	MW-15
		1ID0572-BS1	
		1ID0572-BLK1	
Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1ID0589	1ID0589-BS1	
		1ID0589-BSD1	
		1ID0589-BLK1	
		1ID0938-01	MW-11 (up)
		1ID0938-02	MW-12 (up)
		1ID0938-03	MW-17 (up)
		1ID0938-04	MW-3AR
		1ID0938-09	MW-9
		1ID0938-10	MW-10
		1ID0938-13	MW-16
		1ID0938-14	GU-1
		1ID0938-15	GU-2
		1ID0589-MS1	1ID0938-01
		1ID0589-MSD1	1ID0938-01
Method	Batch	Laboratory ID	Client / Source ID

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CERTIFICATE OF ANALYSIS

1ID0938

EPA 8260D

1ID0673

1ID0673-BS1

1ID0673-BSD1

1ID0673-BLK1

1ID0938-05

MW-6B

1ID0938-06

MW-7A

1ID0938-07

MW-7B

1ID0938-08

MW-8

1ID0938-11

MW-14

1ID0938-12

MW-15

1ID0673-MS1

1ID0938-05

1ID0673-MSD1

1ID0938-05

Method	Batch	Laboratory ID	Client / Source ID
EPA 376.2	1ID0687	1ID0687-MSD1	1ID0938-05
		1ID0687-MS1	1ID0938-05
		1ID0687-BS1	
		1ID0938-07	MW-7B
		1ID0938-06	MW-7A
		1ID0938-11	MW-14
		1ID0687-BLK1	
		1ID0938-12	MW-15
		1ID0938-05	MW-6B
		1ID0938-08	MW-8
Method	Batch	Laboratory ID	Client / Source ID
EPA 8151A	1ID0708	1ID0708-BLK1	
		1ID0938-05	MW-6B
		1ID0938-06	MW-7A
		1ID0938-07	MW-7B
		1ID0938-08	MW-8
		1ID0938-11	MW-14
		1ID0938-12	MW-15
		1ID0708-BS1	
		1ID0708-BSD1	
Method	Batch	Laboratory ID	Client / Source ID
EPA 8270C	1ID0709	1ID0709-BLK1	
		1ID0709-BS1	
		1ID0709-BSD1	
		1ID0938-05	MW-6B
		1ID0938-06	MW-7A
		1ID0938-07	MW-7B
		1ID0938-08	MW-8
		1ID0938-11	MW-14

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CERTIFICATE OF ANALYSIS

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EPA 8270C	1ID0709	1ID0938-12	MW-15
Method	Batch	Laboratory ID	Client / Source ID
EPA 8082A	1ID0711	1ID0711-BLK1	
		1ID0938-05	MW-6B
		1ID0938-06	MW-7A
		1ID0938-07	MW-7B
		1ID0938-08	MW-8
		1ID0938-11	MW-14
		1ID0938-12	MW-15
		1ID0711-BS1	
		1ID0711-BSD1	
Method	Batch	Laboratory ID	Client / Source ID
EPA 8081	1ID0712	1ID0712-BLK1	
		1ID0712-BS1	
		1ID0712-BSD1	
		1ID0938-05	MW-6B
		1ID0938-06	MW-7A
		1ID0938-07	MW-7B
		1ID0938-08	MW-8
		1ID0938-11	MW-14
		1ID0938-12	MW-15
Method	Batch	Laboratory ID	Client / Source ID
EPA 8141	1ID0713	1ID0713-BLK1	
		1ID0938-05	MW-6B
		1ID0938-06	MW-7A
		1ID0938-07	MW-7B
		1ID0938-08	MW-8
		1ID0938-11	MW-14
		1ID0938-12	MW-15
		1ID0713-BS1	
		1ID0713-BSD1	
Method	Batch	Laboratory ID	Client / Source ID
EPA 7470A	1ID0783	1ID0783-BLK1	
		1ID0783-BS1	
		1ID0783-MS1	1ID0700-01
		1ID0783-MSD1	1ID0700-01
		1ID0938-05	MW-6B
		1ID0938-06	MW-7A
		1ID0938-07	MW-7B
		1ID0938-08	MW-8

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EPA 7470A	1ID0783	1ID0938-11	MW-14
		1ID0938-12	MW-15

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1ID0825	1ID0825-BS1	
		1ID0825-BSD1	
		1ID0825-BLK1	
		1ID0938-05RE1	MW-6B
		1ID0938-06RE1	MW-7A
		1ID0938-07RE1	MW-7B
		1ID0938-08RE1	MW-8
		1ID0938-11RE1	MW-14
		1ID0938-12RE1	MW-15
		1ID0825-MS1	1ID0938-05RE1
		1ID0825-MSD1	1ID0938-05RE1

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1ID0921	1ID0921-BS1	
		1ID0921-BSD1	
		1ID0921-BLK1	
		1ID0938-05	MW-6B
		1ID0938-06	MW-7A
		1ID0938-07	MW-7B
		1ID0938-08	MW-8
		1ID0938-11	MW-14
		1ID0938-12	MW-15
		1ID0921-MS1	1ID0938-06
		1ID0921-MSD1	1ID0938-06

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1ID1437	1ID1437-BLK1	
		1ID1437-BS1	
		1ID0938-01	MW-11 (up)
		1ID1437-MS1	1ID0938-01
		1ID1437-MSD1	1ID0938-01
		1ID1437-PS1	1ID0938-01
		1ID0938-02	MW-12 (up)
		1ID0938-03	MW-17 (up)
		1ID0938-04	MW-3AR
		1ID0938-05	MW-6B
		1ID0938-06	MW-7A
		1ID0938-07	MW-7B
		1ID0938-08	MW-8
		1ID0938-09	MW-9

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CERTIFICATE OF ANALYSIS

1ID0938

EPA 6020A	1ID1437	1ID0938-10	MW-10
		1ID0938-11	MW-14
		1ID0938-12	MW-15
		1ID0938-13	MW-16
		1ID0938-14	GU-1
		1ID0938-15	GU-2
		1ID0938-16	Duplicate
		1ID0938-17	MW-13 (up)
		1ID0938-18	MW-18 (up)
		1ID0938-19	MW-19 (up)
		1ID0938-20	MW-20 (up)

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1ID1489	1ID1489-BLK1	
		1ID1489-BS1	
		1ID1489-MS1	1ID1083-01
		1ID1489-MSD1	1ID1083-01
		1ID1489-PS1	1ID1083-01
		1ID0938-21	MW-21 (up)

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1IF1340	1IF1340-BLK1	
		1IF1340-BS1	
		1ID0938-02RE1	MW-12 (up)
		1IF1340-MS1	1ID0938-06RE1
		1IF1340-MSD1	1ID0938-06RE1
		1IF1340-PS1	1ID0938-06RE1

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1IG0146	1IG0146-BLK1	
		1IG0146-BS1	
		1IG0146-MS1	1ID0938-04RE1
		1IG0146-MSD1	1ID0938-04RE1
		1IG0146-PS1	1ID0938-04RE1

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 1ID0589 - EPA 5030B - EPA 8260D										
Blank (1ID0589-BLK1)				Prepared: 04/10/25 00:00 Analyzed: 04/10/25 11:53						
Chloromethane	<1.0	1.0	ug/L							
Vinyl Chloride	<1.0	1.0	ug/L							
Bromomethane	<1.0	1.0	ug/L							



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1ID0938

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0589 - EPA 5030B - EPA 8260D										
Blank (1ID0589-BLK1)				Prepared: 04/10/25 00:00 Analyzed: 04/10/25 11:53						
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							
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							

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CERTIFICATE OF ANALYSIS

11D0938

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11D0589 - EPA 5030B - EPA 8260D									
Blank (11D0589-BLK1)									
Prepared: 04/10/25 00:00 Analyzed: 04/10/25 11:53									
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L						
Surrogate: Dibromofluoromethane	41.4		ug/L	50.2		82.6 57-134			
Surrogate: Dibromofluoromethane	41.4		ug/L	50.2		82.6 75-136			
Surrogate: 1,2-Dichloroethane-d4	38.9		ug/L	50.1		77.8 53-140			
Surrogate: 1,2-Dichloroethane-d4	38.9		ug/L	50.1		77.8 61-142			
Surrogate: Toluene-d8	53.5		ug/L	50.4		106 86-114			
Surrogate: Toluene-d8	53.5		ug/L	50.4		106 82-121			
Surrogate: 4-Bromofluorobenzene	46.8		ug/L	50.1		93.4 78-121			
Surrogate: 4-Bromofluorobenzene	46.8		ug/L	50.1		93.4 80-116			
LCS (11D0589-BS1)									
Prepared: 04/10/25 00:00 Analyzed: 04/10/25 10:46									
Chloromethane	28.91	1.0	ug/L	30.3		95.3 63-155			
Vinyl Chloride	28.98	1.0	ug/L	30.2		95.8 70-154			
Bromomethane	27.63	1.0	ug/L	30.1		91.7 52-176			
Chloroethane	29.66	1.0	ug/L	30.3		97.8 72-148			
Trichlorofluoromethane	30.75	1.0	ug/L	30.3		101 70-152			
1,1-Dichloroethylene	58.13	1.0	ug/L	50.1		116 70-148			
Acetone	119.5	10.0	ug/L	100		120 43-172			
Methyl Iodide	100.7	1.0	ug/L	100		101 69-170			
Carbon Disulfide	105.4	1.0	ug/L	100		105 72-162			
Methylene Chloride	48.34	5.0	ug/L	50.1		96.5 68-142			
Acrylonitrile	51.59	5.0	ug/L	50.2		103 56-135			
trans-1,2-Dichloroethylene	55.64	1.0	ug/L	50.1		111 66-148			
1,1-Dichloroethane	54.25	1.0	ug/L	50.1		108 66-143			
Vinyl Acetate	158.9	5.0	ug/L	140		114 43-153			
cis-1,2-Dichloroethylene	53.78	1.0	ug/L	50.4		107 71-149			
2-Butanone (MEK)	99.73	10.0	ug/L	100		99.7 52-159			
Bromochloromethane	54.77	1.0	ug/L	50.4		109 69-143			
Chloroform	53.19	1.0	ug/L	50.1		106 69-144			
1,1,1-Trichloroethane	55.30	1.0	ug/L	50.1		110 62-129			
Carbon Tetrachloride	53.82	1.0	ug/L	50.1		107 63-141			
Benzene	47.12	1.0	ug/L	50.4		93.4 71-134			
1,2-Dichloroethane	51.93	1.0	ug/L	50.1		104 72-132			
Trichloroethylene	49.35	1.0	ug/L	50.1		98.5 71-135			
1,2-Dichloropropane	48.79	1.0	ug/L	50.1		97.4 69-136			
Dibromomethane	51.65	1.0	ug/L	50.4		103 73-147			
Bromodichloromethane	52.72	1.0	ug/L	50.1		105 68-129			
cis-1,3-Dichloropropene	49.97	1.0	ug/L	50.1		99.8 65-134			
4-Methyl-2-pentanone (MIBK)	105.6	5.0	ug/L	100		106 58-147			
Toluene	51.96	1.0	ug/L	50.5		103 72-133			
trans-1,3-Dichloropropene	49.51	1.0	ug/L	50.1		98.9 67-130			
1,1,2-Trichloroethane	44.70	1.0	ug/L	50.1		89.2 69-135			
Tetrachloroethylene	47.03	1.0	ug/L	50.1		93.9 69-130			
2-Hexanone (MBK)	106.5	5.0	ug/L	100		107 55-144			

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CERTIFICATE OF ANALYSIS

1ID0938

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0589 - EPA 5030B - EPA 8260D										
LCS (1ID0589-BS1)										
Prepared: 04/10/25 00:00 Analyzed: 04/10/25 10:46										
Dibromochloromethane	48.84	1.0	ug/L	50.1		97.5	73-127			
1,2-Dibromoethane	49.48	1.0	ug/L	50.2		98.5	67-132			
Chlorobenzene	46.13	1.0	ug/L	50.1		92.1	72-123			
1,1,1,2-Tetrachloroethane	44.67	1.0	ug/L	50.3		88.7	73-127			
Ethylbenzene	49.82	1.0	ug/L	50.2		99.3	71-127			
Xylenes, total	149.7	2.0	ug/L	151		99.1	74-127			
Styrene	50.67	1.0	ug/L	50.4		101	66-126			
Bromoform	46.22	1.0	ug/L	50.1		92.2	68-130			
1,2,3-Trichloropropane	40.93	1.0	ug/L	50.3		81.3	63-136			
trans-1,4-Dichloro-2-butene	95.53	5.0	ug/L	100		95.5	54-134			
1,1,2,2-Tetrachloroethane	46.86	1.0	ug/L	50.1		93.5	61-131			
1,4-Dichlorobenzene	43.91	1.0	ug/L	50.1		87.6	70-129			
1,2-Dichlorobenzene	40.85	1.0	ug/L	50.1		81.5	69-126			
1,2-Dibromo-3-chloropropane	35.50	5.0	ug/L	50.1		70.8	50-143			
Surrogate: Dibromofluoromethane	53.2		ug/L	50.2		106	57-134			
Surrogate: Dibromofluoromethane	53.2		ug/L	50.2		106	75-136			
Surrogate: 1,2-Dichloroethane-d4	52.8		ug/L	50.1		105	53-140			
Surrogate: 1,2-Dichloroethane-d4	52.8		ug/L	50.1		105	61-142			
Surrogate: Toluene-d8	51.4		ug/L	50.4		102	86-114			
Surrogate: Toluene-d8	51.4		ug/L	50.4		102	82-121			
Surrogate: 4-Bromofluorobenzene	49.2		ug/L	50.1		98.2	78-121			
Surrogate: 4-Bromofluorobenzene	49.2		ug/L	50.1		98.2	80-116			
LCS Dup (1ID0589-BSD1)										
Prepared: 04/10/25 00:00 Analyzed: 04/10/25 11:08										
Chloromethane	29.90	1.0	ug/L	30.3		98.6	63-155	3.37	24	
Vinyl Chloride	29.22	1.0	ug/L	30.2		96.6	70-154	0.825	25	
Bromomethane	29.64	1.0	ug/L	30.1		98.4	52-176	7.02	27	
Chloroethane	30.09	1.0	ug/L	30.3		99.2	72-148	1.44	25	
Trichlorofluoromethane	31.12	1.0	ug/L	30.3		103	70-152	1.20	26	
1,1-Dichloroethylene	58.07	1.0	ug/L	50.1		116	70-148	0.103	24	
Acetone	133.1	10.0	ug/L	100		133	43-172	10.8	30	
Methyl Iodide	105.7	1.0	ug/L	100		106	69-170	4.92	30	
Carbon Disulfide	105.7	1.0	ug/L	100		106	72-162	0.341	24	
Methylene Chloride	52.79	5.0	ug/L	50.1		105	68-142	8.80	21	
Acrylonitrile	60.69	5.0	ug/L	50.2		121	56-135	16.2	16	R1
trans-1,2-Dichloroethylene	57.34	1.0	ug/L	50.1		114	66-148	3.01	27	
1,1-Dichloroethane	56.85	1.0	ug/L	50.1		113	66-143	4.68	24	
Vinyl Acetate	180.8	5.0	ug/L	140		129	43-153	12.9	30	
cis-1,2-Dichloroethylene	55.79	1.0	ug/L	50.4		111	71-149	3.67	26	
2-Butanone (MEK)	119.3	10.0	ug/L	100		119	52-159	17.9	27	
Bromochloromethane	61.21	1.0	ug/L	50.4		121	69-143	11.1	23	
Chloroform	56.52	1.0	ug/L	50.1		113	69-144	6.07	23	
1,1,1-Trichloroethane	55.91	1.0	ug/L	50.1		112	62-129	1.10	24	
Carbon Tetrachloride	54.79	1.0	ug/L	50.1		109	63-141	1.79	25	

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CERTIFICATE OF ANALYSIS

11D0938

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11D0589 - EPA 5030B - EPA 8260D										
LCS Dup (11D0589-BSD1)										
Prepared: 04/10/25 00:00 Analyzed: 04/10/25 11:08										
Benzene	48.97	1.0	ug/L	50.4		97.1	71-134	3.85	24	
1,2-Dichloroethane	56.59	1.0	ug/L	50.1		113	72-132	8.59	24	
Trichloroethylene	51.30	1.0	ug/L	50.1		102	71-135	3.87	24	
1,2-Dichloropropane	53.42	1.0	ug/L	50.1		107	69-136	9.06	24	
Dibromomethane	58.22	1.0	ug/L	50.4		116	73-147	12.0	25	
Bromodichloromethane	57.05	1.0	ug/L	50.1		114	68-129	7.89	22	
cis-1,3-Dichloropropene	55.69	1.0	ug/L	50.1		111	65-134	10.8	23	
4-Methyl-2-pentanone (MIBK)	125.7	5.0	ug/L	100		126	58-147	17.4	27	
Toluene	54.82	1.0	ug/L	50.5		109	72-133	5.36	24	
trans-1,3-Dichloropropene	57.31	1.0	ug/L	50.1		114	67-130	14.6	24	
1,1,2-Trichloroethane	53.92	1.0	ug/L	50.1		108	69-135	18.7	23	
Tetrachloroethylene	46.22	1.0	ug/L	50.1		92.3	69-130	1.74	25	
2-Hexanone (MBK)	127.8	5.0	ug/L	100		128	55-144	18.2	25	
Dibromochloromethane	54.58	1.0	ug/L	50.1		109	73-127	11.1	22	
1,2-Dibromoethane	56.14	1.0	ug/L	50.2		112	67-132	12.6	24	
Chlorobenzene	49.50	1.0	ug/L	50.1		98.8	72-123	7.05	23	
1,1,1,2-Tetrachloroethane	50.11	1.0	ug/L	50.3		99.5	73-127	11.5	24	
Ethylbenzene	51.40	1.0	ug/L	50.2		102	71-127	3.12	26	
Xylenes, total	155.2	2.0	ug/L	151		103	74-127	3.63	25	
Styrene	55.33	1.0	ug/L	50.4		110	66-126	8.79	23	
Bromoform	55.75	1.0	ug/L	50.1		111	68-130	18.7	23	
1,2,3-Trichloropropane	51.24	1.0	ug/L	50.3		102	63-136	22.4	24	
trans-1,4-Dichloro-2-butene	114.2	5.0	ug/L	100		114	54-134	17.8	27	
1,1,2,2-Tetrachloroethane	53.70	1.0	ug/L	50.1		107	61-131	13.6	29	
1,4-Dichlorobenzene	46.78	1.0	ug/L	50.1		93.3	70-129	6.33	24	
1,2-Dichlorobenzene	46.42	1.0	ug/L	50.1		92.7	69-126	12.8	26	
1,2-Dibromo-3-chloropropane	47.39	5.0	ug/L	50.1		94.5	50-143	28.7	30	
Surrogate: Dibromofluoromethane	55.8		ug/L	50.2		111	57-134			
Surrogate: Dibromofluoromethane	55.8		ug/L	50.2		111	75-136			
Surrogate: 1,2-Dichloroethane-d4	54.4		ug/L	50.1		109	53-140			
Surrogate: 1,2-Dichloroethane-d4	54.4		ug/L	50.1		109	61-142			
Surrogate: Toluene-d8	50.2		ug/L	50.4		99.6	86-114			
Surrogate: Toluene-d8	50.2		ug/L	50.4		99.6	82-121			
Surrogate: 4-Bromofluorobenzene	51.3		ug/L	50.1		102	78-121			
Surrogate: 4-Bromofluorobenzene	51.3		ug/L	50.1		102	80-116			
Matrix Spike (11D0589-MS1)										
Source: 11D0938-01										
Prepared: 04/10/25 00:00 Analyzed: 04/10/25 20:28										
Chloromethane	273.4	10.0	ug/L	303	ND	90.2	61-152			
Vinyl Chloride	282.1	10.0	ug/L	302	ND	93.3	66-149			
Bromomethane	268.5	10.0	ug/L	301	ND	89.1	43-171			
Chloroethane	293.0	10.0	ug/L	303	ND	96.6	69-148			
Trichlorofluoromethane	288.0	10.0	ug/L	303	ND	95.0	62-163			
1,1-Dichloroethylene	541.9	10.0	ug/L	501	ND	108	70-148			
Acetone	1065	100	ug/L	1000	ND	106	45-173			

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CERTIFICATE OF ANALYSIS

1ID0938

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0589 - EPA 5030B - EPA 8260D										
Matrix Spike (1ID0589-MS1)	Source: 1ID0938-01			Prepared: 04/10/25 00:00 Analyzed: 04/10/25 20:28						
Methyl Iodide	949.6	10.0	ug/L	1000	ND	95.0	62-167			
Carbon Disulfide	968.6	10.0	ug/L	1000	ND	96.9	71-163			
Methylene Chloride	454.1	50.0	ug/L	501	ND	90.6	69-140			
Acrylonitrile	470.5	50.0	ug/L	502	ND	93.7	38-147			
trans-1,2-Dichloroethylene	528.7	10.0	ug/L	501	ND	106	69-144			
1,1-Dichloroethane	515.7	10.0	ug/L	501	ND	103	70-138			
Vinyl Acetate	1501	50.0	ug/L	1400	ND	107	58-142			
cis-1,2-Dichloroethylene	499.0	10.0	ug/L	504	ND	99.1	68-151			
2-Butanone (MEK)	1025	100	ug/L	1000	ND	102	50-160			
Bromochloromethane	495.6	10.0	ug/L	504	ND	98.3	65-143			
Chloroform	515.9	10.0	ug/L	501	ND	103	71-143			
1,1,1-Trichloroethane	555.5	10.0	ug/L	501	ND	111	63-133			
Carbon Tetrachloride	550.3	10.0	ug/L	501	ND	110	63-142			
Benzene	508.2	10.0	ug/L	504	ND	101	69-133			
1,2-Dichloroethane	515.8	10.0	ug/L	501	ND	103	63-138			
Trichloroethylene	539.6	10.0	ug/L	501	ND	108	71-133			
1,2-Dichloropropane	501.3	10.0	ug/L	501	ND	100	69-132			
Dibromomethane	505.7	10.0	ug/L	504	ND	100	70-147			
Bromodichloromethane	529.8	10.0	ug/L	501	ND	106	67-130			
cis-1,3-Dichloropropene	494.1	10.0	ug/L	501	ND	98.7	61-126			
4-Methyl-2-pentanone (MIBK)	1101	50.0	ug/L	1000	ND	110	55-147			
Toluene	578.0	10.0	ug/L	505	ND	115	71-133			
trans-1,3-Dichloropropene	481.0	10.0	ug/L	501	ND	96.1	63-124			
1,1,2-Trichloroethane	471.7	10.0	ug/L	501	ND	94.2	69-133			
Tetrachloroethylene	546.9	10.0	ug/L	501	ND	109	70-124			
2-Hexanone (MBK)	1119	50.0	ug/L	1000	ND	112	53-141			
Dibromochloromethane	507.7	10.0	ug/L	501	ND	101	74-122			
1,2-Dibromoethane	502.4	10.0	ug/L	502	ND	100	66-127			
Chlorobenzene	507.2	10.0	ug/L	501	ND	101	76-116			
1,1,1,2-Tetrachloroethane	492.7	10.0	ug/L	503	ND	97.9	77-121			
Ethylbenzene	567.1	10.0	ug/L	502	ND	113	73-124			
Xylenes, total	1682	20.0	ug/L	1510	ND	111	75-123			
Styrene	560.5	10.0	ug/L	504	ND	111	70-120			
Bromoform	489.0	10.0	ug/L	501	ND	97.6	70-124			
1,2,3-Trichloropropane	432.4	10.0	ug/L	503	ND	85.9	62-135			
trans-1,4-Dichloro-2-butene	969.9	50.0	ug/L	1000	ND	97.0	50-120			
1,1,2,2-Tetrachloroethane	513.7	10.0	ug/L	501	ND	103	63-126			
1,4-Dichlorobenzene	493.6	10.0	ug/L	501	ND	98.5	72-119			
1,2-Dichlorobenzene	464.3	10.0	ug/L	501	ND	92.7	71-117			
1,2-Dibromo-3-chloropropane	387.7	50.0	ug/L	501	ND	77.3	49-134			
Surrogate: Dibromofluoromethane	442		ug/L	502		88.2	57-134			
Surrogate: Dibromofluoromethane	442		ug/L	502		88.2	75-136			

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CERTIFICATE OF ANALYSIS

1ID0938

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0589 - EPA 5030B - EPA 8260D										
Matrix Spike (1ID0589-MS1)	Source: 1ID0938-01			Prepared: 04/10/25 00:00 Analyzed: 04/10/25 20:28						
Surrogate: 1,2-Dichloroethane-d4	430		ug/L	501		85.8	53-140			
Surrogate: 1,2-Dichloroethane-d4	430		ug/L	501		85.8	61-142			
Surrogate: Toluene-d8	504		ug/L	504		99.9	86-114			
Surrogate: Toluene-d8	504		ug/L	504		99.9	82-121			
Surrogate: 4-Bromofluorobenzene	476		ug/L	501		94.9	78-121			
Surrogate: 4-Bromofluorobenzene	476		ug/L	501		94.9	80-116			
Matrix Spike Dup (1ID0589-MSD1)	Source: 1ID0938-01			Prepared: 04/10/25 00:00 Analyzed: 04/10/25 20:51						
Chloromethane	246.6	10.0	ug/L	303	ND	81.3	61-152	10.3	26	
Vinyl Chloride	250.2	10.0	ug/L	302	ND	82.7	66-149	12.0	23	
Bromomethane	237.7	10.0	ug/L	301	ND	78.9	43-171	12.2	29	
Chloroethane	253.2	10.0	ug/L	303	ND	83.5	69-148	14.6	25	
Trichlorofluoromethane	259.7	10.0	ug/L	303	ND	85.7	62-163	10.3	25	
1,1-Dichloroethylene	500.3	10.0	ug/L	501	ND	99.8	70-148	7.98	22	
Acetone	1042	100	ug/L	1000	ND	104	45-173	2.14	30	
Methyl Iodide	849.6	10.0	ug/L	1000	ND	85.0	62-167	11.1	24	
Carbon Disulfide	875.9	10.0	ug/L	1000	ND	87.6	71-163	10.1	22	
Methylene Chloride	417.2	50.0	ug/L	501	ND	83.3	69-140	8.47	19	
Acrylonitrile	468.3	50.0	ug/L	502	ND	93.3	38-147	0.469	30	
trans-1,2-Dichloroethylene	496.0	10.0	ug/L	501	ND	99.0	69-144	6.38	22	
1,1-Dichloroethane	485.7	10.0	ug/L	501	ND	96.9	70-138	5.99	20	
Vinyl Acetate	1401	50.0	ug/L	1400	ND	100	58-142	6.89	24	
cis-1,2-Dichloroethylene	475.7	10.0	ug/L	504	ND	94.5	68-151	4.78	22	
2-Butanone (MEK)	973.0	100	ug/L	1000	ND	97.3	50-160	5.19	23	
Bromochloromethane	471.1	10.0	ug/L	504	ND	93.5	65-143	5.07	22	
Chloroform	485.7	10.0	ug/L	501	ND	97.0	71-143	6.03	21	
1,1,1-Trichloroethane	515.0	10.0	ug/L	501	ND	103	63-133	7.57	23	
Carbon Tetrachloride	506.2	10.0	ug/L	501	ND	101	63-142	8.35	22	
Benzene	465.0	10.0	ug/L	504	ND	92.2	69-133	8.88	18	
1,2-Dichloroethane	489.4	10.0	ug/L	501	ND	97.7	63-138	5.25	20	
Trichloroethylene	491.7	10.0	ug/L	501	ND	98.2	71-133	9.29	23	
1,2-Dichloropropane	472.8	10.0	ug/L	501	ND	94.4	69-132	5.85	20	
Dibromomethane	489.8	10.0	ug/L	504	ND	97.2	70-147	3.19	22	
Bromodichloromethane	500.0	10.0	ug/L	501	ND	99.8	67-130	5.79	21	
cis-1,3-Dichloropropene	457.9	10.0	ug/L	501	ND	91.4	61-126	7.61	21	
4-Methyl-2-pentanone (MIBK)	1062	50.0	ug/L	1000	ND	106	55-147	3.62	23	
Toluene	520.2	10.0	ug/L	505	ND	103	71-133	10.5	19	
trans-1,3-Dichloropropene	454.1	10.0	ug/L	501	ND	90.7	63-124	5.75	21	
1,1,2-Trichloroethane	440.6	10.0	ug/L	501	ND	88.0	69-133	6.82	19	
Tetrachloroethylene	492.7	10.0	ug/L	501	ND	98.3	70-124	10.4	24	
2-Hexanone (MBK)	1147	50.0	ug/L	1000	ND	115	53-141	2.50	24	
Dibromochloromethane	498.0	10.0	ug/L	501	ND	99.5	74-122	1.93	21	
1,2-Dibromoethane	497.9	10.0	ug/L	502	ND	99.1	66-127	0.900	23	
Chlorobenzene	475.6	10.0	ug/L	501	ND	95.0	76-116	6.43	21	

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CERTIFICATE OF ANALYSIS

11D0938

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11D0589 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (11D0589-MSD1)		Source: 11D0938-01		Prepared: 04/10/25 00:00 Analyzed: 04/10/25 20:51						
1,1,1,2-Tetrachloroethane	463.1	10.0	ug/L	503	ND	92.0	77-121	6.19	25	
Ethylbenzene	526.0	10.0	ug/L	502	ND	105	73-124	7.52	20	
Xylenes, total	1550	20.0	ug/L	1510	ND	103	75-123	8.18	20	
Styrene	518.1	10.0	ug/L	504	ND	103	70-120	7.86	23	
Bromoform	481.8	10.0	ug/L	501	ND	96.1	70-124	1.48	22	
1,2,3-Trichloropropane	416.0	10.0	ug/L	503	ND	82.6	62-135	3.87	28	
trans-1,4-Dichloro-2-butene	920.3	50.0	ug/L	1000	ND	92.0	50-120	5.25	26	
1,1,2,2-Tetrachloroethane	496.3	10.0	ug/L	501	ND	99.1	63-126	3.45	24	
1,4-Dichlorobenzene	464.0	10.0	ug/L	501	ND	92.6	72-119	6.18	24	
1,2-Dichlorobenzene	428.4	10.0	ug/L	501	ND	85.5	71-117	8.04	24	
1,2-Dibromo-3-chloropropane	497.3	50.0	ug/L	501	ND	99.2	49-134	24.8	28	
Surrogate: Dibromofluoromethane	447		ug/L	502		89.0	57-134			
Surrogate: Dibromofluoromethane	447		ug/L	502		89.0	75-136			
Surrogate: 1,2-Dichloroethane-d4	445		ug/L	501		88.8	53-140			
Surrogate: 1,2-Dichloroethane-d4	445		ug/L	501		88.8	61-142			
Surrogate: Toluene-d8	493		ug/L	504		97.8	86-114			
Surrogate: Toluene-d8	493		ug/L	504		97.8	82-121			
Surrogate: 4-Bromofluorobenzene	472		ug/L	501		94.2	78-121			
Surrogate: 4-Bromofluorobenzene	472		ug/L	501		94.2	80-116			
Batch 11D0673 - EPA 5030B - EPA 8260D										
Blank (11D0673-BLK1)		Prepared: 04/11/25 00:00 Analyzed: 04/11/25 12:27								
Dichlorodifluoromethane	<1.0	1.0	ug/L							
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							
Acrolein	<10.0	10.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
Acetone	<10.0	10.0	ug/L							
Methyl Iodide	<2.0	2.0	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							
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							
2,2-Dichloropropane	<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							
Bromochloromethane	<1.0	1.0	ug/L							

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CERTIFICATE OF ANALYSIS

1ID0938

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0673 - EPA 5030B - EPA 8260D										
Blank (1ID0673-BLK1)										
Prepared: 04/11/25 00:00 Analyzed: 04/11/25 12:27										
Chloroform	<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							
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							
Ethyl Methacrylate	<10.0	10.0	ug/L							
1,1,2-Trichloroethane	<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							
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							
1,3-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							
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L							
Surrogate: Dibromofluoromethane	46.7		ug/L	50.2		93.1	57-134			
Surrogate: 1,2-Dichloroethane-d4	41.8		ug/L	50.1		83.5	53-140			
Surrogate: 1,2-Dichloroethane-d4	41.8		ug/L	50.1		83.5	53-140			
Surrogate: Toluene-d8	46.6		ug/L	50.4		92.5	86-114			
Surrogate: Toluene-d8	46.6		ug/L	50.4		92.5	86-114			
Surrogate: 4-Bromofluorobenzene	47.8		ug/L	50.1		95.2	78-121			
Surrogate: 4-Bromofluorobenzene	47.8		ug/L	50.1		95.2	78-121			
LCS (1ID0673-BS1)										
Prepared: 04/11/25 00:00 Analyzed: 04/11/25 11:21										
Dichlorodifluoromethane	30.66	1.0	ug/L	30.3		101	49-138			

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CERTIFICATE OF ANALYSIS

1ID0938

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0673 - EPA 5030B - EPA 8260D										
LCS (1ID0673-BS1)										
Prepared: 04/11/25 00:00 Analyzed: 04/11/25 11:21										
Chloromethane	28.31	1.0	ug/L	30.3		93.4	60-141			
Vinyl Chloride	30.86	1.0	ug/L	30.2		102	65-137			
Bromomethane	28.48	1.0	ug/L	30.1		94.6	47-173			
Chloroethane	30.47	1.0	ug/L	30.3		101	67-145			
Trichlorofluoromethane	32.62	1.0	ug/L	30.3		108	63-127			
Acrolein	51.19	10.0	ug/L	50.4		102	21-142			
1,1-Dichloroethylene	58.70	1.0	ug/L	50.1		117	69-136			
Acetone	118.8	10.0	ug/L	100		119	45-153			
Methyl Iodide	128.8	2.0	ug/L	100		129	58-156			
Carbon Disulfide	108.8	1.0	ug/L	100		109	68-128			
Acetonitrile	95.12	10.0	ug/L	100		95.1	35-177			
Methylene Chloride	53.39	5.0	ug/L	50.1		107	65-124			
Acrylonitrile	47.49	5.0	ug/L	50.2		94.6	56-135			
trans-1,2-Dichloroethylene	58.90	1.0	ug/L	50.1		118	74-126			
1,1-Dichloroethane	56.18	1.0	ug/L	50.1		112	73-122			
Vinyl Acetate	174.5	5.0	ug/L	140		125	24-171			
2,2-Dichloropropane	60.81	1.0	ug/L	50.3		121	68-120			Q2
cis-1,2-Dichloroethylene	54.52	1.0	ug/L	50.4		108	65-149			
2-Butanone (MEK)	91.52	5.0	ug/L	100		91.5	57-147			
Bromochloromethane	52.32	1.0	ug/L	50.4		104	76-125			
Chloroform	53.13	1.0	ug/L	50.1		106	71-125			
1,1,1-Trichloroethane	60.44	1.0	ug/L	50.1		121	66-118			Q2
1,1-Dichloropropene	57.20	1.0	ug/L	50.5		113	69-130			
Carbon Tetrachloride	60.50	1.0	ug/L	50.1		121	68-126			
Benzene	54.70	1.0	ug/L	50.4		108	81-123			
1,2-Dichloroethane	55.32	1.0	ug/L	50.1		110	70-130			
Trichloroethylene	59.36	1.0	ug/L	50.1		118	84-118			
1,2-Dichloropropane	57.74	1.0	ug/L	50.1		115	87-118			
Dibromomethane	51.18	1.0	ug/L	50.4		102	82-126			
Bromodichloromethane	60.65	1.0	ug/L	50.1		121	80-116			Q2
cis-1,3-Dichloropropene	47.37	1.0	ug/L	50.1		94.6	83-116			
4-Methyl-2-pentanone (MIBK)	87.73	5.0	ug/L	100		87.7	74-138			
Toluene	56.44	1.0	ug/L	50.5		112	78-123			
trans-1,3-Dichloropropene	48.92	1.0	ug/L	50.1		97.7	75-120			
Ethyl Methacrylate	92.32	10.0	ug/L	100		92.3	77-129			
1,1,2-Trichloroethane	53.30	1.0	ug/L	50.1		106	81-121			
Tetrachloroethylene	55.61	1.0	ug/L	50.1		111	76-120			
1,3-Dichloropropane	51.15	1.0	ug/L	50.4		101	86-131			
2-Hexanone (MBK)	82.08	5.0	ug/L	100		82.1	76-139			
Dibromochloromethane	53.42	1.0	ug/L	50.1		107	83-123			
1,2-Dibromoethane	47.29	1.0	ug/L	50.2		94.2	86-115			
Chlorobenzene	51.81	1.0	ug/L	50.1		103	82-117			
1,1,1,2-Tetrachloroethane	52.91	1.0	ug/L	50.3		105	86-119			

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CERTIFICATE OF ANALYSIS

1ID0938

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0673 - EPA 5030B - EPA 8260D										
LCS (1ID0673-BS1)										
Prepared: 04/11/25 00:00 Analyzed: 04/11/25 11:21										
Ethylbenzene	54.93	1.0	ug/L	50.2		109	80-122			
Xylenes, total	167.9	2.0	ug/L	151		111	81-122			
Styrene	51.21	1.0	ug/L	50.4		102	85-118			
Bromoform	51.89	1.0	ug/L	50.1		104	80-123			
1,2,3-Trichloropropane	49.58	1.0	ug/L	50.3		98.5	83-126			
trans-1,4-Dichloro-2-butene	95.01	5.0	ug/L	100		95.0	67-118			
1,1,2,2-Tetrachloroethane	41.54	1.0	ug/L	50.1		82.9	81-124			
1,3-Dichlorobenzene	49.72	1.0	ug/L	50.1		99.3	83-114			
1,4-Dichlorobenzene	47.32	1.0	ug/L	50.1		94.4	83-117			
1,2-Dichlorobenzene	49.52	1.0	ug/L	50.1		98.9	83-116			
1,2,4-Trichlorobenzene	47.64	1.0	ug/L	50.4		94.6	66-134			
Surrogate: Dibromofluoromethane	52.7		ug/L	50.2		105	57-134			
Surrogate: 1,2-Dichloroethane-d4	50.1		ug/L	50.1		100	53-140			
Surrogate: 1,2-Dichloroethane-d4	50.1		ug/L	50.1		100	53-140			
Surrogate: Toluene-d8	52.6		ug/L	50.4		104	86-114			
Surrogate: Toluene-d8	52.6		ug/L	50.4		104	86-114			
Surrogate: 4-Bromofluorobenzene	53.2		ug/L	50.1		106	78-121			
Surrogate: 4-Bromofluorobenzene	53.2		ug/L	50.1		106	78-121			
LCS Dup (1ID0673-BSD1)										
Prepared: 04/11/25 00:00 Analyzed: 04/11/25 11:43										
Dichlorodifluoromethane	28.49	1.0	ug/L	30.3		94.1	49-138	7.34	22	
Chloromethane	27.10	1.0	ug/L	30.3		89.4	60-141	4.37	30	
Vinyl Chloride	28.62	1.0	ug/L	30.2		94.6	65-137	7.53	20	
Bromomethane	26.52	1.0	ug/L	30.1		88.0	47-173	7.13	17	
Chloroethane	28.06	1.0	ug/L	30.3		92.6	67-145	8.24	30	
Trichlorofluoromethane	30.88	1.0	ug/L	30.3		102	63-127	5.48	15	
Acrolein	51.10	10.0	ug/L	50.4		101	21-142	0.176	18	
1,1-Dichloroethylene	55.70	1.0	ug/L	50.1		111	69-136	5.24	30	
Acetone	114.9	10.0	ug/L	100		115	45-153	3.39	23	
Methyl Iodide	121.1	2.0	ug/L	100		121	58-156	6.14	17	
Carbon Disulfide	101.8	1.0	ug/L	100		102	68-128	6.70	30	
Acetonitrile	94.70	10.0	ug/L	100		94.7	35-177	0.443	30	
Methylene Chloride	50.98	5.0	ug/L	50.1		102	65-124	4.62	30	
Acrylonitrile	45.13	5.0	ug/L	50.2		89.9	56-135	5.10	16	
trans-1,2-Dichloroethylene	55.82	1.0	ug/L	50.1		111	74-126	5.37	30	
1,1-Dichloroethane	54.39	1.0	ug/L	50.1		109	73-122	3.24	30	
Vinyl Acetate	170.0	5.0	ug/L	140		121	24-171	2.60	30	
2,2-Dichloropropane	56.17	1.0	ug/L	50.3		112	68-120	7.93	14	
cis-1,2-Dichloroethylene	51.97	1.0	ug/L	50.4		103	65-149	4.79	30	
2-Butanone (MEK)	91.00	5.0	ug/L	100		91.0	57-147	0.570	18	
Bromochloromethane	49.21	1.0	ug/L	50.4		97.6	76-125	6.13	30	
Chloroform	50.59	1.0	ug/L	50.1		101	71-125	4.90	30	
1,1,1-Trichloroethane	56.16	1.0	ug/L	50.1		112	66-118	7.34	30	
1,1-Dichloropropene	53.47	1.0	ug/L	50.5		106	69-130	6.74	30	

