

2025 ANNUAL GROUNDWATER QUALITY REPORT

FOR THE IOWA COUNTY SANITARY LANDFILL 48-SDP-2-79P HOMESTEAD, IOWA

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List of Well Synonyms**List of Leachate Well Synonyms**

Also Known As:	WELL#	Also Known As:	Also Known As:	LEACHATE WELL#
MW89-3	MW-3	LPZ-1	LPZ-92-1	LW-1
MW89-5	MW-5	LPZ-2	LPZ-92-2	LW-2
MW89-6	MW-6	LPZ-3	LPZ-93-3	LW-3
MW89-7	MW-7	LPZ-4	LPZ-93-4	LW-4
MW89-8	MW-8	LPZ-5	LPZ-93-5	LW-5
MW89-9	MW-9	EW-6		LW-6
MW92-11	MW-11	EW-7R		LW-7R
MW92-12	MW-12	EW-8		LW-8
MW92-13	MW-13	EW-9R		LW-9R
MW92-14	MW-14	LPZ-101		LPZ-101
MW92-15	MW-15	LPZ-102		LPZ-102
MW92-16	MW-16	LPZ-103		LPZ-103
MW93-17	MW-17	GPZ-104		GPZ 104
MW93-18	MW-18	LPZ-105		LPZ-105
~~MW93-19~~	~~MW-19~~	GPZ 106		GPZ 106
~~MW93-20~~	~~MW-20~~	LPZ-107		LPZ-107
~~MW93-21~~	~~MW-21~~	GPZ 108		GPZ 108
~~MW93-22~~	~~MW-22~~			
MW93-23	MW-23			
MW00-24	MW-24			
MW01-25	MW-25			
MW01-26	MW-26			
MW01-27	MW-27			
MW01-28	MW-28			
MW01-29D	MW-29D			
MW01-30	MW-30			
MW01-31	MW-31			
MW01-32	MW-32			
MW01-33	MW-33			
MW01-34	MW-34			
MW01-35	MW-35			
MW01-36	MW-36			
MW01-37	MW-37			
~~MW12-38~~	~~MW-38~~			
~~MW12-39~~	~~MW-39~~			
MW16-40	MW-40			
MW12-41	MW-41			
MW22-42	MW-42			
MW24-43	MW-43			
PZ89-2	PZ 2			
PZ89-3	PZ 3			
PZ89-4	PZ 4			

Strike through text indicates properly plugged and abandoned wells

Certification

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Section 1.0 Background Information

1.1 Report Format

Table 1 through Table 14 are attached to this report and satisfy the IDNR requirement to provide the tables to meet the IDNR format requirements included in Special Provision 4.k. of the Permit Revision – Amendment No. 10, dated November 25, 2025 (Doc #114852).

1.2 Report Priority

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

1.3 Period of Report Coverage

Water quality data evaluation is based on a running compilation of data beginning in December 2014. Statistical evaluations herein are based on the most recent water quality data collected December 9, 2025.

1.4 Current Site Map

Figure 1 and Figure 2 are attached illustrating the current site features, monitoring well locations, and subsurface gas probe locations.

1.5 Site Status and Applicable Rules

Site Location

The Iowa County Sanitary Landfill is in Section 1, T80N, R9W, Iowa County, Iowa. The site encompasses approximately 130 acres. The facility is situated north of Highway 6 at the Iowa/Johnson County line. The facility operates under the Iowa Department of Natural Resources (IDNR) Permit Number 48-SDP-2-79P.

Landfill Layout

The site is situated in the uplands south of the Iowa River valley.

The facility includes a closed landfill and operating RCRA Subtitle D Expansion Areas designated Phase A and Phase B. Phases A-3, A-4, and B-1 are actively receiving waste from the planning area.

Applicable Rules

Iowa Administrative Code (IAC) 567-113 is applicable to the site. The original landfill (closed) is regulated under (IAC) 567-113 in accordance with the variance that was approved January 31, 2012.

1.6 Summary of Hydrologic Monitoring System Plan (HMSP)

The HMSP, includes upgradient monitoring points MW-11, MW-13, MW-27, MW-28, MW-29 (historic data from MW-29), and MW-32.

There are eight (8) downgradient monitoring wells in the original landfill: MW-15, MW-16, MW-18, MW20-2, MW20-6, MW22-2, MW-23, and MW-42.

There are six (6) downgradient monitoring points in Phase A designated MW-29D, MW-40, MW-41, GU-2, GU-4, and GU-5.

There are three (3) downgradient monitoring points in Phase B designated MW-30, MW-43, and GU-6.

MW-41 serves as a downgradient monitoring point to the leachate treatment lagoons on the site. The current HMSP is summarized in Table 1. The HMSP Implementation Schedule for 2026 is itemized in Table 2.

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 (1992-2025) is included in Table 4A. A Water Table Contour Map (Figure 3) dated December 9, 2025 is included with this report and illustrates the water table surface and the effects of the topography. Review of the map confirms control of the water table surface in the Original Landfill and in Areas A and B.

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

Well Development

In the 2024 Annual Water Quality Report, there were three (3) monitoring wells that indicated “sedimentation” exceeding 1.0 feet in thickness at MW-23, MW-30, and MW-32. The “sedimentation” is based on the recorded discrepancy between the recorded well bottom and the measured well bottom.

On September 2, 2025, each monitoring well was developed by pumping and surging using an inertial displacement pump. Particular care was given to ensuring that the foot valve operated at the well base, to intentionally remove sedimentation from the casing through the foot valve.

Upon completion of well development the following was recorded compared to the original condition:

<u>Well</u>	<u>Before Development</u>	<u>After Development</u>
MW-23	2.00 feet of sediment	0.10 feet of sediment
MW-30	1.30 feet of sediment	1.20 feet of sediment
MW-32	1.55 feet of sediment	1.50 feet of sediment

Based on the outcome of the well development, a significant amount of sediment (1.9 feet) was removed from MW-23. MW-30 and MW-32 did not change significantly in depth. The interpretation based on field observation, is that the measured depths at MW-30 and MW-32 are accurate and reflect the actual well bottom. It is surmised that a recording error exists in the original well documentation forms and are cause of the apparent discrepancy in measured versus recorded depth.