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CERTIFICATE OF ANALYSIS

1ID0938

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0673 - EPA 5030B - EPA 8260D										
LCS Dup (1ID0673-BSD1)										
Prepared: 04/11/25 00:00 Analyzed: 04/11/25 11:43										
Carbon Tetrachloride	56.01	1.0	ug/L	50.1		112	68-126	7.71	13	
Benzene	52.74	1.0	ug/L	50.4		105	81-123	3.65	30	
1,2-Dichloroethane	55.02	1.0	ug/L	50.1		110	70-130	0.544	30	
Trichloroethylene	56.06	1.0	ug/L	50.1		112	84-118	5.72	30	
1,2-Dichloropropane	53.19	1.0	ug/L	50.1		106	87-118	8.20	30	
Dibromomethane	49.70	1.0	ug/L	50.4		98.7	82-126	2.93	30	
Bromodichloromethane	58.15	1.0	ug/L	50.1		116	80-116	4.21	30	
cis-1,3-Dichloropropene	46.35	1.0	ug/L	50.1		92.5	83-116	2.18	30	
4-Methyl-2-pentanone (MIBK)	85.66	5.0	ug/L	100		85.7	74-138	2.39	30	
Toluene	54.15	1.0	ug/L	50.5		107	78-123	4.14	30	
trans-1,3-Dichloropropene	45.72	1.0	ug/L	50.1		91.3	75-120	6.76	30	
Ethyl Methacrylate	88.30	10.0	ug/L	100		88.3	77-129	4.45	30	
1,1,2-Trichloroethane	50.17	1.0	ug/L	50.1		100	81-121	6.05	30	
Tetrachloroethylene	53.46	1.0	ug/L	50.1		107	76-120	3.94	30	
1,3-Dichloropropane	50.29	1.0	ug/L	50.4		99.7	86-131	1.70	30	
2-Hexanone (MBK)	81.83	5.0	ug/L	100		81.8	76-139	0.305	15	
Dibromochloromethane	52.35	1.0	ug/L	50.1		105	83-123	2.02	15	
1,2-Dibromoethane	46.74	1.0	ug/L	50.2		93.1	86-115	1.17	30	
Chlorobenzene	50.15	1.0	ug/L	50.1		100	82-117	3.26	30	
1,1,1,2-Tetrachloroethane	51.35	1.0	ug/L	50.3		102	86-119	2.99	30	
Ethylbenzene	52.58	1.0	ug/L	50.2		105	80-122	4.37	30	
Xylenes, total	161.2	2.0	ug/L	151		107	81-122	4.06	30	
Styrene	48.38	1.0	ug/L	50.4		96.0	85-118	5.68	30	
Bromoform	50.14	1.0	ug/L	50.1		100	80-123	3.43	30	
1,2,3-Trichloropropane	49.43	1.0	ug/L	50.3		98.2	83-126	0.303	30	
trans-1,4-Dichloro-2-butene	94.50	5.0	ug/L	100		94.5	67-118	0.538	10	
1,1,2,2-Tetrachloroethane	40.68	1.0	ug/L	50.1		81.2	81-124	2.09	30	
1,3-Dichlorobenzene	48.18	1.0	ug/L	50.1		96.2	83-114	3.15	30	
1,4-Dichlorobenzene	45.23	1.0	ug/L	50.1		90.2	83-117	4.52	30	
1,2-Dichlorobenzene	48.16	1.0	ug/L	50.1		96.1	83-116	2.78	30	
1,2,4-Trichlorobenzene	45.40	1.0	ug/L	50.4		90.1	66-134	4.82	30	
Surrogate: Dibromofluoromethane	50.7		ug/L	50.2		101	57-134			
Surrogate: 1,2-Dichloroethane-d4	47.5		ug/L	50.1		94.8	53-140			
Surrogate: 1,2-Dichloroethane-d4	47.5		ug/L	50.1		94.8	53-140			
Surrogate: Toluene-d8	51.2		ug/L	50.4		102	86-114			
Surrogate: Toluene-d8	51.2		ug/L	50.4		102	86-114			
Surrogate: 4-Bromofluorobenzene	52.6		ug/L	50.1		105	78-121			
Surrogate: 4-Bromofluorobenzene	52.6		ug/L	50.1		105	78-121			
Matrix Spike (1ID0673-MS1)										
Source: 1ID0938-05 Prepared: 04/11/25 00:00 Analyzed: 04/11/25 19:29										
Dichlorodifluoromethane	317.8	10.0	ug/L	303	ND	105	37-140			
Chloromethane	288.5	10.0	ug/L	303	ND	95.1	47-147			
Vinyl Chloride	306.7	10.0	ug/L	302	ND	101	55-142			
Bromomethane	284.0	10.0	ug/L	301	ND	94.3	34-160			

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1ID0938

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0673 - EPA 5030B - EPA 8260D										
Matrix Spike (1ID0673-MS1)	Source: 1ID0938-05			Prepared: 04/11/25 00:00 Analyzed: 04/11/25 19:29						
Chloroethane	301.2	10.0	ug/L	303	ND	99.3	54-154			
Trichlorofluoromethane	346.1	10.0	ug/L	303	ND	114	49-131			
Acrolein	427.2	100	ug/L	504	ND	84.8	22-138			
1,1-Dichloroethylene	604.8	10.0	ug/L	501	ND	121	57-143			
Acetone	1027	100	ug/L	1000	ND	103	27-173			
Methyl Iodide	1264	20.0	ug/L	1000	ND	126	39-157			
Carbon Disulfide	1080	10.0	ug/L	1000	ND	108	53-136			
Acetonitrile	889.6	100	ug/L	1000	ND	89.0	11-189			
Methylene Chloride	540.1	50.0	ug/L	501	ND	108	57-128			
Acrylonitrile	458.7	50.0	ug/L	502	ND	91.4	38-147			
trans-1,2-Dichloroethylene	590.4	10.0	ug/L	501	ND	118	61-135			
1,1-Dichloroethane	587.6	10.0	ug/L	501	ND	117	60-131			
Vinyl Acetate	1602	50.0	ug/L	1400	ND	114	24-163			
2,2-Dichloropropane	585.9	10.0	ug/L	503	ND	116	37-112			M1
cis-1,2-Dichloroethylene	547.6	10.0	ug/L	504	ND	109	47-162			
2-Butanone (MEK)	905.0	50.0	ug/L	1000	ND	90.5	45-156			
Bromochloromethane	532.5	10.0	ug/L	504	ND	106	55-132			
Chloroform	546.4	10.0	ug/L	501	ND	109	45-142			
1,1,1-Trichloroethane	629.4	10.0	ug/L	501	ND	126	52-128			
1,1-Dichloropropene	578.6	10.0	ug/L	505	ND	115	49-138			
Carbon Tetrachloride	623.3	10.0	ug/L	501	ND	124	56-132			
Benzene	586.4	10.0	ug/L	504	ND	116	77-124			
1,2-Dichloroethane	588.9	10.0	ug/L	501	ND	118	67-130			
Trichloroethylene	622.4	10.0	ug/L	501	ND	124	75-123			M1
1,2-Dichloropropane	590.6	10.0	ug/L	501	ND	118	75-126			
Dibromomethane	529.6	10.0	ug/L	504	ND	105	72-131			
Bromodichloromethane	632.3	10.0	ug/L	501	ND	126	70-123			M1
cis-1,3-Dichloropropene	486.8	10.0	ug/L	501	ND	97.2	68-119			
4-Methyl-2-pentanone (MIBK)	880.3	50.0	ug/L	1000	ND	88.0	57-153			
Toluene	598.8	10.0	ug/L	505	ND	119	63-131			
trans-1,3-Dichloropropene	477.7	10.0	ug/L	501	ND	95.4	65-121			
Ethyl Methacrylate	905.5	100	ug/L	1000	ND	90.6	62-137			
1,1,2-Trichloroethane	547.7	10.0	ug/L	501	ND	109	76-124			
Tetrachloroethylene	573.0	10.0	ug/L	501	ND	114	77-117			
1,3-Dichloropropane	509.9	10.0	ug/L	504	ND	101	81-132			
2-Hexanone (MBK)	650.7	50.0	ug/L	1000	ND	65.1	63-152			
Dibromochloromethane	540.6	10.0	ug/L	501	ND	108	77-124			
1,2-Dibromoethane	482.2	10.0	ug/L	502	ND	96.0	82-117			
Chlorobenzene	529.1	10.0	ug/L	501	ND	106	82-114			
1,1,1,2-Tetrachloroethane	537.2	10.0	ug/L	503	ND	107	82-118			
Ethylbenzene	556.9	10.0	ug/L	502	ND	111	80-119			
Xylenes, total	1692	20.0	ug/L	1510	ND	112	81-119			
Styrene	513.4	10.0	ug/L	504	ND	102	81-119			

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CERTIFICATE OF ANALYSIS

11D0938

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11D0673 - EPA 5030B - EPA 8260D										
Matrix Spike (11D0673-MS1) Source: 11D0938-05 Prepared: 04/11/25 00:00 Analyzed: 04/11/25 19:29										
Bromoform	514.0	10.0	ug/L	501	ND	103	74-122			
1,2,3-Trichloropropane	496.0	10.0	ug/L	503	ND	98.5	72-138			
trans-1,4-Dichloro-2-butene	812.2	50.0	ug/L	1000	ND	81.2	56-116			
1,1,2,2-Tetrachloroethane	420.4	10.0	ug/L	501	ND	83.9	78-126			
1,3-Dichlorobenzene	501.0	10.0	ug/L	501	ND	100	81-113			
1,4-Dichlorobenzene	463.5	10.0	ug/L	501	ND	92.5	81-116			
1,2-Dichlorobenzene	508.8	10.0	ug/L	501	ND	102	81-116			
1,2,4-Trichlorobenzene	432.9	10.0	ug/L	504	ND	85.9	65-132			
Surrogate: Dibromofluoromethane	513		ug/L	502		102	57-134			
Surrogate: 1,2-Dichloroethane-d4	492		ug/L	501		98.2	53-140			
Surrogate: 1,2-Dichloroethane-d4	492		ug/L	501		98.2	53-140			
Surrogate: Toluene-d8	540		ug/L	504		107	86-114			
Surrogate: Toluene-d8	540		ug/L	504		107	86-114			
Surrogate: 4-Bromofluorobenzene	523		ug/L	501		104	78-121			
Surrogate: 4-Bromofluorobenzene	523		ug/L	501		104	78-121			
Matrix Spike Dup (11D0673-MSD1) Source: 11D0938-05 Prepared: 04/11/25 00:00 Analyzed: 04/11/25 19:51										
Dichlorodifluoromethane	284.7	10.0	ug/L	303	ND	94.0	37-140	11.0	18	
Chloromethane	262.8	10.0	ug/L	303	ND	86.7	47-147	9.32	18	
Vinyl Chloride	282.1	10.0	ug/L	302	ND	93.3	55-142	8.36	20	
Bromomethane	263.3	10.0	ug/L	301	ND	87.4	34-160	7.56	22	
Chloroethane	273.3	10.0	ug/L	303	ND	90.1	54-154	9.71	20	
Trichlorofluoromethane	311.5	10.0	ug/L	303	ND	103	49-131	10.5	14	
Acrolein	460.3	100	ug/L	504	ND	91.4	22-138	7.46	30	
1,1-Dichloroethylene	551.1	10.0	ug/L	501	ND	110	57-143	9.29	15	
Acetone	940.7	100	ug/L	1000	ND	94.1	27-173	8.75	30	
Methyl Iodide	1157	20.0	ug/L	1000	ND	116	39-157	8.81	12	
Carbon Disulfide	984.8	10.0	ug/L	1000	ND	98.5	53-136	9.25	20	
Acetonitrile	880.2	100	ug/L	1000	ND	88.0	11-189	1.06	24	
Methylene Chloride	512.2	50.0	ug/L	501	ND	102	57-128	5.30	14	
Acrylonitrile	457.1	50.0	ug/L	502	ND	91.1	38-147	0.349	30	
trans-1,2-Dichloroethylene	548.9	10.0	ug/L	501	ND	110	61-135	7.29	12	
1,1-Dichloroethane	527.9	10.0	ug/L	501	ND	105	60-131	10.7	15	
Vinyl Acetate	1603	50.0	ug/L	1400	ND	114	24-163	0.0499	16	
2,2-Dichloropropane	531.6	10.0	ug/L	503	ND	106	37-112	9.72	13	
cis-1,2-Dichloroethylene	501.1	10.0	ug/L	504	ND	99.5	47-162	8.87	22	
2-Butanone (MEK)	919.5	50.0	ug/L	1000	ND	92.0	45-156	1.59	20	
Bromochloromethane	491.1	10.0	ug/L	504	ND	97.4	55-132	8.09	15	
Chloroform	506.2	10.0	ug/L	501	ND	101	45-142	7.64	12	
1,1,1-Trichloroethane	566.8	10.0	ug/L	501	ND	113	52-128	10.5	14	
1,1-Dichloropropene	526.6	10.0	ug/L	505	ND	104	49-138	9.41	12	
Carbon Tetrachloride	568.4	10.0	ug/L	501	ND	113	56-132	9.21	12	
Benzene	509.0	10.0	ug/L	504	ND	101	77-124	14.1	12	R1
1,2-Dichloroethane	532.4	10.0	ug/L	501	ND	106	67-130	10.1	13	

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CERTIFICATE OF ANALYSIS

1ID0938

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0673 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1ID0673-MSD1)		Source: 1ID0938-05		Prepared: 04/11/25 00:00 Analyzed: 04/11/25 19:51						
Trichloroethylene	546.9	10.0	ug/L	501	ND	109	75-123	12.9	11	R1
1,2-Dichloropropane	536.6	10.0	ug/L	501	ND	107	75-126	9.58	11	
Dibromomethane	489.0	10.0	ug/L	504	ND	97.1	72-131	7.97	12	
Bromodichloromethane	583.8	10.0	ug/L	501	ND	117	70-123	7.98	10	
cis-1,3-Dichloropropene	448.3	10.0	ug/L	501	ND	89.5	68-119	8.23	10	
4-Methyl-2-pentanone (MIBK)	855.6	50.0	ug/L	1000	ND	85.6	57-153	2.85	11	
Toluene	527.5	10.0	ug/L	505	ND	105	63-131	12.7	15	
trans-1,3-Dichloropropene	453.9	10.0	ug/L	501	ND	90.6	65-121	5.11	14	
Ethyl Methacrylate	872.4	100	ug/L	1000	ND	87.2	62-137	3.72	10	
1,1,2-Trichloroethane	503.3	10.0	ug/L	501	ND	100	76-124	8.45	12	
Tetrachloroethylene	515.1	10.0	ug/L	501	ND	103	77-117	10.6	12	
1,3-Dichloropropane	487.6	10.0	ug/L	504	ND	96.7	81-132	4.47	12	
2-Hexanone (MBK)	651.1	50.0	ug/L	1000	ND	65.1	63-152	0.0614	19	
Dibromochloromethane	510.5	10.0	ug/L	501	ND	102	77-124	5.73	17	
1,2-Dibromoethane	460.1	10.0	ug/L	502	ND	91.6	82-117	4.69	14	
Chlorobenzene	485.6	10.0	ug/L	501	ND	97.0	82-114	8.57	11	
1,1,1,2-Tetrachloroethane	492.4	10.0	ug/L	503	ND	97.8	82-118	8.70	15	
Ethylbenzene	509.1	10.0	ug/L	502	ND	101	80-119	8.97	11	
Xylenes, total	1563	20.0	ug/L	1510	ND	103	81-119	7.88	11	
Styrene	470.9	10.0	ug/L	504	ND	93.5	81-119	8.64	12	
Bromoform	496.9	10.0	ug/L	501	ND	99.2	74-122	3.38	12	
1,2,3-Trichloropropane	497.7	10.0	ug/L	503	ND	98.9	72-138	0.342	14	
trans-1,4-Dichloro-2-butene	930.0	50.0	ug/L	1000	ND	93.0	56-116	13.5	10	R1
1,1,2,2-Tetrachloroethane	403.5	10.0	ug/L	501	ND	80.5	78-126	4.10	13	
1,3-Dichlorobenzene	455.9	10.0	ug/L	501	ND	91.0	81-113	9.43	14	
1,4-Dichlorobenzene	440.1	10.0	ug/L	501	ND	87.8	81-116	5.18	14	
1,2-Dichlorobenzene	463.4	10.0	ug/L	501	ND	92.5	81-116	9.34	13	
1,2,4-Trichlorobenzene	466.9	10.0	ug/L	504	ND	92.7	65-132	7.56	15	
Surrogate: Dibromofluoromethane	514		ug/L	502		103	57-134			
Surrogate: 1,2-Dichloroethane-d4	492		ug/L	501		98.2	53-140			
Surrogate: 1,2-Dichloroethane-d4	492		ug/L	501		98.2	53-140			
Surrogate: Toluene-d8	523		ug/L	504		104	86-114			
Surrogate: Toluene-d8	523		ug/L	504		104	86-114			
Surrogate: 4-Bromofluorobenzene	526		ug/L	501		105	78-121			
Surrogate: 4-Bromofluorobenzene	526		ug/L	501		105	78-121			

Batch 1ID0825 - EPA 5030B - EPA 8260D

Blank (1ID0825-BLK1)		Prepared: 04/15/25 00:00 Analyzed: 04/15/25 13:39								
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Surrogate: Dibromofluoromethane	38.9		ug/L	50.2		77.6	57-134			
Surrogate: 1,2-Dichloroethane-d4	35.2		ug/L	50.1		70.3	53-140			
Surrogate: Toluene-d8	54.0		ug/L	50.4		107	86-114			

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1ID0938

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0825 - EPA 5030B - EPA 8260D										
Blank (1ID0825-BLK1) Prepared: 04/15/25 00:00 Analyzed: 04/15/25 13:39										
Surrogate: 4-Bromofluorobenzene	44.8		ug/L	50.1		89.4	78-121			
LCS (1ID0825-BS1) Prepared: 04/15/25 00:00 Analyzed: 04/15/25 12:32										
1,2-Dibromo-3-chloropropane	26.37	1.0	ug/L	50.1		52.6	77-128			Q3
Surrogate: Dibromofluoromethane	48.6		ug/L	50.2		96.8	57-134			
Surrogate: 1,2-Dichloroethane-d4	46.8		ug/L	50.1		93.5	53-140			
Surrogate: Toluene-d8	50.1		ug/L	50.4		99.5	86-114			
Surrogate: 4-Bromofluorobenzene	45.0		ug/L	50.1		89.7	78-121			
LCS Dup (1ID0825-BSD1) Prepared: 04/15/25 00:00 Analyzed: 04/15/25 12:55										
1,2-Dibromo-3-chloropropane	37.19	1.0	ug/L	50.1		74.2	77-128	34.0	30	Q3
Surrogate: Dibromofluoromethane	52.2		ug/L	50.2		104	57-134			
Surrogate: 1,2-Dichloroethane-d4	52.9		ug/L	50.1		106	53-140			
Surrogate: Toluene-d8	49.9		ug/L	50.4		99.1	86-114			
Surrogate: 4-Bromofluorobenzene	48.9		ug/L	50.1		97.5	78-121			
Matrix Spike (1ID0825-MS1) Source: 1ID0938-05RE1 Prepared: 04/15/25 00:00 Analyzed: 04/15/25 18:30										
1,2-Dibromo-3-chloropropane	399.6	10.0	ug/L	501	ND	79.7	63-138			
Surrogate: Dibromofluoromethane	535		ug/L	502		107	57-134			
Surrogate: 1,2-Dichloroethane-d4	533		ug/L	501		106	53-140			
Surrogate: Toluene-d8	504		ug/L	504		100	86-114			
Surrogate: 4-Bromofluorobenzene	490		ug/L	501		97.8	78-121			
Matrix Spike Dup (1ID0825-MSD1) Source: 1ID0938-05RE1 Prepared: 04/15/25 00:00 Analyzed: 04/15/25 18:52										
1,2-Dibromo-3-chloropropane	478.8	10.0	ug/L	501	ND	95.5	63-138	18.0	17	R1
Surrogate: Dibromofluoromethane	542		ug/L	502		108	57-134			
Surrogate: 1,2-Dichloroethane-d4	537		ug/L	501		107	53-140			
Surrogate: Toluene-d8	509		ug/L	504		101	86-114			
Surrogate: 4-Bromofluorobenzene	503		ug/L	501		100	78-121			
Batch 1ID0921 - EPA 5030B - EPA 8260D										
Blank (1ID0921-BLK1) Prepared: 04/16/25 00:00 Analyzed: 04/16/25 13:10										
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	50.1		ug/L	50.2		99.8	57-134			
Surrogate: 1,2-Dichloroethane-d4	49.4		ug/L	50.1		98.7	53-140			
Surrogate: Toluene-d8	50.0		ug/L	50.4		99.3	86-114			
Surrogate: 4-Bromofluorobenzene	50.0		ug/L	50.1		99.6	78-121			
LCS (1ID0921-BS1) Prepared: 04/16/25 00:00 Analyzed: 04/16/25 12:01										



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CERTIFICATE OF ANALYSIS

11D0938

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11D0921 - EPA 5030B - EPA 8260D										
LCS (11D0921-BS1) Prepared: 04/16/25 00:00 Analyzed: 04/16/25 12:01										
Allyl chloride	55.95	1.0	ug/L	50.0		112	40-154			
Chloroprene	62.92	1.0	ug/L	50.0		126	57-134			
Methacrylonitrile	52.90	1.0	ug/L	50.0		106	59-124			
Methyl Methacrylate	48.39	1.0	ug/L	50.0		96.8	64-130			
Propionitrile	50.47	10.0	ug/L	50.0		101	32-180			
Surrogate: Dibromofluoromethane	50.9		ug/L	50.2		102	57-134			
Surrogate: 1,2-Dichloroethane-d4	49.8		ug/L	50.1		99.5	53-140			
Surrogate: Toluene-d8	50.5		ug/L	50.4		100	86-114			
Surrogate: 4-Bromofluorobenzene	49.7		ug/L	50.1		99.1	78-121			
LCS Dup (11D0921-BSD1) Prepared: 04/16/25 00:00 Analyzed: 04/16/25 12:24										
Allyl chloride	52.99	1.0	ug/L	50.0		106	40-154	5.43	16	
Chloroprene	59.87	1.0	ug/L	50.0		120	57-134	4.97	15	
Methacrylonitrile	52.19	1.0	ug/L	50.0		104	59-124	1.35	17	
Methyl Methacrylate	48.69	1.0	ug/L	50.0		97.4	64-130	0.618	17	
Propionitrile	49.72	10.0	ug/L	50.0		99.4	32-180	1.50	21	
Surrogate: Dibromofluoromethane	50.0		ug/L	50.2		99.5	57-134			
Surrogate: 1,2-Dichloroethane-d4	48.8		ug/L	50.1		97.5	53-140			
Surrogate: Toluene-d8	50.0		ug/L	50.4		99.3	86-114			
Surrogate: 4-Bromofluorobenzene	49.7		ug/L	50.1		99.2	78-121			
Matrix Spike (11D0921-MS1) Source: 11D0938-06 Prepared: 04/16/25 00:00 Analyzed: 04/16/25 16:16										
Allyl chloride	509.3	10.0	ug/L	500	ND	102	60-140			
Chloroprene	579.2	10.0	ug/L	500	ND	116	62-121			
Methacrylonitrile	511.1	10.0	ug/L	500	ND	102	60-140			
Methyl Methacrylate	477.3	10.0	ug/L	500	ND	95.5	60-140			
Propionitrile	497.1	100	ug/L	500	ND	99.4	60-140			
Surrogate: Dibromofluoromethane	476		ug/L	502		94.8	57-134			
Surrogate: 1,2-Dichloroethane-d4	471		ug/L	501		94.0	53-140			
Surrogate: Toluene-d8	494		ug/L	504		98.0	86-114			
Surrogate: 4-Bromofluorobenzene	492		ug/L	501		98.0	78-121			
Matrix Spike Dup (11D0921-MSD1) Source: 11D0938-06 Prepared: 04/16/25 00:00 Analyzed: 04/16/25 16:38										
Allyl chloride	502.6	10.0	ug/L	500	ND	101	60-140	1.32	30	
Chloroprene	569.7	10.0	ug/L	500	ND	114	62-121	1.65	30	
Methacrylonitrile	513.5	10.0	ug/L	500	ND	103	60-140	0.468	30	
Methyl Methacrylate	480.5	10.0	ug/L	500	ND	96.1	60-140	0.668	30	
Propionitrile	468.3	100	ug/L	500	ND	93.7	60-140	5.97	30	
Surrogate: Dibromofluoromethane	473		ug/L	502		94.2	57-134			
Surrogate: 1,2-Dichloroethane-d4	470		ug/L	501		93.8	53-140			
Surrogate: Toluene-d8	496		ug/L	504		98.5	86-114			
Surrogate: 4-Bromofluorobenzene	498		ug/L	501		99.3	78-121			

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CERTIFICATE OF ANALYSIS

1ID0938

Determination of General Solvents	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0448 - Semi-Vol GC - EPA 8015C										
Blank (1ID0448-BLK1)			Prepared: 04/09/25 10:16 Analyzed: 04/15/25 01:38							
Isobutanol	<1.0	1.0	mg/L							
LCS (1ID0448-BS1)			Prepared: 04/09/25 10:16 Analyzed: 04/14/25 21:51							
Isobutanol	26.69	1.0	mg/L	24.0		111	77-128			
Matrix Spike (1ID0448-MS1)			Source: 1ID0938-05 Prepared: 04/09/25 10:16 Analyzed: 04/15/25 07:18							
Isobutanol	26.22	1.0	mg/L	24.0	ND	109	68-127			
Matrix Spike Dup (1ID0448-MSD1)			Source: 1ID0938-05 Prepared: 04/09/25 10:16 Analyzed: 04/15/25 07:55							
Isobutanol	26.15	1.0	mg/L	24.0	ND	109	68-127	0.267	30	

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0709 - 3520C BNA Cont Liq - EPA 8270C										
Blank (1ID0709-BLK1)			Prepared: 04/14/25 14:38 Analyzed: 04/18/25 11:56							
N-Nitrosodimethylamine	<8	8	ug/L							
Methyl Methanesulfonate	<8	8	ug/L							
N-Nitrosodiethylamine	<8	8	ug/L							
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							

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CERTIFICATE OF ANALYSIS

11D0938

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11D0709 - 3520C BNA Cont Liq - EPA 8270C									
Blank (11D0709-BLK1)				Prepared: 04/14/25 14:38 Analyzed: 04/18/25 11:56					
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						
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						
Diallyl	<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						

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CERTIFICATE OF ANALYSIS

1ID0938

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0709 - 3520C BNA Cont Liq - EPA 8270C									
Blank (1ID0709-BLK1)				Prepared: 04/14/25 14:38 Analyzed: 04/18/25 11:56					
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						
Chrysene	<8	8	ug/L						
Bis(2-Ethylhexyl) Phthalate	7.3	6	ug/L						B1
Kepone	<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	14.2		ug/L	20.6		69.0	10-159		
Surrogate: Phenol-d6	13.8		ug/L	19.6		70.5	10-162		
Surrogate: Nitrobenzene-d5	15.0		ug/L	20.6		73.2	17-154		
Surrogate: 2-Fluorobiphenyl	15.4		ug/L	19.5		79.0	15-150		
Surrogate: 2,4,6-Tribromophenol	20.9		ug/L	20.0		104	10-156		
Surrogate: Terphenyl-d14	20.6		ug/L	20.6		100	10-179		
LCS (1ID0709-BS1)				Prepared: 04/14/25 14:38 Analyzed: 04/18/25 12:20					
N-Nitrosodimethylamine	<8	8	ug/L	10.0		57.2	12-122		
Methyl Methanesulfonate	12.5	8	ug/L	20.0		62.3	49-110		
N-Nitrosodiethylamine	12.6	8	ug/L	20.0		63.0	19-139		

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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 1ID0709 - 3520C BNA Cont Liq - EPA 8270C									
LCS (1ID0709-BS1)				Prepared: 04/14/25 14:38 Analyzed: 04/18/25 12:20					
N-Nitrosomethylethylamine	11.7	8	ug/L	20.0		58.4		13-158	
Ethyl Methanesulfonate	11.3	8	ug/L	20.0		56.6		50-110	
Phenol	<8	8	ug/L	10.0		59.3		15-130	
Bis(2-Chloroethyl) Ether	<8	8	ug/L	10.0		60.8		28-128	
2-Chlorophenol	<8	8	ug/L	10.0		63.7		12-155	
Benzyl Alcohol	<8	8	ug/L	10.0		52.4		13-143	
2-Methylphenol (o-Cresol)	<8	8	ug/L	10.0		61.2		37-125	
Bis[2-Chloroisopropyl]ether	<8	8	ug/L	10.0		65.3		31-130	
n-Nitroso-di-n-propylamine	<8	8	ug/L	10.0		64.7		38-128	
N-Nitrosopyrrolidine	12.8	8	ug/L	20.0		63.8		22-143	
Acetophenone	12.4	8	ug/L	20.0		62.0		52-120	
o-Toluidine	<8	8	ug/L	20.0		14.9		10-110	
(3 & 4)-Methylphenol	<8	8	ug/L	10.0		66.4		35-129	
Hexachloroethane	<8	8	ug/L	10.0		55.1		19-110	
Nitrobenzene	<8	8	ug/L	10.0		68.0		26-148	
N-Nitrosopiperidine	12.7	8	ug/L	20.0		63.5		23-140	
Isophorone	<8	8	ug/L	10.0		65.4		37-134	
2-Nitrophenol	<8	8	ug/L	10.0		64.8		37-127	
2,4-Dimethylphenol	<8	8	ug/L	10.0		71.2		36-131	
Bis (2-Chloroethoxy) Methane	<8	8	ug/L	10.0		59.1		31-119	
2,4-Dichlorophenol	<8	8	ug/L	10.0		72.3		32-148	
Naphthalene	<8	8	ug/L	10.0		62.0		37-110	
2,6-Dichlorophenol	12.9	8	ug/L	20.0		64.4		28-154	
Hexachloropropene	<8	8	ug/L	20.0		26.6		10-110	
Hexachlorobutadiene	<8	8	ug/L	10.0		53.2		21-110	
N-Nitrosodi-n-butylamine	12.6	8	ug/L	20.0		62.8		24-135	
4-Chloro-3-methylphenol	<8	8	ug/L	10.0		79.1		32-146	
2-Methylnaphthalene	<8	8	ug/L	10.0		63.5		36-113	
Isosafrole	12.4	8	ug/L	20.0		62.2		43-117	
1,2,4,5-Tetrachlorobenzene	11.0	8	ug/L	20.0		54.9		34-110	
Hexachlorocyclopentadiene	<8	8	ug/L	10.0		21.1		10-110	
2,4,6-Trichlorophenol	<8	8	ug/L	10.0		77.8		32-159	
2,4,5-Trichlorophenol	8.8	8	ug/L	10.0		88.5		35-164	
Safrole	12.6	8	ug/L	20.0		62.9		34-122	
2-Chloronaphthalene	11.5	8	ug/L	10.0		115		18-136	
2-Nitroaniline	8.1	8	ug/L	10.0		80.6		35-151	
1,4-Naphthoquinone	15.3	8	ug/L	20.0		76.6		32-188	
Dimethylphthalate	8.4	8	ug/L	10.0		83.5		39-147	
1,3-Dinitrobenzene	8.2	8	ug/L	10.0		82.0		30-163	
1,2-Dinitrobenzene	<8	8	ug/L	10.0		79.0		31-159	
2,6-Dinitrotoluene	8.2	8	ug/L	10.0		81.7		42-144	
Acenaphthylene	<8	8	ug/L	10.0		65.1		35-122	

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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 11D0709 - 3520C BNA Cont Liq - EPA 8270C									
LCS (11D0709-BS1)									
				Prepared: 04/14/25 14:38 Analyzed: 04/18/25 12:20					
Acenaphthene	<8	8	ug/L	10.0		69.1	37-128		
2,4-Dinitrophenol	<8	8	ug/L	10.0		68.0	31-164		
4-Nitrophenol	9.5	8	ug/L	10.0		94.8	11-175		
Dibenzofuran	<8	8	ug/L	10.0		72.3	36-132		
2,4-Dinitrotoluene	9.1	8	ug/L	10.0		91.1	45-142		
2,3,4,6-Tetrachlorophenol	8.6	8	ug/L	10.0		86.2	22-159		
Pentachlorobenzene	12.5	8	ug/L	20.0		62.6	45-125		
Diethyl Phthalate	9.3	8	ug/L	10.0		92.6	38-155		
Fluorene	<8	8	ug/L	10.0		75.4	40-131		
4-Chlorophenyl Phenyl Ether	<8	8	ug/L	10.0		74.3	36-130		
4-Nitroaniline	<8	8	ug/L	10.0		44.3	10-142		
5-Nitro-o-toluidine	<8	8	ug/L	20.0		38.6	10-172		
4,6-Dinitro-2-methylphenol	<8	8	ug/L	10.0		68.3	32-150		
N-Nitrosodiphenylamine	<8	8	ug/L	10.0		58.0	10-154		
Diphenylamine	<8	8	ug/L	10.0		58.0	10-166		
Azobenzene	<8	8	ug/L	10.0		76.4	33-144		
Diallate	14.4	8	ug/L	20.0		71.8	47-152		
1,3,5-Trinitrobenzene	17.7	8	ug/L	20.0		88.4	51-151		
Phenacetin	16.5	8	ug/L	20.0		82.6	58-143		
4-Bromophenyl Phenyl Ether	8.3	8	ug/L	10.0		83.1	38-141		
Pentachlorophenol	8.2	8	ug/L	10.0		81.8	21-154		
Pronamide	16.0	8	ug/L	20.0		80.0	27-143		
Pentachloronitrobenzene (PCNB)	19.0	8	ug/L	20.0		94.8	51-163		
Phenanthrene	8.4	8	ug/L	10.0		84.1	42-141		
Anthracene	<8	8	ug/L	10.0		78.8	43-136		
Di-n-butyl Phthalate	9.3	8	ug/L	10.0		92.8	44-158		
Fluoranthene	9.0	8	ug/L	10.0		90.2	44-145		
Isodrin	16.6	8	ug/L	20.0		83.1	54-126		
Chlorobenzilate	14.5	8	ug/L	20.0		72.6	25-164		
Pyrene	8.8	8	ug/L	10.0		87.9	37-155		
p-(Dimethylamino)azobenzene	11.0	8	ug/L	20.0		55.2	10-175		
Butyl Benzyl Phthalate	9.1	8	ug/L	10.0		91.4	35-163		
Benzo(a)anthracene	8.6	8	ug/L	10.0		86.1	40-142		
Chrysene	8.8	8	ug/L	10.0		88.2	45-142		
Bis(2-Ethylhexyl) Phthalate	12.2	6	ug/L	10.0		122	32-180		
2-Acetylaminofluorene	20.3	8	ug/L	20.0		102	27-177		
Di-n-octyl Phthalate	11.2	8	ug/L	10.0		112	32-181		
Benzo(b)Fluoranthene	10.9	8	ug/L	10.0		109	40-160		
7,12-Dimethylbenz [a] anthracene	15.8	8	ug/L	20.0		79.1	46-128		
Benzo(k)Fluoranthene	10.6	8	ug/L	10.0		106	42-159		
Benzo(a)Pyrene	9.5	8	ug/L	10.0		94.9	45-143		

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CERTIFICATE OF ANALYSIS

11D0938

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11D0709 - 3520C BNA Cont Liq - EPA 8270C									
LCS (11D0709-BS1)									
				Prepared: 04/14/25 14:38 Analyzed: 04/18/25 12:20					
3-Methylcholanthrene	9.0	8	ug/L	20.0	45.1	10-164			
Dibenzo(a,h)anthracene	11.1	8	ug/L	10.0	111	30-159			
Indeno(1,2,3-cd)Pyrene	10.9	8	ug/L	10.0	109	31-156			
Benzo(g,h,i)perylene	10.8	8	ug/L	10.0	108	26-158			
Surrogate: 2-Fluorophenol	12.7		ug/L	20.6	61.7	10-159			
Surrogate: Phenol-d6	12.9		ug/L	19.6	66.1	10-162			
Surrogate: Nitrobenzene-d5	14.5		ug/L	20.6	70.4	34-138			
Surrogate: 2-Fluorobiphenyl	15.1		ug/L	19.5	77.5	42-129			
Surrogate: 2,4,6-Tribromophenol	23.2		ug/L	20.0	115	10-156			
Surrogate: Terphenyl-d14	22.1		ug/L	20.6	107	46-154			
LCS Dup (11D0709-BSD1)									
				Prepared: 04/14/25 14:38 Analyzed: 04/18/25 12:45					
N-Nitrosodimethylamine	<8	8	ug/L	10.0	61.8	12-122	7.73	27	
Methyl Methanesulfonate	12.9	8	ug/L	20.0	64.4	49-110	3.39	16	
N-Nitrosodiethylamine	13.4	8	ug/L	20.0	67.2	19-139	6.46	30	
N-Nitrosomethylethylamine	12.6	8	ug/L	20.0	62.8	13-158	7.25	30	
Ethyl Methanesulfonate	11.2	8	ug/L	20.0	55.8	50-110	1.51	17	
Phenol	<8	8	ug/L	10.0	62.5	15-130	5.25	30	
Bis(2-Chloroethyl) Ether	<8	8	ug/L	10.0	61.4	28-128	0.982	24	
2-Chlorophenol	<8	8	ug/L	10.0	66.6	12-155	4.45	30	
Benzyl Alcohol	<8	8	ug/L	10.0	59.4	13-143	12.5	30	
2-Methylphenol (o-Cresol)	<8	8	ug/L	10.0	64.9	37-125	5.87	30	
Bis[2-Chloroisopropyl]ether	<8	8	ug/L	10.0	69.2	31-130	5.80	26	
n-Nitroso-di-n-propylamine	<8	8	ug/L	10.0	69.8	38-128	7.58	21	
N-Nitrosopyrrolidine	13.4	8	ug/L	20.0	66.8	22-143	4.44	30	
Acetophenone	12.6	8	ug/L	20.0	63.2	52-120	1.92	22	
o-Toluidine	<8	8	ug/L	20.0	36.0	10-110	82.9	30	R1
(3 & 4)-Methylphenol	<8	8	ug/L	10.0	68.0	35-129	2.38	30	
Hexachloroethane	<8	8	ug/L	10.0	61.8	19-110	11.5	30	
Nitrobenzene	<8	8	ug/L	10.0	72.5	26-148	6.41	30	
N-Nitrosopiperidine	13.8	8	ug/L	20.0	69.2	23-140	8.66	30	
Isophorone	<8	8	ug/L	10.0	68.0	37-134	3.90	26	
2-Nitrophenol	<8	8	ug/L	10.0	70.7	37-127	8.71	30	
2,4-Dimethylphenol	<8	8	ug/L	10.0	76.1	36-131	6.65	30	
Bis (2-Chloroethoxy) Methane	<8	8	ug/L	10.0	60.7	31-119	2.67	30	
2,4-Dichlorophenol	<8	8	ug/L	10.0	75.5	32-148	4.33	30	
Naphthalene	<8	8	ug/L	10.0	67.0	37-110	7.75	30	
2,6-Dichlorophenol	13.0	8	ug/L	20.0	64.9	28-154	0.696	30	
Hexachloropropene	<8	8	ug/L	20.0	26.4	10-110	0.944	30	
Hexachlorobutadiene	<8	8	ug/L	10.0	61.9	21-110	15.1	30	
N-Nitrosodi-n-butylamine	13.1	8	ug/L	20.0	65.4	24-135	3.98	30	
4-Chloro-3-methylphenol	8.1	8	ug/L	10.0	80.8	32-146	2.13	30	
2-Methylnaphthalene	<8	8	ug/L	10.0	68.7	36-113	7.87	26	

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CERTIFICATE OF ANALYSIS

1ID0938

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch 1ID0709 - 3520C BNA Cont Liq - EPA 8270C								
LCS Dup (1ID0709-BSD1)				Prepared: 04/14/25 14:38 Analyzed: 04/18/25 12:45				
Isosafrole	12.5	8	ug/L	20.0	62.4	43-117	0.401	29
1,2,4,5-Tetrachlorobenzene	10.7	8	ug/L	20.0	53.7	34-110	2.21	30
Hexachlorocyclopentadiene	<8	8	ug/L	10.0	33.1	10-110	44.3	30 R1
2,4,6-Trichlorophenol	8.0	8	ug/L	10.0	79.9	32-159	2.66	30
2,4,5-Trichlorophenol	8.8	8	ug/L	10.0	88.5	35-164	0.00	30
Safrole	12.1	8	ug/L	20.0	60.5	34-122	3.89	30
2-Chloronaphthalene	11.6	8	ug/L	10.0	116	18-136	0.777	30
2-Nitroaniline	8.2	8	ug/L	10.0	82.4	35-151	2.21	21
1,4-Naphthoquinone	16.3	8	ug/L	20.0	81.7	32-188	6.44	30
Dimethylphthalate	8.5	8	ug/L	10.0	84.6	39-147	1.31	22
1,3-Dinitrobenzene	8.6	8	ug/L	10.0	85.5	30-163	4.18	26
1,2-Dinitrobenzene	8.0	8	ug/L	10.0	80.5	31-159	1.88	26
2,6-Dinitrotoluene	8.3	8	ug/L	10.0	83.4	42-144	2.06	20
Acenaphthylene	<8	8	ug/L	10.0	67.2	35-122	3.17	30
Acenaphthene	<8	8	ug/L	10.0	72.1	37-128	4.25	30
2,4-Dinitrophenol	<8	8	ug/L	10.0	59.7	31-164	13.0	30
4-Nitrophenol	9.5	8	ug/L	10.0	94.9	11-175	0.105	30
Dibenzofuran	<8	8	ug/L	10.0	73.4	36-132	1.51	30
2,4-Dinitrotoluene	9.1	8	ug/L	10.0	91.0	45-142	0.110	20
2,3,4,6-Tetrachlorophenol	8.5	8	ug/L	10.0	85.3	22-159	1.05	30
Pentachlorobenzene	11.9	8	ug/L	20.0	59.7	45-125	4.82	30
Diethyl Phthalate	9.4	8	ug/L	10.0	94.1	38-155	1.61	30
Fluorene	<8	8	ug/L	10.0	78.6	40-131	4.16	30
4-Chlorophenyl Phenyl Ether	<8	8	ug/L	10.0	78.0	36-130	4.86	22
4-Nitroaniline	<8	8	ug/L	10.0	59.8	10-142	29.8	30
5-Nitro-o-toluidine	<8	8	ug/L	20.0	33.2	10-172	15.2	30
4,6-Dinitro-2-methylphenol	<8	8	ug/L	10.0	72.3	32-150	5.69	30
N-Nitrosodiphenylamine	<8	8	ug/L	10.0	68.4	10-154	16.5	30
Diphenylamine	<8	8	ug/L	10.0	68.4	10-166	16.5	30
Azobenzene	8.1	8	ug/L	10.0	80.6	33-144	5.35	27
Diallate	13.6	8	ug/L	20.0	67.9	47-152	5.58	30
1,3,5-Trinitrobenzene	17.4	8	ug/L	20.0	86.8	51-151	1.88	30
Phenacetin	16.2	8	ug/L	20.0	80.8	58-143	2.14	24
4-Bromophenyl Phenyl Ether	8.7	8	ug/L	10.0	86.7	38-141	4.24	17
Pentachlorophenol	8.4	8	ug/L	10.0	83.9	21-154	2.53	30
Pronamide	16.5	8	ug/L	20.0	82.4	27-143	3.02	30
Pentachloronitrobenzene (PCNB)	18.1	8	ug/L	20.0	90.7	51-163	4.37	30
Phenanthrene	8.5	8	ug/L	10.0	84.9	42-141	0.947	30
Anthracene	<8	8	ug/L	10.0	78.8	43-136	0.00	30
Di-n-butyl Phthalate	9.3	8	ug/L	10.0	92.8	44-158	0.00	23
Fluoranthene	8.9	8	ug/L	10.0	88.6	44-145	1.79	26

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CERTIFICATE OF ANALYSIS

11D0938

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11D0709 - 3520C BNA Cont Liq - EPA 8270C									
LCS Dup (11D0709-BSD1)				Prepared: 04/14/25 14:38 Analyzed: 04/18/25 12:45					
Isodrin	16.4	8	ug/L	20.0	82.0	54-126	1.39	30	
Chlorobenzilate	16.7	8	ug/L	20.0	83.5	25-164	13.9	30	
Pyrene	9.2	8	ug/L	10.0	92.4	37-155	4.99	24	
p-(Dimethylamino)azobenzene	14.6	8	ug/L	20.0	73.0	10-175	27.8	30	
Butyl Benzyl Phthalate	9.4	8	ug/L	10.0	93.6	35-163	2.38	21	
Benzo(a)anthracene	8.8	8	ug/L	10.0	88.3	40-142	2.52	20	
Chrysene	9.0	8	ug/L	10.0	90.1	45-142	2.13	30	
Bis(2-Ethylhexyl) Phthalate	11.3	6	ug/L	10.0	113	32-180	7.31	30	
2-Acetylaminofluorene	19.0	8	ug/L	20.0	95.0	27-177	6.56	30	
Di-n-octyl Phthalate	9.8	8	ug/L	10.0	98.3	32-181	12.7	16	
Benzo(b)Fluoranthene	9.7	8	ug/L	10.0	96.9	40-160	11.6	24	
7,12-Dimethylbenz [a] anthracene	14.1	8	ug/L	20.0	70.4	46-128	11.7	30	
Benzo(k)Fluoranthene	9.6	8	ug/L	10.0	95.8	42-159	9.92	20	
Benzo(a)Pyrene	8.8	8	ug/L	10.0	88.2	45-143	7.32	30	
3-Methylcholanthrene	10.4	8	ug/L	20.0	52.0	10-164	14.2	30	
Dibenzo(a,h)anthracene	10.0	8	ug/L	10.0	100	30-159	9.87	26	
Indeno(1,2,3-cd)Pyrene	10.1	8	ug/L	10.0	101	31-156	7.92	30	
Benzo(g,h,i)perylene	10.2	8	ug/L	10.0	102	26-158	6.38	30	
Surrogate: 2-Fluorophenol	12.7		ug/L	20.6	61.7	10-159			
Surrogate: Phenol-d6	13.2		ug/L	19.6	67.6	10-162			
Surrogate: Nitrobenzene-d5	15.0		ug/L	20.6	72.9	34-138			
Surrogate: 2-Fluorobiphenyl	15.0		ug/L	19.5	76.8	42-129			
Surrogate: 2,4,6-Tribromophenol	22.7		ug/L	20.0	113	10-156			
Surrogate: Terphenyl-d14	22.3		ug/L	20.6	108	46-154			
Determination of Organophosphorus Insecticides	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11D0713 - 3510C NP/OC Sep Fnl - EPA 8141									
Blank (11D0713-BLK1)				Prepared: 04/14/25 14:50 Analyzed: 04/16/25 22:51					
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	6.12		ug/L	13.9	43.9	32-110			