Well Depth & Sedimentation

Well depth measurements were made December 9, 2025. Review of the well depth data included on Table 4 indicates that well sedimentation is estimated to be less than one (1) foot at all site monitoring wells. There remain well depth discrepancies on Table 4 at the following wells:

MW-13 – (-1.45) feet

MW-30 – 1.20 feet

MW-32 – 1.50 feet

No further actions are recommended related to the recorded discrepancies.

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^{-4} cm/sec and 10^{-7} cm/sec.

Field recovery data recorded on June 6, 2024 (also on Table 4) indicates that the monitoring wells recover to at least 90% recovery within 6 to 12 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 is included on Table 2A.

Field sampling information for June 12, 2025, September 2, 2025, and December 9, 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 December 10, 2014 and December 9, 2025 is included on Table 9.

2.1 Current Detection Monitoring Activities

Background wells are currently MW-11, MW-13, MW-27, MW-28, MW-29 (2019 and prior), and MW-32.

Downgradient monitoring points include MW-15, MW-16, MW-18, MW20-2, MW20-6, MW22-2, MW-23, MW-29D, MW-40, MW-41, MW-42, MW-43, GU-2, GU-4, GU-5, and GU-6.

2.2 Current Assessment Monitoring Activities

Assessment monitoring wells include MW-15, MW-23, MW-41, and MW-42. A five (5) year frequency for full Appendix II sampling was approved in Special Provision X.4.h of the Permit Revision – Amendment No. 10, dated November 25, 2025 (Doc #114852).

There are four (4) rounds of full Appendix II sampling completed at MW-23; while two (2) rounds are completed at MW-15, MW-41, and MW-42 (Table 2).

2.3 Current Corrective Action Activities

GU-1 was connected to the leachate collection system in satisfaction of IAC 567-113(10)2(3) and was removed from the HMSP in Permit Amendment #2 dated August 15, 2012. GU-3 was connected to the leachate collection system on October 24, 2013 in satisfaction of IAC 567-113(10)2(3) and was removed from the HMSP in Permit Amendment #4, dated January 17, 2014.

The delineation of impact along the east side of the property was submitted March 31, 2017 (Doc #88819) and was approved by IDNR on April 21, 2017 (Doc #89221).

The Assessment of Corrective Measures (ACM) Report was submitted to IDNR on December 15, 2017 (Doc #91116) and was approved by IDNR on January 3, 2018 (Doc #91206). A public meeting was held by the Regional Environmental Improvement Commission (REIC) on March 14, 2018 to discuss the ACM. On June 13, 2018 the REIC selected the remedy to implement and notified IDNR of the selection on June 25, 2018. The selected remedy and implementation schedule was approved by IDNR on June 28, 2018 (Doc #92696) and a revised completion date was approved by IDNR on January 9, 2020 (Doc# 96714).

Construction of the remedy was completed on August 11, 2021 and record information was submitted on September 20, 2021 (Doc #101243). The December 2, 2021 sample collection event represented the first sample collection episode completed following construction of the remedy.

The selected remedy was source control through excavation of a gas venting ditch coupled with monitored natural attenuation. MW20-2, MW20-6, and MW22-2 are the designated Corrective Action Monitoring Plan (CAMP) corrective action wells. Water

quality evaluation of the CAMP wells includes the assessment of trends over time in water quality within the plume of impact.

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 Iowa County Sanitary Landfill, First Semi-Annual Monitoring Event in 2025, dated July 2025, is included in Appendix B.1. The Groundwater Statistics Report for the Iowa County Sanitary Landfill, Second Semi-Annual Monitoring Event in 2025, dated January 2026, is included in Appendix B.2.

The Analytical Reports for the laboratory testing on samples collected June 12, 2025, September 2, 2025, and December 9, 2025 are included in Appendix C.

QUALITY ASSURANCE/QUALITY CONTROL

A blind duplicate sample was collected at MW-43 during the June 12, 2025 sampling episode. A blind duplicate sample was collected at MW-20-2 during the December 9, 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 June 12, 2025, and December 9, 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 were issued by the IDNR regarding turbidity (Doc # 80743). A TSS and Field Turbidity Evaluation Report was prepared and submitted on February 24, 2015 (Doc# 82543) and was approved by IDNR on April 20, 2015 (Doc #83095). 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 December 10, 2014 sampling episode.

Upgradient Data, Table 1, Attachment B, to the January, 2026 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 (12.6 ug/L), cadmium (11.7 ug/L), and cobalt (10.7 ug/L) calculated from the background data exceeds the published IAC 567, Chapter 137 Statewide Standard (10.0 ug/L, 5 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 prediction limits for arsenic (12.6 ug/L), cadmium (11.7 ug/L), and cobalt (10.7 ug/L) are utilized as the Site-Specific GWPS. For all other compounds the published IAC 567, Chapter 137 Statewide Standard are utilized as the GWPS (see Table 5).

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.

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* year prediction limit in 2025. There were no verified prediction limit exceedances recorded in the current detection monitoring system wells, only in the assessment monitoring system wells.

VOC compounds are detected in CAMP Wells (MW20-2, MW20-6, and MW22-2) at concentrations that exceed the prediction limit. Inorganic compounds are not detected or are detected in concentrations below the prediction limits at the CAMP wells.

Prediction limit exceedances are again recorded at wells that are currently included in the assessment monitoring systems (MW-15, MW-23, MW-41, and MW-42). Table 7 includes an on-going summary of compound detections that exceed the prediction limits (highlighted in light brown).

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. CAMP Wells (MW20-2, MW20-6, and MW22-2) are not evaluated by interwell statistical methods, rather the water quality at CAMP wells is evaluated by trend analyses over time (Table 12).

Exceedance of the Prediction Limits for the current year is summarized on Table 1. 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.h of the Permit Revision – Amendment No. 10, dated November 25, 2025 (Doc #114852).

There are four (4) rounds of full Appendix II sampling completed at MW-23; while two (2) rounds are completed at MW-15, MW-41, and MW-42 (Table 2).

The on-going supplemental sampling includes Appendix I plus all detected Appendix II compounds per 113.10(6)b.2. Compounds detected to date beyond the Appendix I list are limited to bis(2-ethylhexyl) phthalate at MW-41.

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.