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Determination of Organophosphorus Insecticides	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0713 - 3510C NP/OC Sep Fnl - EPA 8141									
LCS (1ID0713-BS1)				Prepared: 04/14/25 14:50 Analyzed: 04/17/25 03:46					
O,O,O-Triethyl phosphorothioate	2.22	0.4	ug/L	4.00		55.5 31-156			
Thionazin	2.69	0.4	ug/L	4.00		67.2 60-128			
Phorate	2.72	0.4	ug/L	4.00		68.0 33-143			
Dimethoate	3.84	0.4	ug/L	4.00		96.0 60-172			
Disulfoton	2.43	0.4	ug/L	4.00		60.8 51-134			
Methyl Parathion	2.44	0.4	ug/L	4.00		61.0 65-121			Q3
Parathion	2.17	0.4	ug/L	4.00		54.2 60-113			Q3
Famphur	2.99	0.4	ug/L	4.00		74.8 65-133			

Surrogate: 2-Nitro-m-xylene 11.3 ug/L 13.9 81.2 32-110

LCS Dup (1ID0713-BSD1)				Prepared: 04/14/25 14:50 Analyzed: 04/17/25 04:28					
O,O,O-Triethyl phosphorothioate	2.61	0.4	ug/L	4.00		65.2 31-156	16.1	30	
Thionazin	3.24	0.4	ug/L	4.00		81.0 60-128	18.5	30	
Phorate	3.08	0.4	ug/L	4.00		77.1 33-143	12.6	30	
Dimethoate	4.08	0.4	ug/L	4.00		102 60-172	6.06	30	
Disulfoton	2.48	0.4	ug/L	4.00		62.0 51-134	2.04	30	
Methyl Parathion	2.83	0.4	ug/L	4.00		70.8 65-121	14.8	30	
Parathion	2.48	0.4	ug/L	4.00		62.0 60-113	13.3	26	
Famphur	3.39	0.4	ug/L	4.00		84.8 65-133	12.5	30	

Surrogate: 2-Nitro-m-xylene 13.5 ug/L 13.9 97.1 32-110

Determination of Chlorinated Phenoxy Herbicides	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes

Batch 1ID0708 - EPA 8151A - EPA 8151A

Blank (1ID0708-BLK1)				Prepared: 04/14/25 14:35 Analyzed: 04/17/25 14:30					
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 1.20 ug/L 1.81 66.4 49-174

LCS (1ID0708-BS1)				Prepared: 04/14/25 14:35 Analyzed: 04/17/25 18:01					
2,4-D	<2.0	2.0	ug/L	1.00		61.2 38-135			
2,4,5-TP (Silvex)	<0.5	0.5	ug/L	0.500		67.2 50-137			
2,4,5-T	<0.5	0.5	ug/L	0.500		68.2 49-157			
Dinoseb	0.68	0.5	ug/L	1.00		67.9 10-129			

Surrogate: 2,5-Dichlorobenzoic Acid 1.33 ug/L 1.81 73.7 49-174

LCS Dup (1ID0708-BSD1)				Prepared: 04/14/25 14:35 Analyzed: 04/17/25 18:31					
2,4-D	<2.0	2.0	ug/L	1.00		67.0 38-135	9.15	30	



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Determination of Chlorinated Phenoxy Herbicides	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0708 - EPA 8151A - EPA 8151A									

LCS Dup (1ID0708-BSD1)				Prepared: 04/14/25 14:35 Analyzed: 04/17/25 18:31					
2,4,5-TP (Silvex)	<0.5	0.5	ug/L	0.500		64.5 50-137	4.02	30	
2,4,5-T	<0.5	0.5	ug/L	0.500		68.2 49-157	0.0909	30	
Dinoseb	0.66	0.5	ug/L	1.00		65.8 10-129	3.24	30	
Surrogate: 2,5-Dichlorobenzoic Acid	1.23		ug/L	1.81		68.0 49-174			

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0712 - 3510C NP/OC Sep Fnl - EPA 8081									

Blank (1ID0712-BLK1)				Prepared: 04/14/25 14:48 Analyzed: 04/16/25 13:16					
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	0.413		ug/L	0.600		68.8 45-111			

LCS (1ID0712-BS1)				Prepared: 04/14/25 14:48 Analyzed: 04/16/25 13:16					
Alpha-BHC	0.167	0.05	ug/L	0.250		66.9 60-125			
Gamma-BHC [Lindane]	0.188	0.05	ug/L	0.250		75.2 60-130			
Beta-BHC	0.178	0.05	ug/L	0.250		71.2 63-118			
Heptachlor	0.170	0.05	ug/L	0.250		68.2 67-130			
Delta-BHC	0.169	0.05	ug/L	0.250		67.5 65-143			
Aldrin	0.156	0.05	ug/L	0.250		62.4 59-114			
Heptachlor Epoxide	0.187	0.05	ug/L	0.250		74.7 56-129			
Endosulfan I	0.194	0.05	ug/L	0.250		77.8 64-134			

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Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0712 - 3510C NP/OC Sep Fnl - EPA 8081									
LCS (1ID0712-BS1)									
Prepared: 04/14/25 14:48 Analyzed: 04/16/25 13:31									
4,4'-DDE	0.180	0.05	ug/L	0.250		72.1	66-128		
Dieldrin	0.192	0.05	ug/L	0.250		76.6	62-121		
Endrin	0.197	0.05	ug/L	0.250		78.7	27-177		
4,4'-DDD	0.206	0.05	ug/L	0.250		82.3	64-131		
Endosulfan II	0.196	0.05	ug/L	0.250		78.4	68-130		
4,4'-DDT	0.173	0.05	ug/L	0.250		69.1	64-145		
Endrin Aldehyde	0.189	0.05	ug/L	0.250		75.4	50-135		
Endosulfan Sulfate	0.179	0.05	ug/L	0.250		71.7	72-121		Q3
Methoxychlor	0.183	0.05	ug/L	0.250		73.1	60-157		

Surrogate: Tetrachloro-m-xylene

0.369

ug/L

0.600

61.5 45-111

LCS Dup (1ID0712-BS1)

Prepared: 04/14/25 14:48 Analyzed: 04/16/25 13:48

Alpha-BHC	0.178	0.05	ug/L	0.250		71.3	60-125	6.37	30
Gamma-BHC [Lindane]	0.200	0.05	ug/L	0.250		80.2	60-130	6.32	30
Beta-BHC	0.192	0.05	ug/L	0.250		76.6	63-118	7.27	30
Heptachlor	0.182	0.05	ug/L	0.250		72.7	67-130	6.39	30
Delta-BHC	0.184	0.05	ug/L	0.250		73.4	65-143	8.36	30
Aldrin	0.166	0.05	ug/L	0.250		66.5	59-114	6.39	30
Heptachlor Epoxide	0.199	0.05	ug/L	0.250		79.6	56-129	6.40	30
Endosulfan I	0.210	0.05	ug/L	0.250		84.2	64-134	7.86	30
4,4'-DDE	0.194	0.05	ug/L	0.250		77.8	66-128	7.64	30
Dieldrin	0.206	0.05	ug/L	0.250		82.5	62-121	7.35	30
Endrin	0.213	0.05	ug/L	0.250		85.2	27-177	7.96	30
4,4'-DDD	0.226	0.05	ug/L	0.250		90.6	64-131	9.58	30
Endosulfan II	0.214	0.05	ug/L	0.250		85.6	68-130	8.69	30
4,4'-DDT	0.192	0.05	ug/L	0.250		76.6	64-145	10.3	30
Endrin Aldehyde	0.199	0.05	ug/L	0.250		79.4	50-135	5.20	30
Endosulfan Sulfate	0.197	0.05	ug/L	0.250		79.0	72-121	9.63	30
Methoxychlor	0.201	0.05	ug/L	0.250		80.4	60-157	9.58	30

Surrogate: Tetrachloro-m-xylene

0.359

ug/L

0.600

59.9 45-111

Determination of Polychlorinated Biphenyls (PCB)	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0711 - 3510C NP/OC Sep Fnl - EPA 8082A									
Blank (1ID0711-BLK1)									
Prepared: 04/14/25 14:44 Analyzed: 04/16/25 13:16									
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						

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Determination of	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Polychlorinated Biphenyls (PCB)										
Batch 1ID0711 - 3510C NP/OC Sep Fnl - EPA 8082A										
Blank (1ID0711-BLK1)				Prepared: 04/14/25 14:44 Analyzed: 04/16/25 13:16						
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	0.444		ug/L	0.600		74.0	50-116			
Surrogate: Decachlorobiphenyl	0.488		ug/L	0.600		81.3	38-122			
LCS (1ID0711-BS1)				Prepared: 04/14/25 14:44 Analyzed: 04/16/25 15:45						
Arochlor 1016	2.048	0.20	ug/L	2.60		78.8	54-124			
Arochlor 1260	2.050	0.20	ug/L	2.60		78.9	66-138			
Surrogate: Tetrachloro-m-xylene	0.416		ug/L	0.600		69.3	50-116			
Surrogate: Decachlorobiphenyl	0.515		ug/L	0.600		85.8	38-122			
LCS Dup (1ID0711-BSD1)				Prepared: 04/14/25 14:44 Analyzed: 04/16/25 16:02						
Arochlor 1016	1.834	0.20	ug/L	2.60		70.5	54-124	11.0	20	
Arochlor 1260	2.116	0.20	ug/L	2.60		81.4	66-138	3.14	24	
Surrogate: Tetrachloro-m-xylene	0.389		ug/L	0.600		64.8	50-116			
Surrogate: Decachlorobiphenyl	0.507		ug/L	0.600		84.4	38-122			
Determination of	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Conventional Chemistry Parameters										
Batch 1ID0572 - Wet Chem Preparation - EPA 9014										
Blank (1ID0572-BLK1)				Prepared: 04/10/25 15:58 Analyzed: 04/17/25 15:01						
Cyanide, total	<0.010	0.010	mg/L							
LCS (1ID0572-BS1)				Prepared: 04/10/25 15:58 Analyzed: 04/17/25 15:01						
Cyanide, total	0.0276	0.010	mg/L	0.0300		91.9	64-125			
Matrix Spike (1ID0572-MS1)				Source: 1ID0938-05 Prepared: 04/10/25 15:58 Analyzed: 04/17/25 15:01						
Cyanide, total	0.0271	0.010	mg/L	0.0300	ND	90.3	64-134			
Matrix Spike Dup (1ID0572-MSD1)				Source: 1ID0938-05 Prepared: 04/10/25 15:58 Analyzed: 04/17/25 15:01						
Cyanide, total	0.0174	0.010	mg/L	0.0300	ND	57.9	64-134	43.8	25 M2	
Batch 1ID0687 - Wet Chem Preparation - EPA 376.2										
Blank (1ID0687-BLK1)				Prepared: 04/14/25 11:23 Analyzed: 04/14/25 14:36						
Sulfide, total	<0.10	0.10	mg/L							
LCS (1ID0687-BS1)				Prepared: 04/14/25 11:23 Analyzed: 04/14/25 14:36						
Sulfide, total	0.298	0.10	mg/L	0.31		94.6	56-118			
Matrix Spike (1ID0687-MS1)				Source: 1ID0938-05 Prepared: 04/14/25 11:23 Analyzed: 04/14/25 14:36						
Sulfide, total	0.264	0.10	mg/L	0.31	ND	83.9	50-150			



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Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0687 - Wet Chem Preparation - EPA 376.2									
Matrix Spike Dup (1ID0687-MSD1)	Source: 1ID0938-05			Prepared: 04/14/25 11:23 Analyzed: 04/14/25 14:36					
Sulfide, total	0.232	0.10	mg/L	0.31	ND	73.6	50-150	13.0	30
Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID0783 - EPA 7470A Hg Water - EPA 7470A									
Blank (1ID0783-BLK1)	Prepared: 04/15/25 13:11 Analyzed: 04/16/25 12:12								
Mercury, total	<0.00050	0.00050	mg/L						
LCS (1ID0783-BS1)	Prepared: 04/15/25 13:11 Analyzed: 04/16/25 12:14								
Mercury, total	0.00254	0.00050	mg/L	0.00250		101	80-120		
Matrix Spike (1ID0783-MS1)	Source: 1ID0700-01			Prepared: 04/15/25 13:11 Analyzed: 04/16/25 12:23					
Mercury, total	0.00262	0.00050	mg/L	0.00250	ND	105	75-125		
Matrix Spike Dup (1ID0783-MSD1)	Source: 1ID0700-01			Prepared: 04/15/25 13:11 Analyzed: 04/16/25 12:25					
Mercury, total	0.00271	0.00050	mg/L	0.00250	ND	108	75-125	3.29	20
Batch 1ID1437 - EPA 3005A Total Recoverable Metals - EPA 6020A									
Blank (1ID1437-BLK1)	Prepared: 04/28/25 08:28 Analyzed: 06/20/25 14:25								
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						
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 (1ID1437-BS1)	Prepared: 04/28/25 08:28 Analyzed: 06/20/25 14:28								
Antimony, total	0.119	0.0010	mg/L	0.117		102	80-120		
Arsenic, total	0.102	0.0020	mg/L	0.117		87.6	80-120		
Barium, total	0.125	0.0010	mg/L	0.117		107	80-120		
Beryllium, total	0.103	0.0005	mg/L	0.117		87.9	80-120		
Cadmium, total	0.110	0.0002	mg/L	0.117		94.3	80-120		
Chromium, total	0.118	0.0010	mg/L	0.117		101	80-120		
Cobalt, total	0.0979	0.0005	mg/L	0.117		83.9	80-120		

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Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1437 - EPA 3005A Total Recoverable Metals - EPA 6020A									
LCS (1ID1437-BS1)				Prepared: 04/28/25 08:28 Analyzed: 06/20/25 14:28					
Copper, total	0.0978	0.0050	mg/L	0.117		83.8	80-120		
Lead, total	0.109	0.0010	mg/L	0.117		93.2	80-120		
Nickel, total	0.0946	0.0050	mg/L	0.117		81.1	80-120		
Selenium, total	0.1074	0.0020	mg/L	0.117		92.1	80-120		
Silver, total	0.122	0.0050	mg/L	0.117		104	80-120		
Thallium, total	0.113	0.0005	mg/L	0.117		97.3	80-120		
Tin, total	0.119	0.0050	mg/L	0.117		102	80-120		
Vanadium, total	0.101	0.0020	mg/L	0.117		86.2	80-120		
Zinc, total	0.0979	0.0050	mg/L	0.117		83.9	80-120		
Matrix Spike (1ID1437-MS1)		Source: 1ID0938-01		Prepared: 04/28/25 08:28 Analyzed: 06/20/25 14:32					
Antimony, total	0.121	0.0010	mg/L	0.100	ND	121	75-125		M1
Arsenic, total	0.102	0.0020	mg/L	0.100	0.0005	101	75-125		
Barium, total	0.172	0.0010	mg/L	0.100	0.0459	126	75-125		
Beryllium, total	0.102	0.0005	mg/L	0.100	ND	102	75-125		
Cadmium, total	0.110	0.0002	mg/L	0.100	0.0014	109	75-125		
Chromium, total	0.117	0.0010	mg/L	0.100	0.0007	116	75-125		
Cobalt, total	0.0952	0.0005	mg/L	0.100	0.0002	95.0	75-125		
Copper, total	0.0923	0.0050	mg/L	0.100	0.0020	90.2	75-125		
Lead, total	0.106	0.0010	mg/L	0.100	0.0002	106	75-125		
Nickel, total	0.0907	0.0050	mg/L	0.100	0.0017	89.0	75-125		
Selenium, total	0.1065	0.0020	mg/L	0.100	ND	106	75-125		
Silver, total	0.121	0.0050	mg/L	0.100	ND	121	75-125		
Thallium, total	0.116	0.0005	mg/L	0.100	ND	116	75-125		
Tin, total	0.120	0.0050	mg/L	0.100	0.0008	119	75-125		
Vanadium, total	0.102	0.0020	mg/L	0.100	0.0005	101	75-125		
Zinc, total	0.0996	0.0050	mg/L	0.100	0.0061	93.5	75-125		
Matrix Spike Dup (1ID1437-MSD1)		Source: 1ID0938-01		Prepared: 04/28/25 08:28 Analyzed: 06/20/25 14:35					
Antimony, total	0.118	0.0010	mg/L	0.100	ND	118	75-125	2.50	20
Arsenic, total	0.0995	0.0020	mg/L	0.100	0.0005	99.1	75-125	2.20	20
Barium, total	0.170	0.0010	mg/L	0.100	0.0459	124	75-125	0.856	20
Beryllium, total	0.0990	0.0005	mg/L	0.100	ND	99.0	75-125	3.01	20
Cadmium, total	0.109	0.0002	mg/L	0.100	0.0014	107	75-125	1.52	20
Chromium, total	0.115	0.0010	mg/L	0.100	0.0007	114	75-125	1.55	20
Cobalt, total	0.0914	0.0005	mg/L	0.100	0.0002	91.2	75-125	4.06	20
Copper, total	0.0929	0.0050	mg/L	0.100	0.0020	90.9	75-125	0.728	20
Lead, total	0.107	0.0010	mg/L	0.100	0.0002	106	75-125	0.168	20
Nickel, total	0.0886	0.0050	mg/L	0.100	0.0017	86.9	75-125	2.40	20
Selenium, total	0.1046	0.0020	mg/L	0.100	ND	105	75-125	1.74	20
Silver, total	0.117	0.0050	mg/L	0.100	ND	117	75-125	3.52	20
Thallium, total	0.112	0.0005	mg/L	0.100	ND	112	75-125	3.21	20
Tin, total	0.119	0.0050	mg/L	0.100	0.0008	118	75-125	1.34	20
Vanadium, total	0.101	0.0020	mg/L	0.100	0.0005	100	75-125	0.872	20
Zinc, total	0.0982	0.0050	mg/L	0.100	0.0061	92.1	75-125	1.46	20

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CERTIFICATE OF ANALYSIS

1ID0938

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1437 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Post Spike (1ID1437-PS1)		Source: 1ID0938-01		Prepared: 04/28/25 08:28 Analyzed: 06/20/25 14:37						
Antimony, total	0.0213		mg/L	0.0200	0.0004	104	80-120			
Arsenic, total	0.0192		mg/L	0.0200	0.0005	93.8	80-120			
Barium, total	0.0656		mg/L	0.0200	0.0450	103	80-120			
Beryllium, total	0.0188		mg/L	0.0200	0.000007	93.9	80-120			
Cadmium, total	0.0212		mg/L	0.0200	0.0014	99.1	80-120			
Chromium, total	0.0209		mg/L	0.0200	0.0007	101	80-120			
Cobalt, total	0.0168		mg/L	0.0200	0.0002	83.1	80-120			
Copper, total	0.0188		mg/L	0.0200	0.0020	84.3	80-120			
Lead, total	0.0195		mg/L	0.0200	0.0002	96.7	80-120			
Nickel, total	0.0180		mg/L	0.0200	0.0017	81.7	80-120			
Selenium, total	0.0195		mg/L	0.0200	0.0003	95.8	80-120			
Silver, total	0.0211		mg/L	0.0200	0.00002	106	80-120			
Thallium, total	0.0201		mg/L	0.0200	0.00002	100	80-120			
Tin, total	0.0212		mg/L	0.0200	0.0007	102	75-125			
Vanadium, total	0.0180		mg/L	0.0200	0.0004	87.9	80-120			
Zinc, total	0.0233		mg/L	0.0200	0.0060	86.5	80-120			
Batch 1ID1489 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1ID1489-BLK1)		Prepared: 04/28/25 16:06 Analyzed: 06/20/25 15:38								
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							B
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 (1ID1489-BS1)		Prepared: 04/28/25 16:06 Analyzed: 06/20/25 15:41								
Antimony, total	0.119	0.0010	mg/L	0.117		102	80-120			
Arsenic, total	0.100	0.0020	mg/L	0.117		85.7	80-120			
Barium, total	0.128	0.0010	mg/L	0.117		109	80-120			
Beryllium, total	0.102	0.0005	mg/L	0.117		87.5	80-120			
Cadmium, total	0.110	0.0002	mg/L	0.117		94.0	80-120			
Chromium, total	0.118	0.0010	mg/L	0.117		101	80-120			
Cobalt, total	0.100	0.0005	mg/L	0.117		85.7	80-120			
Copper, total	0.0968	0.0050	mg/L	0.117		83.0	80-120			

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CERTIFICATE OF ANALYSIS

1ID0938

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1489 - EPA 3005A Total Recoverable Metals - EPA 6020A										
LCS (1ID1489-BS1) Prepared: 04/28/25 16:06 Analyzed: 06/20/25 15:41										
Lead, total	0.108	0.0010	mg/L	0.117		92.9	80-120			
Nickel, total	0.0935	0.0050	mg/L	0.117		80.1	80-120			
Selenium, total	0.1059	0.0020	mg/L	0.117		90.8	80-120			
Silver, total	0.120	0.0050	mg/L	0.117		103	80-120			
Thallium, total	0.117	0.0005	mg/L	0.117		100	80-120			
Vanadium, total	0.101	0.0020	mg/L	0.117		86.5	80-120			
Zinc, total	0.0977	0.0050	mg/L	0.117		83.8	80-120			
Matrix Spike (1ID1489-MS1) Source: 1ID1083-01 Prepared: 04/28/25 16:06 Analyzed: 06/20/25 15:46										
Antimony, total	0.128	0.0010	mg/L	0.100	ND	128	75-125			M1
Arsenic, total	0.105	0.0020	mg/L	0.100	0.0030	102	75-125			
Barium, total	0.175	0.0010	mg/L	0.100	0.0419	134	75-125			M1
Beryllium, total	0.101	0.0005	mg/L	0.100	ND	101	75-125			
Cadmium, total	0.113	0.0002	mg/L	0.100	ND	113	75-125			
Chromium, total	0.122	0.0010	mg/L	0.100	0.0010	121	75-125			
Cobalt, total	0.0993	0.0005	mg/L	0.100	0.0016	97.7	75-125			
Copper, total	0.0945	0.0050	mg/L	0.100	0.0018	92.7	75-125			
Lead, total	0.111	0.0010	mg/L	0.100	0.0002	111	75-125			
Nickel, total	0.112	0.0050	mg/L	0.100	0.0210	90.6	75-125			
Selenium, total	0.1104	0.0020	mg/L	0.100	0.0010	109	75-125			
Silver, total	0.127	0.0050	mg/L	0.100	ND	127	75-125			M1
Thallium, total	0.120	0.0005	mg/L	0.100	ND	120	75-125			
Vanadium, total	0.106	0.0020	mg/L	0.100	0.0007	105	75-125			
Zinc, total	0.138	0.0050	mg/L	0.100	0.0427	95.3	75-125			
Matrix Spike Dup (1ID1489-MSD1) Source: 1ID1083-01 Prepared: 04/28/25 16:06 Analyzed: 06/20/25 15:48										
Antimony, total	0.122	0.0010	mg/L	0.100	ND	122	75-125	4.76	20	
Arsenic, total	0.0986	0.0020	mg/L	0.100	0.0030	95.5	75-125	6.10	20	
Barium, total	0.169	0.0010	mg/L	0.100	0.0419	128	75-125	3.48	20	M1
Beryllium, total	0.0924	0.0005	mg/L	0.100	ND	92.4	75-125	9.01	20	
Cadmium, total	0.108	0.0002	mg/L	0.100	ND	108	75-125	4.23	20	
Chromium, total	0.117	0.0010	mg/L	0.100	0.0010	116	75-125	3.83	20	
Cobalt, total	0.0942	0.0005	mg/L	0.100	0.0016	92.5	75-125	5.29	20	
Copper, total	0.0900	0.0050	mg/L	0.100	0.0018	88.2	75-125	4.89	20	
Lead, total	0.107	0.0010	mg/L	0.100	0.0002	107	75-125	3.66	20	
Nickel, total	0.108	0.0050	mg/L	0.100	0.0210	86.7	75-125	3.49	20	
Selenium, total	0.1035	0.0020	mg/L	0.100	0.0010	102	75-125	6.46	20	
Silver, total	0.120	0.0050	mg/L	0.100	ND	120	75-125	6.22	20	
Thallium, total	0.114	0.0005	mg/L	0.100	ND	114	75-125	4.82	20	
Vanadium, total	0.101	0.0020	mg/L	0.100	0.0007	100	75-125	4.53	20	
Zinc, total	0.133	0.0050	mg/L	0.100	0.0427	90.1	75-125	3.83	20	
Post Spike (1ID1489-PS1) Source: 1ID1083-01 Prepared: 04/28/25 16:06 Analyzed: 06/20/25 15:56										
Antimony, total	0.0225		mg/L	0.0200	0.0004	111	80-120			
Arsenic, total	0.0217		mg/L	0.0200	0.0029	93.6	80-120			
Barium, total	0.0628		mg/L	0.0200	0.0411	108	80-120			

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CERTIFICATE OF ANALYSIS

1ID0938

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1ID1489 - EPA 3005A Total Recoverable Metals - EPA 6020A									
Post Spike (1ID1489-PS1)		Source: 1ID1083-01		Prepared: 04/28/25 16:06 Analyzed: 06/20/25 15:56					
Beryllium, total	0.0180		mg/L	0.0200	0.00001	89.9	80-120		
Cadmium, total	0.0207		mg/L	0.0200	0.00009	103	80-120		
Chromium, total	0.0221		mg/L	0.0200	0.0010	105	80-120		
Cobalt, total	0.0184		mg/L	0.0200	0.0016	84.2	80-120		
Copper, total	0.0187		mg/L	0.0200	0.0018	84.9	80-120		
Lead, total	0.0201		mg/L	0.0200	0.0002	99.4	80-120		
Nickel, total	0.0372		mg/L	0.0200	0.0205	83.4	80-120		
Selenium, total	0.0211		mg/L	0.0200	0.0010	100	80-120		
Silver, total	0.0219		mg/L	0.0200	0.00001	110	80-120		
Thallium, total	0.0207		mg/L	0.0200	0.000002	104	80-120		
Vanadium, total	0.0186		mg/L	0.0200	0.0006	90.0	80-120		
Zinc, total	0.0597		mg/L	0.0200	0.0418	89.3	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							
Cadmium, total	<0.0002	0.0002	mg/L						
Copper, total	<0.0050	0.0050	mg/L						
Selenium, total	<0.0020	0.0020	mg/L						
Zinc, total	<0.0050	0.0050	mg/L						B
LCS (1IF1340-BS1)		Prepared: 06/25/25 09:33 Analyzed: 06/25/25 22:42							
Cadmium, total	0.0980	0.0002	mg/L	0.100		98.0	80-120		
Copper, total	0.0934	0.0050	mg/L	0.100		93.4	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 (1IF1340-MS1)		Source: 1ID0938-06RE1		Prepared: 06/25/25 09:33 Analyzed: 06/25/25 22:49					
Cadmium, total	0.0982	0.0002	mg/L	0.100	0.0002	97.9	75-125		
Copper, total	0.0893	0.0050	mg/L	0.100	0.0027	86.7	75-125		
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 (1IF1340-MSD1)		Source: 1ID0938-06RE1		Prepared: 06/25/25 09:33 Analyzed: 06/25/25 22:52					
Cadmium, total	0.102	0.0002	mg/L	0.100	0.0002	101	75-125	3.42	20
Copper, total	0.0907	0.0050	mg/L	0.100	0.0027	88.0	75-125	1.51	20
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 (1IF1340-PS1)		Source: 1ID0938-06RE1		Prepared: 06/25/25 09:33 Analyzed: 06/25/25 22:54					
Cadmium, total	0.0191		mg/L	0.0200	0.0002	94.5	80-120		
Copper, total	0.0194		mg/L	0.0200	0.0027	83.7	80-120		
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		

Batch 1IG0146 - EPA 3005A Total Recoverable Metals - EPA 6020A

Blank (1IG0146-BLK1)		Prepared: 07/02/25 16:07 Analyzed: 07/03/25 17:30							



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1ID0938

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IG0146 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1IG0146-BLK1)				Prepared: 07/02/25 16:07 Analyzed: 07/03/25 17:30						
Cadmium, total	<0.0002	0.0002	mg/L							
LCS (1IG0146-BS1)				Prepared: 07/02/25 16:07 Analyzed: 07/03/25 17:32						
Cadmium, total	0.0964	0.0002	mg/L	0.100		96.4	80-120			
Matrix Spike (1IG0146-MS1)				Source: 1ID0938-04RE1 Prepared: 07/02/25 16:07 Analyzed: 07/03/25 17:47						
Cadmium, total	0.0961	0.0002	mg/L	0.100	0.0018	94.2	75-125			
Matrix Spike Dup (1IG0146-MSD1)				Source: 1ID0938-04RE1 Prepared: 07/02/25 16:07 Analyzed: 07/03/25 17:49						
Cadmium, total	0.101	0.0002	mg/L	0.100	0.0018	98.7	75-125	4.53	20	
Post Spike (1IG0146-PS1)				Source: 1ID0938-04RE1 Prepared: 07/02/25 16:07 Analyzed: 07/03/25 17:51						
Cadmium, total	0.0215		mg/L	0.0200	0.0018	98.2	80-120			

Definitions

B:	The target analyte was detected in the blank at or above the method acceptance criteria.
B1:	The target analyte was detected in the method blank at or above the method acceptance criteria. The sample concentration is below the method acceptance criteria.
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: 1.1°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
07/08/25 15:21

CHAIN OF CUSTODY RECORD



600 East 17th Street South
Newton, IA 50208
641-792-8451

SITE INFORMATION

Sampler: Todd Whipple
Project: Northern Plains SLF-New Regs
6021-

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

Accounts Payable
Northern Plains Regional Landfill
101 W 5th St
Spencer, IA 51301

SPECIAL INSTRUCTIONS

None
Turn Around Time
☐ Standard ☐ RUSH, need by ___/___/___

LAB USE ONLY

Work Order _____
Temperature _____
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-11 (up)	Aqueous	GRAB	4/7/25	12:58	7	landfill-app1-voc-group landfill-app1-metals-6020	
-001	MW-12 (up)	Aqueous	GRAB	4/7/25	13:08	7	landfill-app1-voc-group landfill-app1-metals-6020	
-001	MW-17 (up)	Aqueous	GRAB	4/7/25	11:07	7	landfill-app1-voc-group landfill-app1-metals-6020	
-001	MW-3AR	Aqueous	GRAB	4/7/25	10:17	7	landfill-app1-voc-group landfill-app1-metals-6020	
-001	MW-5B	Aqueous	GRAB	4/7/25	9:41	18	landfill-app2-inorg-6020 landfill-app2-org	
-001	MW-7A	Aqueous	GRAB	4/7/25	15:22	17	landfill-app2-inorg-6020 landfill-app2-org	
-001	MW-7B	Aqueous	GRAB	4/7/25	14:55	17	landfill-app2-inorg-6020 landfill-app2-org	

Relinquished By: [Signature] 4/10/25
Date/Time

Relinquished By: [Signature]
Date/Time
Received for Lab By: [Signature]
Date/Time

Remarks:

CHAIN OF CUSTODY RECORD



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SITE INFORMATION

Sampler: Todd Whipple

Project: Northern Plains SLF-New Regs

6021-

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

Accounts Payable
Northern Plains Regional Landfill
101 W 5th St
Spencer, IA 51301

SPECIAL INSTRUCTIONS

None

Turn Around Time

☐ Standard ☐ RUSH, need by ___/___/___

LAB USE ONLY

Work Order

Temperature

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-8	Aqueous	GRAB	4/7/25	13:48	17	Indfil-app2-inorg-6020 Indfil-app2-org	
-001	MW-9	Aqueous	GRAB	4/7/25	11:20	7	Indfil-app1-voc-group Indfil-app1-metals-6020	
-001	MW-10	Aqueous	GRAB	4/7/25	11:45	7	Indfil-app1-voc-group Indfil-app1-metals-6020	
-001	MW-14	Aqueous	GRAB	4/7/25	9:10	17	Indfil-app2-inorg-6020 Indfil-app2-org	
-001	MW-15	Aqueous	GRAB	4/7/25	14:28	17	Indfil-app2-inorg-6020 Indfil-app2-org	
-001	MW-16	Aqueous	GRAB	4/7/25	10:50	7	Indfil-app1-voc-group Indfil-app1-metals-6020	
-001	GU-1	Aqueous	GRAB	4/7/25	11:30	7	Indfil-app1-voc-group Indfil-app1-metals-6020	

Relinquished By [Signature] Date/Time 4/8/25

Relinquished By

Date/Time

Received By [Signature] Date/Time 4/8/25

Received for Lab By

Date/Time

Remarks:

Original - Lab Copy Yellow - Sampler Copy

CHAIN OF CUSTODY RECORD



600 East 17th Street South
Newton, IA 50206
641-792-2451

SITE INFORMATION

Sampler: Tordis WHIPPE

Project: Northern Plains SLF-New Regs
6021-

SPECIAL INSTRUCTIONS

2007

Turn Around Time ☐ Standard ☐ RUSH, need by ____/____/____

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

Accounts Payable
Northern Plains Regional Landfill
101 W 5th St
Spencer, IA 51301

LAB USE ONLY

Work Order

Temperature

Turn-Cooler:

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	GU-2	Aqueous	GRAB	<u>4/7/25</u>	<u>10:35</u>	<u>7</u>	Indfill-app1-voc-group	Indfill-app1-metals-6020
-001	Duplicate	Aqueous	GRAB	<u>4/7/25</u>	<u>✓</u>	<u>1</u>	Indfill-app1-metals-6020	
-001	MW-13 (up)	Aqueous	GRAB	<u>4/7/25</u>	<u>12:50</u>	<u>1</u>	Indfill-app1-metals-6020	
-001	MW-18 (up)	Aqueous	GRAB	<u>4/7/25</u>	<u>12:25</u>	<u>1</u>	Indfill-app1-metals-6020	
-001	MW-19 (up)	Aqueous	GRAB	<u>4/7/25</u>	<u>12:21</u>	<u>1</u>	Indfill-app1-metals-6020	
-001	MW-20 (up)	Aqueous	GRAB	<u>4/7/25</u>	<u>12:07</u>	<u>1</u>	Indfill-app1-metals-6020	
-001	MW-21 (up)	Aqueous	GRAB	<u>4/7/25</u>	<u>12:03</u>	<u>1</u>	Indfill-app1-metals-6020	

Remarks:

Relinquished By	Date/Time	Relinquished By	Date/Time
<i>[Signature]</i>	<i>2007/8/25</i>	<i>[Signature]</i>	<i>2007/8/25 1130</i>
Received By	Date/Time	Received for Lab By	Date/Time
		<i>[Signature]</i>	<i>2007/8/25 1130</i>

Original - Lab Copy Yellow - Sampler Copy



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CERTIFICATE OF ANALYSIS

11J1987

Project Description

6021-

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Wednesday, November 5, 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

1IJ1987

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: 6021-

Project / PO Number: N/A
Received: 10/22/2025
Reported: 11/05/2025

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-11 (up)	1IJ1987-01	Aqueous	GRAB		10/20/25 09:34	10/22/25 09:30
MW-12 (up)	1IJ1987-02	Aqueous	GRAB		10/20/25 09:40	10/22/25 09:30
MW-17 (up)	1IJ1987-03	Aqueous	GRAB		10/20/25 12:17	10/22/25 09:30
MW-7B	1IJ1987-04	Aqueous	GRAB		10/20/25 10:55	10/22/25 09:30
MW-8	1IJ1987-05	Aqueous	GRAB		10/20/25 11:35	10/22/25 09:30
MW-9	1IJ1987-06	Aqueous	GRAB		10/20/25 12:02	10/22/25 09:30
MW-10	1IJ1987-07	Aqueous	GRAB		10/20/25 12:36	10/22/25 09:30
MW-14	1IJ1987-08	Aqueous	GRAB		10/20/25 10:40	10/22/25 09:30
MW-15	1IJ1987-09	Aqueous	GRAB		10/20/25 11:15	10/22/25 09:30
MW-16	1IJ1987-10	Aqueous	GRAB		10/20/25 11:25	10/22/25 09:30
GU-1	1IJ1987-11	Aqueous	GRAB		10/20/25 12:08	10/22/25 09:30
GU-2	1IJ1987-12	Aqueous	GRAB		10/20/25 10:27	10/22/25 09:30
Duplicate	1IJ1987-13	Aqueous	GRAB		10/20/25 00:00	10/22/25 09:30
MW-18 (up)	1IJ1987-14	Aqueous	GRAB		10/20/25 12:47	10/22/25 09:30
MW-19 (up)	1IJ1987-15	Aqueous	GRAB		10/20/25 08:52	10/22/25 09:30
MW-20 (up)	1IJ1987-16	Aqueous	GRAB		10/20/25 08:13	10/22/25 09:30
MW-21 (up)	1IJ1987-17	Aqueous	GRAB		10/20/25 08:20	10/22/25 09:30



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IJ1987

Analytical Testing Parameters

Client Sample ID:	MW-11 (up)	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	10/20/2025 9:34
Lab Sample ID:	1IJ1987-01		

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Bromomethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Chloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Acetone	<10.0	10.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Chloroform	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Benzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Dibromomethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Toluene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Xylenes, total	<2.0	2.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Styrene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF

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CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: MW-11 (up)
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-01

Collected By: Whipple, Todd
Collection Date: 10/20/2025 9:34

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Bromoform	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1238	RAF
Surrogate: Dibromofluoromethane	93.2	Limit: 57-128	% Rec		10/24/25 0000	10/24/25 1238	RAF
Surrogate: Dibromofluoromethane	93.2	Limit: 75-136	% Rec		10/24/25 0000	10/24/25 1238	RAF
Surrogate: 1,2-Dichloroethane-d4	115	Limit: 61-142	% Rec		10/24/25 0000	10/24/25 1238	RAF
Surrogate: 1,2-Dichloroethane-d4	115	Limit: 49-135	% Rec		10/24/25 0000	10/24/25 1238	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/24/25 0000	10/24/25 1238	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		10/24/25 0000	10/24/25 1238	RAF
Surrogate: 4-Bromofluorobenzene	104	Limit: 80-116	% Rec		10/24/25 0000	10/24/25 1238	RAF
Surrogate: 4-Bromofluorobenzene	104	Limit: 77-114	% Rec		10/24/25 0000	10/24/25 1238	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1743	RVV
Arsenic	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1743	RVV
Barium	0.0530	0.0010	mg/L		10/23/25 1556	10/27/25 1743	RVV
Beryllium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1743	RVV
Cadmium	0.0010	0.0002	mg/L		10/23/25 1556	10/27/25 1743	RVV
Chromium	<0.0010	0.0010	mg/L		10/28/25 1614	10/29/25 1746	RVV
Cobalt	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1743	RVV
Copper	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1743	RVV
Lead	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1743	RVV
Nickel	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1743	RVV
Selenium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1743	RVV
Silver	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1743	RVV
Thallium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1743	RVV
Vanadium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1743	RVV
Zinc	0.0085	0.0050	mg/L		10/23/25 1556	10/27/25 1743	RVV

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: MW-12 (up)
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-02

Collected By: Whipple, Todd
Collection Date: 10/20/2025 9:40

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Bromomethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Chloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Acetone	<10.0	10.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Chloroform	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Benzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Dibromomethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Toluene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Xylenes, total	<2.0	2.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Styrene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Bromoform	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: MW-12 (up)
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-02

Collected By: Whipple, Todd
Collection Date: 10/20/2025 9:40

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1301	RAF
Surrogate: Dibromofluoromethane	93.3	Limit: 75-136	% Rec		10/24/25 0000	10/24/25 1301	RAF
Surrogate: Dibromofluoromethane	93.3	Limit: 57-128	% Rec		10/24/25 0000	10/24/25 1301	RAF
Surrogate: 1,2-Dichloroethane-d4	113	Limit: 49-135	% Rec		10/24/25 0000	10/24/25 1301	RAF
Surrogate: 1,2-Dichloroethane-d4	113	Limit: 61-142	% Rec		10/24/25 0000	10/24/25 1301	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec		10/24/25 0000	10/24/25 1301	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec		10/24/25 0000	10/24/25 1301	RAF
Surrogate: 4-Bromofluorobenzene	101	Limit: 77-114	% Rec		10/24/25 0000	10/24/25 1301	RAF
Surrogate: 4-Bromofluorobenzene	101	Limit: 80-116	% Rec		10/24/25 0000	10/24/25 1301	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1759	RVV
Arsenic	0.0044	0.0020	mg/L		10/23/25 1556	10/27/25 1759	RVV
Barium	0.0989	0.0010	mg/L		10/23/25 1556	10/27/25 1759	RVV
Beryllium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1759	RVV
Cadmium	0.0004	0.0002	mg/L		10/23/25 1556	10/27/25 1759	RVV
Chromium	0.0017	0.0010	mg/L		10/28/25 1130	10/28/25 1754	RVV
Cobalt	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1759	RVV
Copper	<0.0050	0.0050	mg/L		10/28/25 1130	10/28/25 1754	RVV
Lead	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1759	RVV
Nickel	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1759	RVV
Selenium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1759	RVV
Silver	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1759	RVV
Thallium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1759	RVV
Vanadium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1759	RVV
Zinc	0.0117	0.0050	mg/L		10/23/25 1556	10/27/25 1759	RVV

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CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: MW-17 (up)
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-03

Collected By: Whipple, Todd
Collection Date: 10/20/2025 12:17

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Bromomethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Chloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Acetone	<10.0	10.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Chloroform	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Benzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Dibromomethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Toluene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Xylenes, total	<2.0	2.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Styrene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Bromoform	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF

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CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: MW-17 (up)
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-03