Based on the results to date, bis (2-ethylhexyl) phthalate will continue to be monitored on a five (5) year frequency as appropriate to findings during assessment monitoring episodes. MW-15, MW-23, MW-41, and MW-42 will remain in assessment monitoring, but the semi-annual sampling parameter list will be limited to Appendix I compounds in accordance with IAC 567, Chapter 113.10(6)“d”2. The full Appendix II sampling schedule is included on Table 2.

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 horizontal and vertical directions and required completion of an Assessment of Corrective Measures (ACM).

The SSL Evaluation is based on data collected since December 10, 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. There are no SSL recorded to date at assessment monitoring wells MW-15, MW-23, MW-41, or MW-42.

Based on the SSL evaluation, monitoring wells MW-15, MW-23, MW-41, and MW-42 remain designated as Assessment Monitoring Wells due to the absence of SSL. No additional ACM Activities are required at this time.

ASSESSMENT OF CORRECTIVE MEASURES (ACM)

The delineation of impact along the east side of the Original Landfill near MW-20 and MW-22 was submitted March 31, 2017 (Doc #88819) and was approved by IDNR on April 21, 2017 (Doc #89221).

The selected remedy was source control through excavation of a gas venting ditch coupled with monitored natural attenuation.

Construction of the remedy was completed on August 11, 2021 and record information was submitted on September 20, 2021 (Doc #101243). The revised Permit dated September 23, 2021 (Doc #101271) approved the project.

MW20-2, MW20-6, and MW22-2 are designated as the corrective action monitoring wells (CAMP Wells).

CORRECTIVE MEASURES MONITORING PLAN (CAMP)

The Corrective Action Monitoring Plan (CAMP) at Monitoring Wells MW20-2, MW20-6, and MW22-2 commenced June 22, 2021, prior to completion of construction of the ditch. Samples collected starting December 2, 2021 represent the initial monitoring episode completed after the remedy construction was completed. The results to date of the monitoring are included in Table 12, along with time series graphs that include the GWPS.

The November 30, 2016 (MW20-2 and MW22-2) and December 9, 2016 (MW20-6) monitoring results are also included in Table 12 for reference.

To date, ten (10) data points exist for the CAMP monitoring wells MW20-2, MW20-6, and MW22-2 after completion of the corrective action in August 2021. Concentrations that exceed the respective GWPS are highlighted on the tables in Table 12. The time series graphs include data from 12/2/2021 to the most current.

Downward trends in VOC concentrations are demonstrated for several of the VOC over time. Downward trends are not yet discernible for several compounds.

Review of the confidence intervals is also performed now that sufficient data exists from the CAMP wells. This evaluation is included in Appendix G.. Remedies are considered complete once the upper confidence interval (95% UCL) has been below the GWPS for three (3) consecutive years (IAC 567-113.10(9)"e"). At present several VOC compounds in the CAMP wells (MW20-2, MW20-6, and MW22-2) have 95% LCL values that exceed GWPS.

The remedy is not yet complete and the CAMP monitoring should continue, and trends should be evaluated again based on supplemental data collected in 2026.

Section 4.0 Leachate Collection System Performance Evaluation

Between January 1, 2024, and December 31, 2024, approximately 1,755,440 gallons (Jan – Dec) of leachate were discharged from the treatment lagoons (Appendix H.1). The Effluent records from the Monthly Operation Reports submitted to the IDNR by landfill staff are included in Appendix H.2. The Iowa County Sanitary Landfill Lagoon discharge is regulated by the October 1, 2019 NPDES Permit and the June 3, 2020 NPDES Permit Amendment issued to the Regional Environmental Improvement Commission (Appendix H.3). A Permit renewal application was filed with the IDNR NPDES Section prior to the deadline in 2024.

Accumulated sludge was removed from the lagoons in late June/early July 2018.

The system has been operated in 2025 without significant incident. A construction permit has been issued by the IDNR NPDES Section for installation of new aeration equipment in the treatment lagoons in 2026.

Leachate Line Cleaning

IAC 567-113.7(5)b(5) requires that the leachate system be cleaned every three (3) years at a minimum. The leachate gravity collection and conveyance lines were cleaned on November 27, 2024.

Leachate Pump Station

The leachate pump station alarm system required by Permit Amendment #5 dated May 2, 2016 became operational on December 21, 2016. A Certification Report documenting the installation of the alarm system was submitted to IDNR on December 21, 2016 (Doc #88367). Staff reports that there were no alarms received in 2025.

The landfill staff replaced the flow meter and the piping manifold in the leachate lift station in 2025.

Area A & Area B

Leachate head monitoring points in Area A (LPZ-101, 102, 103, 105, and 107) and Area B (LPZ-109) are illustrated in Figure 4. Also, the groundwater diversion layer head monitoring points (GPZ-104, 106, 108, and 110) are illustrated on Figure 4.

Leachate head monitoring point measurements in Area A and Area B are included in Table 13A. Leachate head monitoring points in Area A and Area B were measured monthly in 2025.

Measurements in LPZ-101(Phase A-2 liner), LPZ-102 (Phase A-3 liner), LPZ-103 (Phase A-3 liner), and LPZ-107 (Phase A-4 liner - north) document that the leachate head levels were below 12-inches during each monthly monitoring episode in 2025.

Measurements in LPZ-105 (Phase A-4 liner - south) have documented leachate head levels of over 1' during every monitoring episode in 2025, except two (2) episodes (October and November 2025). Review of the recorded data for 2025 shows a cyclic occurrence of leachate head at LPZ-105. It appears that LPZ-105 is susceptible to a surge in head, followed by a systematic decrease in head after the recorded surge. Given sufficient time between surges, the head levels drop below 12-inches. Surges appear to have been recorded in March, April, July, and December. The recorded surge in July resolved in October when the head dropped below 12-inches.

LPZ-105 was repaired by the landfill director on June 18, 2024. In September, 2024 the area around LPZ-105 was graded to drain and improvements were made in the adjacent road to allow surface drainage.

The landfill director plans to excavate the area near to LPZ-105 to expose the piping and the drainage layer. The excavations will be exploratory to help determine the cause and to remedy the apparent leachate surges at LPZ-105. The exploration and repair work are anticipated to be completed in the first one-half of calendar year 2026 as site conditions allow.

Monitoring in Area B1 (LPZ-109) document that the leachate head levels were below 12-inches during each monthly monitoring episode in 2025.

No changes to the head monitoring methods are recommended for 2025.

Separation of the Base of Waste and the Water Table

Separation of the base of waste and the groundwater table is evaluated through observation of groundwater elevation measurements collected from groundwater piezometers GPZ-104 (Phase A-3 expansion), GPZ-106 (Phase A-4 expansion – south), GPZ-108 (Phase A-4 expansion – north), and GPZ-110 (Phase Area B-1 expansion). Groundwater head measurements are required semiannually in accordance with the SDP Permit with the measurements included on Table 13C. Based on the groundwater head data presented on Table 13C, separation is maintained between the base of the solid waste and the groundwater surface. No changes are recommended.

Original Landfill LCP

The leachate collection system in the Closed Area consists of several collection tiles at the toe of the ravine fill. Flow meters do not exist in the leachate collection system prior to the pump station and a measurement of leachate collected from the toe drain system is unavailable.

On July 22, 2022, a request was filed with IDNR asking to cease extraction activities at all extraction wells in the Original Landfill (EW-6, EW-7, and EW-9 (Doc #103672)). The request

was approved July 25, 2022 (Doc #103760) and required quarterly inspection of the east side of the landfill with regard to seeps.

During quarterly site visits on March 21, 2025; June 12, 2025; September 2, 2025; and December 9, 2025, there were no seeps observed on the west cut bank (landfill side) of the ditch located along the east side of the landfill.

It was required that the extraction wells continue to exist without operating the extraction system throughout 2025. The end of 2025 marked the end of a three (3) year demonstration that leachate seeps do not result from the cessation of extraction. Based on the three (3) consecutive years without observed seeps, the extraction will be permanently ceased and the quarterly inspections will be reduced at an annual event completed during the site inspection performed annually for REIC.

Leachate head monitoring wells are in the Original Landfill. Leachate surface measurements are made quarterly at each piezometer and well (Table 13B). The Groundwater Contours Map for December 2025 (Figure 3 of this report) includes the leachate elevations. This map represents the current groundwater/leachate surface.

Review of the Groundwater Contour Map indicates that the leachate surface is controlled in the Original Landfill. The 2025 map (Figure 3) suggests that a majority of the Original Landfill exhibits northerly components of flow (except in the southeast corner of the Original Landfill).

Section 5.0 Gas Monitoring

Explosive gas monitoring per 113.9(2) and the approved GMSP was conducted quarterly during the last reporting period (2025). The site perimeter, subsurface gas monitoring probes GP-1, GP-2, GP-3, GP-5, GP-6, GP-7, and GP-9, site structures and the groundwater underdrains in the Subtitle D expansion area are included in the GMSP. Note that GP-4 was removed by excavation along the east side of the Original Landfill in 2021 and was replaced by GP-7 and GP-9 located further to the east.

The groundwater underdrain for Phase A-1 (GU-1) and Phase A-3 (GU-3) were connected to the leachate conveyance system in August, 2012 and October, 2013, respectively. The capped and truncated ends of the conveyance pipes were not removed and continue to daylight near the intermittent creek. Given that the truncated pipe sections remain in place adjacent to the waste boundary, the pipes (GU-1 and GU-3) have been retained in the GMSP. The GMSP includes the underdrain monitoring points GU-1, GU-2, GU-3, GU-4, GU-5, and GU-6 (Area B1).

A request to amend the GMSP was submitted to IDNR of January 13, 2026 (Doc #115634). The request is to remove GU-1 and GU-3 from the GMSP.

It is noted that the discharge end of the pipe at GU-3 will need to be exposed if GU-3 must be retained in the GMSP, as it was recorded as buried during all four (4) monitoring episodes in 2025.

Gas monitoring points were added around Phase Area B-1 (GU-6, MW-30, and MW-32) in September 2024.

Figure 1 & Figure 2 illustrate the locations of underdrains GU-1 through GU-6, gas probes GP-1 through GP-9 (excluding GP4 and GP-8), and MW-30 and MW-32.

Explosive gas concentrations (%LEL) were undetected *or* were below action levels during the monitoring episodes. A summary table of gas monitoring is included as Table 14.

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 (12.6 ug/L), cadmium (11.7 ug/L), and for cobalt (10.7 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.

It is recommended that exploratory excavation be performed near LPZ-105 to expose the piping and the drainage layer with the intention of identifying a remedy to the recorded leachate head surges recorded at LPZ-105.

Monthly leachate head monitoring should continue in Area A and Area B.