Collected By: Whipple, Todd
Collection Date: 10/20/2025 12:17

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1324	RAF
Surrogate: Dibromofluoromethane	89.6	Limit: 75-136	% Rec		10/24/25 0000	10/24/25 1324	RAF
Surrogate: Dibromofluoromethane	89.6	Limit: 57-128	% Rec		10/24/25 0000	10/24/25 1324	RAF
Surrogate: 1,2-Dichloroethane-d4	110	Limit: 61-142	% Rec		10/24/25 0000	10/24/25 1324	RAF
Surrogate: 1,2-Dichloroethane-d4	110	Limit: 49-135	% Rec		10/24/25 0000	10/24/25 1324	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/24/25 0000	10/24/25 1324	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		10/24/25 0000	10/24/25 1324	RAF
Surrogate: 4-Bromofluorobenzene	101	Limit: 80-116	% Rec		10/24/25 0000	10/24/25 1324	RAF
Surrogate: 4-Bromofluorobenzene	101	Limit: 77-114	% Rec		10/24/25 0000	10/24/25 1324	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1801	RVV
Arsenic	0.0026	0.0020	mg/L		10/23/25 1556	10/27/25 1801	RVV
Barium	0.164	0.0010	mg/L		10/23/25 1556	10/27/25 1801	RVV
Beryllium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1801	RVV
Cadmium	0.0002	0.0002	mg/L		10/23/25 1556	10/27/25 1801	RVV
Chromium	<0.0010	0.0010	mg/L		10/28/25 1614	10/29/25 1748	RVV
Cobalt	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1801	RVV
Copper	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1801	RVV
Lead	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1801	RVV
Nickel	0.0068	0.0050	mg/L		10/23/25 1556	10/27/25 1801	RVV
Selenium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1801	RVV
Silver	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1801	RVV
Thallium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1801	RVV
Vanadium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1801	RVV
Zinc	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1801	RVV

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CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: MW-7B
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-04

Collected By: Whipple, Todd
Collection Date: 10/20/2025 10:55

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Bromomethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Chloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Acetone	<10.0	10.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Carbon Disulfide	1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Chloroform	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Benzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Dibromomethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Toluene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Xylenes, total	<2.0	2.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Styrene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Bromoform	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF

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CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: MW-7B
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-04

Collected By: Whipple, Todd
Collection Date: 10/20/2025 10:55

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1346	RAF
Surrogate: Dibromofluoromethane	97.2	Limit: 75-136	% Rec		10/24/25 0000	10/24/25 1346	RAF
Surrogate: Dibromofluoromethane	97.2	Limit: 57-128	% Rec		10/24/25 0000	10/24/25 1346	RAF
Surrogate: 1,2-Dichloroethane-d4	116	Limit: 61-142	% Rec		10/24/25 0000	10/24/25 1346	RAF
Surrogate: 1,2-Dichloroethane-d4	116	Limit: 49-135	% Rec		10/24/25 0000	10/24/25 1346	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec		10/24/25 0000	10/24/25 1346	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec		10/24/25 0000	10/24/25 1346	RAF
Surrogate: 4-Bromofluorobenzene	102	Limit: 77-114	% Rec		10/24/25 0000	10/24/25 1346	RAF
Surrogate: 4-Bromofluorobenzene	102	Limit: 80-116	% Rec		10/24/25 0000	10/24/25 1346	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1804	RVV
Arsenic	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1804	RVV
Barium	0.821	0.0010	mg/L		10/23/25 1556	10/27/25 1804	RVV
Beryllium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1804	RVV
Cadmium	0.0005	0.0002	mg/L		10/23/25 1556	10/27/25 1804	RVV
Chromium	0.0010	0.0010	mg/L		10/28/25 1614	10/29/25 1803	RVV
Cobalt	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1804	RVV
Copper	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1804	RVV
Lead	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1804	RVV
Nickel	0.0114	0.0050	mg/L		10/23/25 1556	10/27/25 1804	RVV
Selenium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1804	RVV
Silver	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1804	RVV
Thallium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1804	RVV
Vanadium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1804	RVV
Zinc	0.0069	0.0050	mg/L		10/23/25 1556	10/27/25 1804	RVV

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CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: MW-8
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-05

Collected By: Whipple, Todd
Collection Date: 10/20/2025 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		10/24/25 0000	10/24/25 1409	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Bromomethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Chloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Acetone	<10.0	10.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Chloroform	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Benzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Dibromomethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Toluene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Xylenes, total	<2.0	2.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Styrene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Bromoform	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF

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CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: MW-8
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-05

Collected By: Whipple, Todd
Collection Date: 10/20/2025 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		10/24/25 0000	10/24/25 1409	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1409	RAF
Surrogate: Dibromofluoromethane	94.0	Limit: 57-128	% Rec		10/24/25 0000	10/24/25 1409	RAF
Surrogate: Dibromofluoromethane	94.0	Limit: 75-136	% Rec		10/24/25 0000	10/24/25 1409	RAF
Surrogate: 1,2-Dichloroethane-d4	118	Limit: 49-135	% Rec		10/24/25 0000	10/24/25 1409	RAF
Surrogate: 1,2-Dichloroethane-d4	118	Limit: 61-142	% Rec		10/24/25 0000	10/24/25 1409	RAF
Surrogate: Toluene-d8	104	Limit: 82-121	% Rec		10/24/25 0000	10/24/25 1409	RAF
Surrogate: Toluene-d8	104	Limit: 82-116	% Rec		10/24/25 0000	10/24/25 1409	RAF
Surrogate: 4-Bromofluorobenzene	101	Limit: 77-114	% Rec		10/24/25 0000	10/24/25 1409	RAF
Surrogate: 4-Bromofluorobenzene	101	Limit: 80-116	% Rec		10/24/25 0000	10/24/25 1409	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1806	RVV
Arsenic	0.122	0.0020	mg/L		10/23/25 1556	10/27/25 1806	RVV
Barium	1.59	0.0010	mg/L		10/23/25 1556	10/27/25 1806	RVV
Beryllium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1806	RVV
Cadmium	0.0005	0.0002	mg/L		10/23/25 1556	10/27/25 1806	RVV
Chromium	0.0011	0.0010	mg/L		10/28/25 1614	10/29/25 1806	RVV
Cobalt	0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1806	RVV
Copper	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1806	RVV
Lead	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1806	RVV
Nickel	0.0107	0.0050	mg/L		10/23/25 1556	10/27/25 1806	RVV
Selenium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1806	RVV
Silver	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1806	RVV
Thallium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1806	RVV
Vanadium	0.0040	0.0020	mg/L		10/23/25 1556	10/27/25 1806	RVV
Zinc	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1806	RVV

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CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: MW-9
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-06

Collected By: Whipple, Todd
Collection Date: 10/20/2025 12:02

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Bromomethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Chloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Acetone	<10.0	10.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Chloroform	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Benzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Dibromomethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Toluene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Xylenes, total	<2.0	2.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Styrene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Bromoform	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF

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CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: MW-9
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-06

Collected By: Whipple, Todd
Collection Date: 10/20/2025 12:02

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1432	RAF
Surrogate: Dibromofluoromethane	93.8	Limit: 75-136	% Rec		10/24/25 0000	10/24/25 1432	RAF
Surrogate: Dibromofluoromethane	93.8	Limit: 57-128	% Rec		10/24/25 0000	10/24/25 1432	RAF
Surrogate: 1,2-Dichloroethane-d4	113	Limit: 49-135	% Rec		10/24/25 0000	10/24/25 1432	RAF
Surrogate: 1,2-Dichloroethane-d4	113	Limit: 61-142	% Rec		10/24/25 0000	10/24/25 1432	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		10/24/25 0000	10/24/25 1432	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/24/25 0000	10/24/25 1432	RAF
Surrogate: 4-Bromofluorobenzene	101	Limit: 77-114	% Rec		10/24/25 0000	10/24/25 1432	RAF
Surrogate: 4-Bromofluorobenzene	101	Limit: 80-116	% Rec		10/24/25 0000	10/24/25 1432	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1809	RVV
Arsenic	0.0029	0.0020	mg/L		10/23/25 1556	10/27/25 1809	RVV
Barium	0.0584	0.0010	mg/L		10/23/25 1556	10/27/25 1809	RVV
Beryllium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1809	RVV
Cadmium	0.0012	0.0002	mg/L		10/23/25 1556	10/27/25 1809	RVV
Chromium	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1809	RVV
Cobalt	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1809	RVV
Copper	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1809	RVV
Lead	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1809	RVV
Nickel	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1809	RVV
Selenium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1809	RVV
Silver	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1809	RVV
Thallium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1809	RVV
Vanadium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1809	RVV
Zinc	0.0062	0.0050	mg/L		10/23/25 1556	10/27/25 1809	RVV

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CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: MW-10
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-07

Collected By: Whipple, Todd
Collection Date: 10/20/2025 12:36

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Bromomethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Chloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Acetone	<10.0	10.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Chloroform	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Benzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Dibromomethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Toluene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Xylenes, total	<2.0	2.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Styrene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Bromoform	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF

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CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: MW-10
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-07

Collected By: Whipple, Todd
Collection Date: 10/20/2025 12:36

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1455	RAF
Surrogate: Dibromofluoromethane	90.5	Limit: 57-128	% Rec		10/24/25 0000	10/24/25 1455	RAF
Surrogate: Dibromofluoromethane	90.5	Limit: 75-136	% Rec		10/24/25 0000	10/24/25 1455	RAF
Surrogate: 1,2-Dichloroethane-d4	114	Limit: 49-135	% Rec		10/24/25 0000	10/24/25 1455	RAF
Surrogate: 1,2-Dichloroethane-d4	114	Limit: 61-142	% Rec		10/24/25 0000	10/24/25 1455	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec		10/24/25 0000	10/24/25 1455	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec		10/24/25 0000	10/24/25 1455	RAF
Surrogate: 4-Bromofluorobenzene	101	Limit: 77-114	% Rec		10/24/25 0000	10/24/25 1455	RAF
Surrogate: 4-Bromofluorobenzene	101	Limit: 80-116	% Rec		10/24/25 0000	10/24/25 1455	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	0.0012	0.0010	mg/L		10/23/25 1556	10/27/25 1811	RVV
Arsenic	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1811	RVV
Barium	0.142	0.0010	mg/L		10/23/25 1556	10/27/25 1811	RVV
Beryllium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1811	RVV
Cadmium	0.0007	0.0002	mg/L		10/23/25 1556	10/27/25 1811	RVV
Chromium	0.0013	0.0010	mg/L		10/28/25 1130	10/28/25 1757	RVV
Cobalt	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1811	RVV
Copper	<0.0050	0.0050	mg/L		10/28/25 1130	10/28/25 1757	RVV
Lead	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1811	RVV
Nickel	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1811	RVV
Selenium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1811	RVV
Silver	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1811	RVV
Thallium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1811	RVV
Vanadium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1811	RVV
Zinc	0.0100	0.0050	mg/L		10/23/25 1556	10/27/25 1811	RVV

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CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: MW-14
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-08

Collected By: Whipple, Todd
Collection Date: 10/20/2025 10:40

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Bromomethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Chloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Acetone	<10.0	10.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Chloroform	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Benzene	1.3	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Dibromomethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Toluene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Xylenes, total	<2.0	2.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Styrene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Bromoform	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF

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CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: MW-14
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-08

Collected By: Whipple, Todd
Collection Date: 10/20/2025 10:40

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1518	RAF
Surrogate: Dibromofluoromethane	94.4	Limit: 57-128	% Rec		10/24/25 0000	10/24/25 1518	RAF
Surrogate: Dibromofluoromethane	94.4	Limit: 75-136	% Rec		10/24/25 0000	10/24/25 1518	RAF
Surrogate: 1,2-Dichloroethane-d4	115	Limit: 49-135	% Rec		10/24/25 0000	10/24/25 1518	RAF
Surrogate: 1,2-Dichloroethane-d4	115	Limit: 61-142	% Rec		10/24/25 0000	10/24/25 1518	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		10/24/25 0000	10/24/25 1518	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/24/25 0000	10/24/25 1518	RAF
Surrogate: 4-Bromofluorobenzene	103	Limit: 77-114	% Rec		10/24/25 0000	10/24/25 1518	RAF
Surrogate: 4-Bromofluorobenzene	103	Limit: 80-116	% Rec		10/24/25 0000	10/24/25 1518	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1814	RVV
Arsenic	0.0298	0.0020	mg/L		10/23/25 1556	10/27/25 1814	RVV
Barium	1.63	0.0010	mg/L		10/23/25 1556	10/27/25 1814	RVV
Beryllium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1814	RVV
Cadmium	0.0032	0.0002	mg/L		10/23/25 1556	10/27/25 1814	RVV
Chromium	0.0011	0.0010	mg/L		10/28/25 1614	10/29/25 1808	RVV
Cobalt	0.0023	0.0005	mg/L		10/23/25 1556	10/27/25 1814	RVV
Copper	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1814	RVV
Lead	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1814	RVV
Nickel	0.0116	0.0050	mg/L		10/23/25 1556	10/27/25 1814	RVV
Selenium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1814	RVV
Silver	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1814	RVV
Thallium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1814	RVV
Vanadium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1814	RVV
Zinc	0.0134	0.0050	mg/L		10/23/25 1556	10/27/25 1814	RVV

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CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: MW-15
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-09

Collected By: Whipple, Todd
Collection Date: 10/20/2025 11:15

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Bromomethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Chloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Acetone	<10.0	10.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/31/25 0000	10/31/25 1120	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Chloroform	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Benzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Dibromomethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Toluene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Xylenes, total	<2.0	2.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Styrene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Bromoform	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF

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CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: MW-15
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-09

Collected By: Whipple, Todd
Collection Date: 10/20/2025 11:15

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1541	RAF
Surrogate: Dibromofluoromethane	93.9	Limit: 57-128	% Rec		10/24/25 0000	10/24/25 1541	RAF
Surrogate: Dibromofluoromethane	93.4	Limit: 75-136	% Rec		10/31/25 0000	10/31/25 1120	RAF
Surrogate: Dibromofluoromethane	93.9	Limit: 75-136	% Rec		10/24/25 0000	10/24/25 1541	RAF
Surrogate: 1,2-Dichloroethane-d4	114	Limit: 49-135	% Rec		10/24/25 0000	10/24/25 1541	RAF
Surrogate: 1,2-Dichloroethane-d4	83.8	Limit: 61-142	% Rec		10/31/25 0000	10/31/25 1120	RAF
Surrogate: 1,2-Dichloroethane-d4	114	Limit: 61-142	% Rec		10/24/25 0000	10/24/25 1541	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/24/25 0000	10/24/25 1541	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		10/24/25 0000	10/24/25 1541	RAF
Surrogate: Toluene-d8	97.1	Limit: 82-121	% Rec		10/31/25 0000	10/31/25 1120	RAF
Surrogate: 4-Bromofluorobenzene	92.8	Limit: 80-116	% Rec		10/31/25 0000	10/31/25 1120	RAF
Surrogate: 4-Bromofluorobenzene	102	Limit: 77-114	% Rec		10/24/25 0000	10/24/25 1541	RAF
Surrogate: 4-Bromofluorobenzene	102	Limit: 80-116	% Rec		10/24/25 0000	10/24/25 1541	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1816	RVV
Arsenic	0.0029	0.0020	mg/L		10/23/25 1556	10/27/25 1816	RVV
Barium	0.302	0.0010	mg/L		10/23/25 1556	10/27/25 1816	RVV
Beryllium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1816	RVV
Cadmium	0.0035	0.0002	mg/L		10/23/25 1556	10/27/25 1816	RVV
Chromium	0.0013	0.0010	mg/L		10/28/25 1614	10/29/25 1811	RVV
Cobalt	0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1816	RVV
Copper	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1816	RVV
Lead	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1816	RVV
Nickel	0.0202	0.0050	mg/L		10/23/25 1556	10/27/25 1816	RVV
Selenium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1816	RVV
Silver	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1816	RVV
Thallium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1816	RVV
Vanadium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1816	RVV
Zinc	0.0289	0.0050	mg/L		10/23/25 1556	10/27/25 1816	RVV

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CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: MW-16
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-10

Collected By: Whipple, Todd
Collection Date: 10/20/2025 11:25

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Bromomethane	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Chloroethane	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Acetone	<10.0	10.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Carbon Disulfide	2.1	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/30/25 0000	10/30/25 1300	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Chloroform	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Benzene	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Dibromomethane	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Toluene	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Xylenes, total	<2.0	2.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Styrene	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Bromoform	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF

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CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: MW-16
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-10

Collected By: Whipple, Todd
Collection Date: 10/20/2025 11:25

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/30/25 0000	10/30/25 1323	RAF
Surrogate: Dibromofluoromethane	102	Limit: 57-128	% Rec		10/30/25 0000	10/30/25 1300	RAF
Surrogate: Dibromofluoromethane	99.5	Limit: 75-136	% Rec		10/30/25 0000	10/30/25 1323	RAF
Surrogate: 1,2-Dichloroethane-d4	104	Limit: 49-135	% Rec		10/30/25 0000	10/30/25 1300	RAF
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 61-142	% Rec		10/30/25 0000	10/30/25 1323	RAF
Surrogate: Toluene-d8	105	Limit: 82-116	% Rec		10/30/25 0000	10/30/25 1300	RAF
Surrogate: Toluene-d8	105	Limit: 82-121	% Rec		10/30/25 0000	10/30/25 1323	RAF
Surrogate: 4-Bromofluorobenzene	91.5	Limit: 77-114	% Rec		10/30/25 0000	10/30/25 1300	RAF
Surrogate: 4-Bromofluorobenzene	89.8	Limit: 80-116	% Rec		10/30/25 0000	10/30/25 1323	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1824	RVV
Arsenic	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1824	RVV
Barium	0.346	0.0010	mg/L		10/23/25 1556	10/27/25 1824	RVV
Beryllium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1824	RVV
Cadmium	0.0009	0.0002	mg/L		10/23/25 1556	10/27/25 1824	RVV
Chromium	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1824	RVV
Cobalt	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1824	RVV
Copper	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1824	RVV
Lead	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1824	RVV
Nickel	0.0094	0.0050	mg/L		10/23/25 1556	10/27/25 1824	RVV
Selenium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1824	RVV
Silver	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1824	RVV
Thallium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1824	RVV
Vanadium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1824	RVV
Zinc	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1824	RVV

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CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: GU-1
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-11

Collected By: Whipple, Todd
Collection Date: 10/20/2025 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		10/24/25 0000	10/24/25 1627	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Bromomethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Chloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Acetone	<10.0	10.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Chloroform	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Benzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Dibromomethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Toluene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Xylenes, total	<2.0	2.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Styrene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Bromoform	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF

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CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: GU-1
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-11

Collected By: Whipple, Todd
Collection Date: 10/20/2025 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		10/24/25 0000	10/24/25 1627	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1627	RAF
Surrogate: Dibromofluoromethane	91.9	Limit: 75-136	% Rec		10/24/25 0000	10/24/25 1627	RAF
Surrogate: Dibromofluoromethane	91.9	Limit: 57-128	% Rec		10/24/25 0000	10/24/25 1627	RAF
Surrogate: 1,2-Dichloroethane-d4	113	Limit: 49-135	% Rec		10/24/25 0000	10/24/25 1627	RAF
Surrogate: 1,2-Dichloroethane-d4	113	Limit: 61-142	% Rec		10/24/25 0000	10/24/25 1627	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		10/24/25 0000	10/24/25 1627	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		10/24/25 0000	10/24/25 1627	RAF
Surrogate: 4-Bromofluorobenzene	105	Limit: 80-116	% Rec		10/24/25 0000	10/24/25 1627	RAF
Surrogate: 4-Bromofluorobenzene	105	Limit: 77-114	% Rec		10/24/25 0000	10/24/25 1627	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1826	RVV
Arsenic	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1826	RVV
Barium	0.491	0.0010	mg/L		10/23/25 1556	10/27/25 1826	RVV
Beryllium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1826	RVV
Cadmium	0.0002	0.0002	mg/L		10/23/25 1556	10/27/25 1826	RVV
Chromium	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1826	RVV
Cobalt	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1826	RVV
Copper	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1826	RVV
Lead	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1826	RVV
Nickel	0.0138	0.0050	mg/L		10/23/25 1556	10/27/25 1826	RVV
Selenium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1826	RVV
Silver	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1826	RVV
Thallium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1826	RVV
Vanadium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1826	RVV
Zinc	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1826	RVV

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CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: GU-2
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-12

Collected By: Whipple, Todd
Collection Date: 10/20/2025 10:27

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Vinyl Chloride	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Bromomethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Chloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Acetone	<10.0	10.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Methyl Iodide	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Carbon Disulfide	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Methylene Chloride	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Acrylonitrile	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Vinyl Acetate	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Bromochloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Chloroform	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Benzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Trichloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Dibromomethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Bromodichloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Toluene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Dibromochloromethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Chlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Ethylbenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Xylenes, total	<2.0	2.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Styrene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Bromoform	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF

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CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: GU-2
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-12

Collected By: Whipple, Todd
Collection Date: 10/20/2025 10:27

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		10/24/25 0000	10/24/25 1649	RAF
Surrogate: Dibromofluoromethane	94.3	Limit: 75-136	% Rec		10/24/25 0000	10/24/25 1649	RAF
Surrogate: Dibromofluoromethane	94.3	Limit: 57-128	% Rec		10/24/25 0000	10/24/25 1649	RAF
Surrogate: 1,2-Dichloroethane-d4	116	Limit: 61-142	% Rec		10/24/25 0000	10/24/25 1649	RAF
Surrogate: 1,2-Dichloroethane-d4	116	Limit: 49-135	% Rec		10/24/25 0000	10/24/25 1649	RAF
Surrogate: Toluene-d8	105	Limit: 82-121	% Rec		10/24/25 0000	10/24/25 1649	RAF
Surrogate: Toluene-d8	105	Limit: 82-116	% Rec		10/24/25 0000	10/24/25 1649	RAF
Surrogate: 4-Bromofluorobenzene	102	Limit: 80-116	% Rec		10/24/25 0000	10/24/25 1649	RAF
Surrogate: 4-Bromofluorobenzene	102	Limit: 77-114	% Rec		10/24/25 0000	10/24/25 1649	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1829	RVV
Arsenic	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1829	RVV
Barium	0.232	0.0010	mg/L		10/23/25 1556	10/27/25 1829	RVV
Beryllium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1829	RVV
Cadmium	0.0004	0.0002	mg/L		10/23/25 1556	10/27/25 1829	RVV
Chromium	<0.0010	0.0010	mg/L		10/28/25 1614	10/29/25 1813	RVV
Cobalt	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1829	RVV
Copper	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1829	RVV
Lead	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1829	RVV
Nickel	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1829	RVV
Selenium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1829	RVV
Silver	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1829	RVV
Thallium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1829	RVV
Vanadium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1829	RVV
Zinc	0.0070	0.0050	mg/L		10/23/25 1556	10/27/25 1829	RVV

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CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: Duplicate
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-13

Collected By: Whipple, Todd
Collection Date: 10/20/2025

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1831	RVV
Arsenic	0.0067	0.0020	mg/L		10/23/25 1556	10/27/25 1831	RVV
Barium	0.126	0.0010	mg/L		10/23/25 1556	10/27/25 1831	RVV
Beryllium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1831	RVV
Cadmium	<0.0002	0.0002	mg/L		10/23/25 1556	10/27/25 1831	RVV
Chromium	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1831	RVV
Cobalt	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1831	RVV
Copper	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1831	RVV
Lead	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1831	RVV
Nickel	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1831	RVV
Selenium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1831	RVV
Silver	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1831	RVV
Thallium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1831	RVV
Vanadium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1831	RVV
Zinc	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1831	RVV

Client Sample ID: MW-18 (up)
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-14

Collected By: Whipple, Todd
Collection Date: 10/20/2025 12:47

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1834	RVV
Arsenic	0.0074	0.0020	mg/L		10/23/25 1556	10/27/25 1834	RVV
Barium	0.0509	0.0010	mg/L		10/23/25 1556	10/27/25 1834	RVV
Beryllium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1834	RVV
Cadmium	<0.0002	0.0002	mg/L		10/23/25 1556	10/27/25 1834	RVV
Chromium	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1834	RVV
Cobalt	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1834	RVV
Copper	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1834	RVV
Lead	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1834	RVV
Nickel	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1834	RVV
Selenium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1834	RVV
Silver	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1834	RVV
Thallium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1834	RVV
Vanadium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1834	RVV
Zinc	0.0055	0.0050	mg/L		10/23/25 1556	10/27/25 1834	RVV

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CERTIFICATE OF ANALYSIS

1IJ1987

Client Sample ID: MW-19 (up)
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-15

Collected By: Whipple, Todd
Collection Date: 10/20/2025 8:52

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1836	RVV
Arsenic	0.0029	0.0020	mg/L		10/23/25 1556	10/27/25 1836	RVV
Barium	0.207	0.0010	mg/L		10/23/25 1556	10/27/25 1836	RVV
Beryllium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1836	RVV
Cadmium	<0.0002	0.0002	mg/L		10/23/25 1556	10/27/25 1836	RVV
Chromium	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1836	RVV
Cobalt	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1836	RVV
Copper	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1836	RVV
Lead	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1836	RVV
Nickel	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1836	RVV
Selenium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1836	RVV
Silver	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1836	RVV
Thallium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1836	RVV
Vanadium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1836	RVV
Zinc	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1836	RVV

Client Sample ID: MW-20 (up)
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-16

Collected By: Whipple, Todd
Collection Date: 10/20/2025 8:13

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1839	RVV
Arsenic	0.0069	0.0020	mg/L		10/23/25 1556	10/27/25 1839	RVV
Barium	0.130	0.0010	mg/L		10/23/25 1556	10/27/25 1839	RVV
Beryllium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1839	RVV
Cadmium	<0.0002	0.0002	mg/L		10/23/25 1556	10/27/25 1839	RVV
Chromium	<0.0010	0.0010	mg/L		10/28/25 1614	10/29/25 1816	RVV
Cobalt	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1839	RVV
Copper	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1839	RVV
Lead	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1839	RVV
Nickel	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1839	RVV
Selenium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1839	RVV
Silver	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1839	RVV
Thallium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1839	RVV
Vanadium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1839	RVV
Zinc	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1839	RVV

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1IJ1987

Client Sample ID: MW-21 (up)
Sample Matrix: Aqueous
Lab Sample ID: 1IJ1987-17

Collected By: Whipple, Todd
Collection Date: 10/20/2025 8:20

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1841	RVV
Arsenic	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1841	RVV
Barium	0.226	0.0010	mg/L		10/23/25 1556	10/27/25 1841	RVV
Beryllium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1841	RVV
Cadmium	<0.0002	0.0002	mg/L		10/23/25 1556	10/27/25 1841	RVV
Chromium	<0.0010	0.0010	mg/L		10/28/25 1614	10/29/25 1818	RVV
Cobalt	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1841	RVV
Copper	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1841	RVV
Lead	<0.0010	0.0010	mg/L		10/23/25 1556	10/27/25 1841	RVV
Nickel	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1841	RVV
Selenium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1841	RVV
Silver	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1841	RVV
Thallium	<0.0005	0.0005	mg/L		10/23/25 1556	10/27/25 1841	RVV
Vanadium	<0.0020	0.0020	mg/L		10/23/25 1556	10/27/25 1841	RVV
Zinc	<0.0050	0.0050	mg/L		10/23/25 1556	10/27/25 1841	RVV

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Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1IJ1408	1IJ1408-BLK1	
		1IJ1408-BS1	
		1IJ1987-01	MW-11 (up)
		1IJ1408-MS1	1IJ1987-01
		1IJ1408-MSD1	1IJ1987-01
		1IJ1408-PS1	1IJ1987-01
		1IJ1987-02	MW-12 (up)
		1IJ1987-03	MW-17 (up)
		1IJ1987-04	MW-7B
		1IJ1987-05	MW-8
		1IJ1987-06	MW-9
		1IJ1987-07	MW-10
		1IJ1987-08	MW-14
		1IJ1987-09	MW-15
		1IJ1987-10	MW-16
		1IJ1987-11	GU-1
		1IJ1987-12	GU-2
		1IJ1987-13	Duplicate
		1IJ1987-14	MW-18 (up)
		1IJ1987-15	MW-19 (up)
		1IJ1987-16	MW-20 (up)
		1IJ1987-17	MW-21 (up)
Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IJ1499	1IJ1499-BLK1	
		1IJ1987-01	MW-11 (up)
		1IJ1987-02	MW-12 (up)
		1IJ1987-03	MW-17 (up)
		1IJ1987-04	MW-7B
		1IJ1987-05	MW-8
		1IJ1987-06	MW-9
		1IJ1987-07	MW-10
		1IJ1987-08	MW-14
		1IJ1987-09	MW-15
		1IJ1987-11	GU-1
		1IJ1987-12	GU-2
		1IJ1499-BS1	
		1IJ1499-BSD1	
		1IJ1499-MS1	1IJ1987-01
		1IJ1499-MSD1	1IJ1987-01
Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1IJ1560	1IJ1560-BLK1	
		1IJ1560-BS1	
		1IJ1560-MS1	1IJ1988-01
		1IJ1560-MSD1	1IJ1988-01
		1IJ1560-PS1	1IJ1988-01
		1IJ1987-02RE1	MW-12 (up)
		1IJ1987-02RE1	MW-12 (up)
		1IJ1987-07RE1	MW-10
		1IJ1987-07RE1	MW-10

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Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1IJ1633	1IJ1633-BLK1	
		1IJ1633-BS1	
		1IJ1987-01RE1	MW-11 (up)
		1IJ1987-03RE1	MW-17 (up)
		1IJ1633-MS1	1IJ1987-03RE1
		1IJ1633-MSD1	1IJ1987-03RE1
		1IJ1633-PS1	1IJ1987-03RE1
		1IJ1987-04RE1	MW-7B
		1IJ1987-05RE1	MW-8
		1IJ1987-08RE1	MW-14
		1IJ1987-09RE1	MW-15
		1IJ1987-12RE1	GU-2
		1IJ1987-16RE1	MW-20 (up)
		1IJ1987-17RE1	MW-21 (up)

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IJ1790	1IJ1790-BS1	
		1IJ1790-BSD1	
		1IJ1790-BLK1	
		1IJ1987-10RE1	MW-16
		1IJ1987-10RE2	MW-16
		1IJ1790-MS1	1IJ2324-01
		1IJ1790-MSD1	1IJ2324-01

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IJ1857	1IJ1857-BS1	
		1IJ1857-BSD1	
		1IJ1857-BLK1	
		1IJ1987-09RE1	MW-15
		1IJ1857-MS1	1IJ2328-01
		1IJ1857-MSD1	1IJ2328-01

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 1IJ1499 - EPA 5030B - EPA 8260D										
Blank (1IJ1499-BLK1)				Prepared: 10/24/25 00:00 Analyzed: 10/24/25 10:44						
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							

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1499 - EPA 5030B - EPA 8260D										
Blank (1IJ1499-BLK1)				Prepared: 10/24/25 00:00 Analyzed: 10/24/25 10:44						
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							
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	47.2		ug/L	50.2		94.0	57-128			
Surrogate: Dibromofluoromethane	47.2		ug/L	50.2		94.0	75-136			
Surrogate: 1,2-Dichloroethane-d4	55.3		ug/L	50.4		110	49-135			
Surrogate: 1,2-Dichloroethane-d4	55.3		ug/L	50.4		110	61-142			
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	52.0		ug/L	50.2		104	77-114			
Surrogate: 4-Bromofluorobenzene	52.0		ug/L	50.2		104	80-116			

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1499 - EPA 5030B - EPA 8260D										
LCS (1IJ1499-BS1)				Prepared: 10/24/25 00:00 Analyzed: 10/24/25 17:12						
Chloromethane	31.27	1.0	ug/L	30.3		103	63-155			Q2
Vinyl Chloride	52.67	1.0	ug/L	30.2		174	70-154			
Bromomethane	28.33	1.0	ug/L	30.1		94.1	52-176			
Chloroethane	28.30	1.0	ug/L	30.3		93.3	72-148			
Trichlorofluoromethane	31.80	1.0	ug/L	30.3		105	70-152			
1,1-Dichloroethylene	63.20	1.0	ug/L	50.1		126	70-148			
Acetone	147.2	10.0	ug/L	100		147	43-172			
Methyl Iodide	85.45	1.0	ug/L	100		85.4	69-170			
Carbon Disulfide	107.3	1.0	ug/L	100		107	72-162			
Methylene Chloride	49.56	5.0	ug/L	50.1		98.9	68-142			
Acrylonitrile	58.24	5.0	ug/L	50.4		116	33-163			
trans-1,2-Dichloroethylene	62.81	1.0	ug/L	50.1		125	66-148			
1,1-Dichloroethane	60.78	1.0	ug/L	50.1		121	66-143			
Vinyl Acetate	151.3	5.0	ug/L	142		106	43-153			
cis-1,2-Dichloroethylene	52.74	1.0	ug/L	50.4		105	71-149			
2-Butanone (MEK)	131.2	10.0	ug/L	100		131	52-159			
Bromochloromethane	64.55	1.0	ug/L	50.4		128	69-143			
Chloroform	54.50	1.0	ug/L	50.1		109	69-144			
1,1,1-Trichloroethane	56.69	1.0	ug/L	50.1		113	62-129			
Carbon Tetrachloride	55.93	1.0	ug/L	50.1		112	63-141			
Benzene	57.32	1.0	ug/L	50.4		114	71-134			
1,2-Dichloroethane	65.63	1.0	ug/L	50.1		131	72-132			
Trichloroethylene	58.90	1.0	ug/L	50.1		118	71-135			
1,2-Dichloropropane	59.31	1.0	ug/L	50.1		118	69-136			
Dibromomethane	50.32	1.0	ug/L	50.4		99.9	73-147			
Bromodichloromethane	58.54	1.0	ug/L	50.1		117	68-129			
cis-1,3-Dichloropropene	48.70	1.0	ug/L	50.1		97.2	65-134			
4-Methyl-2-pentanone (MIBK)	128.8	5.0	ug/L	100		129	58-147			
Toluene	57.92	1.0	ug/L	50.5		115	72-133			
trans-1,3-Dichloropropene	56.89	1.0	ug/L	50.1		114	67-130			
1,1,2-Trichloroethane	57.34	1.0	ug/L	50.1		114	69-135			
Tetrachloroethylene	53.76	1.0	ug/L	50.1		107	69-130			
2-Hexanone (MBK)	122.2	5.0	ug/L	100		122	55-144			
Dibromochloromethane	44.46	1.0	ug/L	50.1		88.8	73-127			
1,2-Dibromoethane	50.37	1.0	ug/L	50.2		100	67-132			
Chlorobenzene	51.83	1.0	ug/L	50.1		103	72-123			
1,1,1,2-Tetrachloroethane	48.81	1.0	ug/L	50.3		97.0	73-127			
Ethylbenzene	56.81	1.0	ug/L	50.2		113	71-127			
Xylenes, total	176.7	2.0	ug/L	151		117	74-127			
Styrene	54.90	1.0	ug/L	50.4		109	66-126			
Bromoform	49.01	1.0	ug/L	50.1		97.8	68-130			
1,2,3-Trichloropropene	56.03	1.0	ug/L	50.3		111	63-136			
trans-1,4-Dichloro-2-butene	115.2	5.0	ug/L	100		115	54-134			

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1499 - EPA 5030B - EPA 8260D										
LCS (11J1499-BS1)										
				Prepared: 10/24/25 00:00 Analyzed: 10/24/25 17:12						
1,1,2,2-Tetrachloroethane	52.48	1.0	ug/L	50.1		105	61-131			
1,4-Dichlorobenzene	51.69	1.0	ug/L	50.1		103	70-129			
1,2-Dichlorobenzene	50.25	1.0	ug/L	50.1		100	69-126			
1,2-Dibromo-3-chloropropane	44.24	5.0	ug/L	50.1		88.3	50-143			
Surrogate: Dibromofluoromethane	47.8		ug/L	50.2		95.1	57-128			
Surrogate: Dibromofluoromethane	47.8		ug/L	50.2		95.1	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	52.5		ug/L	50.5		104	82-116			
Surrogate: Toluene-d8	52.5		ug/L	50.5		104	82-121			
Surrogate: 4-Bromofluorobenzene	57.9		ug/L	50.2		115	77-114			S1
Surrogate: 4-Bromofluorobenzene	57.9		ug/L	50.2		115	80-116			
LCS Dup (11J1499-BSD1)										
				Prepared: 10/24/25 00:00 Analyzed: 10/24/25 17:35						
Chloromethane	32.44	1.0	ug/L	30.3		107	63-155	3.67	24	
Vinyl Chloride	50.05	1.0	ug/L	30.2		165	70-154	5.10	25	Q2
Bromomethane	49.70	1.0	ug/L	30.1		165	52-176	54.8	27	R1
Chloroethane	28.15	1.0	ug/L	30.3		92.8	72-148	0.531	25	
Trichlorofluoromethane	31.75	1.0	ug/L	30.3		105	70-152	0.157	26	
1,1-Dichloroethylene	61.83	1.0	ug/L	50.1		123	70-148	2.19	24	
Acetone	138.2	10.0	ug/L	100		138	43-172	6.32	30	
Methyl Iodide	96.53	1.0	ug/L	100		96.5	69-170	12.2	30	
Carbon Disulfide	107.3	1.0	ug/L	100		107	72-162	0.0559	24	
Methylene Chloride	52.02	5.0	ug/L	50.1		104	68-142	4.84	21	
Acrylonitrile	58.70	5.0	ug/L	50.4		117	33-163	0.787	28	
trans-1,2-Dichloroethylene	62.04	1.0	ug/L	50.1		124	66-148	1.23	27	
1,1-Dichloroethane	62.56	1.0	ug/L	50.1		125	66-143	2.89	24	
Vinyl Acetate	160.4	5.0	ug/L	142		113	43-153	5.81	30	
cis-1,2-Dichloroethylene	52.27	1.0	ug/L	50.4		104	71-149	0.895	26	
2-Butanone (MEK)	126.5	10.0	ug/L	100		127	52-159	3.65	27	
Bromochloromethane	65.26	1.0	ug/L	50.4		129	69-143	1.09	23	
Chloroform	54.96	1.0	ug/L	50.1		110	69-144	0.840	23	
1,1,1-Trichloroethane	55.76	1.0	ug/L	50.1		111	62-129	1.65	24	
Carbon Tetrachloride	55.93	1.0	ug/L	50.1		112	63-141	0.00	25	
Benzene	56.52	1.0	ug/L	50.4		112	71-134	1.41	24	
1,2-Dichloroethane	63.94	1.0	ug/L	50.1		128	72-132	2.61	24	
Trichloroethylene	56.55	1.0	ug/L	50.1		113	71-135	4.07	24	
1,2-Dichloropropane	58.69	1.0	ug/L	50.1		117	69-136	1.05	24	
Dibromomethane	48.89	1.0	ug/L	50.4		97.1	73-147	2.88	25	
Bromodichloromethane	56.74	1.0	ug/L	50.1		113	68-129	3.12	22	
cis-1,3-Dichloropropene	47.96	1.0	ug/L	50.1		95.8	65-134	1.53	23	
4-Methyl-2-pentanone (MIBK)	125.3	5.0	ug/L	100		125	58-147	2.76	27	
Toluene	55.76	1.0	ug/L	50.5		110	72-133	3.80	24	
trans-1,3-Dichloropropene	56.24	1.0	ug/L	50.1		112	67-130	1.15	24	

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1499 - EPA 5030B - EPA 8260D										
LCS Dup (11J1499-BSD1)				Prepared: 10/24/25 00:00 Analyzed: 10/24/25 17:35						
1,1,2-Trichloroethane	54.54	1.0	ug/L	50.1		109	69-135	5.01	23	
Tetrachloroethylene	51.58	1.0	ug/L	50.1		103	69-130	4.14	25	
2-Hexanone (MBK)	118.2	5.0	ug/L	100		118	55-144	3.32	25	
Dibromochloromethane	44.80	1.0	ug/L	50.1		89.5	73-127	0.762	22	
1,2-Dibromoethane	50.65	1.0	ug/L	50.2		101	67-132	0.554	24	
Chlorobenzene	50.62	1.0	ug/L	50.1		101	72-123	2.36	23	
1,1,1,2-Tetrachloroethane	48.09	1.0	ug/L	50.3		95.5	73-127	1.49	24	
Ethylbenzene	54.93	1.0	ug/L	50.2		109	71-127	3.36	26	
Xylenes, total	170.9	2.0	ug/L	151		113	74-127	3.32	25	
Styrene	53.11	1.0	ug/L	50.4		105	66-126	3.31	23	
Bromoform	49.27	1.0	ug/L	50.1		98.3	68-130	0.529	23	
1,2,3-Trichloropropane	52.59	1.0	ug/L	50.3		104	63-136	6.33	24	
trans-1,4-Dichloro-2-butene	116.8	5.0	ug/L	100		117	54-134	1.36	27	
1,1,2,2-Tetrachloroethane	53.45	1.0	ug/L	50.1		107	61-131	1.83	29	
1,4-Dichlorobenzene	51.73	1.0	ug/L	50.1		103	70-129	0.0774	24	
1,2-Dichlorobenzene	51.01	1.0	ug/L	50.1		102	69-126	1.50	26	
1,2-Dibromo-3-chloropropane	43.21	5.0	ug/L	50.1		86.2	50-143	2.36	30	
Surrogate: Dibromofluoromethane	49.5		ug/L	50.2		98.6	57-128			
Surrogate: Dibromofluoromethane	49.5		ug/L	50.2		98.6	75-136			
Surrogate: 1,2-Dichloroethane-d4	60.1		ug/L	50.4		119	49-135			
Surrogate: 1,2-Dichloroethane-d4	60.1		ug/L	50.4		119	61-142			
Surrogate: Toluene-d8	51.5		ug/L	50.5		102	82-116			
Surrogate: Toluene-d8	51.5		ug/L	50.5		102	82-121			
Surrogate: 4-Bromofluorobenzene	58.6		ug/L	50.2		117	77-114			S1
Surrogate: 4-Bromofluorobenzene	58.6		ug/L	50.2		117	80-116			S1
Matrix Spike (11J1499-MS1)				Source: 11J1987-01 Prepared: 10/24/25 00:00 Analyzed: 10/24/25 17:58						
Chloromethane	325.2	10.0	ug/L	303	ND	107	61-152			
Vinyl Chloride	534.3	10.0	ug/L	302	ND	177	66-149			M1
Bromomethane	501.0	10.0	ug/L	301	ND	166	43-171			
Chloroethane	532.9	10.0	ug/L	303	ND	176	69-148			M1
Trichlorofluoromethane	653.4	10.0	ug/L	303	ND	216	62-163			M1
1,1-Dichloroethylene	1139	10.0	ug/L	501	ND	227	70-148			M1
Acetone	3087	100	ug/L	1000	ND	309	45-173			M1
Methyl Iodide	1826	10.0	ug/L	1000	ND	183	62-167			M1
Carbon Disulfide	1981	10.0	ug/L	1000	ND	198	71-163			M1
Methylene Chloride	506.0	50.0	ug/L	501	ND	101	69-140			
Acrylonitrile	586.0	50.0	ug/L	504	ND	116	32-159			
trans-1,2-Dichloroethylene	616.1	10.0	ug/L	501	ND	123	69-144			
1,1-Dichloroethane	611.6	10.0	ug/L	501	ND	122	70-138			
Vinyl Acetate	1575	50.0	ug/L	1420	ND	111	58-142			
cis-1,2-Dichloroethylene	534.9	10.0	ug/L	504	ND	106	68-151			
2-Butanone (MEK)	1314	100	ug/L	1000	ND	131	50-160			
Bromochloromethane	644.2	10.0	ug/L	504	ND	128	65-143			