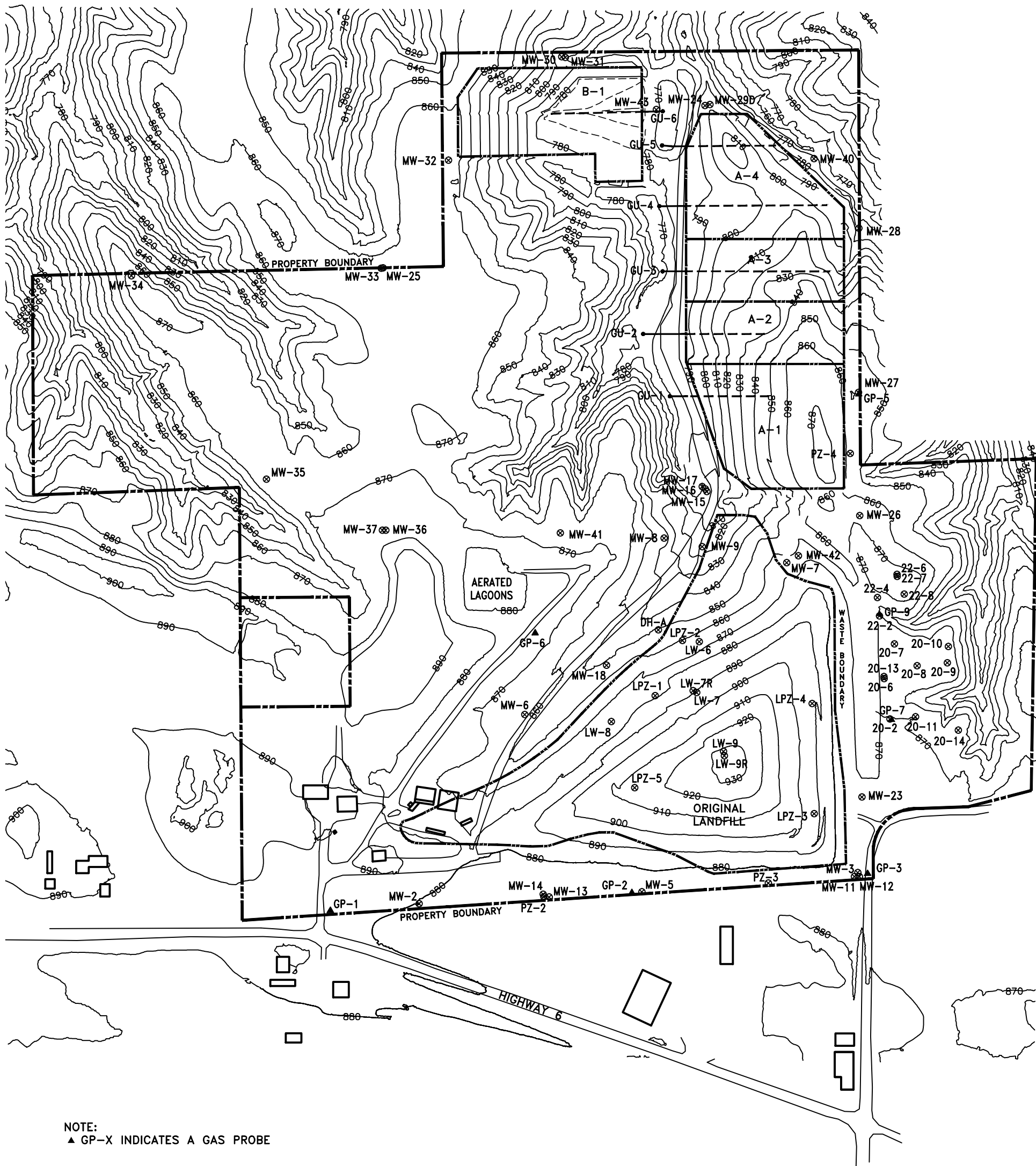
Quarterly observations of the west bank of the excavated east-side ditch along the Original Landfill should be discontinued. The required three (3) years term of quarterly observations indicate that leachate seeps have not formed in the absence of leachate extraction in the Original Landfill.

Gas monitoring should continue at a quarterly frequency. If the request to Amend the GMSP (Doc #115634) is approved, GU-1 and GU-3 should be removed from the GMSP. If the request to Amend the GMSP is not approved, the end of pipe at the discharge of GU-3 needs to be exposed and open for future monitoring.

Figures



0 50 100 200 400
LIDAR FLY DATE: 5-12-2009
PH A1, A2, A3 SURVEY: OCT 2016
PHASE A4 SURVEY: MAR 2015



NOTE:
▲ GP-X INDICATES A GAS PROBE



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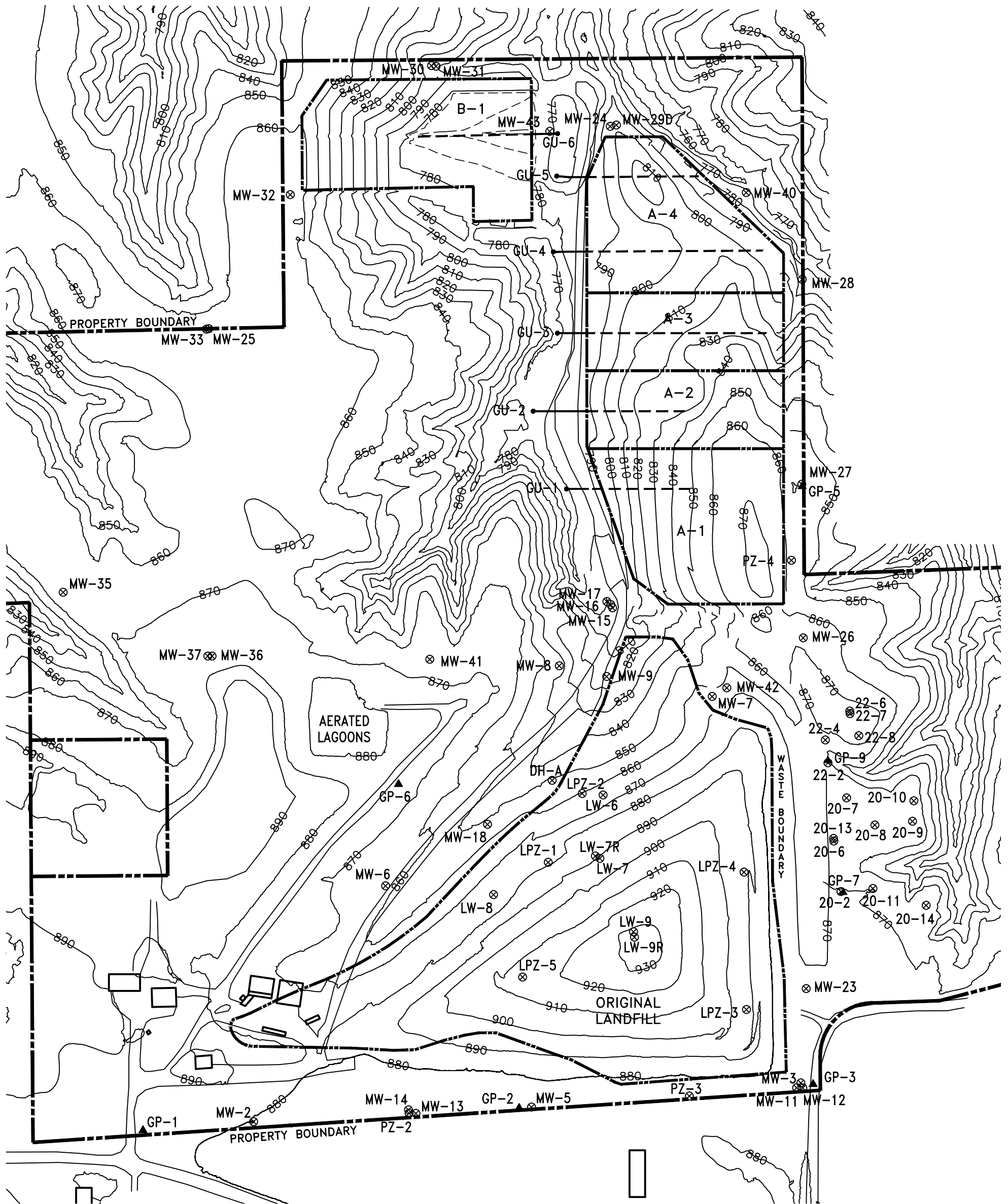
SITE PLAN
TOTAL PROPERTY
IOWA COUNTY SANITARY LANDFILL
AMANA, IOWA

FIGURE: 1

REVISION	NO.	DATE
DRAWN DRA	PROJECT NO. 6005	DATE 1-14-26



0 50 100 200 400
LIDAR FLY DATE: 5-12-2009
PH A1, A2, A3 SURVEY: OCT 2016
PHASE A4 SURVEY: MAR 2015



HLW Engineering Group
204 West Broad Street, P.O. Box 314
Story City, Iowa 50248
Phone: (515) 733-4144
FAX: (515) 733-4146

SITE PLAN
LANDFILL AREA
IOWA COUNTY SANITARY LANDFILL
AMANA, IOWA

FIGURE: 2

REVISION	NO.	DATE
DRAWN DRA	PROJECT NO. 6005	DATE 1-14-26

WATER ELEVATION DECEMBER 9, 2025											
WELL	ELEV.	WELL	ELEV.	WELL	ELEV.	WELL	ELEV.	WELL	ELEV.	WELL	ELEV.
MW-5	870.26	MW-18	850.35	MW-36	855.20	LW-6	819.98	20-2	856.09	20-11	NR
MW-6	860.28	MW-23	862.72	MW-40	765.32	LW-7R	850.99	20-6	851.77	20-14	NR
MW-7	846.99	MW-27	<824.92	MW-41	849.29	LW-8	847.58	20-7	NR	22-2	845.71
MW-8	NR	MW-28	771.03	MW-42	847.00	LW-9R	871.11	20-8	NR	22-4	NR
MW-9	807.01	MW-29D	<765.09	MW-43	757.03			20-9	NR	22-7	NR
MW-11	868.04	MW-30	785.67			LPZ-1	861.34	20-10	NR	22-8	NR
MW-13	869.90	MW-32	834.75	PZ-3	868.63	LPZ-2	<839.02				
MW-15	789.13	MW-33	835.80	PZ-4	829.99	LPZ-3	<876.05				
						LPZ-4	859.24				
						LPZ-5	861.29				

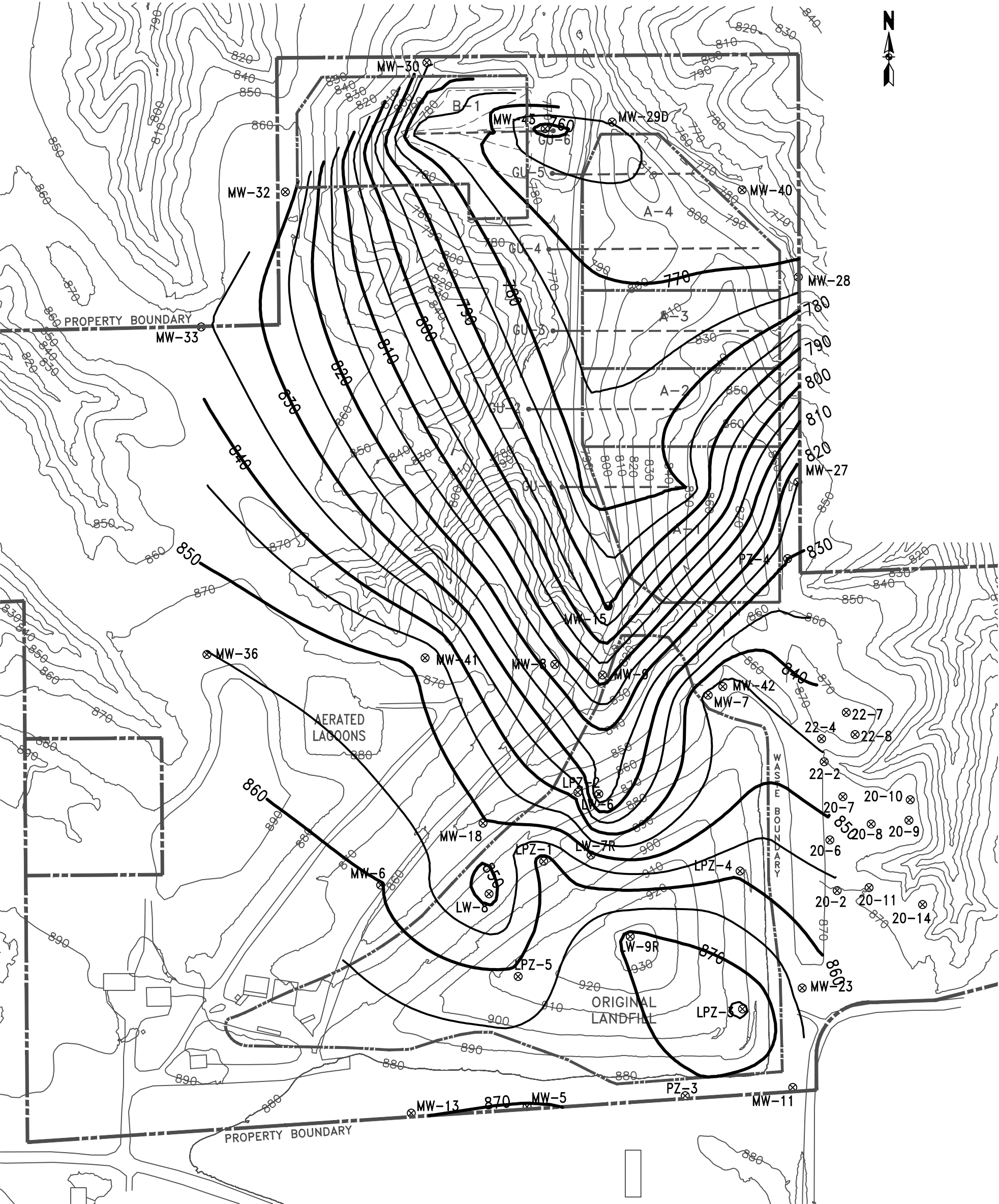
TABLE NOTE:
1. THE WATER ELEVATIONS FOR THE FOLLOWING ARE THE BOTTOMS OF DRY WELLS: MW-27, MW-29D, LPZ-2, LPZ-3.