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1499 - EPA 5030B - EPA 8260D										
Matrix Spike (11J1499-MS1)	Source: 11J1987-01			Prepared: 10/24/25 00:00 Analyzed: 10/24/25 17:58						
Chloroform	550.1	10.0	ug/L	501	ND	110	71-143			
1,1,1-Trichloroethane	567.3	10.0	ug/L	501	ND	113	63-133			
Carbon Tetrachloride	570.9	10.0	ug/L	501	ND	114	63-142			
Benzene	574.8	10.0	ug/L	504	ND	114	69-133			
1,2-Dichloroethane	658.8	10.0	ug/L	501	ND	132	63-138			
Trichloroethylene	570.7	10.0	ug/L	501	ND	114	71-133			
1,2-Dichloropropane	592.9	10.0	ug/L	501	ND	118	69-132			
Dibromomethane	508.4	10.0	ug/L	504	ND	101	70-147			
Bromodichloromethane	581.5	10.0	ug/L	501	ND	116	67-130			
cis-1,3-Dichloropropene	494.1	10.0	ug/L	501	ND	98.7	61-126			
4-Methyl-2-pentanone (MIBK)	1282	50.0	ug/L	1000	ND	128	55-147			
Toluene	566.8	10.0	ug/L	505	ND	112	71-133			
trans-1,3-Dichloropropene	577.8	10.0	ug/L	501	ND	115	63-124			
1,1,2-Trichloroethane	553.4	10.0	ug/L	501	ND	110	69-133			
Tetrachloroethylene	512.6	10.0	ug/L	501	ND	102	70-124			
2-Hexanone (MBK)	1337	50.0	ug/L	1000	ND	134	53-141			
Dibromochloromethane	453.3	10.0	ug/L	501	ND	90.5	74-122			
1,2-Dibromoethane	518.8	10.0	ug/L	502	ND	103	66-127			
Chlorobenzene	519.6	10.0	ug/L	501	ND	104	76-116			
1,1,1,2-Tetrachloroethane	498.0	10.0	ug/L	503	ND	98.9	77-121			
Ethylbenzene	563.9	10.0	ug/L	502	ND	112	73-124			
Xylenes, total	1779	20.0	ug/L	1510	ND	118	75-123			
Styrene	549.3	10.0	ug/L	504	ND	109	70-120			
Bromoform	503.1	10.0	ug/L	501	ND	100	70-124			
1,2,3-Trichloropropane	529.2	10.0	ug/L	503	ND	105	62-135			
trans-1,4-Dichloro-2-butene	1154	50.0	ug/L	1000	ND	115	50-120			
1,1,1,2,2-Tetrachloroethane	546.4	10.0	ug/L	501	ND	109	63-126			
1,4-Dichlorobenzene	520.4	10.0	ug/L	501	ND	104	72-119			
1,2-Dichlorobenzene	516.3	10.0	ug/L	501	ND	103	71-117			
1,2-Dibromo-3-chloropropane	432.2	50.0	ug/L	501	ND	86.2	49-134			
Surrogate: Dibromofluoromethane	476		ug/L	502		94.8	57-128			
Surrogate: Dibromofluoromethane	476		ug/L	502		94.8	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	516		ug/L	505		102	82-116			
Surrogate: Toluene-d8	516		ug/L	505		102	82-121			
Surrogate: 4-Bromofluorobenzene	577		ug/L	502		115	77-114			S1
Surrogate: 4-Bromofluorobenzene	577		ug/L	502		115	80-116			
Matrix Spike Dup (11J1499-MSD1)	Source: 11J1987-01			Prepared: 10/24/25 00:00 Analyzed: 10/24/25 18:21						
Chloromethane	320.1	10.0	ug/L	303	ND	106	61-152	1.58	26	
Vinyl Chloride	506.1	10.0	ug/L	302	ND	167	66-149	5.42	23	M1
Bromomethane	255.1	10.0	ug/L	301	ND	84.7	43-171	65.0	29	R1
Chloroethane	274.4	10.0	ug/L	303	ND	90.5	69-148	64.0	25	R1

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1499 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (11J1499-MSD1)										
Source: 11J1987-01			Prepared: 10/24/25 00:00 Analyzed: 10/24/25 18:21							
Trichlorofluoromethane	309.1	10.0	ug/L	303	ND	102	62-163	71.5	25	R1
1,1-Dichloroethylene	622.1	10.0	ug/L	501	ND	124	70-148	58.7	22	R1
Acetone	1734	100	ug/L	1000	ND	173	45-173	56.1	30	R1
Methyl Iodide	996.2	10.0	ug/L	1000	ND	99.6	62-167	58.8	24	R1
Carbon Disulfide	1056	10.0	ug/L	1000	ND	106	71-163	60.9	22	R1
Methylene Chloride	510.8	50.0	ug/L	501	ND	102	69-140	0.944	19	
Acrylonitrile	622.1	50.0	ug/L	504	ND	124	32-159	5.98	30	
trans-1,2-Dichloroethylene	618.0	10.0	ug/L	501	ND	123	69-144	0.308	22	
1,1-Dichloroethane	614.4	10.0	ug/L	501	ND	123	70-138	0.457	20	
Vinyl Acetate	1601	50.0	ug/L	1420	ND	112	58-142	1.62	24	
cis-1,2-Dichloroethylene	513.9	10.0	ug/L	504	ND	102	68-151	4.00	22	
2-Butanone (MEK)	1334	100	ug/L	1000	ND	133	50-160	1.57	23	
Bromochloromethane	640.2	10.0	ug/L	504	ND	127	65-143	0.623	22	
Chloroform	542.3	10.0	ug/L	501	ND	108	71-143	1.43	21	
1,1,1-Trichloroethane	560.5	10.0	ug/L	501	ND	112	63-133	1.21	23	
Carbon Tetrachloride	557.3	10.0	ug/L	501	ND	111	63-142	2.41	22	
Benzene	568.7	10.0	ug/L	504	ND	113	69-133	1.07	18	
1,2-Dichloroethane	661.8	10.0	ug/L	501	ND	132	63-138	0.454	20	
Trichloroethylene	565.7	10.0	ug/L	501	ND	113	71-133	0.880	23	
1,2-Dichloropropane	595.8	10.0	ug/L	501	ND	119	69-132	0.488	20	
Dibromomethane	488.5	10.0	ug/L	504	ND	97.0	70-147	3.99	22	
Bromodichloromethane	590.6	10.0	ug/L	501	ND	118	67-130	1.55	21	
cis-1,3-Dichloropropene	505.5	10.0	ug/L	501	ND	101	61-126	2.28	21	
4-Methyl-2-pentanone (MIBK)	1292	50.0	ug/L	1000	ND	129	55-147	0.839	23	
Toluene	558.6	10.0	ug/L	505	ND	111	71-133	1.46	19	
trans-1,3-Dichloropropene	564.9	10.0	ug/L	501	ND	113	63-124	2.26	21	
1,1,2-Trichloroethane	569.4	10.0	ug/L	501	ND	114	69-133	2.85	19	
Tetrachloroethylene	504.7	10.0	ug/L	501	ND	101	70-124	1.55	24	
2-Hexanone (MBK)	1327	50.0	ug/L	1000	ND	133	53-141	0.766	24	
Dibromochloromethane	455.1	10.0	ug/L	501	ND	90.9	74-122	0.396	21	
1,2-Dibromoethane	507.0	10.0	ug/L	502	ND	101	66-127	2.30	23	
Chlorobenzene	509.1	10.0	ug/L	501	ND	102	76-116	2.04	21	
1,1,1,2-Tetrachloroethane	494.7	10.0	ug/L	503	ND	98.3	77-121	0.665	25	
Ethylbenzene	553.6	10.0	ug/L	502	ND	110	73-124	1.84	20	
Xylenes, total	1718	20.0	ug/L	1510	ND	114	75-123	3.52	20	
Styrene	534.8	10.0	ug/L	504	ND	106	70-120	2.68	23	
Bromoform	492.7	10.0	ug/L	501	ND	98.3	70-124	2.09	22	
1,2,3-Trichloropropane	535.3	10.0	ug/L	503	ND	106	62-135	1.15	28	
trans-1,4-Dichloro-2-butene	1151	50.0	ug/L	1000	ND	115	50-120	0.226	26	
1,1,2,2-Tetrachloroethane	536.6	10.0	ug/L	501	ND	107	63-126	1.81	24	
1,4-Dichlorobenzene	516.8	10.0	ug/L	501	ND	103	72-119	0.694	24	
1,2-Dichlorobenzene	506.5	10.0	ug/L	501	ND	101	71-117	1.92	24	
1,2-Dibromo-3-chloropropane	456.7	50.0	ug/L	501	ND	91.1	49-134	5.51	28	

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CERTIFICATE OF ANALYSIS

1IJ1987

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1499 - EPA 5030B - EPA 8260D									
Matrix Spike Dup (1IJ1499-MSD1)		Source: 1IJ1987-01		Prepared: 10/24/25 00:00 Analyzed: 10/24/25 18:21					
Surrogate: Dibromofluoromethane	492		ug/L	502		98.0 57-128			
Surrogate: Dibromofluoromethane	492		ug/L	502		98.0 75-136			
Surrogate: 1,2-Dichloroethane-d4	589		ug/L	504		117 49-135			
Surrogate: 1,2-Dichloroethane-d4	589		ug/L	504		117 61-142			
Surrogate: Toluene-d8	522		ug/L	505		103 82-116			
Surrogate: Toluene-d8	522		ug/L	505		103 82-121			
Surrogate: 4-Bromofluorobenzene	583		ug/L	502		116 77-114			S1
Surrogate: 4-Bromofluorobenzene	583		ug/L	502		116 80-116			

Batch 1IJ1790 - EPA 5030B - EPA 8260D

Blank (1IJ1790-BLK1)		Prepared: 10/30/25 00:00 Analyzed: 10/30/25 12:14							
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						

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1790 - EPA 5030B - EPA 8260D										
Blank (11J1790-BLK1)				Prepared: 10/30/25 00:00 Analyzed: 10/30/25 12:14						
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							
1,1,1,2-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	50.7		ug/L	50.2		101	57-128			
Surrogate: Dibromofluoromethane	50.7		ug/L	50.2		101	75-136			
Surrogate: 1,2-Dichloroethane-d4	51.7		ug/L	50.4		103	49-135			
Surrogate: 1,2-Dichloroethane-d4	51.7		ug/L	50.4		103	61-142			
Surrogate: Toluene-d8	52.9		ug/L	50.5		105	82-116			
Surrogate: Toluene-d8	52.9		ug/L	50.5		105	82-121			
Surrogate: 4-Bromofluorobenzene	46.0		ug/L	50.2		91.6	77-114			
Surrogate: 4-Bromofluorobenzene	46.0		ug/L	50.2		91.6	80-116			
LCS (11J1790-BS1)				Prepared: 10/30/25 00:00 Analyzed: 10/30/25 11:06						
Chloromethane	17.23	1.0	ug/L	30.3		56.8	63-155			Q3
Vinyl Chloride	14.62	1.0	ug/L	30.2		48.3	70-154			Q3
Bromomethane	26.54	1.0	ug/L	30.1		88.1	52-176			
Chloroethane	26.31	1.0	ug/L	30.3		86.8	72-148			
Trichlorofluoromethane	30.32	1.0	ug/L	30.3		100	70-152			
1,1-Dichloroethylene	41.57	1.0	ug/L	50.1		82.9	70-148			
Acetone	80.39	10.0	ug/L	100		80.4	43-172			
Methyl Iodide	118.3	1.0	ug/L	100		118	69-170			
Carbon Disulfide	90.11	1.0	ug/L	100		90.1	72-162			
Methylene Chloride	45.58	5.0	ug/L	50.1		91.0	68-142			
Acrylonitrile	40.37	5.0	ug/L	50.4		80.2	33-163			
trans-1,2-Dichloroethylene	44.81	1.0	ug/L	50.1		89.5	66-148			
1,1-Dichloroethane	40.14	1.0	ug/L	50.1		80.1	66-143			
Vinyl Acetate	129.8	5.0	ug/L	142		91.1	43-153			
cis-1,2-Dichloroethylene	43.43	1.0	ug/L	50.4		86.3	71-149			
2-Butanone (MEK)	87.25	10.0	ug/L	100		87.2	52-159			
Bromochloromethane	38.56	1.0	ug/L	50.4		76.5	69-143			
Chloroform	41.44	1.0	ug/L	50.1		82.7	69-144			
1,1,1-Trichloroethane	43.08	1.0	ug/L	50.1		86.0	62-129			

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CERTIFICATE OF ANALYSIS

1IJ1987

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1790 - EPA 5030B - EPA 8260D										
LCS (1IJ1790-BS1)										
Prepared: 10/30/25 00:00 Analyzed: 10/30/25 11:06										
Carbon Tetrachloride	51.21	1.0	ug/L	50.1		102	63-141			
Benzene	43.88	1.0	ug/L	50.4		87.0	71-134			
1,2-Dichloroethane	41.66	1.0	ug/L	50.1		83.2	72-132			
Trichloroethylene	48.58	1.0	ug/L	50.1		97.0	71-135			
1,2-Dichloropropane	45.02	1.0	ug/L	50.1		89.9	69-136			
Dibromomethane	43.29	1.0	ug/L	50.4		85.9	73-147			
Bromodichloromethane	45.91	1.0	ug/L	50.1		91.7	68-129			
cis-1,3-Dichloropropene	42.03	1.0	ug/L	50.1		83.9	65-134			
4-Methyl-2-pentanone (MIBK)	79.47	5.0	ug/L	100		79.5	58-147			
Toluene	45.36	1.0	ug/L	50.5		89.9	72-133			
trans-1,3-Dichloropropene	41.82	1.0	ug/L	50.1		83.5	67-130			
1,1,2-Trichloroethane	46.31	1.0	ug/L	50.1		92.5	69-135			
Tetrachloroethylene	54.06	1.0	ug/L	50.1		108	69-130			
2-Hexanone (MBK)	85.96	5.0	ug/L	100		86.0	55-144			
Dibromochloromethane	48.59	1.0	ug/L	50.1		97.0	73-127			
1,2-Dibromoethane	47.86	1.0	ug/L	50.2		95.3	67-132			
Chlorobenzene	46.89	1.0	ug/L	50.1		93.6	72-123			
1,1,1,2-Tetrachloroethane	52.54	1.0	ug/L	50.3		104	73-127			
Ethylbenzene	46.81	1.0	ug/L	50.2		93.3	71-127			
Xylenes, total	137.7	2.0	ug/L	151		91.2	74-127			
Styrene	54.06	1.0	ug/L	50.4		107	66-126			
Bromoform	53.41	1.0	ug/L	50.1		107	68-130			
1,2,3-Trichloropropane	47.66	1.0	ug/L	50.3		94.7	63-136			
trans-1,4-Dichloro-2-butene	75.17	5.0	ug/L	100		75.2	54-134			
1,1,2,2-Tetrachloroethane	39.76	1.0	ug/L	50.1		79.4	61-131			
1,4-Dichlorobenzene	49.04	1.0	ug/L	50.1		97.8	70-129			
1,2-Dichlorobenzene	47.24	1.0	ug/L	50.1		94.3	69-126			
1,2-Dibromo-3-chloropropane	49.15	5.0	ug/L	50.1		98.0	50-143			
Surrogate: Dibromofluoromethane	45.3		ug/L	50.2		90.2	57-128			
Surrogate: Dibromofluoromethane	45.3		ug/L	50.2		90.2	75-136			
Surrogate: 1,2-Dichloroethane-d4	40.2		ug/L	50.4		79.8	49-135			
Surrogate: 1,2-Dichloroethane-d4	40.2		ug/L	50.4		79.8	61-142			
Surrogate: Toluene-d8	49.0		ug/L	50.5		97.1	82-116			
Surrogate: Toluene-d8	49.0		ug/L	50.5		97.1	82-121			
Surrogate: 4-Bromofluorobenzene	48.3		ug/L	50.2		96.3	77-114			
Surrogate: 4-Bromofluorobenzene	48.3		ug/L	50.2		96.3	80-116			
LCS Dup (1IJ1790-BSD1)										
Prepared: 10/30/25 00:00 Analyzed: 10/30/25 11:29										
Chloromethane	50.95	1.0	ug/L	30.3		168	63-155	98.9	24	Q2, R1
Vinyl Chloride	31.47	1.0	ug/L	30.2		104	70-154	73.1	25	R1
Bromomethane	30.60	1.0	ug/L	30.1		102	52-176	14.2	27	
Chloroethane	30.99	1.0	ug/L	30.3		102	72-148	16.3	25	
Trichlorofluoromethane	31.31	1.0	ug/L	30.3		103	70-152	3.21	26	
1,1-Dichloroethylene	48.35	1.0	ug/L	50.1		96.5	70-148	15.1	24	

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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 11J1790 - EPA 5030B - EPA 8260D										
LCS Dup (11J1790-BSD1)										
Prepared: 10/30/25 00:00 Analyzed: 10/30/25 11:29										
Acetone	95.11	10.0	ug/L	100		95.1	43-172	16.8	30	
Methyl Iodide	115.5	1.0	ug/L	100		116	69-170	2.43	30	
Carbon Disulfide	100.8	1.0	ug/L	100		101	72-162	11.2	24	
Methylene Chloride	50.85	5.0	ug/L	50.1		101	68-142	10.9	21	
Acrylonitrile	48.20	5.0	ug/L	50.4		95.7	33-163	17.7	28	
trans-1,2-Dichloroethylene	53.15	1.0	ug/L	50.1		106	66-148	17.0	27	
1,1-Dichloroethane	49.14	1.0	ug/L	50.1		98.1	66-143	20.2	24	
Vinyl Acetate	148.6	5.0	ug/L	142		104	43-153	13.5	30	
cis-1,2-Dichloroethylene	48.60	1.0	ug/L	50.4		96.5	71-149	11.2	26	
2-Butanone (MEK)	100.2	10.0	ug/L	100		100	52-159	13.8	27	
Bromochloromethane	47.82	1.0	ug/L	50.4		94.9	69-143	21.4	23	
Chloroform	49.32	1.0	ug/L	50.1		98.5	69-144	17.4	23	
1,1,1-Trichloroethane	47.69	1.0	ug/L	50.1		95.2	62-129	10.2	24	
Carbon Tetrachloride	52.97	1.0	ug/L	50.1		106	63-141	3.38	25	
Benzene	46.99	1.0	ug/L	50.4		93.2	71-134	6.84	24	
1,2-Dichloroethane	49.56	1.0	ug/L	50.1		99.0	72-132	17.3	24	
Trichloroethylene	49.55	1.0	ug/L	50.1		98.9	71-135	1.98	24	
1,2-Dichloropropane	50.71	1.0	ug/L	50.1		101	69-136	11.9	24	
Dibromomethane	47.71	1.0	ug/L	50.4		94.7	73-147	9.71	25	
Bromodichloromethane	50.09	1.0	ug/L	50.1		100	68-129	8.71	22	
cis-1,3-Dichloropropene	46.64	1.0	ug/L	50.1		93.1	65-134	10.4	23	
4-Methyl-2-pentanone (MIBK)	95.74	5.0	ug/L	100		95.7	58-147	18.6	27	
Toluene	48.96	1.0	ug/L	50.5		97.0	72-133	7.63	24	
trans-1,3-Dichloropropene	48.32	1.0	ug/L	50.1		96.5	67-130	14.4	24	
1,1,2-Trichloroethane	49.79	1.0	ug/L	50.1		99.4	69-135	7.24	23	
Tetrachloroethylene	46.94	1.0	ug/L	50.1		93.7	69-130	14.1	25	
2-Hexanone (MBK)	158.1	5.0	ug/L	100		158	55-144	59.1	25	Q2, R1
Dibromochloromethane	47.02	1.0	ug/L	50.1		93.9	73-127	3.28	22	
1,2-Dibromoethane	48.78	1.0	ug/L	50.2		97.1	67-132	1.90	24	
Chlorobenzene	46.20	1.0	ug/L	50.1		92.2	72-123	1.48	23	
1,1,1,2-Tetrachloroethane	51.19	1.0	ug/L	50.3		102	73-127	2.60	24	
Ethylbenzene	49.41	1.0	ug/L	50.2		98.5	71-127	5.40	26	
Xylenes, total	148.5	2.0	ug/L	151		98.3	74-127	7.53	25	
Styrene	55.71	1.0	ug/L	50.4		111	66-126	3.01	23	
Bromoform	52.14	1.0	ug/L	50.1		104	68-130	2.41	23	
1,2,3-Trichloropropane	49.48	1.0	ug/L	50.3		98.3	63-136	3.75	24	
trans-1,4-Dichloro-2-butene	92.37	5.0	ug/L	100		92.4	54-134	20.5	27	
1,1,2,2-Tetrachloroethane	46.61	1.0	ug/L	50.1		93.0	61-131	15.9	29	
1,4-Dichlorobenzene	48.53	1.0	ug/L	50.1		96.8	70-129	1.05	24	
1,2-Dichlorobenzene	47.49	1.0	ug/L	50.1		94.8	69-126	0.528	26	
1,2-Dibromo-3-chloropropane	46.73	5.0	ug/L	50.1		93.2	50-143	5.05	30	
Surrogate: Dibromofluoromethane	50.5		ug/L	50.2		101	57-128			

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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 11J1790 - EPA 5030B - EPA 8260D										

LCS Dup (11J1790-BSD1)

Prepared: 10/30/25 00:00 Analyzed: 10/30/25 11:29

Surrogate: Dibromofluoromethane	50.5		ug/L	50.2		101	75-136
Surrogate: 1,2-Dichloroethane-d4	51.9		ug/L	50.4		103	49-135
Surrogate: 1,2-Dichloroethane-d4	51.9		ug/L	50.4		103	61-142
Surrogate: Toluene-d8	53.6		ug/L	50.5		106	82-116
Surrogate: Toluene-d8	53.6		ug/L	50.5		106	82-121
Surrogate: 4-Bromofluorobenzene	51.7		ug/L	50.2		103	77-114
Surrogate: 4-Bromofluorobenzene	51.7		ug/L	50.2		103	80-116

Matrix Spike (11J1790-MS1)

Source: 11J2324-01

Prepared: 10/30/25 00:00 Analyzed: 10/30/25 20:15

Chloromethane	267.6	10.0	ug/L	303	ND	88.3	61-152	M2
Vinyl Chloride	159.3	10.0	ug/L	302	ND	52.7	66-149	
Bromomethane	277.9	10.0	ug/L	301	ND	92.3	43-171	
Chloroethane	272.1	10.0	ug/L	303	ND	89.7	69-148	
Trichlorofluoromethane	304.8	10.0	ug/L	303	ND	101	62-163	
1,1-Dichloroethylene	422.3	10.0	ug/L	501	ND	84.2	70-148	
Acetone	872.0	100	ug/L	1000	ND	87.2	45-173	
Methyl Iodide	1010	10.0	ug/L	1000	ND	101	62-167	
Carbon Disulfide	882.9	10.0	ug/L	1000	ND	88.3	71-163	
Methylene Chloride	457.1	50.0	ug/L	501	ND	91.2	69-140	
Acrylonitrile	411.1	50.0	ug/L	504	ND	81.6	32-159	
trans-1,2-Dichloroethylene	446.1	10.0	ug/L	501	ND	89.1	69-144	
1,1-Dichloroethane	407.3	10.0	ug/L	501	ND	81.3	70-138	
Vinyl Acetate	1388	50.0	ug/L	1420	ND	97.4	58-142	
cis-1,2-Dichloroethylene	435.2	10.0	ug/L	504	ND	86.4	68-151	
2-Butanone (MEK)	866.6	100	ug/L	1000	ND	86.7	50-160	
Bromochloromethane	395.1	10.0	ug/L	504	ND	78.4	65-143	
Chloroform	428.5	10.0	ug/L	501	ND	85.6	71-143	
1,1,1-Trichloroethane	431.3	10.0	ug/L	501	ND	86.1	63-133	
Carbon Tetrachloride	503.5	10.0	ug/L	501	ND	101	63-142	
Benzene	435.1	10.0	ug/L	504	ND	86.3	69-133	
1,2-Dichloroethane	429.4	10.0	ug/L	501	ND	85.7	63-138	
Trichloroethylene	471.5	10.0	ug/L	501	ND	94.1	71-133	
1,2-Dichloropropane	459.6	10.0	ug/L	501	ND	91.8	69-132	
Dibromomethane	443.8	10.0	ug/L	504	ND	88.1	70-147	
Bromodichloromethane	462.8	10.0	ug/L	501	ND	92.4	67-130	
cis-1,3-Dichloropropene	406.3	10.0	ug/L	501	ND	81.1	61-126	
4-Methyl-2-pentanone (MIBK)	805.0	50.0	ug/L	1000	ND	80.5	55-147	
Toluene	459.9	10.0	ug/L	505	ND	91.1	71-133	
trans-1,3-Dichloropropene	400.3	10.0	ug/L	501	ND	79.9	63-124	
1,1,2-Trichloroethane	469.3	10.0	ug/L	501	ND	93.7	69-133	
Tetrachloroethylene	532.2	10.0	ug/L	501	ND	106	70-124	
2-Hexanone (MBK)	866.8	50.0	ug/L	1000	ND	86.7	53-141	
Dibromochloromethane	482.2	10.0	ug/L	501	ND	96.3	74-122	
1,2-Dibromoethane	481.3	10.0	ug/L	502	ND	95.8	66-127	

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1790 - EPA 5030B - EPA 8260D										
Matrix Spike (11J1790-MS1)	Source: 11J2324-01			Prepared: 10/30/25 00:00 Analyzed: 10/30/25 20:15						
Chlorobenzene	467.7	10.0	ug/L	501	ND	93.4	76-116			
1,1,1,2-Tetrachloroethane	520.9	10.0	ug/L	503	ND	103	77-121			
Ethylbenzene	462.6	10.0	ug/L	502	ND	92.2	73-124			
Xylenes, total	1374	20.0	ug/L	1510	ND	90.9	75-123			
Styrene	541.5	10.0	ug/L	504	ND	108	70-120			
Bromoform	514.2	10.0	ug/L	501	ND	103	70-124			
1,2,3-Trichloropropane	492.0	10.0	ug/L	503	ND	97.7	62-135			
trans-1,4-Dichloro-2-butene	670.3	50.0	ug/L	1000	ND	67.0	50-120			
1,1,2,2-Tetrachloroethane	397.9	10.0	ug/L	501	ND	79.4	63-126			
1,4-Dichlorobenzene	492.0	10.0	ug/L	501	ND	98.2	72-119			
1,2-Dichlorobenzene	485.3	10.0	ug/L	501	ND	96.9	71-117			
1,2-Dibromo-3-chloropropane	489.6	50.0	ug/L	501	ND	97.7	49-134			
Surrogate: Dibromofluoromethane	466		ug/L	502		92.7	75-136			
Surrogate: Dibromofluoromethane	466		ug/L	502		92.7	57-128			
Surrogate: 1,2-Dichloroethane-d4	414		ug/L	504		82.2	61-142			
Surrogate: 1,2-Dichloroethane-d4	414		ug/L	504		82.2	49-135			
Surrogate: Toluene-d8	494		ug/L	505		97.8	82-121			
Surrogate: Toluene-d8	494		ug/L	505		97.8	82-116			
Surrogate: 4-Bromofluorobenzene	495		ug/L	502		98.7	80-116			
Surrogate: 4-Bromofluorobenzene	495		ug/L	502		98.7	77-114			
Matrix Spike Dup (11J1790-MSD1)	Source: 11J2324-01			Prepared: 10/30/25 00:00 Analyzed: 10/30/25 20:38						
Chloromethane	257.3	10.0	ug/L	303	ND	84.9	61-152	3.92	26	
Vinyl Chloride	152.8	10.0	ug/L	302	ND	50.5	66-149	4.17	23	M2
Bromomethane	259.2	10.0	ug/L	301	ND	86.1	43-171	6.96	29	
Chloroethane	249.7	10.0	ug/L	303	ND	82.4	69-148	8.59	25	
Trichlorofluoromethane	291.5	10.0	ug/L	303	ND	96.2	62-163	4.46	25	
1,1-Dichloroethylene	401.5	10.0	ug/L	501	ND	80.1	70-148	5.05	22	
Acetone	849.8	100	ug/L	1000	ND	85.0	45-173	2.58	30	
Methyl Iodide	1066	10.0	ug/L	1000	ND	107	62-167	5.36	24	
Carbon Disulfide	842.5	10.0	ug/L	1000	ND	84.2	71-163	4.68	22	
Methylene Chloride	438.6	50.0	ug/L	501	ND	87.5	69-140	4.13	19	
Acrylonitrile	407.0	50.0	ug/L	504	ND	80.8	32-159	1.00	30	
trans-1,2-Dichloroethylene	422.3	10.0	ug/L	501	ND	84.3	69-144	5.48	22	
1,1-Dichloroethane	388.0	10.0	ug/L	501	ND	77.4	70-138	4.85	20	
Vinyl Acetate	1357	50.0	ug/L	1420	ND	95.3	58-142	2.21	24	
cis-1,2-Dichloroethylene	413.1	10.0	ug/L	504	ND	82.0	68-151	5.21	22	
2-Butanone (MEK)	822.3	100	ug/L	1000	ND	82.2	50-160	5.25	23	
Bromochloromethane	379.3	10.0	ug/L	504	ND	75.3	65-143	4.08	22	
Chloroform	405.2	10.0	ug/L	501	ND	80.9	71-143	5.59	21	
1,1,1-Trichloroethane	409.0	10.0	ug/L	501	ND	81.6	63-133	5.31	23	
Carbon Tetrachloride	486.5	10.0	ug/L	501	ND	97.1	63-142	3.43	22	
Benzene	413.4	10.0	ug/L	504	ND	82.0	69-133	5.11	18	
1,2-Dichloroethane	412.0	10.0	ug/L	501	ND	82.3	63-138	4.14	20	

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1790 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (11J1790-MSD1)										
Source: 11J2324-01			Prepared: 10/30/25 00:00 Analyzed: 10/30/25 20:38							
Trichloroethylene	454.0	10.0	ug/L	501	ND	90.6	71-133	3.78	23	
1,2-Dichloropropane	438.9	10.0	ug/L	501	ND	87.6	69-132	4.61	20	
Dibromomethane	431.4	10.0	ug/L	504	ND	85.7	70-147	2.83	22	
Bromodichloromethane	442.6	10.0	ug/L	501	ND	88.4	67-130	4.46	21	
cis-1,3-Dichloropropene	402.8	10.0	ug/L	501	ND	80.4	61-126	0.865	21	
4-Methyl-2-pentanone (MIBK)	779.3	50.0	ug/L	1000	ND	77.9	55-147	3.24	23	
Toluene	435.0	10.0	ug/L	505	ND	86.2	71-133	5.56	19	
trans-1,3-Dichloropropene	390.4	10.0	ug/L	501	ND	78.0	63-124	2.50	21	
1,1,2-Trichloroethane	451.6	10.0	ug/L	501	ND	90.2	69-133	3.84	19	
Tetrachloroethylene	509.8	10.0	ug/L	501	ND	102	70-124	4.30	24	
2-Hexanone (MBK)	847.0	50.0	ug/L	1000	ND	84.7	53-141	2.31	24	
Dibromochloromethane	476.9	10.0	ug/L	501	ND	95.2	74-122	1.11	21	
1,2-Dibromoethane	468.5	10.0	ug/L	502	ND	93.3	66-127	2.70	23	
Chlorobenzene	449.6	10.0	ug/L	501	ND	89.8	76-116	3.95	21	
1,1,1,2-Tetrachloroethane	512.5	10.0	ug/L	503	ND	102	77-121	1.63	25	
Ethylbenzene	446.5	10.0	ug/L	502	ND	89.0	73-124	3.54	20	
Xylenes, total	1326	20.0	ug/L	1510	ND	87.8	75-123	3.50	20	
Styrene	526.6	10.0	ug/L	504	ND	105	70-120	2.79	23	
Bromoform	527.4	10.0	ug/L	501	ND	105	70-124	2.53	22	
1,2,3-Trichloropropane	477.9	10.0	ug/L	503	ND	94.9	62-135	2.91	28	
trans-1,4-Dichloro-2-butene	681.6	50.0	ug/L	1000	ND	68.2	50-120	1.67	26	
1,1,2,2-Tetrachloroethane	384.8	10.0	ug/L	501	ND	76.8	63-126	3.35	24	
1,4-Dichlorobenzene	464.8	10.0	ug/L	501	ND	92.7	72-119	5.69	24	
1,2-Dichlorobenzene	463.6	10.0	ug/L	501	ND	92.5	71-117	4.57	24	
1,2-Dibromo-3-chloropropane	480.0	50.0	ug/L	501	ND	95.8	49-134	1.98	28	
Surrogate: Dibromofluoromethane	468		ug/L	502		93.2	75-136			
Surrogate: Dibromofluoromethane	468		ug/L	502		93.2	57-128			
Surrogate: 1,2-Dichloroethane-d4	416		ug/L	504		82.6	61-142			
Surrogate: 1,2-Dichloroethane-d4	416		ug/L	504		82.6	49-135			
Surrogate: Toluene-d8	493		ug/L	505		97.6	82-121			
Surrogate: Toluene-d8	493		ug/L	505		97.6	82-116			
Surrogate: 4-Bromofluorobenzene	486		ug/L	502		97.0	80-116			
Surrogate: 4-Bromofluorobenzene	486		ug/L	502		97.0	77-114			

Batch 11J1857 - EPA 5030B - EPA 8260D

Blank (11J1857-BLK1)										
			Prepared: 10/31/25 00:00 Analyzed: 10/31/25 10:34							
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							

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1857 - EPA 5030B - EPA 8260D										
Blank (1IJ1857-BLK1)				Prepared: 10/31/25 00:00 Analyzed: 10/31/25 10:34						
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							
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	46.0		ug/L	50.2		91.6	75-136			
Surrogate: 1,2-Dichloroethane-d4	41.1		ug/L	50.4		81.7	61-142			
Surrogate: Toluene-d8	49.0		ug/L	50.5		97.0	82-121			
Surrogate: 4-Bromofluorobenzene	46.2		ug/L	50.2		92.2	80-116			

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1857 - EPA 5030B - EPA 8260D										
LCS (1IJ1857-BS1)										
Prepared: 10/31/25 00:00 Analyzed: 10/31/25 09:25										
Chloromethane	25.86	1.0	ug/L	30.3		85.3	63-155			Q3
Vinyl Chloride	15.30	1.0	ug/L	30.2		50.6	70-154			
Bromomethane	25.24	1.0	ug/L	30.1		83.8	52-176			
Chloroethane	25.20	1.0	ug/L	30.3		83.1	72-148			
Trichlorofluoromethane	28.79	1.0	ug/L	30.3		95.0	70-152			
1,1-Dichloroethylene	39.65	1.0	ug/L	50.1		79.1	70-148			
Acetone	75.91	10.0	ug/L	100		75.9	43-172			
Methyl Iodide	109.7	1.0	ug/L	100		110	69-170			
Carbon Disulfide	84.40	1.0	ug/L	100		84.4	72-162			
Methylene Chloride	44.17	5.0	ug/L	50.1		88.2	68-142			
trans-1,2-Dichloroethylene	41.97	1.0	ug/L	50.1		83.8	66-148			
1,1-Dichloroethane	38.51	1.0	ug/L	50.1		76.9	66-143			
Vinyl Acetate	139.7	5.0	ug/L	142		98.0	43-153			
cis-1,2-Dichloroethylene	41.11	1.0	ug/L	50.4		81.6	71-149			
2-Butanone (MEK)	83.74	10.0	ug/L	100		83.7	52-159			
Bromochloromethane	37.95	1.0	ug/L	50.4		75.3	69-143			
Chloroform	39.81	1.0	ug/L	50.1		79.5	69-144			
1,1,1-Trichloroethane	41.10	1.0	ug/L	50.1		82.0	62-129			
Carbon Tetrachloride	48.98	1.0	ug/L	50.1		97.8	63-141			
Benzene	41.36	1.0	ug/L	50.4		82.0	71-134			
1,2-Dichloroethane	41.44	1.0	ug/L	50.1		82.7	72-132			
Trichloroethylene	45.28	1.0	ug/L	50.1		90.4	71-135			
1,2-Dichloropropane	43.83	1.0	ug/L	50.1		87.5	69-136			
Dibromomethane	43.11	1.0	ug/L	50.4		85.6	73-147			
Bromodichloromethane	44.00	1.0	ug/L	50.1		87.8	68-129			
cis-1,3-Dichloropropene	40.32	1.0	ug/L	50.1		80.5	65-134			
4-Methyl-2-pentanone (MIBK)	79.47	5.0	ug/L	100		79.5	58-147			
Toluene	43.66	1.0	ug/L	50.5		86.5	72-133			
trans-1,3-Dichloropropene	40.46	1.0	ug/L	50.1		80.8	67-130			
1,1,2-Trichloroethane	45.72	1.0	ug/L	50.1		91.3	69-135			
Tetrachloroethylene	51.50	1.0	ug/L	50.1		103	69-130			
2-Hexanone (MBK)	85.40	5.0	ug/L	100		85.4	55-144			
Dibromochloromethane	47.59	1.0	ug/L	50.1		95.0	73-127			
1,2-Dibromoethane	47.25	1.0	ug/L	50.2		94.1	67-132			
Chlorobenzene	44.94	1.0	ug/L	50.1		89.7	72-123			
1,1,1,2-Tetrachloroethane	51.01	1.0	ug/L	50.3		101	73-127			
Ethylbenzene	44.15	1.0	ug/L	50.2		88.0	71-127			
Xylenes, total	131.3	2.0	ug/L	151		86.9	74-127			
Styrene	52.26	1.0	ug/L	50.4		104	66-126			
Bromoform	52.08	1.0	ug/L	50.1		104	68-130			
1,2,3-Trichloropropane	47.51	1.0	ug/L	50.3		94.4	63-136			
trans-1,4-Dichloro-2-butene	73.12	5.0	ug/L	100		73.1	54-134			
1,1,2,2-Tetrachloroethane	38.82	1.0	ug/L	50.1		77.5	61-131			

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1857 - EPA 5030B - EPA 8260D										
LCS (11J1857-BS1) Prepared: 10/31/25 00:00 Analyzed: 10/31/25 09:25										
1,4-Dichlorobenzene	47.24	1.0	ug/L	50.1		94.2	70-129			
1,2-Dichlorobenzene	46.43	1.0	ug/L	50.1		92.7	69-126			
1,2-Dibromo-3-chloropropane	46.97	5.0	ug/L	50.1		93.7	50-143			
Surrogate: Dibromofluoromethane	45.7		ug/L	50.2		91.0	75-136			
Surrogate: 1,2-Dichloroethane-d4	40.7		ug/L	50.4		80.8	61-142			
Surrogate: Toluene-d8	49.1		ug/L	50.5		97.2	82-121			
Surrogate: 4-Bromofluorobenzene	49.2		ug/L	50.2		98.0	80-116			
LCS Dup (11J1857-BSD1) Prepared: 10/31/25 00:00 Analyzed: 10/31/25 09:48										
Chloromethane	25.53	1.0	ug/L	30.3		84.2	63-155	1.28	24	
Vinyl Chloride	15.34	1.0	ug/L	30.2		50.7	70-154	0.261	25	Q3
Bromomethane	24.70	1.0	ug/L	30.1		82.0	52-176	2.16	27	
Chloroethane	25.11	1.0	ug/L	30.3		82.8	72-148	0.358	25	
Trichlorofluoromethane	28.69	1.0	ug/L	30.3		94.7	70-152	0.348	26	
1,1-Dichloroethylene	39.50	1.0	ug/L	50.1		78.8	70-148	0.379	24	
Acetone	75.07	10.0	ug/L	100		75.1	43-172	1.11	30	
Methyl Iodide	113.8	1.0	ug/L	100		114	69-170	3.71	30	
Carbon Disulfide	84.14	1.0	ug/L	100		84.1	72-162	0.309	24	
Methylene Chloride	42.98	5.0	ug/L	50.1		85.8	68-142	2.73	21	
trans-1,2-Dichloroethylene	41.96	1.0	ug/L	50.1		83.8	66-148	0.0238	27	
1,1-Dichloroethane	38.27	1.0	ug/L	50.1		76.4	66-143	0.625	24	
Vinyl Acetate	134.0	5.0	ug/L	142		94.0	43-153	4.17	30	
cis-1,2-Dichloroethylene	41.01	1.0	ug/L	50.4		81.4	71-149	0.244	26	
2-Butanone (MEK)	82.16	10.0	ug/L	100		82.2	52-159	1.90	27	
Bromochloromethane	36.98	1.0	ug/L	50.4		73.4	69-143	2.59	23	
Chloroform	39.98	1.0	ug/L	50.1		79.8	69-144	0.426	23	
1,1,1-Trichloroethane	41.50	1.0	ug/L	50.1		82.8	62-129	0.969	24	
Carbon Tetrachloride	49.28	1.0	ug/L	50.1		98.4	63-141	0.611	25	
Benzene	41.67	1.0	ug/L	50.4		82.6	71-134	0.747	24	
1,2-Dichloroethane	41.15	1.0	ug/L	50.1		82.2	72-132	0.702	24	
Trichloroethylene	45.80	1.0	ug/L	50.1		91.4	71-135	1.14	24	
1,2-Dichloropropane	43.30	1.0	ug/L	50.1		86.4	69-136	1.22	24	
Dibromomethane	43.57	1.0	ug/L	50.4		86.5	73-147	1.06	25	
Bromodichloromethane	44.91	1.0	ug/L	50.1		89.7	68-129	2.05	22	
cis-1,3-Dichloropropene	41.14	1.0	ug/L	50.1		82.1	65-134	2.01	23	
4-Methyl-2-pentanone (MIBK)	78.30	5.0	ug/L	100		78.3	58-147	1.48	27	
Toluene	44.10	1.0	ug/L	50.5		87.4	72-133	1.00	24	
trans-1,3-Dichloropropene	40.48	1.0	ug/L	50.1		80.8	67-130	0.0494	24	
1,1,2-Trichloroethane	45.00	1.0	ug/L	50.1		89.8	69-135	1.59	23	
Tetrachloroethylene	51.65	1.0	ug/L	50.1		103	69-130	0.291	25	
2-Hexanone (MBK)	83.60	5.0	ug/L	100		83.6	55-144	2.13	25	
Dibromochloromethane	46.75	1.0	ug/L	50.1		93.4	73-127	1.78	22	
1,2-Dibromoethane	46.24	1.0	ug/L	50.2		92.1	67-132	2.16	24	