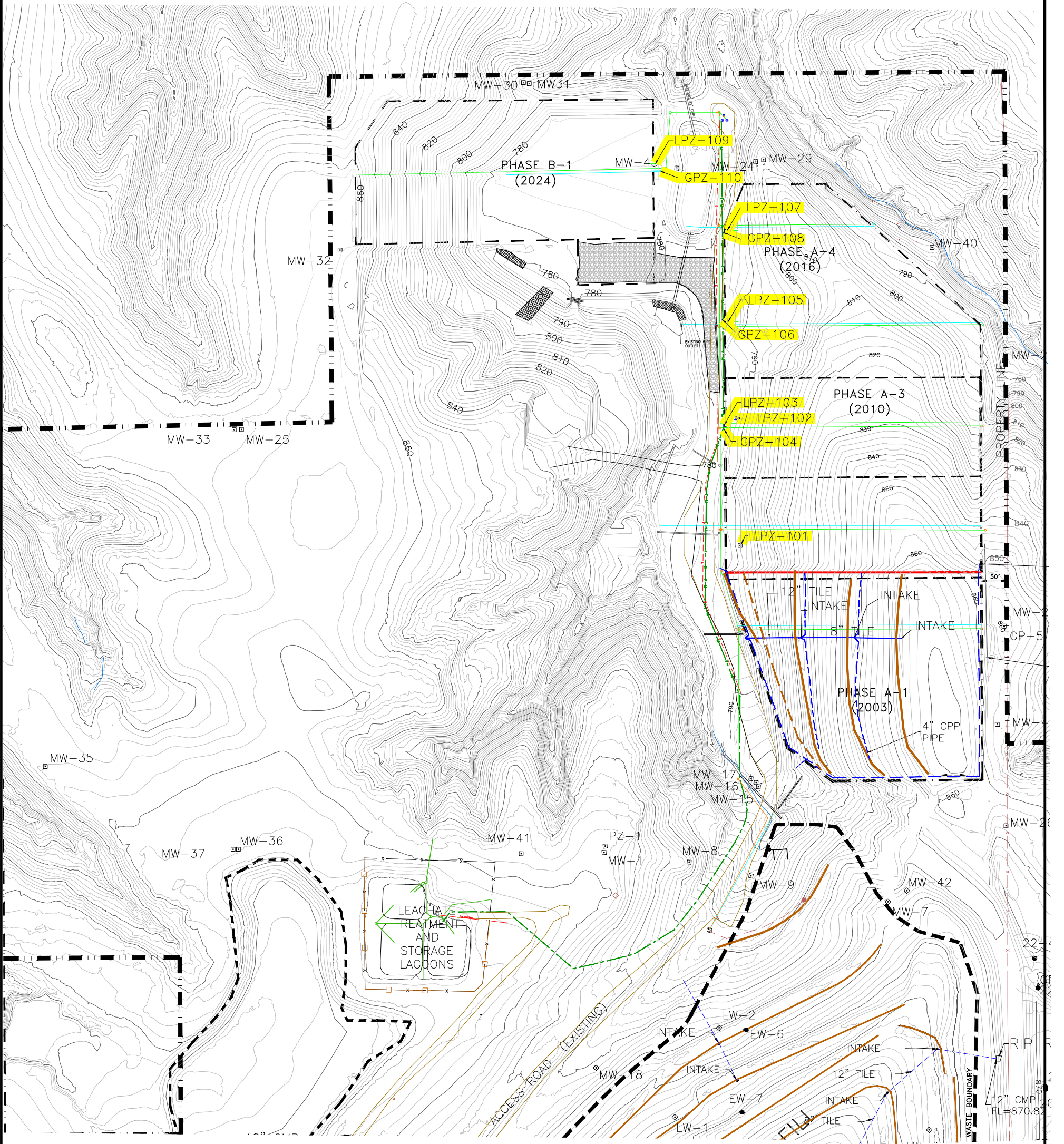
050100200400

LIDAR FLY DATE: 5-12-2009

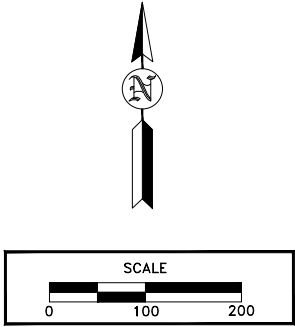
PH A1, A2, A3 SURVEY: OCT 2016

PHASE A4 SURVEY: MAR 2015





LEGEND	
EXISTING 2' CONTOURS	—
EXISTING 10' CONTOURS	—
PROPOSED 2' LINER CONTOURS	—
PROPOSED 10' LINER CONTOURS	—
PROPOSED 2' RLC CONTOURS	—
PROPOSED 10' RLC CONTOURS	—
PROPOSED 2' TURNAROUND CONTOURS	—
PROPOSED 10' TURNAROUND CONTOURS	—
LANDFILL WASTE BOUNDARY	—
EXISTING FML LINER	—
PROPOSED WASTE BOUNDARY	—
PROPERTY LINE (APPROX.)	—
PROPOSED GWD SYSTEM	—
PROPOSED LEACHATE SYSTEM	—
EXISTING WELL	● MW-1



- NOTES:
1. SITE CONTOURS WITHIN CONSTRUCTION AREA FROM FIELD SURVEY DATED 09/13/24.
 2. SITE CONTOURS OUTSIDE CONSTRUCTION AREA FROM LIDAR SURVEY DATED 2008.