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1857 - EPA 5030B - EPA 8260D										
LCS Dup (11J1857-BSD1)										
Prepared: 10/31/25 00:00 Analyzed: 10/31/25 09:48										
Chlorobenzene	45.09	1.0	ug/L	50.1		90.0	72-123	0.333	23	
1,1,1,2-Tetrachloroethane	50.60	1.0	ug/L	50.3		101	73-127	0.807	24	
Ethylbenzene	44.54	1.0	ug/L	50.2		88.8	71-127	0.879	26	
Xylenes, total	132.0	2.0	ug/L	151		87.4	74-127	0.554	25	
Styrene	52.37	1.0	ug/L	50.4		104	66-126	0.210	23	
Bromoform	52.61	1.0	ug/L	50.1		105	68-130	1.01	23	
1,2,3-Trichloropropane	45.11	1.0	ug/L	50.3		89.6	63-136	5.18	24	
trans-1,4-Dichloro-2-butene	71.10	5.0	ug/L	100		71.1	54-134	2.80	27	
1,1,2,2-Tetrachloroethane	38.23	1.0	ug/L	50.1		76.3	61-131	1.53	29	
1,4-Dichlorobenzene	48.02	1.0	ug/L	50.1		95.8	70-129	1.64	24	
1,2-Dichlorobenzene	46.93	1.0	ug/L	50.1		93.7	69-126	1.07	26	
1,2-Dibromo-3-chloropropane	49.55	5.0	ug/L	50.1		98.8	50-143	5.35	30	
Surrogate: Dibromofluoromethane	45.7		ug/L	50.2		91.0	75-136			
Surrogate: 1,2-Dichloroethane-d4	40.4		ug/L	50.4		80.3	61-142			
Surrogate: Toluene-d8	49.1		ug/L	50.5		97.3	82-121			
Surrogate: 4-Bromofluorobenzene	48.5		ug/L	50.2		96.6	80-116			
Matrix Spike (11J1857-MS1)										
Source: 11J2328-01										
Prepared: 10/31/25 00:00 Analyzed: 10/31/25 15:08										
Chloromethane	266.9	10.0	ug/L	303	ND	88.0	61-152			
Vinyl Chloride	160.1	10.0	ug/L	302	ND	52.9	66-149			M2
Bromomethane	260.1	10.0	ug/L	301	ND	86.4	43-171			
Chloroethane	257.1	10.0	ug/L	303	ND	84.8	69-148			
Trichlorofluoromethane	301.5	10.0	ug/L	303	ND	99.5	62-163			
1,1-Dichloroethylene	414.2	10.0	ug/L	501	ND	82.6	70-148			
Acetone	1099	100	ug/L	1000	ND	110	45-173			
Methyl Iodide	1065	10.0	ug/L	1000	ND	106	62-167			
Carbon Disulfide	871.8	10.0	ug/L	1000	ND	87.2	71-163			
Methylene Chloride	452.3	50.0	ug/L	501	ND	90.3	69-140			
trans-1,2-Dichloroethylene	438.5	10.0	ug/L	501	ND	87.5	69-144			
1,1-Dichloroethane	406.9	10.0	ug/L	501	ND	81.2	70-138			
Vinyl Acetate	1423	50.0	ug/L	1420	ND	99.9	58-142			
cis-1,2-Dichloroethylene	431.3	10.0	ug/L	504	ND	85.7	68-151			
2-Butanone (MEK)	933.9	100	ug/L	1000	ND	93.4	50-160			
Bromochloromethane	390.9	10.0	ug/L	504	ND	77.6	65-143			
Chloroform	422.8	10.0	ug/L	501	ND	84.4	71-143			
1,1,1-Trichloroethane	429.4	10.0	ug/L	501	ND	85.7	63-133			
Carbon Tetrachloride	505.0	10.0	ug/L	501	ND	101	63-142			
Benzene	431.2	10.0	ug/L	504	ND	85.5	69-133			
1,2-Dichloroethane	427.4	10.0	ug/L	501	ND	85.3	63-138			
Trichloroethylene	475.8	10.0	ug/L	501	ND	95.0	71-133			
1,2-Dichloropropane	449.5	10.0	ug/L	501	ND	89.7	69-132			
Dibromomethane	441.4	10.0	ug/L	504	ND	87.6	70-147			
Bromodichloromethane	454.3	10.0	ug/L	501	ND	90.7	67-130			

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1857 - EPA 5030B - EPA 8260D										
Matrix Spike (11J1857-MS1)	Source: 11J2328-01			Prepared: 10/31/25 00:00 Analyzed: 10/31/25 15:08						
cis-1,3-Dichloropropene	411.1	10.0	ug/L	501	ND	82.1	61-126			
4-Methyl-2-pentanone (MIBK)	802.9	50.0	ug/L	1000	ND	80.3	55-147			
Toluene	456.2	10.0	ug/L	505	ND	90.4	71-133			
trans-1,3-Dichloropropene	402.2	10.0	ug/L	501	ND	80.3	63-124			
1,1,2-Trichloroethane	467.3	10.0	ug/L	501	ND	93.3	69-133			
Tetrachloroethylene	534.4	10.0	ug/L	501	ND	107	70-124			
2-Hexanone (MBK)	911.1	50.0	ug/L	1000	ND	91.1	53-141			
Dibromochloromethane	473.0	10.0	ug/L	501	ND	94.5	74-122			
1,2-Dibromoethane	472.4	10.0	ug/L	502	ND	94.1	66-127			
Chlorobenzene	458.3	10.0	ug/L	501	ND	91.5	76-116			
1,1,1,2-Tetrachloroethane	504.3	10.0	ug/L	503	ND	100	77-121			
Ethylbenzene	458.9	10.0	ug/L	502	ND	91.5	73-124			
Xylenes, total	1364	20.0	ug/L	1510	ND	90.3	75-123			
Styrene	534.0	10.0	ug/L	504	ND	106	70-120			
Bromoform	516.5	10.0	ug/L	501	ND	103	70-124			
1,2,3-Trichloropropane	471.8	10.0	ug/L	503	ND	93.7	62-135			
trans-1,4-Dichloro-2-butene	737.1	50.0	ug/L	1000	ND	73.7	50-120			
1,1,2,2-Tetrachloroethane	392.6	10.0	ug/L	501	ND	78.4	63-126			
1,4-Dichlorobenzene	490.7	10.0	ug/L	501	ND	97.9	72-119			
1,2-Dichlorobenzene	478.3	10.0	ug/L	501	ND	95.5	71-117			
1,2-Dibromo-3-chloropropane	488.8	50.0	ug/L	501	ND	97.5	49-134			
Surrogate: Dibromofluoromethane	462		ug/L	502		92.0	75-136			
Surrogate: 1,2-Dichloroethane-d4	414		ug/L	504		82.2	61-142			
Surrogate: Toluene-d8	496		ug/L	505		98.3	82-121			
Surrogate: 4-Bromofluorobenzene	479		ug/L	502		95.4	80-116			
Matrix Spike Dup (11J1857-MSD1)	Source: 11J2328-01			Prepared: 10/31/25 00:00 Analyzed: 10/31/25 15:31						
Chloromethane	248.1	10.0	ug/L	303	ND	81.8	61-152	7.30	26	
Vinyl Chloride	150.7	10.0	ug/L	302	ND	49.8	66-149	6.05	23	M2
Bromomethane	250.8	10.0	ug/L	301	ND	83.3	43-171	3.64	29	
Chloroethane	247.8	10.0	ug/L	303	ND	81.7	69-148	3.68	25	
Trichlorofluoromethane	284.8	10.0	ug/L	303	ND	94.0	62-163	5.70	25	
1,1-Dichloroethylene	388.8	10.0	ug/L	501	ND	77.6	70-148	6.33	22	
Acetone	1058	100	ug/L	1000	ND	106	45-173	3.80	30	
Methyl Iodide	1101	10.0	ug/L	1000	ND	110	62-167	3.38	24	
Carbon Disulfide	806.4	10.0	ug/L	1000	ND	80.6	71-163	7.79	22	
Methylene Chloride	430.8	50.0	ug/L	501	ND	86.0	69-140	4.87	19	
trans-1,2-Dichloroethylene	415.3	10.0	ug/L	501	ND	82.9	69-144	5.43	22	
1,1-Dichloroethane	382.4	10.0	ug/L	501	ND	76.3	70-138	6.21	20	
Vinyl Acetate	1400	50.0	ug/L	1420	ND	98.2	58-142	1.64	24	
cis-1,2-Dichloroethylene	408.2	10.0	ug/L	504	ND	81.1	68-151	5.50	22	
2-Butanone (MEK)	913.4	100	ug/L	1000	ND	91.3	50-160	2.22	23	
Bromochloromethane	374.4	10.0	ug/L	504	ND	74.3	65-143	4.31	22	

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1857 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1IJ1857-MSD1) Source: 1IJ2328-01 Prepared: 10/31/25 00:00 Analyzed: 10/31/25 15:31										
Chloroform	400.9	10.0	ug/L	501	ND	80.0	71-143	5.32	21	
1,1,1-Trichloroethane	405.9	10.0	ug/L	501	ND	81.0	63-133	5.63	23	
Carbon Tetrachloride	478.1	10.0	ug/L	501	ND	95.4	63-142	5.47	22	
Benzene	411.7	10.0	ug/L	504	ND	81.6	69-133	4.63	18	
1,2-Dichloroethane	411.6	10.0	ug/L	501	ND	82.2	63-138	3.77	20	
Trichloroethylene	447.5	10.0	ug/L	501	ND	89.3	71-133	6.13	23	
1,2-Dichloropropane	436.4	10.0	ug/L	501	ND	87.1	69-132	2.96	20	
Dibromomethane	428.7	10.0	ug/L	504	ND	85.1	70-147	2.92	22	
Bromodichloromethane	444.0	10.0	ug/L	501	ND	88.6	67-130	2.29	21	
cis-1,3-Dichloropropene	405.5	10.0	ug/L	501	ND	81.0	61-126	1.37	21	
4-Methyl-2-pentanone (MIBK)	793.3	50.0	ug/L	1000	ND	79.3	55-147	1.20	23	
Toluene	435.1	10.0	ug/L	505	ND	86.2	71-133	4.73	19	
trans-1,3-Dichloropropene	400.5	10.0	ug/L	501	ND	80.0	63-124	0.424	21	
1,1,2-Trichloroethane	456.4	10.0	ug/L	501	ND	91.1	69-133	2.36	19	
Tetrachloroethylene	501.8	10.0	ug/L	501	ND	100	70-124	6.29	24	
2-Hexanone (MBK)	904.4	50.0	ug/L	1000	ND	90.4	53-141	0.738	24	
Dibromochloromethane	468.2	10.0	ug/L	501	ND	93.5	74-122	1.02	21	
1,2-Dibromoethane	461.6	10.0	ug/L	502	ND	91.9	66-127	2.31	23	
Chlorobenzene	440.7	10.0	ug/L	501	ND	88.0	76-116	3.92	21	
1,1,1,2-Tetrachloroethane	507.1	10.0	ug/L	503	ND	101	77-121	0.554	25	
Ethylbenzene	432.6	10.0	ug/L	502	ND	86.2	73-124	5.90	20	
Xylenes, total	1286	20.0	ug/L	1510	ND	85.1	75-123	5.85	20	
Styrene	516.0	10.0	ug/L	504	ND	102	70-120	3.43	23	
Bromoform	521.2	10.0	ug/L	501	ND	104	70-124	0.906	22	
1,2,3-Trichloropropane	469.0	10.0	ug/L	503	ND	93.2	62-135	0.595	28	
trans-1,4-Dichloro-2-butene	726.4	50.0	ug/L	1000	ND	72.6	50-120	1.46	26	
1,1,2,2-Tetrachloroethane	384.0	10.0	ug/L	501	ND	76.6	63-126	2.21	24	
1,4-Dichlorobenzene	469.8	10.0	ug/L	501	ND	93.7	72-119	4.35	24	
1,2-Dichlorobenzene	460.5	10.0	ug/L	501	ND	91.9	71-117	3.79	24	
1,2-Dibromo-3-chloropropane	472.8	50.0	ug/L	501	ND	94.3	49-134	3.33	28	
Surrogate: Dibromofluoromethane	460		ug/L	502		91.6	75-136			
Surrogate: 1,2-Dichloroethane-d4	411		ug/L	504		81.7	61-142			
Surrogate: Toluene-d8	497		ug/L	505		98.5	82-121			
Surrogate: 4-Bromofluorobenzene	485		ug/L	502		96.6	80-116			

Metals Total by ICPMS	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1408 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1IJ1408-BLK1) Prepared: 10/23/25 15:56 Analyzed: 10/27/25 17:38										
Antimony	<0.0010	0.0010	mg/L							B
Arsenic	<0.0020	0.0020	mg/L							
Barium	<0.0010	0.0010	mg/L							



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Metals Total by ICPMS	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1408 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1IJ1408-BLK1)				Prepared: 10/23/25 15:56 Analyzed: 10/27/25 17:38						
Beryllium	<0.0005	0.0005	mg/L							
Cadmium	<0.0002	0.0002	mg/L							
Chromium	<0.0010	0.0010	mg/L							B
Cobalt	<0.0005	0.0005	mg/L							
Copper	0.0105	0.0050	mg/L							B1
Lead	<0.0010	0.0010	mg/L							
Nickel	<0.0050	0.0050	mg/L							B
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 (1IJ1408-BS1)				Prepared: 10/23/25 15:56 Analyzed: 10/27/25 17:41						
Antimony	0.104	0.0010	mg/L	0.100		104	80-120			
Arsenic	0.100	0.0020	mg/L	0.100		100	80-120			
Barium	0.109	0.0010	mg/L	0.100		109	80-120			
Beryllium	0.0974	0.0005	mg/L	0.100		97.4	80-120			
Cadmium	0.103	0.0002	mg/L	0.100		103	80-120			
Chromium	0.103	0.0010	mg/L	0.100		103	80-120			
Cobalt	0.107	0.0005	mg/L	0.100		107	80-120			
Copper	0.0983	0.0050	mg/L	0.100		98.3	80-120			
Lead	0.102	0.0010	mg/L	0.100		102	80-120			
Nickel	0.0990	0.0050	mg/L	0.100		99.0	80-120			
Selenium	0.1025	0.0020	mg/L	0.100		103	80-120			
Silver	0.103	0.0050	mg/L	0.100		103	80-120			
Thallium	0.0985	0.0005	mg/L	0.100		98.5	80-120			
Vanadium	0.112	0.0020	mg/L	0.100		112	80-120			
Zinc	0.0981	0.0050	mg/L	0.100		98.1	80-120			
Matrix Spike (1IJ1408-MS1)				Source: 1IJ1987-01 Prepared: 10/23/25 15:56 Analyzed: 10/27/25 17:46						
Antimony	0.105	0.0010	mg/L	0.100	0.0009	104	75-125			
Arsenic	0.101	0.0020	mg/L	0.100	0.0005	101	75-125			
Barium	0.165	0.0010	mg/L	0.100	0.0530	112	75-125			
Beryllium	0.0978	0.0005	mg/L	0.100	ND	97.8	75-125			
Cadmium	0.102	0.0002	mg/L	0.100	0.0010	101	75-125			
Chromium	0.103	0.0010	mg/L	0.100	0.0012	102	75-125			
Cobalt	0.102	0.0005	mg/L	0.100	0.0003	101	75-125			
Copper	0.0952	0.0050	mg/L	0.100	0.0028	92.5	75-125			
Lead	0.103	0.0010	mg/L	0.100	0.0002	103	75-125			
Nickel	0.0993	0.0050	mg/L	0.100	0.0034	95.8	75-125			
Selenium	0.1030	0.0020	mg/L	0.100	ND	103	75-125			
Silver	0.104	0.0050	mg/L	0.100	ND	104	75-125			
Thallium	0.102	0.0005	mg/L	0.100	0.00006	102	75-125			
Vanadium	0.114	0.0020	mg/L	0.100	ND	114	75-125			

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Metals Total by ICPMS	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11J1408 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Matrix Spike (11J1408-MS1)		Source: 11J1987-01		Prepared: 10/23/25 15:56 Analyzed: 10/27/25 17:46						
Zinc	0.103	0.0050	mg/L	0.100	0.0085	94.7	75-125			
Matrix Spike Dup (11J1408-MSD1)		Source: 11J1987-01		Prepared: 10/23/25 15:56 Analyzed: 10/27/25 17:54						
Antimony	0.105	0.0010	mg/L	0.100	0.0009	104	75-125	0.142	20	
Arsenic	0.101	0.0020	mg/L	0.100	0.0005	100	75-125	0.376	20	
Barium	0.164	0.0010	mg/L	0.100	0.0530	111	75-125	0.922	20	
Beryllium	0.100	0.0005	mg/L	0.100	ND	100	75-125	2.27	20	
Cadmium	0.102	0.0002	mg/L	0.100	0.0010	101	75-125	0.663	20	
Chromium	0.104	0.0010	mg/L	0.100	0.0012	102	75-125	0.611	20	
Cobalt	0.106	0.0005	mg/L	0.100	0.0003	106	75-125	4.11	20	
Copper	0.0964	0.0050	mg/L	0.100	0.0028	93.7	75-125	1.22	20	
Lead	0.103	0.0010	mg/L	0.100	0.0002	103	75-125	0.182	20	
Nickel	0.101	0.0050	mg/L	0.100	0.0034	97.7	75-125	1.83	20	
Selenium	0.1014	0.0020	mg/L	0.100	ND	101	75-125	1.61	20	
Silver	0.106	0.0050	mg/L	0.100	ND	106	75-125	2.09	20	
Thallium	0.102	0.0005	mg/L	0.100	0.00006	102	75-125	0.307	20	
Vanadium	0.114	0.0020	mg/L	0.100	ND	114	75-125	0.0334	20	
Zinc	0.104	0.0050	mg/L	0.100	0.0085	95.3	75-125	0.584	20	
Post Spike (11J1408-PS1)		Source: 11J1987-01		Prepared: 10/23/25 15:56 Analyzed: 10/27/25 17:56						
Antimony	0.0212		mg/L	0.0200	0.0009	102	80-120			
Arsenic	0.0207		mg/L	0.0200	0.0005	101	80-120			
Barium	0.0728		mg/L	0.0200	0.0530	99.0	80-120			
Beryllium	0.0197		mg/L	0.0200	0.00001	98.4	80-120			
Cadmium	0.0207		mg/L	0.0200	0.0010	98.3	80-120			
Chromium	0.0213		mg/L	0.0200	0.0012	100	80-120			
Cobalt	0.0191		mg/L	0.0200	0.0003	93.9	80-120			
Copper	0.0210		mg/L	0.0200	0.0028	91.2	80-120			
Lead	0.0201		mg/L	0.0200	0.0002	99.5	80-120			
Nickel	0.0220		mg/L	0.0200	0.0034	92.9	80-120			
Selenium	0.0204		mg/L	0.0200	0.0008	97.9	80-120			
Silver	0.0206		mg/L	0.0200	0.0001	102	80-120			
Thallium	0.0200		mg/L	0.0200	0.00006	99.7	80-120			
Vanadium	0.0201		mg/L	0.0200	0.0002	99.5	80-120			
Zinc	0.0262		mg/L	0.0200	0.0085	88.4	80-120			
Batch 11J1560 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (11J1560-BLK1)		Prepared: 10/27/25 16:24 Analyzed: 10/28/25 16:46								
Antimony	<0.0010	0.0010	mg/L							
Chromium	<0.0010	0.0010	mg/L							B
Copper	<0.0050	0.0050	mg/L							
LCS (11J1560-BS1)		Prepared: 10/27/25 16:24 Analyzed: 10/28/25 16:49								
Antimony	0.101	0.0010	mg/L	0.100		101	80-120			
Chromium	0.105	0.0010	mg/L	0.100		105	80-120			

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Metals Total by ICPMS	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IJ1560 - EPA 3005A Total Recoverable Metals - EPA 6020A										
LCS (1IJ1560-BS1)				Prepared: 10/27/25 16:24 Analyzed: 10/28/25 16:49						
Copper	0.106	0.0050	mg/L	0.100		106	80-120			
Matrix Spike (1IJ1560-MS1)				Source: 1IJ1988-01 Prepared: 10/27/25 16:24 Analyzed: 10/28/25 17:04						
Antimony	0.105	0.0010	mg/L	0.100	ND	105	75-125			
Chromium	0.106	0.0010	mg/L	0.100	0.0009	105	75-125			
Copper	0.0953	0.0050	mg/L	0.100	0.0014	93.9	75-125			
Matrix Spike Dup (1IJ1560-MSD1)				Source: 1IJ1988-01 Prepared: 10/27/25 16:24 Analyzed: 10/28/25 17:06						
Antimony	0.106	0.0010	mg/L	0.100	ND	106	75-125	1.28	20	
Chromium	0.104	0.0010	mg/L	0.100	0.0009	103	75-125	1.77	20	
Copper	0.0955	0.0050	mg/L	0.100	0.0014	94.1	75-125	0.207	20	
Post Spike (1IJ1560-PS1)				Source: 1IJ1988-01 Prepared: 10/27/25 16:24 Analyzed: 10/28/25 17:14						
Antimony	0.0202		mg/L	0.0200	0.0004	98.8	80-120			
Chromium	0.0199		mg/L	0.0200	0.0009	94.9	80-120			
Copper	0.0196		mg/L	0.0200	0.0014	90.9	80-120			
Batch 1IJ1633 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (1IJ1633-BLK1)				Prepared: 10/28/25 16:14 Analyzed: 10/29/25 17:41						
Cadmium	<0.0002	0.0002	mg/L							
Chromium	<0.0010	0.0010	mg/L							
Nickel	<0.0050	0.0050	mg/L							
Zinc	<0.0050	0.0050	mg/L							
LCS (1IJ1633-BS1)				Prepared: 10/28/25 16:14 Analyzed: 10/29/25 17:43						
Cadmium	0.0988	0.0002	mg/L	0.100		98.8	80-120			
Chromium	0.0946	0.0010	mg/L	0.100		94.6	80-120			
Nickel	0.0946	0.0050	mg/L	0.100		94.6	80-120			
Zinc	0.0996	0.0050	mg/L	0.100		99.6	80-120			
Matrix Spike (1IJ1633-MS1)				Source: 1IJ1987-03RE1 Prepared: 10/28/25 16:14 Analyzed: 10/29/25 17:56						
Cadmium	0.110	0.0002	mg/L	0.100	0.0002	110	75-125			
Chromium	0.103	0.0010	mg/L	0.100	0.0009	102	75-125			
Nickel	0.108	0.0050	mg/L	0.100	0.0068	102	75-125			
Zinc	0.109	0.0050	mg/L	0.100	0.0030	106	75-125			
Matrix Spike Dup (1IJ1633-MSD1)				Source: 1IJ1987-03RE1 Prepared: 10/28/25 16:14 Analyzed: 10/29/25 17:58						
Cadmium	0.104	0.0002	mg/L	0.100	0.0002	104	75-125	5.74	20	
Chromium	0.0974	0.0010	mg/L	0.100	0.0009	96.4	75-125	5.65	20	
Nickel	0.102	0.0050	mg/L	0.100	0.0068	95.7	75-125	5.52	20	
Zinc	0.103	0.0050	mg/L	0.100	0.0030	99.7	75-125	5.58	20	
Post Spike (1IJ1633-PS1)				Source: 1IJ1987-03RE1 Prepared: 10/28/25 16:14 Analyzed: 10/29/25 18:01						
Cadmium	0.0199		mg/L	0.0200	0.0002	98.5	80-120			
Chromium	0.0200		mg/L	0.0200	0.0009	95.0	80-120			
Nickel	0.0246		mg/L	0.0200	0.0068	89.2	80-120			
Zinc	0.0215		mg/L	0.0200	0.0030	92.4	80-120			

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Definitions

B:	The target analyte was detected in the blank at or above the method acceptance criteria.
B1:	The target analyte was detected in the method blank at or above the method acceptance criteria. The sample concentration is below 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.
Q2:	LCS recovery is above acceptance limits.
Q3:	LCS 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.

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 6.4°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:

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11/05/25 16:43

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Newton, IA 50208
Phone: 641-792-8451

Page 1 of 3

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SITE INFORMATION

Sampler: TODD WHIPPLE

Project: Northern Plains SLF-New Regs
6021-

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

Dan Chism
Northern Plains Regional Landfill
3032 420th Ave, PO Box 117
Graettinger, IA 51342

SPECIAL INSTRUCTIONS

None

Turn Around Time

☐ Standard ☐ RUSH, need by ___/___/___



1 I J 1 9 8 7

HLW Engineering
PM: Heather Murphy

Temperature: 6.4°C °C

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
01-001	MW-11 (up)	Aqueous	GRAB	10/20/25	9:34	7	Indfll-app1-metals-6020dfill-app1-voc-group	01
02-001	MW-12 (up)	Aqueous	GRAB	10/20/25	9:40	7	Indfll-app1-metals-6020dfill-app1-voc-group	02
03-001	MW-17 (up)	Aqueous	GRAB	10/20/25	12:17	7	Indfll-app1-metals-6020dfill-app1-voc-group	03
04-001	MW-3AR DRY	Aqueous	GRAB	10/20/25	—	0	Indfll-app1-metals-6020dfill-app1-voc-group	
05-001	MW-6B DRY	Aqueous	GRAB	10/20/25	—	0	Indfll-app1-metals-6020dfill-app1-voc-group	
06-001	MW-7A DRY	Aqueous	GRAB	10/20/25	—	0	Indfll-app1-metals-6020dfill-app1-voc-group	
07-001	MW-7B	Aqueous	GRAB	10/20/25	10:55	7	Indfll-app1-metals-6020dfill-app1-voc-group	04
08-001	MW-8	Aqueous	GRAB	10/20/25	11:35	7	Indfll-app1-metals-6020dfill-app1-voc-group	05
09-001	MW-9	Aqueous	GRAB	10/20/25	12:02	7	Indfll-app1-metals-6020dfill-app1-voc-group	06
10-001	MW-10	Aqueous	GRAB	10/20/25	12:36	7	Indfll-app1-metals-6020dfill-app1-voc-group	07

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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SPECIAL INSTRUCTIONS

None

Turn Around Time

☐ Standard ☐ RUSH, need by ___/___/___

LAB USE ONLY



1 I J 1 9 8 7

HLW Engineering
PM: Heather Murphy

Temperature: 64.1 °C

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
11-001	MW-14	Aqueous	GRAB	10/20/25	10:40	75	Indfil-app1-metals-6020dfill-app1-voc-group	08
12-001	MW-15	Aqueous	GRAB	10/20/25	11:15	76	Indfil-app1-metals-6020dfill-app1-voc-group	09
13-001	MW-16	Aqueous	GRAB	10/20/25	11:25	7	Indfil-app1-metals-6020dfill-app1-voc-group	10
14-001	GU-1	Aqueous	GRAB	10/20/25	12:08	7	Indfil-app1-metals-6020dfill-app1-voc-group	11
15-001	GU-2	Aqueous	GRAB	10/20/25	10:27	7	Indfil-app1-metals-6020dfill-app1-voc-group	12
16-001	Duplicate	Aqueous	GRAB	10/20/25	✓	1	Indfil-app1-metals-6020	13
17-001	MW-13 (up) <u>No Sample</u>	Aqueous	GRAB	10/20/25	—	0	Indfil-app1-metals-6020	+ EE-EDF
18-001	MW-18 (up)	Aqueous	GRAB	10/20/25	12:47	1	Indfil-app1-metals-6020	14
19-001	MW-19 (up)	Aqueous	GRAB	10/20/25	8:52	1	Indfil-app1-metals-6020	15
20-001	MW-20 (up)	Aqueous	GRAB	10/20/25	8:13	1	Indfil-app1-metals-6020	16

Relinquished By

Date/Time

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Date/Time

Remarks:

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Date/Time

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SPECIAL INSTRUCTIONS

None

Turn Around Time

☐ Standard ☐ RUSH, need by ___/___/___

LAB USE ONLY



1 I J 1 9 8 7

HLW Engineering
PM: Heather MurphyTemperature: 6.4°C

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
21-001	MW-21 (up)	Aqueous	GRAB	10/20/25	8:20	1	Indfll-app 1-metals-6020	17

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Date/Time

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Date/Time

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Date/Time

Remarks:

Appendix D

Turbidity Data

Northern Plains Regional Landfill

Field Turbidity Over Time

No-Purge Sampling

	10/23/14	1/16/15	4/2/15	9/15/15	10/26/15	4/1/16	10/19/16	4/17/17	10/11/17	6/1/18	10/3/18	1/3/19	4/8/19	10/11/19
<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>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>
3AR	0.92		8.74		22	40.11	13.9	1.98	9.45	18.58	27.40			5.77
6B	0.62		1.54		4.93	0.29	1.78	0.54	0.49	1.04	1.97	8.94	1.61	0.7
7A	Dry		27.81		Dry	2.77	4.01	3.27	0.89	2.97	2.96		1.95	2.76
7B	3.26		1.14		6.39	1.95	2.77	19.53	3.19	16.98	4.42		2.03	5.05
8	21.21		7.63		2.65	8.60	40.8	16.23	2.51	25.58	15.10		11.34	1.94
9	8.54		112.2		18.4	107.20	17.6	0.81	1.93	2.32	7.43		4.83	16.6
10	0.38		0.22		2.19	0.56	2.34	6.87	8.22	1.77	1.93		6.06	1.14
11	0.58	3.60	3.57	2.27	3.43	4.66	1.58	5.07	0.5	7.2	3.29		1.49	12.8
12	8.59	2.30	2.63	9.46	1.4	0.96	241	334.50	72.62	6.15	18.40		4.14	14.7
13														
14	10.44		167.9		9.16	23.76	41.5	34.15	21.08	265.2	6.71		12.11	16.2
15	871.7		1.75		4.5	1.59	74.7	7.07	2.96	9.33	29.50		4.68	61.7
16	10.83		4.85		42.1	12.10	87.8	7.91	41.14	78.7	4.29		6.24	17.4
17	6.38	250.00	192.1	11.72	5.86	318.40	42.9	164.10	8.13	1.35	6.88		17.30	4.47
18														
19														
20														
21														
GU#1						0.83	13.9	8.97	Dry	2.79	2.82		0.55	2.00
GU#2	0.97		0.26		2.92	3.85	1.34	1.09	2.59	3.1	21.40	6.43	1.07	14.00
Max	871.70	250.00	192.10	11.72	42.10	318.40	241.00	334.50	72.62	265.20	29.50	8.94	17.30	61.70
Min	0.38	2.30	0.22	2.27	1.40	0.29	1.34	0.54	0.49	1.04	1.93	6.43	0.55	0.70
Median	6.38	3.60	4.21	9.46	4.93	3.85	13.90	7.07	3.08	6.15	6.71	7.69	4.41	5.77
Average	72.65	85.30	38.02	7.82	9.69	35.18	39.19	40.81	12.55	29.54	10.30	7.69	5.39	11.82

Northern

Field Turbic

No-Purge S

	4/27/20	10/9/20	1/8/21	4/9/21	6/23/21	10/25/21	1/13/22	4/11/22	7/6/22	10/12/22	4/6/23	6/27/23	10/9/23	4/4/24
<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>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>
3AR	5.1			1.52		29.48					1.9			3
6B	1.15			1.69		2.29		4.88			3.52			3.23
7A	2.58			3.72		2.14		1.09			1.44			2.77
7B	11	8.59		1.79		2.02		5.84		1.69	2.11		3.54	6.09
8	7.07	16.20		520.8	16.9	522.1		8.71	37.49	421.5	438.5		569.4	410.8
9	49.8	4.67	10.9	2.83		3.9		135		3.91	8.26		5.69	5.23
10	1.01	1.95		2.98		1.85		1.38		1.19	1.29		2.87	2.87
11	0.86	14.75		6.17		4.38		3.15		5.23	1.73		9.81	7.28
12	3.83	2.70		1.77		3.12		2.09		1.37	6.81		6.3	2.74
13												2.29	1.47	3.84
14	119	22.98		3.91		5.02		56.7		5.88	1.45		8.64	25.62
15	3.37	2.89		35.12		2.51		3.73		17.86	4.38		4.06	4.77
16	25.3	16.62		16.23	8.04	58.78	85.7	40.6		3.72	28.76		8.12	103.6
17	79.3	1.93		9.28		4.08		56.7		5.02	8.64		8.78	28.33
18											2.97		1.22	1.49
19											0.94		1.14	1.95
20											24.73		6.25	1.39
21											1.26		1.66	2.06
GU#1	6.01	3.20		1.96				10.6	3.27	1.43	1.77		5.76	3.14
GU#2	16.9	3.36		1.71		1.62	5.78	0.98		2.71	1.16	1.64	1.35	1.83
Max	119.00	22.98	10.90	520.80	16.90	522.10	85.70	135.00	37.49	421.50	438.50	2.29	569.40	410.80
Min	0.86	1.93	10.90	1.52	8.04	1.62	5.78	0.98	3.27	1.19	0.94	1.64	1.14	1.39
Median	6.01	4.02	10.90	2.98	12.47	3.51	45.74	5.36	20.38	3.82	2.11	1.97	5.69	3.19
Average	22.15	8.32	10.90	40.77	12.47	45.95	45.74	23.68	20.38	39.29	28.51	1.97	38.00	31.10

Northern

Field Turbic

No-Purge S

	10/16/24	4/7/25	10/9/25	Max	Min	Ave	Std Dev
<u>Well</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>				
3AR	6.01	3.60		40.11	0.92	11.73	11.74
6B		2.63		8.94	0.29	2.31	2.12
7A		4.26		27.81	0.89	4.21	6.37
7B	2.42	2.73	0.3	19.53	0.30	4.99	4.89
8	40.64	223.10	2.08	569.40	1.94	135.56	204.57
9	4.01	7.50	0.31	135.00	0.31	22.49	38.51
10	3.99	2.64	0.4	8.22	0.22	2.44	2.08
11	4.36	2.73	0.49	14.75	0.49	4.44	3.66
12	5.49	6.83	1.71	334.50	0.96	30.46	79.86
13	2.87	3.33		3.84	1.47	2.76	0.92
14	3.58	10.88	0.65	265.20	0.65	37.94	63.54
15	3.62	4.22	0.7	871.70	0.70	50.29	180.13
16	13.01	81.54	0.32	103.60	0.32	32.15	31.88
17	7.86	127.50	0.39	318.40	0.39	54.70	87.16
18	4.24	1.83	0.38	4.24	0.38	2.02	1.38
19	1.95	2.01	1.37	2.01	0.94	1.56	0.47
20	1.91	1.74	8.15	24.73	1.39	7.36	8.95
21	1.45	2.04	0.83	2.06	0.83	1.55	0.47
GU#1	4.57	2.59	0.41	13.90	0.41	4.03	3.61
GU#2	2.82	2.15	0.39	21.40	0.26	3.98	5.27
Max	40.64	223.10	8.15				
Min	1.45	1.74	0.30				
Median	4.00	3.03	0.45				
Average	6.38	24.79	1.18				

Appendix E

On-Going Summary of Prediction Limit Exceedances

Spring 2014		Fall 2014	
MW-7A	1,1-dichloroethane	MW-7A	None
	cis-1,1-dichloroethene		
	vinyl chloride		
MW-7B	Barium	MW-7B	None
	1,1-dichloroethane		
	vinyl chloride		
MW-8	Arsenic	MW-8	Arsenic
	Barium		
	1,1-dichloroethane		
	chloroethane		
MW-14	Arsenic	MW-14	Barium
	Barium		
MW-15	None	MW-15	1,1-dichloroethane
			chloroethane
GU-3	Not Sampled	GU-3	Arsenic
			1,1-dichloroethane
			1,4-dichlorobenzene
			chloroethane
			cis-1,1-dichloroethene
			vinyl chloride

Spring 2015		Fall 2015	
MW-3AR	Cadmium	MW-3AR	None
MW-7A	Nickel	MW-7A	None
MW-8	None	MW-8	Arsenic
MW-14	Nickel	MW-14	Arsenic
			Barium
			Benzene
MW-15	Chloroethane	MW-15	Nickel
			1,1-dichloroethane
			Chloroethane
GU-3	1,1-dichloroethane	GU-3	Connected to LCS
	1,4-dichlorobenzene		
	Bis(2-ethylhexyl)phthalate		
	Chloroethane		

Spring 2016		Fall 2016	
MW-3AR	None	MW-3AR	Cobalt
MW-7A	None	MW-7A	Nickel

			1,1-dichloroethane
			Cis-1,2-dichloroethene
MW-7B	None	MW-7B	Barium
			Nickel
MW-8	None	MW-8	Arsenic
			Barium
MW-10	None	MW-10	Copper
MW-14	Arsenic	MW-14	Barium
	Barium		Cadmium
			Cobalt
MW-15	None	MW-15	Nickel

Spring 2017		Fall 2017	
MW-3AR	Cobalt	MW-3AR	Cadmium
MW-7A	Cadmium	MW-7A	Nickel
	Cobalt		1,1-dichloroethane
	Nickel		Cis-1,2-dichloroethene
			Vinyl Chloride
MW-7B	Barium	MW-7B	Barium
	Cobalt		Cobalt
	Nickel		Nickel
MW-8	Arsenic	MW-8	Barium
	Barium		
MW-10	Cobalt	MW-10	None
	Nickel		
MW-14	Arsenic	MW-14	Barium
	Barium		Cobalt
	Cobalt		Nickel
	Nickel		
	Benzene		
MW-15	Cobalt	MW-15	Nickel
	Nickel		

Spring 2018		Fall 2018	
MW-3AR	none	MW-3AR	Copper
MW-6B	none	MW-6B	zinc
MW-7A	Nickel	MW-7A	Nickel
	1,1-dichloroethane		Zinc

	Cis-1,2-dichloroethene		1,1-dichloroethane
	Vinyl Chloride		Cis-1,2-dichloroethene
MW-7B	Barium	MW-7B	Barium
	Cobalt		Cobalt
	Nickel		Nickel
MW-8	Barium	MW-8	Cadmium
			Chloroethane
MW-10	Bis(2-ethylhexyl)phthalate	MW-10	Cadmium
			Cobalt
MW-14	Arsenic	MW-14	Barium
	Barium		Cobalt
	Cobalt		Benzene
	Benzene		
MW-15	Nickel	MW-15	Nickel

Spring 2019		Fall 2019	
MW-3AR	none	MW-3AR	none
MW-6B	bis(2-ethylhexyl)phthalate	MW-6B	none
MW-7A	Nickel	MW-7A	Nickel
			1,1-dichloroethane
			Cis-1,2-dichloroethene
MW-7B	Nickel	MW-7B	Nickel
MW-8	Lead	MW-8	Arsenic
			Barium
			Nickel
MW-10	Copper	MW-10	Copper
			Nickel
MW-14	Barium	MW-14	Barium
MW-15	Cobalt	MW-15	Nickel
	Nickel		

Spring 2020		Fall 2020	
MW-3AR	none	MW-3AR	Dry
MW-6B	bis(2-ethylhexyl)phthalate	MW-6B	Dry
MW-7A	Nickel	MW-7A	Dry
MW-7B	Nickel	MW-7B	Nickel
MW-8	Arsenic	MW-8	Arsenic
			Barium
MW-10	Nickel	MW-10	Cobalt
			Nickel
MW-14	Barium	MW-14	Barium
	Cobalt		Benzene
	Nickel		
	Benzene		
	Methylacrylonitrile		
MW-15	Nickel	MW-15	Nickel
	bis(2-ethylhexyl)phthalate		

Spring 2021		Fall 2021	
MW-3AR	none	MW-3AR	none
MW-6B	none	MW-6B	none
MW-7A	Nickel	MW-7A	Nickel
MW-7B	none	MW-7B	none
MW-8	Arsenic	MW-8	Arsenic
	Barium		Barium
MW-10	Copper	MW-10	none
MW-14	none	MW-14	none
MW-15	Nickel	MW-15	Nickel
MW-16	none	MW-16	Nickel
GU-2	none	GU-2	none

Spring 2022		Fall 2022	
MW-7A	Nickel	MW-7A	Dry
MW-7B	Nickel	MW-7B	Barium
MW-8	Arsenic	MW-8	Arsenic
	Barium		Barium
	Lead		
MW-10	None	MW-10	None
MW-14	Arsenic	MW-14	Barium
	Barium		Cobalt
MW-15	None	MW-15	Nickel
MW-16	Bis(2-ethylhexyl)phthalate	MW-16	None
GU-2	None	GU-2	Zinc

Spring 2023		Fall 2023	
MW-3AR	Copper	MW-3AR	Dry
MW-6B	Selenium	MW-6B	Dry
MW-7A	Nickel	MW-7A	Dry
MW-8	None	MW-8	Arsenic
			Barium
MW-10	None	MW-10	Copper
MW-14	None	MW-14	Barium
MW-15	None	MW-15	Nickel
			Benzene
GU-2	Bis(2-ethylhexyl)phthalate	GU-2	None

Spring 2024		Fall 2024	
MW-7B	None	MW-7B	Barium
MW-8	Lead	MW-8	None
	Selenium		
MW-10	None	MW-10	Cadmium
			Copper
			Nickel
MW-14	None	MW-14	Barium
MW-15	Nickel	MW-15	Nickel
MW-16	Barium	MW-16	Barium
			Nickel

Spring 2025		Fall 2025	
MW-3AR	Cadmium	MW-3AR	Dry
MW-7A	Nickel	MW-7A	Dry
MW-7B	Barium	MW-7B	Barium
MW-8	Arsenic	MW-8	Arsenic
	Barium		Barium
	Cadmium		
	Zinc		
MW-10	Copper	MW-10	None
MW-14	None	MW-14	Barium
			Cadmium
			Benzene
MW-15	None	MW-15	Cadmium
			Nickel
MW-16	None	MW-16	None

Appendix F

Assessment Monitoring Summary

bis(2-ethylhexyl)phthalate (ug/L)

[illegible]

Sulfide (mg/L)

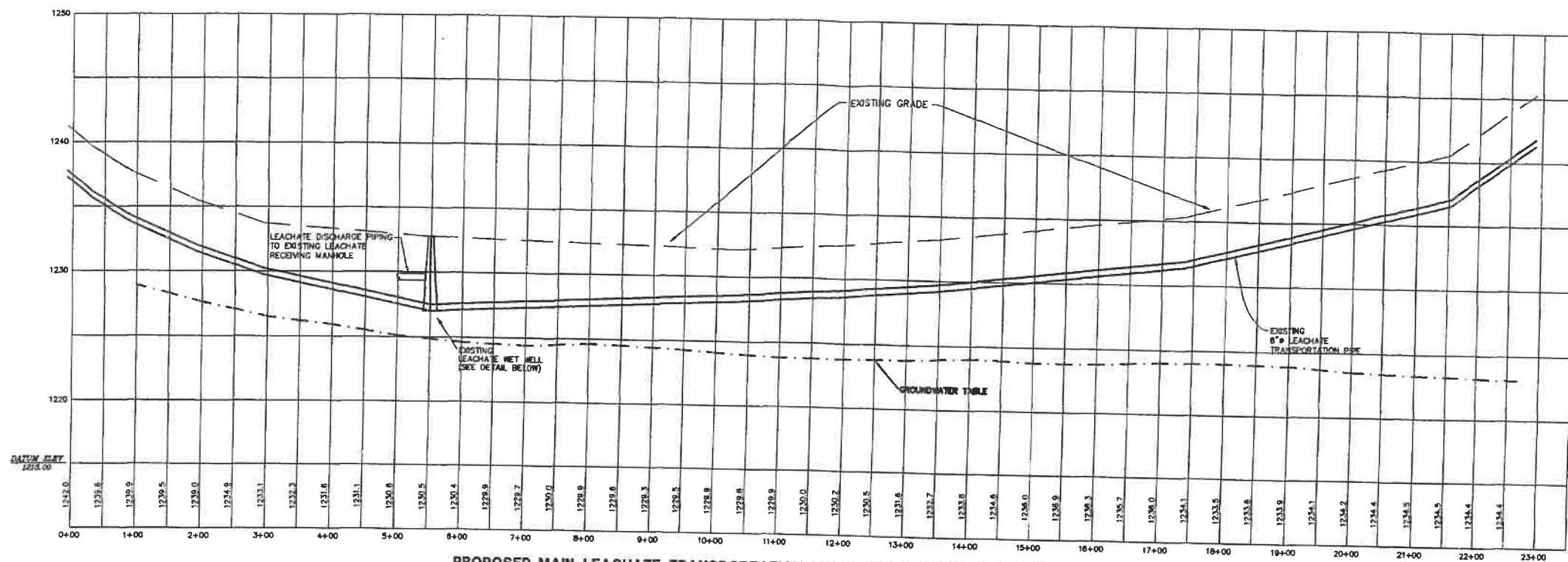
Date	MW-3AR	MW-6B	MW-7A	MW-7B	MW-8	MW-10	MW-14	MW-15	MW-16
6/9/09	NT	NT	<0.1	<0.1	<0.1	NT	0.11	0.18	NT
10/29/09	NT	NT	<0.1	<0.1	<0.1	NT	<0.1	<0.1	NT
4/19/10	NT	NT	NT	NT	NT	NT	0.4	<0.1	NT
10/20/10	NT	NT	<0.1	<0.1	<0.1	NT	NT	NT	NT
10/31/11	<0.1	NT	NT	NT	NT	NT	NT	NT	NT
4/25/12	<0.1	NT	NT	NT	NT	NT	<0.1	NT	NT
4/15/13	NT	NT	NT	NT	NT	NT	<0.1	<0.1	NT
8/9/13	NT	NT	NT	NT	NT	NT	<0.1	<0.1	NT
4/7/14	NT	NT	NT	NT	NT	NT	<0.1	<0.1	NT
10/23/14	NT	NT	NT	NT	NT	NT	<0.1	0.12	NT
4/2/15	NT	NT	<0.1	<0.1	0.55	NT	<0.1	<0.1	NT
10/26/15	NT	NT	Dry	NT	<0.1	NT	<0.1	<0.1	NT
4/1/16	NT	NT	NT	NT	0.16	NT	<0.1	0.11	NT
10/19/16	NT	NT	NT	NT	<0.1	NT	<0.1	<0.1	NT
4/17/17	<0.1	NT	NT	NT	<0.1	<0.1	<0.1	<0.1	NT
10/11/17	NT	NT	NT	NT	<0.1	NT	<0.1	<0.1	NT
6/01/18	NT	NT	NT	NT	0.32	<0.2	<0.2	<0.2	NT
10/3/2018	NT	NT	NT	NT	<0.1	NT	<0.1	<0.1	NT
4/8/2019	NT	<0.1	NT	NT	<0.1	NT	<0.1	<0.1	NT
10/11/2019	NT	NT	NT	NT	<0.1	NT	<0.1	<0.1	NT
4/27/2020	NT	<0.1	<0.1	<0.1	<0.3	NT	<0.1	<0.1	NT
10/9/2020	NT	NT	NT	NT	<0.1	NT	NT	NT	NT
4/9/2021	NT	NT	NT	NT	<0.1	NT	NT	NT	NT
10/25/2021	NT	NT	NT	NT	<0.1	NT	NT	NT	NT
4/11/2022	frozen	NT	NT	NT	NT	NT	NT	NT	1.8
10/12/2022	dry	dry	dry	NT	NT	NT	NT	NT	NT
4/6/2023	<0.1	NT	NT	NT	NT	NT	NT	NT	<1.5
10/9/2023	dry	dry	dry	NT	NT	NT	NT	NT	NT
4/4/2024	NT	NT	NT	NT	NT	<0.3	NT	NT	NT
10/16/2024	NT	dry	dry	NT	NT	NT	NT	NT	NT
4/7/2025	NT	<0.1	<0.1	<0.1	<0.3	NT	<0.3	<0.3	NT
10/20/2025	NT	NT	NT	NT	NT	NT	NT	NT	NT

NT = Not tested

= Full Appendix II Sample Collected

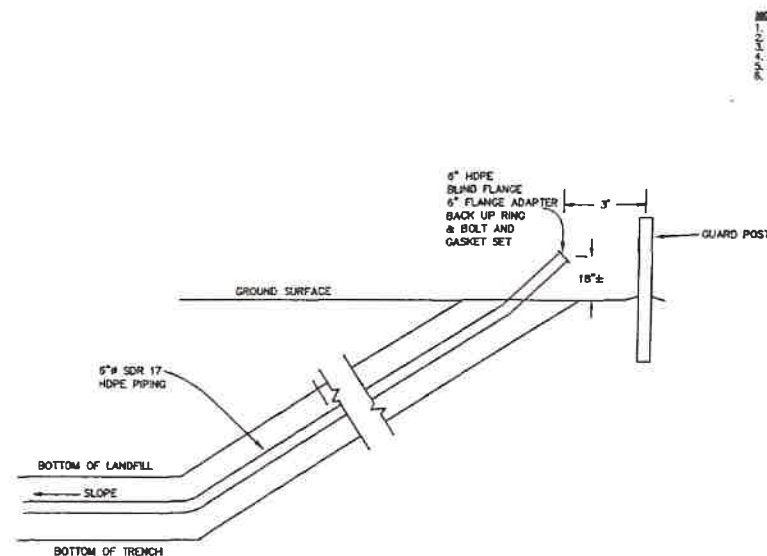
Appendix G

1999 Toe Drain Map

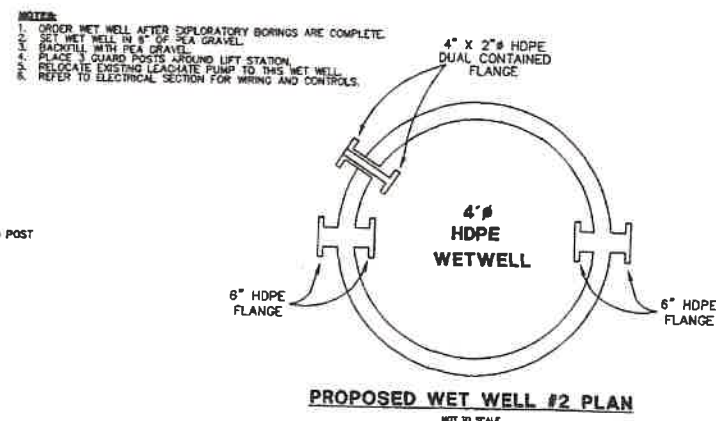


PROPOSED MAIN LEACHATE TRANSPORTATION PIPING FOR EXISTING CELLS 1A-4A AND 1-12

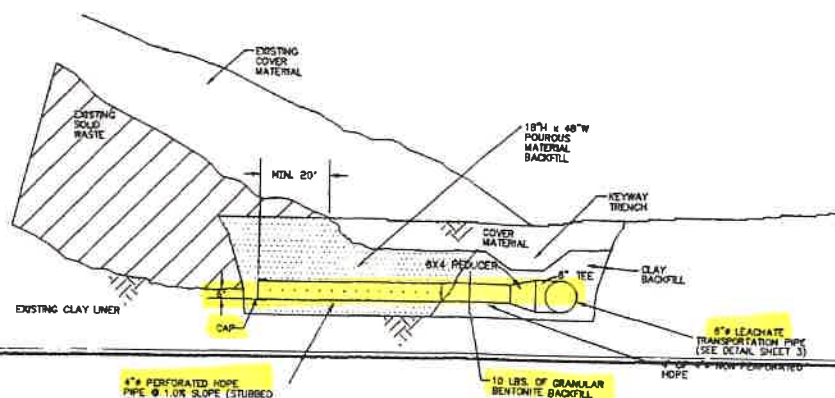
AS-BUILT



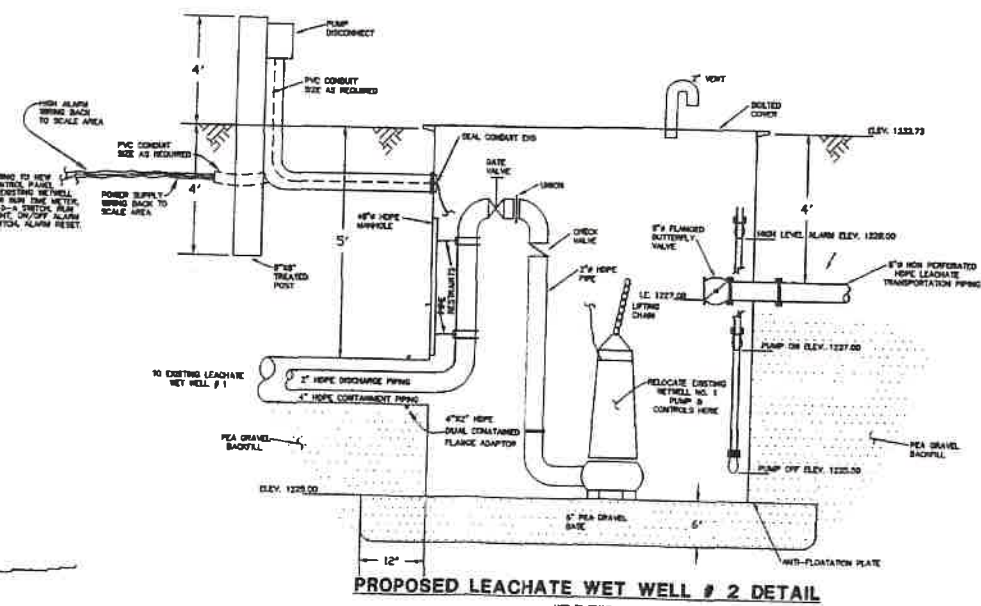
RISER PIPE AND
CLEAN OUT DETAIL
(TYPICAL AT EVERY CELL)
NOT TO SCALE



PROPOSED WET WELL #2 PLAN
NOT TO SCALE



EXISTING DEVELOPED CELLS (1A-4A, 1-12 AND 5A-12A) LEACHATE COLLECTION DETAIL
NOT TO SCALE



PROPOSED LEACHATE WET WELL #2 DETAIL
NOT TO SCALE



I hereby certify that this engineering document was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.
Signed: *Paul R. Pettit* Date: 11-11-99
Paul R. Pettit, P.E. Lic. No. 12400
My license renewal date is December 31, 1999
Pages or sheets covered by this seal: 5

JW JACOBSON-WESTERGARD & ASSOCIATES, INC.
106 S. SIXTH ST. ESTHERVILLE, IOWA
CONSULTING ENGINEERS LAND SURVEYING

REVISIONS	BY	DATE
1. REVERSE SIDE PIPING	J.L.R.	3-17-99
2. REVERSE DETAILS	J.L.R.	7-9-99
3. AS-BUILTS	J.L.R.	11-19-99

HUGH J. FLANNAGAN LANDFILL
PALO ALTO COUNTY, IOWA
LEACHATE COLLECTION SYSTEM

DETAIL SHEET

Con 12-1-1
Doc # 12873

Project Number: E-91236
Sheet: 4 OF 5

Appendix H

Leachate Collection System Performance Evaluation Dat

Appendix H.1 -
Leachate Hauled to Spencer for Treatment

<u>2025 Leachate Summary</u>		
	<u>Gallons per Month</u>	<u>Gallons January to Year End</u>
<u>January</u>	251,223.02	251,223.02
<u>February</u>	118326.14	369549.16
<u>March</u>	209340.53	578889.68
<u>April</u>	582923.26	1161812.95
<u>May</u>	302920.86	1464733.81
<u>June</u>	272745.8	1737479.61
<u>July</u>	536215.83	2273695.44
<u>August</u>	432155.88	2705851.32
<u>September</u>	372839.33	3078690.64
<u>October</u>	322577.94	3401268.58
<u>November</u>	246875.30	3648143.88
<u>December</u>	134546.76	3782690.64

Appendix H.2- Leachate Analyses by the POTW

Northern Plains

January 2025

Date	4.0 SIU/IPP Industries\Northern Plains							
	Landfill Flow	Landfill BOD AVG	BOD Load #/day	Landfill TSS AVG	TSS Load #/day	Landfill NH-3 AVG	Northern Plains NH3 Load #/day	Landfill pH AVG
	GPD	(mg/l)	Lbs/day	(mg/l)	Lbs/day	(mg/l)	Lbs/day	SU
1/1/2025								
1/2/2025								
1/3/2025	31,665			20	5.3	221.0	58.4	7.66
1/4/2025								
1/5/2025								
1/6/2025	15,809							
1/7/2025								
1/8/2025								
1/9/2025	15,798	125	16.5	24	3.2	317.0	41.8	7.40
1/10/2025								
1/11/2025								
1/12/2025								
1/13/2025								
1/14/2025								
1/15/2025	31,586							8.40
1/16/2025	7,856							8.30
1/17/2025	7,800							8.40
1/18/2025								
1/19/2025								
1/20/2025								
1/21/2025								
1/22/2025	23,610							8.20
1/23/2025								8.40
1/24/2025	23,552							
1/25/2025								
1/26/2025								
1/27/2025	23,533							
1/28/2025	23,379							
1/29/2025	15,677							
1/30/2025	23,153							
1/31/2025								
Minimum	7,800	125	16.5	20	3.2	221.0	41.8	7.40
Maximum	31,665	125	16.5	24	5.3	317.0	58.4	8.40
Total	243,418	125	16.5	44	8.4	538.0	100.1	56.76
Average	20,285	125	16.5	22	4.3	269.0	50.1	8.11

Northern Plains

February 2025

	4.0 SIU/IPP Industries\Northern Plains							
	Landfill Flow	Landfill BOD AVG	BOD Load #/day	Landfill TSS AVG	TSS Load #/day	Landfill NH-3 AVG	Northern Plains NH3 Load #/day	Landfill pH AVG
Date	GPD	(mg/l)	Lbs/day	(mg/l)	Lbs/day	(mg/l)	Lbs/day	SU
2/1/2025	0							
2/2/2025	0							
2/3/2025	15,734							
2/4/2025	15,707							
2/5/2025	15,688							
2/6/2025	15,592							
2/7/2025	0							
2/8/2025	0							
2/9/2025	0							
2/10/2025	23,508							
2/11/2025	0							
2/12/2025	0							
2/13/2025	0							
2/14/2025	15,871							
2/15/2025	0							
2/16/2025	0							
2/17/2025	0							
2/18/2025	0							
2/19/2025	0							
2/20/2025	0							
2/21/2025	0							
2/22/2025	0							
2/23/2025	0							
2/24/2025	16,225							
2/25/2025	0							
2/26/2025	0							
2/27/2025	0							
2/28/2025	0							
Minimum	0							
Maximum	23,508							
Total	118,325							
Average	4,226							

Northern Plains

March 2025

Date	4.0 SIU/IPP Industries\Northern Plains							
	Landfill Flow	Landfill BOD AVG	BOD Load #/day	Landfill TSS AVG	TSS Load #/day	Landfill NH-3 AVG	Northern Plains NH3 Load #/day	Landfill pH AVG
	GPD	(mg/l)	Lbs/day	(mg/l)	Lbs/day	(mg/l)	Lbs/day	SU
3/1/2025	0							
3/2/2025	0							
3/3/2025	23,365							
3/4/2025	0							
3/5/2025	0							
3/6/2025	0							
3/7/2025	0							
3/8/2025	0							
3/9/2025	0							
3/10/2025	7,643							
3/11/2025	31,504	78	20.5	10	2.6	257.0	67.5	
3/12/2025	16,048							7.67
3/13/2025	0							
3/14/2025	14,746							
3/15/2025	0							
3/16/2025	0							7.67
3/17/2025	22,492	51	9.6	20	3.8	166.0	31.1	
3/18/2025	7,432							
3/19/2025	0							
3/20/2025	0							
3/21/2025	15,014							
3/22/2025	0							
3/23/2025	0							
3/24/2025	7,616	41	2.6	30	1.9	180.0	11.4	
3/25/2025	0							7.87
3/26/2025	23,832							
3/27/2025	7,837							
3/28/2025	0							
3/29/2025	0							
3/30/2025	0	48	0.0	273	0.0	123.0	0.0	
3/31/2025	23,791							7.95
Minimum	0	41	0.0	10	0.0	123.0	0.0	7.67
Maximum	31,504	78	20.5	273	3.8	257.0	67.5	7.95
Total	201,320	218	32.7	333	8.3	726.0	110.1	31.16
Average	6,494	55	8.2	83	2.1	181.5	27.5	7.79

Northern Plains

April 2025

Date	4.0 SIU/IPP Industries\Northern Plains							
	Landfill Flow	Landfill BOD AVG	BOD Load #/day	Landfill TSS AVG	TSS Load #/day	Landfill NH-3 AVG	Northern Plains NH3 Load #/day	Landfill pH AVG
	GPD	(mg/l)	Lbs/day	(mg/l)	Lbs/day	(mg/l)	Lbs/day	SU
4/1/2025	31,818							
4/2/2025	32,134							
4/3/2025	38,482							
4/4/2025	50,559							
4/5/2025	15,520							
4/6/2025	0							
4/7/2025	50,062	113	47.2	36	15.0	130.0	54.3	7.99
4/8/2025	65,000							
4/9/2025	52,362							
4/10/2025	22,350							
4/11/2025	0							
4/12/2025	0							
4/13/2025	0							
4/14/2025	0							
4/15/2025	23,755					114.0	22.6	
4/16/2025	23,626	98	19.3	21	4.1			8.01
4/17/2025	0							
4/18/2025	24,086							8.30
4/19/2025	0							
4/20/2025	0							
4/21/2025	15,779					165.0	21.7	8.30
4/22/2025	15,859	76	10.1	11	1.5			8.30
4/23/2025	36,640							
4/24/2025	15,633							
4/25/2025	0							
4/26/2025	0							
4/27/2025	15,777							
4/28/2025	15,717							
Minimum	0	76	10.1	11	1.5	114.0	21.7	7.99
Maximum	65,000	113	47.2	36	15.0	165.0	54.3	8.30
Total	545,159	287	76.5	68	20.6	409.0	98.6	40.90
Average	19,470	96	25.5	23	6.9	136.3	32.9	8.18

Northern Plains

May 2025

Date	4.0 SIU/IPP Industries\Northern Plains							
	Landfill Flow	Landfill BOD AVG	BOD Load #/day	Landfill TSS AVG	TSS Load #/day	Landfill NH-3 AVG	Northern Plains NH3 Load #/day	Landfill pH AVG
	GPD	(mg/l)	Lbs/day	(mg/l)	Lbs/day	(mg/l)	Lbs/day	SU
5/1/2025	7,902							
5/2/2025	13,933							
5/3/2025								
5/4/2025				16		179.0		
5/5/2025	15,700	65	8.5					
5/6/2025	15,727							
5/7/2025								
5/8/2025	7,847							
5/9/2025								
5/10/2025								
5/11/2025								
5/12/2025	7,806							
5/13/2025								
5/14/2025								
5/15/2025								
5/16/2025								
5/17/2025								
5/18/2025								
5/19/2025	31,396	54	14.1	63	16.5	144.0	37.7	7.97
5/20/2025	35,439	70	20.7	37	10.9	192.0	56.7	7.83
5/21/2025	49,820	59	24.5	58	24.1	164.0	68.1	7.96
5/22/2025	21,897	65	11.9	42	7.7	156.0	28.5	8.04
5/23/2025	13,880			29	3.4	146.0	16.9	7.83
5/24/2025								
5/25/2025								
5/26/2025								
5/27/2025	31,928	97	25.8	16	4.3	154.0	41.0	8.08
5/28/2025	7,988	126	8.4	21	1.4	151.0	10.1	7.97
Minimum	7,806	54	8.4	16	1.4	144.0	10.1	7.83
Maximum	49,820	126	25.8	63	24.1	192.0	68.1	8.08
Total	261,263	536	113.9	282	68.2	1,286.0	259.1	55.68
Average	20,097	77	16.3	35	9.8	160.8	37.0	7.95

Northern Plains

June 2025

Date	4.0 SIU/IPP Industries\Northern Plains							
	Landfill Flow	Landfill BOD AVG	BOD Load #/day	Landfill TSS AVG	TSS Load #/day	Landfill NH-3 AVG	Northern Plains NH3 Load #/day	Landfill pH AVG
	GPD	(mg/l)	Lbs/day	(mg/l)	Lbs/day	(mg/l)	Lbs/day	SU
6/1/2025								
6/2/2025	15,652	138	18.0	10	1.3	157.0	20.5	7.97
6/3/2025								
6/4/2025								
6/5/2025	7,751							
6/6/2025	27,938			22	5.1	159.0	37.0	
6/7/2025								
6/8/2025								
6/9/2025	7,640	141	9.0	15	1.0	132.0	8.4	
6/10/2025	7,583	140	8.9	19	1.2	188.0	11.9	
6/11/2025	15,875			19	2.5	109.0	14.4	
6/12/2025								
6/13/2025	15,686			35	4.6	46.2	6.0	7.15
6/14/2025								
6/15/2025								
6/16/2025	23,815	198	39.3	13	2.6	118.0	23.4	7.70
6/17/2025	15,811	201	26.5	13	1.7	86.9	11.5	7.70
6/18/2025								
6/19/2025	23,664	203	40.1	10	2.0	188.0	37.1	7.70
6/20/2025	15,847			10	1.3	169.0	22.3	7.70
6/21/2025								
6/22/2025								
6/23/2025	8,163							
6/24/2025	23,789			12	2.4	161.0	31.9	7.70
6/25/2025	23,808							7.70
6/26/2025	31,770	186	49.3	28	7.4	145.0	38.4	7.70
6/27/2025	7,954			17	1.1	170.0	11.3	7.70
6/28/2025								
Minimum	7,583	138	8.9	10	1.0	46.2	6.0	7.15
Maximum	31,770	203	49.3	35	7.4	188.0	38.4	7.97
Total	272,746	1,207	191.0	223	34.2	1,829.1	274.3	76.72
Average	17,047	172	27.3	17	2.6	140.7	21.1	7.67

Northern Plains

July 2025

Date	4.0 SIU/IPP Industries\Northern Plains							
	Landfill Flow	Landfill BOD AVG	BOD Load #/day	Landfill TSS AVG	TSS Load #/day	Landfill NH-3 AVG	Northern Plains NH3 Load #/day	Landfill pH AVG
	GPD	(mg/l)	Lbs/day	(mg/l)	Lbs/day	(mg/l)	Lbs/day	SU
7/1/2025	7,830	171	11.2	20	1.3	149.0	9.7	7.80
7/2/2025	7,856	170	11.1	17	1.1	155.0	10.2	7.80
7/3/2025	22,686	156	29.5	19	3.6	159.0	30.1	7.80
7/4/2025								
7/5/2025								
7/6/2025								
7/7/2025	16,074	134	18.0	20	2.7	166.0	22.3	7.80
7/8/2025	16,046	140	18.7	18	2.4	154.0	20.6	7.80
7/9/2025	7,492	138	8.6	13	0.8	112.0	7.0	7.70
7/10/2025	7,904	153	10.1	12	0.8	110.0	7.3	7.90
7/11/2025	16,151			20	2.7	173.0	23.3	7.80
7/12/2025								
7/13/2025								
7/14/2025	23,885	149	29.7	17	3.4	162.0	32.3	7.70
7/15/2025	13,902	163	18.9	21	2.4	168.0	19.5	7.80
7/16/2025	28,734	162	38.8	18	4.3	154.0	36.9	7.70
7/17/2025	28,995	169	40.9	22	5.3	144.0	34.8	7.90
7/18/2025	28,213			55	12.9	157.0	36.9	7.90
7/19/2025								
7/20/2025								
7/21/2025	30,233	223	56.2	81	20.4	154.0	38.8	7.60
7/22/2025	31,823	178	47.2	61	16.2	141.0	37.4	7.80
7/23/2025	23,477	170	33.3	27	5.3	148.0	29.0	7.76
7/24/2025	24,108	172	34.6			163.0	32.8	7.70
7/25/2025	16,276			75	10.2	159.0	21.6	7.85
7/26/2025								
7/27/2025								
7/28/2025	29,806	191	47.5	37	9.2	150.0	37.3	7.17
Minimum	7,492	134	8.6	12	0.8	110.0	7.0	7.17
Maximum	31,823	223	56.2	81	20.4	173.0	38.8	7.90
Total	381,491	2,639	454.3	553	105.1	2,878.0	487.7	147.28
Average	20,078	165	28.4	31	5.8	151.5	25.7	7.75

Northern Plains

August 2025

Date	4.0 SIU/IPP Industries\Northern Plains							
	Landfill Flow	Landfill BOD AVG	BOD Load #/day	Landfill TSS AVG	TSS Load #/day	Landfill NH-3 AVG	Northern Plains NH3 Load #/day	Landfill pH AVG
	GPD	(mg/l)	Lbs/day	(mg/l)	Lbs/day	(mg/l)	Lbs/day	SU
8/1/2025	0			49	0.0	106.0	0.0	7.17
8/2/2025	0							
8/3/2025	0							
8/4/2025	0			42	0.0	131.0	0.0	7.47
8/5/2025	0			48	0.0	129.0	0.0	7.40
8/6/2025	0	410	0.0	28	0.0	125.0	0.0	7.47
8/7/2025	0	438	0.0	31	0.0	129.0	0.0	7.43
8/8/2025	0			11	0.0	140.0	0.0	7.43
8/9/2025	0							
8/10/2025	0							
8/11/2025	0	336	0.0	20	0.0	111.0	0.0	7.57
8/12/2025	0	343	0.0	24	0.0	116.0	0.0	7.36
8/13/2025	0	349	0.0	35	0.0			7.48
8/14/2025	0	360	0.0	40	0.0	126.0	0.0	7.49
8/15/2025	0					127.0	0.0	
8/16/2025	0							
8/17/2025	0							
8/18/2025	0	216	0.0	30	0.0	135.0	0.0	7.58
8/19/2025	0	227	0.0	36	0.0	154.0	0.0	7.39
8/20/2025	0	226	0.0	56	0.0	109.0	0.0	7.44
8/21/2025	0	223	0.0	22	0.0	120.0	0.0	7.48
8/22/2025	0							
8/23/2025	0							
8/24/2025	0							
8/25/2025	0	229	0.0	21	0.0	119.0	0.0	7.48
8/26/2025	0							
8/27/2025	0	223	0.0	58	0.0	108.0	0.0	7.62
8/28/2025	0	199	0.0	48	0.0	114.0	0.0	7.75
Minimum	0	199	0.0	11	0.0	106.0	0.0	7.17
Maximum	0	438	0.0	58	0.0	154.0	0.0	7.75
Total	0	3,779	0.0	599	0.0	2,099.0	0.0	127.01
Average	0	291	0.0	35	0.0	123.5	0.0	7.47

Northern Plains

September 2025

Date	4.0 SIU/IPP Industries\Northern Plains							
	Landfill Flow	Landfill BOD AVG	BOD Load #/day	Landfill TSS AVG	TSS Load #/day	Landfill NH-3 AVG	Northern Plains NH3 Load #/day	Landfill pH AVG
	GPD	(mg/l)	Lbs/day	(mg/l)	Lbs/day	(mg/l)	Lbs/day	SU
9/1/2025	0							
9/2/2025	0	177	0.0	44	0.0	141.0	0.0	7.67
9/3/2025	0	167	0.0	30	0.0	122.0	0.0	7.73
9/4/2025	0			49	0.0	112.0	0.0	7.28
9/5/2025	0	148	0.0	51	0.0	121.0	0.0	7.73
9/6/2025	0							
9/7/2025	0							
9/8/2025	0							
9/9/2025	0							
9/10/2025	0	144	0.0	59	0.0	151.0	0.0	8.16
9/11/2025	0	127	0.0	47	0.0	137.0	0.0	8.17
9/12/2025	0	134	0.0	36	0.0	148.0	0.0	8.02
9/13/2025	0							
9/14/2025	0							
9/15/2025	0	123	0.0	38	0.0	144.0	0.0	8.14
9/16/2025	0	139	0.0	43	0.0	137.0	0.0	8.10
9/17/2025	0			37	0.0	129.0	0.0	8.24
9/18/2025	0			28	0.0	126.0	0.0	8.14
9/19/2025	0			35	0.0	136.0	0.0	8.18
9/20/2025	0							
9/21/2025	0							
9/22/2025	0	123	0.0	48	0.0	197.0	0.0	7.74
9/23/2025	0	120	0.0	37	0.0	151.0	0.0	7.81
9/24/2025	0	107	0.0	34	0.0	131.0	0.0	7.91
9/25/2025	0							
9/26/2025	0							
9/27/2025	0							
9/28/2025	0							
Minimum	0	107	0.0	28	0.0	112.0	0.0	7.28
Maximum	0	177	0.0	59	0.0	197.0	0.0	8.24
Total	0	1,509	0.0	616	0.0	2,083.0	0.0	119.02
Average	0	137	0.0	41	0.0	138.9	0.0	7.93

Northern Plains

October 2025

	4.0 SIU/IPP Industries\Northern Plains							
	Landfill Flow	Landfill BOD AVG	BOD Load #/day	Landfill TSS AVG	TSS Load #/day	Landfill NH-3 AVG	Northern Plains NH3 Load #/day	Landfill pH AVG
Date	GPD	(mg/l)	Lbs/day	(mg/l)	Lbs/day	(mg/l)	Lbs/day	SU
10/1/2025	0			20	0.0	168.0	0.0	7.92
10/2/2025	0			31	0.0	165.0	0.0	7.96
10/3/2025	0							
10/4/2025	0							
10/5/2025	0							
10/6/2025	0							
10/7/2025	0	114	0.0	19	0.0	170.0	0.0	7.81
10/8/2025	0							
10/9/2025	0	97	0.0	41	0.0	160.0	0.0	7.98
10/10/2025	0							
10/11/2025	0							
10/12/2025	0							
10/13/2025	0	108	0.0	31	0.0	147.0	0.0	7.94
10/14/2025	0	126	0.0	26	0.0			7.98
10/15/2025	0			26	0.0	151.0	0.0	7.96
10/16/2025	0			25	0.0	156.0	0.0	7.97
10/17/2025	0							
10/18/2025	0							
10/19/2025	0							
10/20/2025	0	109	0.0	32	0.0	133.0	0.0	8.02
10/21/2025	0							
10/22/2025	0							
10/23/2025	0	101	0.0	37	0.0	195.0	0.0	8.08
10/24/2025	0							
10/25/2025	0							
10/26/2025	0							
10/27/2025	0	95	0.0	21	0.0	191.0	0.0	7.96
10/28/2025	0	130	0.0	24	0.0	226.0	0.0	8.01
Minimum	0	95	0.0	19	0.0	133.0	0.0	7.81
Maximum	0	130	0.0	41	0.0	226.0	0.0	8.08
Total	0	880	0.0	333	0.0	1,862.0	0.0	95.59
Average	0	110	0.0	28	0.0	169.3	0.0	7.97

Northern Plains

November 2025

Date	4.0 SIU/IPP Industries\Northern Plains							
	Landfill Flow	Landfill BOD AVG	BOD Load #/day	Landfill TSS AVG	TSS Load #/day	Landfill NH-3 AVG	Northern Plains NH3 Load #/day	Landfill pH AVG
	GPD	(mg/l)	Lbs/day	(mg/l)	Lbs/day	(mg/l)	Lbs/day	SU
11/1/2025	0							
11/2/2025	0							
11/3/2025	41,791	79	27.5	51	17.8	204.0	71.1	8.00
11/4/2025	0							
11/5/2025	7,695	68	4.4	45	2.9	163.0	10.5	7.97
11/6/2025	0							
11/7/2025	15,885	83	11.0	37	4.9	213.0	28.2	7.86
11/8/2025	0							
11/9/2025	0							
11/10/2025	7,763	76	4.9	41	2.7	208.0	13.5	7.89
11/11/2025	0							
11/12/2025	23,554	78	15.3	36	7.1	157.0	30.8	7.36
11/13/2025	23,674	69	13.6	35	6.9	176.0	34.7	7.78
11/14/2025	15,988	65	8.7	30	4.0	144.0	19.2	7.75
11/15/2025	0							
11/16/2025	0							
11/17/2025	7,784	78	5.1	26	1.7	195.0	12.7	7.28
11/18/2025	15,791	81	10.7	25	3.3	199.0	26.2	7.29
11/19/2025	3,152			34	0.9	186.0	4.9	7.75
11/20/2025	31,614			24	6.3	203.0	53.5	7.77
11/21/2025	23,851			22	4.4	144.0	28.6	7.55
11/22/2025	0							
11/23/2025	0							
11/24/2025	0							
11/25/2025	0							
11/26/2025	0							
11/27/2025	0							
11/28/2025	0							
Minimum	0	65	4.4	22	0.9	144.0	4.9	7.28
Maximum	41,791	83	27.5	51	17.8	213.0	71.1	8.00
Total	218,542	677	101.2	406	62.8	2,192.0	334.0	92.25
Average	7,805	75	11.2	34	5.2	182.7	27.8	7.69

Northern Plains

December 2025

Date	4.0 SIU/IPP Industries\Northern Plains							
	Landfill Flow	Landfill BOD AVG	BOD Load #/day	Landfill TSS AVG	TSS Load #/day	Landfill NH-3 AVG	Northern Plains NH3 Load #/day	Landfill pH AVG
	GPD	(mg/l)	Lbs/day	(mg/l)	Lbs/day	(mg/l)	Lbs/day	SU
12/1/2025	0							
12/2/2025	0							
12/3/2025	0							
12/4/2025	0							
12/5/2025	0							
12/6/2025	0							
12/7/2025	0							
12/8/2025	0							
12/9/2025	0							
12/10/2025	0							
12/11/2025	0							
12/12/2025	15,923			33	4.4	182.0	24.2	7.77
12/13/2025	0							
12/14/2025	0							
12/15/2025	23,396	81	15.8	38	7.4	215.0	42.0	7.67
12/16/2025	7,909	65	4.3	21	1.4	215.0	14.2	7.70
12/17/2025	0							
12/18/2025	15,656	80	10.4	25	3.3	183.0	23.9	7.67
12/19/2025	0							
12/20/2025	0							
12/21/2025	0							
12/22/2025	23,772	82	16.3	29	5.7	260.0	51.5	7.69
12/23/2025	7,962	79	5.2	20	1.3	183.0	12.2	7.62
12/24/2025	15,959	78	10.4	21	2.8	149.0	19.8	7.58
12/25/2025	0							
12/26/2025	23,940	78	15.6	32	6.4	124.0	24.8	7.62
12/27/2025	0							
12/28/2025	0							
12/29/2025	0							
12/30/2025	0							
12/31/2025	0							
Minimum	0	65	4.3	20	1.3	124.0	12.2	7.58
Maximum	23,940	82	16.3	38	7.4	260.0	51.5	7.77
Total	134,517	543	78.0	219	32.7	1,511.0	212.5	61.32
Average	4,339	78	11.1	27	4.1	188.9	26.6	7.67

Appendix H.3 –
Treatment Agreement with Spencer POTW



CITY OF SPENCER, IOWA

City Hall

418 2nd Avenue West
SPENCER, IOWA 51301-3801

Telephone: (712) 580-7200
FAX: (712) 580-7236

April 26, 2006

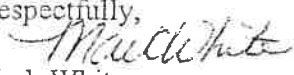
Amie Hart, P.E.
Environmental Engineer
Energy & Waste Management Bureau

RE: Northern Plains Regional Sanitary Landfill
Permit No. 74-SDP-02-76P
POTW Agreement

Dear Amie,

Please find the completed Operation Permit Application Treatment Agreement for the leachate from the Northern Plains Regional Sanitary Landfill to be treated at City of Spencer Wastewater Treatment Plant. Both facilities are owned by the City of Spencer.

Respectfully,


Mark White
Interim Director of Public Works
City of Spencer

cc: James E. Thiesse P.E.
Kruse Cate and Nelson Engineering
1801 Highway Blvd.
Spencer, Iowa 51301



CITY OF SPENCER, IOWA

City Hall

418 2nd Avenue West
SPENCER, IOWA 51301-3801

Telephone: (712) 580-7200

FAX: (712) 580-7236

FAX COVER SHEET

DATE: 7/26/06

TO: NAME Camie Hart
ORGANIZATION DNR
FAX # 515 281 8895

FROM: NAME Mark White City of Spencer
SPENCER CITY HALL

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET 7

COMMENTS: _____

City of Spencer Administration FAX NUMBER is 712-580-7236

IOWA DEPARTMENT OF NATURAL RESOURCES
OPERATION PERMIT APPLICATION
TREATMENT AGREEMENT

NOTICE

A properly executed Treatment Agreement must be submitted by the contributor not less than one hundred eighty (180) days before the new major contributing industry 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.

DNR USE

IOWA FACILITY NO.

IND. CONT. AGREEMENT NO.

REPLACES AGREEMENT NO.

MAJOR INDUSTRIAL CONTRIBUTOR

SYSTEM RECEIVING WASTE

NAME

Northern Plains Regional Landfill

NAME

City of Spencer

MAILING ADDRESS

418 2nd Avenue West

MAILING ADDRESS

418 2nd Avenue West

AUTHORIZED REPRESENTATIVE

Mark White

PHONE NO.

712-580-
7200

AUTHORIZED REPRESENTATIVE

Jim Virelli

PHONE NO.

712-262-
5584

CERTIFICATION OF CONTRIBUTING INDUSTRY

I am the duly authorized representative for the major industrial contributor 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

April 25, 2006

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 not later than sixty days in advance of the increase or change.

TYPED OR PRINTED NAME

Mark White

TITLE

Interim
Director of Public Works

SIGNATURE

Mark White

DATE

April 25, 2006

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 States 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

White

TITLE

Interim
Director of Public Works

SIGNATURE

Mark White

DATE

April 25, 2006

1. PROCESS DESCRIPTION

SPECIFIC MANUFACTURING PROCESS

SIC CODE

Solid Waste Landfill

CONSUMPTION

PRINCIPAL RAW MATERIAL

AMOUNT CONSUMED
PER DAY

PRODUCTION

PRINCIPAL PRODUCTS

AMOUNT PRODUCED
PER DAY

Landfill Leachate
Transported To
Wastewater Treatment Plant

N/A

Solid Waste

N/A

2. HOURLY MAXIMUM
FLOW CONTRIBUTION

3. DAYS OF
OPERATION
PER WEEK

4. HOURS OF OPERATION DURING
PEAK DAY OF OPERATION

5. RANGE OF pH LEVEL IN CONTRIBUTION

N/A

5

MINIMUM

MAXIMUM

6.0

9.0

6. DESCRIPTION OF PRETREATMENT PROVIDED

N/A

7. DESCRIPTION OF ANY BATCH OR PERIODIC DISCHARGES

Leachate Will Be Transported By 6,000 Gallon Tanker To A Designated
Station At The Wastewater Treatment Plant.

8. COMPATIBLE WASTE IN CONTRIBUTION

WASTEWATER PARAMETER	AVERAGE	MAXIMUM	WASTEWATER PARAMETER	AVERAGE	MAXIMUM
Flow (MGD)	.018	.03	Ammonia Nitrogen (lbs/day)	14.4	24.0
BOD ₅ (lbs/day)	16.8	28.0	Oil and Grease (mg/l)		
Total Suspended Solids (lbs/day)	38.0	63.3			
Total Kjeldahl Nitrogen (lbs/day)					

9. INCOMPATIBLE WASTE IN CONTRIBUTION

WASTEWATER PARAMETER

AVERAGE

MAXIMUM

mg/l

lbs/day

mg/l

lbs/day

INSTRUCTIONS FOR COMPLETION OF PAGE 2

ITEM 1

A) Enter the industry's Standard Industrial Classification Code Number (SIC Code). The 1982 edition of the "Standard Industrial Classification Manual" or the current "Directory of Iowa Manufacturers" contains SIC code numbers and their descriptions.

B) Specify the principal product(s) or the principal raw material(s) and the maximum quantity produced or consumed in any day. Quantities are to be reported in units of measurement found in "Table III (Units of Measurement by SIC Code)". Other industrial SIC categories not included in Table III should be listed in units of measurement normally used by the industry. Table III is available from the Department on request.

ITEM 2

Day Maximum is the maximum discharge during any single hour in the peak period of operation.

ITEM 6

Describe all pretreatment of waste prior to discharge to municipal collection system.

ITEM 7

Describe any occasional or intermittent discharge and include the frequency of discharges and the amount. Such discharges could upset a treatment plant because of the shock effect of a sudden change in influent loading.

ITEM 8

Compatible Waste in Contribution means any waste parameter discharged that the receiving treatment works was designed to treat and does remove to a significant degree. Average is to represent the maximum 30-day average likely to occur in any year. Days when no discharge occurs should not be included in the average. Maximum is the maximum single-day contribution during a peak period of operation.

ITEM 9

Incompatible Waste in Contribution means any waste not qualifying within the definition of Item 8. List all such waste parameters that are contributed in concentrations greater than that present in the raw water supply.

*NOTE: A "Major Contributing Industry" means an industrial user of a treatment works that:

- a. Has a flow of 50,000 gallons or more per average work day;
- b. Has a flow greater than five percent of the treatment works receiving the waste;
- c. Has in its waste a toxic pollutant in toxic amounts as defined in standards issued under Section 307a of the Clean Water Act and adopted by reference in 567--62.5 of the Iowa Administrative Code; or
- d. Is found by the Department of Natural Resources to have a significant impact, either singly or in combination with other contributing industries, on that treatment works or on the quality of effluent from that treatment works.

STANDARD UNITS OF MEASUREMENT BY SIC CODE

SIC CODE	CODE	UNITS OF MEASUREMENT	INDUSTRY
201; 2077	A-1	Pounds live weight killed (meatpacking in slaughterhouse or packinghouse; poultry processing)	Meat products
	A-2	Pound product (slaughtering & rendering; processing)	
	A-3	Pound raw material (rendering in offsite plant)	
202; 5145	B-1	1,000 lb. milk equivalent	Dairy products
2033; 2034; 2037; 2038	C-1	Ton raw material	Canned and preserved fruits and vegetables
204	D-1	1,000 bu. processed	Grain mill products
2061	E-1	Ton sugar cane processed	Raw cane sugar
2062	E-2	Ton raw sugar processed	Cane sugar refining
2063	E-3	Ton beets sliced	Beet sugar
2077		See SIC 201	
2084	F-1	Ton grapes pressed	Wine, brandy, and brandy spirits
	F-2	1,000 gallon wine (table wine for process season only)	
2085	F-3	1,000 bu. grain processed	Distilled liquor, except brandy
2086	F-4	1,000 standard cases	Bottled and canned soft drinks
2091; 2092	G-1	Ton raw material	Seafoods
22	H-1	1,000 lb. raw material	Textile mill products
	H-2	or 1,000 lb. product	
2421	I-1	1,000 fbm	Sawmills and planing mills
2435; 2436	I-2	1,000 ft ² on three-eighths inch basis	Veneer and plywood
2491	I-3	1,000 ft ² treated	Wood preserving
2492	I-4	1,000 ft ² on three-fourths inch basis	Particle board
26	J-1	Ton product	Paper and allied products
2812; 2816; 2819	K-1	Ton product	Inorganic chemicals
2821; 2823; 2824; 2891; 2899	L-1	1,000 lb. product	Plastic material and synthetics industry
2822	M-1	1,000 lb. rubber produced	Synthetic rubber (vulcanizable elastomers)
283	N-1	1,000 lb. raw material	Drugs and pharmaceuticals
2481	O-1	1,000 lb. product	Soap and detergent
	O-2	or 1,000 gallon product	
2865; 2869	P-1	1,000 lb. product	Organic chemicals
2873; 2874; 2875	Q-1	1,000 ton product	Fertilizer industry
2879	R-1	1,000 lb. product	Agricultural chemicals and pesticides
2891		See SIC 2821	
2911	S-1	1,000 bbl. crude or partially refined feed stock (stream day)	Petroleum refining
3011; 3021; 3031; 3041; 3069	T-1	1,000 lb. raw material	Rubber products
3111	U-1	1,000 lb. green salted hides or pickled skins	Leather tanning and finishing
3211; 3231	V-1	1,000 ton product	Flat glass and glass products made; purchased glass
	V-2	or 1,000 ft ² mirrored surface (for mirrored glass only)	Hydraulic cement
3241	V-3	1,000 bbl. product	Concrete, gypsum and plastic products
327	V-4	1,000 ton product	Asbestos products
3292	V-5	1,000 ton asbestos used	Coke making
331	W-1	Ton dry coal	Blast furnaces
	W-2	Ton hot metal	Steelworks
	W-3	Ton liquid steel	Hot forming
	W-4	Ton hot formed steel	Rolling and finishing mills
	W-5	Ton processed steel	Iron and steel foundries
332	W-6	Ton metal cast	Primary smelting and refining of nonferrous metals
333	X-1	1,000 lb. metal product	Secondary smelting and refining of nonferrous metals
334	X-2	1,000 lb. metal product	Rolling, drawing, and extruding of nonferrous metals
335	X-3	1,000 lb. metal processed	Nonferrous foundries
336	X-4	1,000 lb. metal cast	Automobile manufacturing
3465; 3711; 3714	Y-1	Unit production	
	Y-2	or square feet	
4911; 4931	Z-1	1,000 MWh generated	Electric power services
491	Z-1	1 million lb. steam produced	Steam supply

Appendix H.4 -
Recirculation Volume Summary
Daily Leachate Recirculation Logs

**Leachate Recirculation
Northern Plains Sanitary Landfill
2025**

JUNE				JULY			
Date	Trench Gallons	Date	Spray Gallons	Date	Trench Gallons	Date	Spray Gallons
		6/13/2025	6,720			7/2/2025	4,740
			6,720				4,740
			6,720				4,740

Northern Plains Regional Landfill ~ Daily Leachate Recirculation Log

	<u>Sunday</u>	<u>Monday</u>	<u>Tuesday</u>	<u>Wednesday</u>	<u>Thursday</u>	<u>Friday</u>	<u>Saturday</u>
<u>Date</u>	06/08/2025	06/09/2025	06/10/2025	06/11/2025	06/12/2025	06/13/2025	06/14/2025
<u>Liquid Levels</u>							
LPZ-23	>33.64						
LPZ-25	>43.21						
LPZ-27	>39.75						
<u>Rainbird Hrs.</u>							
Start						2746.62	
End						2751.10	
Total						4.48	
<u>Rainbird Gal.</u>	<u>26 GPM</u>						
To Cell A							
To Cell B							
To Cell C						6720.00	
<u>Trench Hrs.</u>							
Start							
End							
Total							
<u>Trench Gal.</u>	<u>41 GPM</u>						
To Cell A							
To Cell B							
To Cell C							
<u>Lagoon Data</u>							
	<u>60 GPM</u>						
Lift Station #3 - Hrs.		11.50	4.40	4.30	2.20	2.20	
Lift Station #3 - Gal.		41400.00	15840.00	15480.00	7920.00	7920.00	
		11.70	11.50	11.23	11.33	11.25	
Lagoon Level		measured in suction line	measured in suction line	measured in suction line	measured in suction line	measured in suction line	
Leachate to POTW - Gal.		7640.29	7582.73	15875.30	0.00	15685.85	
<u>Weather</u>							
Rainfall (in.)							

DCU

Northern Plains Regional Landfill ~ Daily Leachate Recirculation Log

	<u>Sunday</u>	<u>Monday</u>	<u>Tuesday</u>	<u>Wednesday</u>	<u>Thursday</u>	<u>Friday</u>	<u>Saturday</u>
<u>Date</u>	06/29/2025	06/30/2025	07/01/2025	07/02/2025	07/03/2025	07/04/2025	07/05/2025
<u>Liquid Levels</u>							
LPZ-23	>33.64						
LPZ-25	>43.21						
LPZ-27	>39.75						
<u>Rainbird Hrs.</u>							
Start				2752.04			
End				2755.20			
Total				3.16			
<u>Rainbird Gal.</u>	26 GPM						
To Cell A							
To Cell B							
To Cell C				4740.00			
<u>Trench Hrs.</u>							
Start							
End							
Total							
<u>Trench Gal.</u>	41 GPM						
To Cell A							
To Cell B							
To Cell C							
<u>Lagoon Data</u>							
	60 GPM						
Lift Station #3 - Hrs.		0.20	1.90	2.10	6.80	Holiday	
Lift Station #3 - Gal.		720.00	6840.00	7560.00	23760.00	Holiday	
Lagoon Level		10.25 measured in suction line	10.35 measured in suction line	9.95 measured in suction line	10.13 measured in suction line	0.00 measured in suction line	
Leachate to POTW - Gal.		0.00	7829.74	7856.12	22685.84	Holiday	
<u>Weather</u>							
Rainfall (in.)							

De

Appendix H.5 -
Leachate Measurement and Head Calculations

**Northern Plains Regional Sanitary Landfill
Leachate**

1/30/2025

Column A	Column B	Column C	Column D	Column E	Column F	Column G	Column H	Column I	Column J	Column K
Leachate PZ Well No.		Date Installed	Top of Casing Elevation	Current Condition	Depth to Water from Top (ft)	Measured Depth of PZ from Top (ft)	Standing Liquid in PZ (ft)	Reference Point (ft)	Head Above Liner (ft)	Elevation Leachate MSL (ft)
1	Original Landfill	Sept. 1994	1292.52	Okay	36.74	39.70	2.96	N/A	N/A	1255.78
2	Original Landfill	Sept. 1994	1288.7	Okay	35.60	50.48	14.88	N/A	N/A	1253.10
3	Original Landfill	Sept. 1994	1290.76	Okay	26.68	30.90	4.22	N/A	N/A	1264.08
4	Original Landfill	Sept. 1994	1290.16	Okay	36.90	36.80	-0.10	N/A	N/A	1253.26
5	Original Landfill	Sept. 1994	1285.14	Destroyed	---	---	---	N/A	N/A	---
6	Original Landfill	Sept. 1994	1283	Okay	27.30	26.95	-0.35	N/A	N/A	1255.70
7	Original Landfill	Sept. 1994	1285.41	Okay	27.80	29.91	2.11	N/A	N/A	1257.61
8	Original Landfill	Sept. 1994	1281.65	Okay	26.71	29.70	2.99	N/A	N/A	1254.94
9	Original Landfill	Sept. 1994	1280.13	Okay	30.00	29.63	-0.37	N/A	N/A	1250.13
10	Original Landfill	Sept. 1994	1290.61	Okay	11.53	27.04	15.51	N/A	N/A	1279.08
11	Original Landfill	Sept. 1994	1290.86	Okay	33.58	37.19	3.61	N/A	N/A	1257.28
12	Original Landfill	Sept. 1994	1289.28	Okay	14.72	19.23	4.51	N/A	N/A	1274.56
22	Cell 21A	Mar. 2006	N/A	Okay	24.00	30.72	6.72	N/A	N/A	N/A
23	Cell A	N/A	N/A	Okay	27.00	34.40	7.40	-1.50	5.90	N/A
24	Cell A	N/A	N/A	Okay	34.10	34.00	-0.10	0.083	-0.017	N/A
25	Cell B	N/A	N/A	Okay	39.00	45.71	6.71	-1.50	5.21	N/A
26	Cell B	N/A	N/A	Okay	38.20	38.00	-0.20	0.083	-0.117	N/A
27	Cell C	Aug. 22, 2014	N/A	Okay	40.41	41.80	1.39	-1.50	-0.110	N/A
28	Cell C	Mar-14	N/A	Okay	40.20	41.20	1.00	0.083	1.083	N/A
29	Cell D1	Jun-17	N/A	Okay	45.60	50.00	4.40	-1.50	2.900	N/A
30	Cell D1	Jun-17	N/A	Okay	45.50	45.60	0.10	0.083	0.183	N/A
31	Cell D2	Jun-17	N/A	Okay	30.15	29.8	-0.35	-1.50	-1.850	N/A
32	Cell D2	Jun-17	N/A	Okay	29.30	29.1	-0.20	0.083	-0.117	N/A

Northern Plains Regional Sanitary Landfill
Leachate

2/27/2025

Column A	Column B	Column C	Column D	Column E	Column F	Column G	Column H	Column I	Column J	Column K
Leachate PZ Well No.		Date Installed	Top of Casing Elevation	Current Condition	Depth to Water from Top (ft)	Measured Depth of PZ from Top (ft)	Standing Liquid in PZ (ft)	Reference Point (ft)	Head Above Liner (ft)	Elevation Leachate MSL (ft)
1	Original Landfill	Sept. 1994	1292.52	Okay	37.70	39.70	2.00	N/A	N/A	1254.82
2	Original Landfill	Sept. 1994	1288.7	Okay	35.60	50.48	14.88	N/A	N/A	1253.10
3	Original Landfill	Sept. 1994	1290.76	Okay	27.75	30.90	3.15	N/A	N/A	1263.01
4	Original Landfill	Sept. 1994	1290.16	Okay	37.34	36.80	-0.54	N/A	N/A	1252.82
5	Original Landfill	Sept. 1994	1285.14	Destroyed	---	---	---	N/A	N/A	---
6	Original Landfill	Sept. 1994	1283	Okay	27.34	26.95	-0.39	N/A	N/A	1255.66
7	Original Landfill	Sept. 1994	1285.41	Okay	27.85	29.91	2.06	N/A	N/A	1257.56
8	Original Landfill	Sept. 1994	1281.65	Okay	28.78	29.70	0.92	N/A	N/A	1252.87
9	Original Landfill	Sept. 1994	1280.13	Okay	29.98	29.63	-0.35	N/A	N/A	1250.15
10	Original Landfill	Sept. 1994	1290.61	Okay	13.23	27.04	13.81	N/A	N/A	1277.38
11	Original Landfill	Sept. 1994	1290.86	Okay	37.00	37.19	0.19	N/A	N/A	1253.86
12	Original Landfill	Sept. 1994	1289.28	Okay	18.61	19.23	0.62	N/A	N/A	1270.67
22	Cell 21A	Mar. 2006	N/A	Okay	24.00	30.72	6.72	N/A	N/A	N/A
23	Cell A	N/A	N/A	Okay	44.30	44.30	0.00	-1.50	-1.50	N/A
24	Cell A	N/A	N/A	Okay	44.00	44.00	0.00	0.083	0.083	N/A
25	Cell B	N/A	N/A	Okay	38.49	45.71	7.22	-1.50	5.72	N/A
26	Cell B	N/A	N/A	Okay	48.10	48.10	0.00	0.083	0.083	N/A
27	Cell C	Aug. 22, 2014	N/A	Okay	41.75	41.80	0.05	-1.50	-1.450	N/A
28	Cell C	Mar-14	N/A	Okay	40.87	41.20	0.33	0.083	0.413	N/A
29	Cell D	Jun-17	N/A	Okay - Extended	50.30	50.00	-0.30	-1.50	-1.800	N/A
30	Cell D1	Jun-17	N/A	Okay	45.50	45.60	0.10	0.083	0.183	N/A
31	Cell D2	Jun-17	N/A	Okay	30.15	29.8	-0.35	-1.50	-1.850	N/A
32	Cell D2	Jun-17	N/A	Okay	29.30	29.1	-0.20	0.083	-0.117	N/A

**Northern Plains Regional Sanitary Landfill
Leachate**

3/28/2025

Column A	Column B	Column C	Column D	Column E	Column F	Column G	Column H	Column I	Column J	Column K
Leachate PZ Well No.		Date Installed	Top of Casing Elevation	Current Condition	Depth to Water from Top (ft)	Measured Depth of PZ from Top (ft)	Standing Liquid in PZ (ft)	Reference Point (ft)	Head Above Liner (ft)	Elevation Leachate MSL (ft)
1	Original Landfill	Sept. 1994	1292.52	Okay	31.47	39.70	8.23	N/A	N/A	1261.05
2	Original Landfill	Sept. 1994	1288.7	Okay	35.60	50.48	14.88	N/A	N/A	1253.10
3	Original Landfill	Sept. 1994	1290.76	Okay	26.68	30.90	4.22	N/A	N/A	1264.08
4	Original Landfill	Sept. 1994	1290.16	Okay	35.28	36.80	1.52	N/A	N/A	1254.88
5	Original Landfill	Sept. 1994	1285.14	Destroyed	---	---	---	N/A	N/A	---
6	Original Landfill	Sept. 1994	1283	Okay	27.21	26.95	-0.26	N/A	N/A	1255.79
7	Original Landfill	Sept. 1994	1285.41	Okay	27.91	29.91	2.00	N/A	N/A	1257.50
8	Original Landfill	Sept. 1994	1281.65	Okay	29.00	29.70	0.70	N/A	N/A	1252.65
9	Original Landfill	Sept. 1994	1280.13	Okay	30.07	29.63	-0.44	N/A	N/A	1250.06
10	Original Landfill	Sept. 1994	1290.61	Okay	12.85	27.04	14.19	N/A	N/A	1277.76
11	Original Landfill	Sept. 1994	1290.86	Okay	25.45	37.19	11.74	N/A	N/A	1265.41
12	Original Landfill	Sept. 1994	1289.28	Okay	18.61	19.23	0.62	N/A	N/A	1270.67
22	Cell 21A	Mar. 2006	N/A	Okay	24.00	30.72	6.72	N/A	N/A	N/A
23	Cell A	N/A	N/A	Okay	40.55	44.30	3.75	-1.50	2.25	N/A
24	Cell A	N/A	N/A	Okay	42.20	44.00	1.80	0.083	1.883	N/A
25	Cell B	N/A	N/A	Okay	31.55	45.71	14.16	-1.50	12.66	N/A
26	Cell B	N/A	N/A	Okay	38.20	48.10	9.90	0.083	9.983	N/A
27	Cell C	Aug. 22, 2014	N/A	Okay	35.20	41.80	6.60	0.083	6.683	N/A
28	Cell C	Mar-14	N/A	Okay	40.20	41.20	1.00	0.083	1.083	N/A
29	Cell D	Jun-17	N/A	Okay	50.30	50.00	-0.30	-1.50	-1.800	N/A
30	Cell D1	Jun-17	N/A	Okay	45.50	45.60	0.10	0.083	0.183	N/A
31	Cell D2	Jun-17	N/A	Okay	30.15	29.8	-0.35	-1.50	-1.850	N/A
32	Cell D2	Jun-17	N/A	Okay	29.30	29.1	-0.20	0.083	-0.117	N/A

Northern Plains Regional Sanitary Landfill
Leachate

4/7/2025

Column A	Column B	Column C	Column D	Column E	Column F	Column G	Column H	Column I	Column J	Column K
Leachate PZ Well No.		Date Installed	Top of Casing Elevation	Current Condition	Depth to Water from Top (ft)	Measured Depth of PZ from Top (ft)	Standing Liquid in PZ (ft)	Reference Point (ft)	Head Above Liner (ft)	Elevation Leachate MSL (ft)
1	Original Landfill	Sept. 1994	1292.52	Okay	31.44	39.70	8.26	N/A	N/A	1261.08
2	Original Landfill	Sept. 1994	1288.7	Okay	35.60	50.48	14.88	N/A	N/A	1253.10
3	Original Landfill	Sept. 1994	1290.76	Okay	26.08	30.90	4.82	N/A	N/A	1264.68
4	Original Landfill	Sept. 1994	1290.16	Okay	34.56	36.80	2.24	N/A	N/A	1255.60
5	Original Landfill	Sept. 1994	1285.14	Destroyed	---	---	---	N/A	N/A	---
6	Original Landfill	Sept. 1994	1283	Okay	26.90	26.95	0.05	N/A	N/A	1256.10
7	Original Landfill	Sept. 1994	1285.41	Okay	26.89	29.91	3.02	N/A	N/A	1258.52
8	Original Landfill	Sept. 1994	1281.65	Okay	24.51	29.70	5.19	N/A	N/A	1257.14
9	Original Landfill	Sept. 1994	1280.13	Okay	29.80	29.63	-0.17	N/A	N/A	1250.33
10	Original Landfill	Sept. 1994	1290.61	Okay	NM	NM	NM	N/A	N/A	NM
11	Original Landfill	Sept. 1994	1290.86	Okay	25.17	37.19	12.02	N/A	N/A	1265.69
12	Original Landfill	Sept. 1994	1289.28	Okay	18.04	19.23	1.19	N/A	N/A	1271.24
22	Cell 21A	Mar. 2006	N/A	Okay	23.10	30.72	7.62	N/A	N/A	N/A
23	Cell A	N/A	N/A	Okay	42.50	44.30	1.80	-1.50	0.30	N/A
24	Cell A	N/A	N/A	Okay	38.45	44.00	5.55	0.083	5.633	N/A
25	Cell B	N/A	N/A	Okay	29.50	45.71	16.21	-1.50	14.71	N/A
26	Cell B	N/A	N/A	Okay	46.50	48.10	1.60	0.083	1.683	N/A
27	Cell C	Aug. 22, 2014	N/A	Okay	33.50	41.80	8.30	-1.50	6.800	N/A
28	Cell C	Mar-14	N/A	Okay	40.35	41.20	0.85	0.083	0.933	N/A
29	Cell D1	Jun-17	N/A	Okay	49.30	50.00	0.70	-1.500	-0.800	N/A
30	Cell D1	Jun-17	N/A	Okay	45.45	45.60	0.15	0.083	0.233	N/A
31	Cell D2	Jun-17	N/A	Okay	29.65	29.8	0.15	-1.50	-1.350	N/A
32	Cell D2	Jun-17	N/A	Okay	29.00	29.1	0.10	0.083	0.183	N/A

Northern Plains Regional Sanitary Landfill
Leachate

5/29/2025

Column A	Column B	Column C	Column D	Column E	Column F	Column G	Column H	Column I	Column J	Column K
Leachate PZ Well No.		Date Installed	Top of Casing Elevation	Current Condition	Depth to Water from Top (ft)	Measured Depth of PZ from Top (ft)	Standing Liquid in PZ (ft)	Reference Point (ft)	Head Above Liner (ft)	Elevation Leachate MSL (ft)
1	Original Landfill	Sept. 1994	1292.52	Okay	36.25	39.70	3.45	N/A	N/A	1256.27
2	Original Landfill	Sept. 1994	1288.7	Okay	35.60	50.48	14.88	N/A	N/A	1253.10
3	Original Landfill	Sept. 1994	1290.76	Okay	26.68	30.90	4.22	N/A	N/A	1264.08
4	Original Landfill	Sept. 1994	1290.16	Okay	36.20	36.80	0.60	N/A	N/A	1253.96
5	Original Landfill	Sept. 1994	1285.14	Destroyed	---	---	---	N/A	N/A	---
6	Original Landfill	Sept. 1994	1283	Okay	26.97	26.95	-0.02	N/A	N/A	1256.03
7	Original Landfill	Sept. 1994	1285.41	Okay	26.59	29.91	3.32	N/A	N/A	1258.82
8	Original Landfill	Sept. 1994	1281.65	Okay	26.71	29.70	2.99	N/A	N/A	1254.94
9	Original Landfill	Sept. 1994	1280.13	Okay	29.81	29.63	-0.18	N/A	N/A	1250.32
10	Original Landfill	Sept. 1994	1290.61	Okay	11.53	27.04	15.51	N/A	N/A	1279.08
11	Original Landfill	Sept. 1994	1290.86	Okay	29.88	37.19	7.31	N/A	N/A	1260.98
12	Original Landfill	Sept. 1994	1289.28	Okay	18.04	19.23	1.19	N/A	N/A	1271.24
22	Cell 21A	Mar. 2006	N/A	Okay	24.00	30.72	6.72	N/A	N/A	N/A
23	Cell A	N/A	N/A	Okay	27.00	44.30	17.30	-1.50	15.80	N/A
24	Cell A	N/A	N/A	Okay	34.10	44.00	9.90	0.083	9.983	N/A
25	Cell B	N/A	N/A	Okay	36.15	45.71	9.56	-1.50	8.06	N/A
26	Cell B	N/A	N/A	Okay	38.20	48.10	9.90	0.083	9.983	N/A
27	Cell C	Aug. 22, 2014	N/A	Okay	34.00	41.80	7.80	-1.50	6.300	N/A
28	Cell C	Mar-14	N/A	Okay	40.20	41.20	1.00	0.083	1.083	N/A
29	Cell D1	Jun-17	N/A	Okay	50.30	50.00	-0.30	-1.500	-1.800	N/A
30	Cell D1	Jun-17	N/A	Okay	45.50	45.60	0.10	0.083	0.183	N/A
31	Cell D2	Jun-17	N/A	Okay	30.15	29.8	-0.35	-1.50	-1.850	N/A
32	Cell D2	Jun-17	N/A	Okay	29.30	29.1	-0.20	0.083	-0.117	N/A

**Northern Plains Regional Sanitary Landfill
Leachate**

6/20/2025

Column A	Column B	Column C	Column D	Column E	Column F	Column G	Column H	Column I	Column J	Column K
Leachate PZ Well No.		Date Installed	Top of Casing Elevation	Current Condition	Depth to Water from Top (ft)	Measured Depth of PZ from Top (ft)	Standing Liquid in PZ (ft)	Reference Point (ft)	Head Above Liner (ft)	Elevation Leachate MSL (ft)
1	Original Landfill	Sept. 1994	1292.52	Okay	31.47	39.70	8.23	N/A	N/A	1261.05
2	Original Landfill	Sept. 1994	1288.7	Okay	35.60	50.48	14.88	N/A	N/A	1253.10
3	Original Landfill	Sept. 1994	1290.76	Okay	26.68	30.90	4.22	N/A	N/A	1264.08
4	Original Landfill	Sept. 1994	1290.16	Okay	36.90	36.80	-0.10	N/A	N/A	1253.26
5	Original Landfill	Sept. 1994	1285.14	Destroyed	---	---	---	N/A	N/A	---
6	Original Landfill	Sept. 1994	1283	Okay	26.80	26.95	0.15	N/A	N/A	1256.20
7	Original Landfill	Sept. 1994	1285.41	Okay	25.20	29.91	4.71	N/A	N/A	1260.21
8	Original Landfill	Sept. 1994	1281.65	Okay	24.40	29.70	5.30	N/A	N/A	1257.25
9	Original Landfill	Sept. 1994	1280.13	Okay	25.70	29.63	3.93	N/A	N/A	1254.43
10	Original Landfill	Sept. 1994	1290.61	Okay	11.53	27.04	15.51	N/A	N/A	1279.08
11	Original Landfill	Sept. 1994	1290.86	Okay	34.80	37.19	2.39	N/A	N/A	1256.06
12	Original Landfill	Sept. 1994	1289.28	Okay	14.72	19.23	4.51	N/A	N/A	1274.56
22	Cell 21A	Mar. 2006	N/A	Okay	24.00	30.72	6.72	N/A	N/A	N/A
23	Cell A	N/A	N/A	Okay	43.00	44.30	1.30	-1.50	-0.20	N/A
24	Cell A	N/A	N/A	Okay	37.00	44.00	7.00	0.083	7.083	N/A
25	Cell B	N/A	N/A	Okay	40.10	55.71	15.61	-1.50	14.11	N/A
26	Cell B	N/A	N/A	Okay	38.20	58.10	19.90	0.083	19.983	N/A
27	Cell C	Aug. 22, 2014	N/A	Okay	41.75	41.80	0.05	-1.50	-1.450	N/A
28	Cell C	Mar-14	N/A	Okay	40.20	41.20	1.00	0.083	1.083	N/A
29	Cell D1	Jun-17	N/A	Okay	50.30	50.00	-0.30	-1.500	-1.800	N/A
30	Cell D1	Jun-17	N/A	Okay	45.50	45.60	0.10	0.083	0.183	N/A
31	Cell D2	Jun-17	N/A	Okay	30.15	29.8	-0.35	-1.50	-1.850	N/A
32	Cell D2	Jun-17	N/A	Okay	29.30	29.1	-0.20	0.083	-0.117	N/A

**Northern Plains Regional Sanitary Landfill
Leachate**

7/25/2025

Column A	Column B	Column C	Column D	Column E	Column F	Column G	Column H	Column I	Column J	Column K
Leachate PZ Well No.		Date Installed	Top of Casing Elevation	Current Condition	Depth to Water from Top (ft)	Measured Depth of PZ from Top (ft)	Standing Liquid in PZ (ft)	Reference Point (ft)	Head Above Liner (ft)	Elevation Leachate MSL (ft)
1	Original Landfill	Sept. 1994	1292.52	Okay	28.50	39.70	11.20	N/A	N/A	1264.02
2	Original Landfill	Sept. 1994	1288.7	Okay	35.60	50.48	14.88	N/A	N/A	1253.10
3	Original Landfill	Sept. 1994	1290.76	Okay	26.68	30.90	4.22	N/A	N/A	1264.08
4	Original Landfill	Sept. 1994	1290.16	Okay	28.50	36.80	8.30	N/A	N/A	1261.66
5	Original Landfill	Sept. 1994	1285.14	Destroyed	---	---	---	N/A	N/A	---
6	Original Landfill	Sept. 1994	1283	Okay	26.50	26.95	0.45	N/A	N/A	1256.50
7	Original Landfill	Sept. 1994	1285.41	Okay	26.59	29.91	3.32	N/A	N/A	1258.82
8	Original Landfill	Sept. 1994	1281.65	Okay	26.71	29.70	2.99	N/A	N/A	1254.94
9	Original Landfill	Sept. 1994	1280.13	Okay	27.20	29.63	2.43	N/A	N/A	1252.93
10	Original Landfill	Sept. 1994	1290.61	Okay	11.53	27.04	15.51	N/A	N/A	1279.08
11	Original Landfill	Sept. 1994	1290.86	Okay	35.30	37.19	1.89	N/A	N/A	1255.56
12	Original Landfill	Sept. 1994	1289.28	Okay	16.10	19.23	3.13	N/A	N/A	1273.18
22	Cell 21A	Mar. 2006	N/A	Okay	24.00	30.72	6.72	N/A	N/A	N/A
23	Cell A	N/A	N/A	Okay	37.30	44.30	7.00	-1.50	5.50	N/A
24	Cell A	N/A	N/A	Okay	34.10	44.00	9.90	0.083	9.983	N/A
25	Cell B	N/A	N/A	Okay	36.15	55.71	19.56	-1.50	18.06	N/A
26	Cell B	N/A	N/A	Okay	38.20	58.10	19.90	0.083	19.983	N/A
27	Cell C	Aug. 22, 2014	N/A	Okay	41.75	41.80	0.05	-1.50	-1.450	N/A
28	Cell C	Mar-14	N/A	Okay	40.20	41.20	1.00	0.083	1.083	N/A
29	Cell D1	Jun-17	N/A	Okay	50.30	50.00	-0.30	-1.500	-1.800	N/A
30	Cell D1	Jun-17	N/A	Okay	45.50	45.60	0.10	0.083	0.183	N/A
31	Cell D2	Jun-17	N/A	Okay	30.15	29.8	-0.35	-1.50	-1.850	N/A
32	Cell D2	Jun-17	N/A	Okay	29.30	29.1	-0.20	0.083	-0.117	N/A

**Northern Plains Regional Sanitary Landfill
Leachate**

8/29/2025

Column A	Column B	Column C	Column D	Column E	Column F	Column G	Column H	Column I	Column J	Column K
Leachate PZ Well No.		Date Installed	Top of Casing Elevation	Current Condition	Depth to Water from Top (ft)	Measured Depth of PZ from Top (ft)	Standing Liquid in PZ (ft)	Reference Point (ft)	Head Above Liner (ft)	Elevation Leachate MSL (ft)
1	Original Landfill	Sept. 1994	1292.52	Okay	32.79	39.70	6.91	N/A	N/A	1259.73
2	Original Landfill	Sept. 1994	1288.7	Okay	35.60	50.48	14.88	N/A	N/A	1253.10
3	Original Landfill	Sept. 1994	1290.76	Okay	26.68	30.90	4.22	N/A	N/A	1264.08
4	Original Landfill	Sept. 1994	1290.16	Okay	36.60	36.80	0.20	N/A	N/A	1253.56
5	Original Landfill	Sept. 1994	1285.14	Destroyed	---	---	---	N/A	N/A	---
6	Original Landfill	Sept. 1994	1283	Okay	26.90	26.95	0.05	N/A	N/A	1256.10
7	Original Landfill	Sept. 1994	1285.41	Okay	26.59	29.91	3.32	N/A	N/A	1258.82
8	Original Landfill	Sept. 1994	1281.65	Okay	28.20	29.70	1.50	N/A	N/A	1253.45
9	Original Landfill	Sept. 1994	1280.13	Okay	29.75	29.63	-0.12	N/A	N/A	1250.38
10	Original Landfill	Sept. 1994	1290.61	Okay	11.53	27.04	15.51	N/A	N/A	1279.08
11	Original Landfill	Sept. 1994	1290.86	Okay	36.30	37.19	0.89	N/A	N/A	1254.56
12	Original Landfill	Sept. 1994	1289.28	Okay	17.10	19.23	2.13	N/A	N/A	1272.18
22	Cell 21A	Mar. 2006	N/A	Okay	24.00	30.72	6.72	N/A	N/A	N/A
23	Cell A	N/A	N/A	Okay	44.30	44.30	0.00	-1.50	-1.50	N/A
24	Cell A	N/A	N/A	Okay	34.10	44.00	9.90	0.083	9.983	N/A
25	Cell B	N/A	N/A	Okay	42.50	55.71	13.21	-1.50	11.71	N/A
26	Cell B	N/A	N/A	Okay	38.20	58.10	19.90	0.083	19.983	N/A
27	Cell C	Aug. 22, 2014	N/A	Okay	35.65	41.80	6.15	-1.50	4.650	N/A
28	Cell C	Mar-14	N/A	Okay	40.20	41.20	1.00	0.083	1.083	N/A
29	Cell D1	Jun-17	N/A	Okay	47.65	50.00	2.35	-1.50	0.850	N/A
30	Cell D1	Jun-17	N/A	Okay	45.50	45.60	0.10	0.083	0.183	N/A
31	Cell D2	Jun-17	N/A	Okay	30.15	29.8	-0.35	-1.50	-1.850	N/A
32	Cell D2	Jun-17	N/A	Okay	29.30	29.1	-0.20	0.083	-0.117	N/A

**Northern Plains Regional Sanitary Landfill
Leachate**

9/29/2025

Column A	Column B	Column C	Column D	Column E	Column F	Column G	Column H	Column I	Column J	Column K
Leachate PZ Well No.		Date Installed	Top of Casing Elevation	Current Condition	Depth to Water from Top (ft)	Measured Depth of PZ from Top (ft)	Standing Liquid in PZ (ft)	Reference Point (ft)	Head Above Liner (ft)	Elevation Leachate MSL (ft)
1	Original Landfill	Sept. 1994	1292.52	Okay	35.25	39.70	4.45	N/A	N/A	1257.27
2	Original Landfill	Sept. 1994	1288.7	Okay	35.60	50.48	14.88	N/A	N/A	---
3	Original Landfill	Sept. 1994	1290.76	Okay	26.68	30.90	4.22	N/A	N/A	1264.08
4	Original Landfill	Sept. 1994	1290.16	Okay	37.70	36.80	-0.90	N/A	N/A	1252.46
5	Original Landfill	Sept. 1994	1285.14	Destroyed	---	---	---	N/A	N/A	---
6	Original Landfill	Sept. 1994	1283	Okay	26.93	26.95	0.02	N/A	N/A	1256.07
7	Original Landfill	Sept. 1994	1285.41	Okay	27.80	29.91	2.11	N/A	N/A	1257.61
8	Original Landfill	Sept. 1994	1281.65	Okay	28.40	29.70	1.30	N/A	N/A	1253.25
9	Original Landfill	Sept. 1994	1280.13	Okay	29.80	29.63	-0.17	N/A	N/A	1250.33
10	Original Landfill	Sept. 1994	1290.61	Okay	11.53	27.04	15.51	N/A	N/A	1279.08
11	Original Landfill	Sept. 1994	1290.86	Okay	36.02	37.19	1.17	N/A	N/A	1254.84
12	Original Landfill	Sept. 1994	1289.28	Okay	16.45	19.23	2.78	N/A	N/A	1272.83
22	Cell 21A	Mar. 2006	N/A	Okay	24.00	30.72	6.72	N/A	N/A	---
23	Cell A	N/A	N/A	Okay	45.20	44.30	-0.90	-1.50	-2.40	N/A
24	Cell A	N/A	N/A	Okay	NM	NM	NM	0.083	NM	N/A
25	Cell B	N/A	N/A	Okay	36.15	55.71	19.56	-1.50	18.06	N/A
26	Cell B	N/A	N/A	Okay	38.00	58.10	20.10	0.083	20.183	N/A
27	Cell C	Aug. 22, 2014	N/A	Okay	41.75	41.80	0.05	-1.50	-1.450	N/A
28	Cell C	Mar-14	N/A	Okay	40.20	41.20	1.00	0.083	1.083	N/A
29	Cell D1	Jun-17	N/A	Okay	50.30	50.00	-0.30	-1.50	-1.800	N/A
30	Cell D1	Jun-17	N/A	Okay	45.50	45.60	0.10	0.083	0.183	N/A
31	Cell D2	Jun-17	N/A	Okay	30.15	29.8	-0.35	-1.50	-1.850	N/A
32	Cell D2	Jun-17	N/A	Okay	29.30	29.1	-0.20	0.083	-0.117	N/A

**Northern Plains Regional Sanitary Landfill
Leachate**

10/20/2025

Column A	Column B	Column C	Column D	Column E	Column F	Column G	Column H	Column I	Column J	Column K
Leachate PZ Well No.		Date Installed	Top of Casing Elevation	Current Condition	Depth to Water from Top (ft)	Measured Depth of PZ from Top (ft)	Standing Liquid in PZ (ft)	Reference Point (ft)	Head Above Liner (ft)	Elevation Leachate MSL (ft)
1	Original Landfill	Sept. 1994	1292.52	Okay	34.42	39.70	5.28	N/A	N/A	1258.10
2	Original Landfill	Sept. 1994	1288.7	Okay	35.60	50.48	14.88	N/A	N/A	1253.10
3	Original Landfill	Sept. 1994	1290.76	Okay	26.70	30.90	4.20	N/A	N/A	1264.06
4	Original Landfill	Sept. 1994	1290.16	Okay	36.70	36.80	0.10	N/A	N/A	1253.46
5	Original Landfill	Sept. 1994	1285.14	Destroyed	---	---	---	N/A	N/A	---
6	Original Landfill	Sept. 1994	1283	Okay	26.90	26.95	0.05	N/A	N/A	1256.10
7	Original Landfill	Sept. 1994	1285.41	Okay	27.60	29.91	2.31	N/A	N/A	1257.81
8	Original Landfill	Sept. 1994	1281.65	Okay	28.21	29.70	1.49	N/A	N/A	1253.44
9	Original Landfill	Sept. 1994	1280.13	Okay	29.70	29.63	-0.07	N/A	N/A	1250.43
10	Original Landfill	Sept. 1994	1290.61	Okay	12.75	27.04	14.29	N/A	N/A	1277.86
11	Original Landfill	Sept. 1994	1290.86	Okay	36.90	37.19	0.29	N/A	N/A	1253.96
12	Original Landfill	Sept. 1994	1289.28	Okay	17.35	19.23	1.88	N/A	N/A	1271.93
22	Cell 21A	Mar. 2006	N/A	Okay	22.95	30.72	7.77	N/A	N/A	---
23	Cell A	N/A	N/A	Okay	45.20	44.30	-0.90	-1.50	-2.40	N/A
24	Cell A	N/A	N/A	Okay	39.90	44.00	4.10	0.083	4.183	N/A
25	Cell B	N/A	N/A	Okay	34.90	55.71	20.81	-1.50	19.31	N/A
26	Cell B	N/A	N/A	Okay	29.90	58.10	28.20	0.083	28.283	N/A
27	Cell C	Aug. 22, 2014	N/A	Okay	33.40	41.80	8.40	-1.50	6.900	N/A
28	Cell C	Mar-14	N/A	Okay	40.45	41.20	0.75	0.083	0.833	N/A
29	Cell D1	Jun-17	N/A	Okay	40.30	50.00	9.70	-1.500	8.200	N/A
30	Cell D1	Jun-17	N/A	Okay	45.50	45.60	0.10	0.083	0.183	N/A
31	Cell D2	Jun-20	N/A	Okay	29.7	29.8	0.10	-1.500	-1.400	N/A
32	Cell D2	Jun-20	N/A	Okay	29	29.1	0.10	0.083	0.183	N/A
33	Cell E1	Sep-23	N/A	Okay	9.9	9.9	0.00	0.000	0.000	N/A
34	Cell E1	Sep-23	N/A	Okay	10.4	10.4	0.00	0.000	0.000	N/A

Northern Plains Regional Sanitary Landfill
Leachate

11/24/2025

Column A	Column B	Column C	Column D	Column E	Column F	Column G	Column H	Column I	Column J	Column K
Leachate PZ Well No.		Date Installed	Top of Casing Elevation	Current Condition	Depth to Water from Top (ft)	Measured Depth of PZ from Top (ft)	Standing Liquid in PZ (ft)	Reference Point (ft)	Head Above Liner (ft)	Elevation Leachate MSL (ft)
1	Original Landfill	Sept. 1994	1292.52	Okay	34.42	39.70	5.28	N/A	N/A	1258.10
2	Original Landfill	Sept. 1994	1288.7	Okay	35.60	50.48	14.88	N/A	N/A	1253.10
3	Original Landfill	Sept. 1994	1290.76	Okay	26.70	30.90	4.20	N/A	N/A	1264.06
4	Original Landfill	Sept. 1994	1290.16	Okay	36.70	36.80	0.10	N/A	N/A	1253.46
5	Original Landfill	Sept. 1994	1285.14	Destroyed	---	---	---	N/A	N/A	---
6	Original Landfill	Sept. 1994	1283	Okay	26.90	26.95	0.05	N/A	N/A	1256.10
7	Original Landfill	Sept. 1994	1285.41	Okay	27.60	29.91	2.31	N/A	N/A	1257.81
8	Original Landfill	Sept. 1994	1281.65	Okay	28.21	29.70	1.49	N/A	N/A	1253.44
9	Original Landfill	Sept. 1994	1280.13	Okay	26.00	29.63	3.63	N/A	N/A	1254.13
10	Original Landfill	Sept. 1994	1290.61	Okay	12.75	27.04	14.29	N/A	N/A	1277.86
11	Original Landfill	Sept. 1994	1290.86	Okay	36.90	37.19	0.29	N/A	N/A	1253.96
12	Original Landfill	Sept. 1994	1289.28	Okay	17.35	19.23	1.88	N/A	N/A	1271.93
22	Cell 21A	Mar. 2006	N/A	Okay	23.00	30.72	7.72	N/A	N/A	N/A
23	Cell A	N/A	N/A	Okay	45.20	44.30	-0.90	-1.50	-2.40	N/A
24	Cell A	N/A	N/A	Okay	39.90	44.00	4.10	0.083	4.183	N/A
25	Cell B	N/A	N/A	Okay	34.90	55.71	20.81	-1.50	19.31	N/A
26	Cell B	N/A	N/A	Okay	29.90	58.10	28.20	0.083	28.283	N/A
27	Cell C	Aug. 22, 2014	N/A	Okay	33.50	41.80	8.30	-1.50	6.800	N/A
28	Cell C	Mar-14	N/A	Okay	40.45	41.20	0.75	0.083	0.833	N/A
29	Cell D1	Jun-17	N/A	Okay	40.30	50.00	9.70	-1.500	8.200	N/A
30	Cell D1	Jun-17	N/A	Okay	45.50	45.60	0.10	0.083	0.183	N/A
31	Cell D2	Jun-17	N/A	Okay	29.7	29.8	0.10	-1.50	-1.400	N/A
32	Cell D2	Jun-17	N/A	Okay	29	29.1	0.10	0.083	0.183	N/A

**Northern Plains Regional Sanitary Landfill
Leachate**

12/23/2025

Column A	Column B	Column C	Column D	Column E	Column F	Column G	Column H	Column I	Column J	Column K
Leachate PZ Well No.		Date Installed	Top of Casing Elevation	Current Condition	Depth to Water from Top (ft)	Measured Depth of PZ from Top (ft)	Standing Liquid in PZ (ft)	Reference Point (ft)	Head Above Liner (ft)	Elevation Leachate MSL (ft)
1	Original Landfill	Sept. 1994	1292.52	Okay	35.72	39.70	3.98	N/A	N/A	1256.80
2	Original Landfill	Sept. 1994	1288.7	Okay	35.60	50.48	14.88	N/A	N/A	1253.10
3	Original Landfill	Sept. 1994	1290.76	Okay	27.34	30.90	3.56	N/A	N/A	1263.42
4	Original Landfill	Sept. 1994	1290.16	Okay	36.95	36.80	-0.15	N/A	N/A	1253.21
5	Original Landfill	Sept. 1994	1285.14	Destroyed	---	---	---	N/A	N/A	---
6	Original Landfill	Sept. 1994	1283	Okay	26.90	26.95	0.05	N/A	N/A	1256.10
7	Original Landfill	Sept. 1994	1285.41	Okay	27.60	29.91	2.31	N/A	N/A	1257.81
8	Original Landfill	Sept. 1994	1281.65	Okay	28.21	29.70	1.49	N/A	N/A	1253.44
9	Original Landfill	Sept. 1994	1280.13	Okay	29.50	29.63	0.13	N/A	N/A	1250.63
10	Original Landfill	Sept. 1994	1290.61	Okay	14.19	27.04	12.85	N/A	N/A	1276.42
11	Original Landfill	Sept. 1994	1290.86	Okay	37.25	37.19	-0.06	N/A	N/A	1253.61
12	Original Landfill	Sept. 1994	1289.28	Okay	17.35	19.23	1.88	N/A	N/A	1271.93
22	Cell 21A	Mar. 2006	N/A	Okay	23.00	30.72	7.72	N/A	N/A	N/A
23	Cell A	N/A	N/A	Okay	45.20	44.30	-0.90	-1.50	-2.40	N/A
24	Cell A	N/A	N/A	Okay	39.90	44.00	4.10	0.083	4.183	N/A
25	Cell B	N/A	N/A	Okay	34.90	55.71	20.81	-1.50	19.31	N/A
26	Cell B	N/A	N/A	Okay	29.90	58.10	28.20	0.083	28.283	N/A
27	Cell C	Aug. 22, 2014	N/A	Okay	33.50	41.80	8.30	-1.50	6.800	N/A
28	Cell C	Mar-14	N/A	Okay	45.50	41.20	-4.30	0.083	-4.217	N/A
29	Cell D1	Jun-17	N/A	Okay	40.30	50.00	9.70	-1.500	8.200	N/A
30	Cell D1	Jun-17	N/A	Okay	45.50	45.60	0.10	0.083	0.183	N/A
31	Cell D2	Jun-17	N/A	Okay	29.70	29.8	0.10	-1.50	-1.400	N/A
32	Cell D2	Jun-17	N/A	Okay	29.00	29.1	0.10	0.083	0.183	N/A