Tables (in IDNR Format)

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Table 14 – Gas Monitoring Summary

Table 1 – Monitoring Program Summary

Table 1
Monitoring Program Summary
Annual Water Quality Report
Iowa County Sanitary Landfill
Permit No. 48-SDP-02-79P

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 October 15, 2014		
						Detection	Assessment	Corrective Action
MW-11	Glacial Till	Background	NC	None	None	25	0	0
MW-13	Glacial Till	Background	NC	None	None	25	0	0
MW-27	Glacial Till	Background	NC	None	None	15	0	0
MW-28	Glacial Till	Background	NC	None	None	25	0	0
MW-29	Glacial Till	Background	NC	None	None	11	0	0
MW-29D	Glacial Till	Detection	NC	None	None	5	0	0
MW-15	Glacial Till	Assessment	NC	Cobalt	None	0	24	0
MW-16	Glacial Till	Detection	NC	None	None	24	0	0
MW-18	Glacial Till	Detection	NC	None	None	24	0	0
MW20-2	Glacial Till	CAMP - CA Well	NC	See Table 12	N/A	0	0	11
MW20-6	Glacial Till	CAMP - CA Well	NC	See Table 12	N/A	0	0	11
MW22-2	Glacial Till	CAMP - CA Well	NC	See Table 12	N/A	0	0	11
MW-23	Glacial Till	Assessment	NC	1,1-dichloroethane, chloroethane, arsenic, copper	None	0	24	0
MW-30	Glacial Till	Detection	NC	None	None	3	0	0
MW-32	Glacial Till	Background	NC	None	None	0	0	0
MW-40	Glacial Till	Detection	NC	None	None	24	0	0
MW-41	Glacial Till	Assessment	NC	chromium	None	0	24	0
MW-42	Glacial Till	Assessment	NC	1,1-dichloroethane, chlorobenzene, chloroethane, cis-1,2-dichloroethylene	None	0	7	0
MW-43	Glacial Till	Detection	NC	None	None	4	0	0
GU-2	Underdrain	Detection	NC	None	None	2	0	0
GU-4	Underdrain	Detection	NC	None	None	1	0	0
GU-5	Underdrain	Detection	NC	None	None	2	0	0
GU-6	Underdrain	Detection	NC	None	None	6	0	0

** = not verified - verification sample is required*

CAMP - CA = Corrective Action Monitoring Plan - Corrective Action Well (monitored natuaral attenuation + cut-off passive venting ditch for source control)

Table 2 – Monitoring Program Implementation Schedule

Table 2
Monitoring Program Implementation Schedule
Annual Water Quality Report
Iowa County Sanitary Landfill
Permit No. 48-SDP-02-79P

Monitoring Well	Recent Sampling Dates and Constituents	Upcoming Sampling Dates and Constituents		Full Appendix II Sample Dates	
		June, 2026	December, 2026	Previously Collected	Next Event
MW-11		Appendix I	Appendix I		N/A
MW-13	see Table 2A	Appendix I	Appendix I		N/A
MW-27		Appendix I	Appendix I		N/A
MW-28		Appendix I	Appendix I		N/A
MW-29D		Appendix I	Appendix I		N/A
MW-15		Appendix I	Appendix I	12/4/2024, 12/9/2025	December, 2030
MW-16		Appendix I	Appendix I		
MW-18		Appendix I	Appendix I		
MW20-2		Appendix I	Appendix I		
MW20-6		Appendix I	Appendix I		
MW22-2		Appendix I	Appendix I		
MW-23		Appendix I	Appendix I	12/5/11, 6/21/12, 6/22/17, 6/8/2022	June, 2027
MW-30		Appendix I	Appendix I		
MW-32		Appendix I	Appendix I		
MW-40		Appendix I	Appendix I		
MW-41		Appendix I	Appendix I	6/8/2022, 6/6/2023	June, 2028
MW-42		Appendix I	Appendix I	6/6/2023, 6/6/24	June, 2029
MW-43		Appendix I	Appendix I		
GU-2		Appendix I	Appendix I		
GU-4		Appendix I	Appendix I		
GU-5		Appendix I	Appendix I		
GU-6		Appendix I	Appendix I		

⁽¹⁾ add bis(2-ethylhexyl)phthalate

DNE = Does Not Exist

Table 2A – Summary of Monitoring to Date

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

WELL	3/20/08	5/28/08	7/7/08	9/15/08	12/22/08
GU-2	Dry	Dry	Dry	Dry	Dry
GU-3	Installed 10/10	Installed 10/10	Installed 10/10	Installed 10/10	Installed 10/10

WELL	3/17/09	6/3/09	9/9/09	12/17/09	3/30/10
GU-2	Dry	Dry	Dry	Dry	Dry
GU-3	Installed 10/10	Installed 10/10	Installed 10/10	Installed 10/10	Installed 10/10

WELL	9/8/10	12/20/10	3/8/11	9/6/11	
GU-2	Dry	Dry	Dry	Dry	
GU-3	Installed 10/10	Appendix I	Dry	Appendix I	

WELL	12/5/11	3/1/12	6/21/12	9/17/12	12/4/12
MW-11 (b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-13 (b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-27 (b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-28 (b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-29 (b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-7	Appendix I		Appendix I		Appendix I
MW-15	Appendix I		Appendix I		Appendix I
MW-16	Appendix I		Appendix I		Appendix I
MW-18	Appendix I		Appendix I		Appendix I
MW-19	Dry		Appendix I		Appendix I
MW-20	Appendix II		Appendix II		Appendix I
MW-22	Appendix II		Appendix II		Appendix I ^(1,2)
MW-23	Appendix II		Appendix II		Appendix I ⁽³⁾
MW-38	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-39	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-41	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
GU-2	Dry		Dry		Appendix I
GU-3	Dry		Appendix I		Appendix I
Duplicate	At MW-13	At MW-28	At MW-41	At MW-13	At MW-11

WELL	6/3/13	9/11/13	12/12/13	3/12/14	6/25/14
MW-11 (b)	Appendix I		Appendix I		Appendix I
MW-13 (b)	Appendix I		Appendix I		Appendix I
MW-27 (b)	Appendix I		Dry		Dry
MW-28 (b)	Appendix I		Appendix I		Appendix I
MW-29 (b)	Appendix I		Dry		Appendix I
MW-7	Appendix I	Appendix II	Appendix II		Appendix I ^(1,2)
MW-15	Appendix I		Appendix I		Appendix I
MW-16	Appendix I		Appendix I		Appendix I
MW-18	Appendix I		Appendix I		Appendix I
MW-19	Appendix I	Dry	Dry		Appendix II
MW-20	Appendix I ⁽¹⁾		Appendix I ⁽¹⁾		Appendix I ⁽¹⁾
MW-22	Appendix I ^(1,2)		Appendix I ^(1,2)		Appendix I ^(1,2)
MW-23	Appendix I ⁽³⁾		Appendix I ⁽³⁾		Appendix I ⁽³⁾
MW-38	Appendix I		Appendix I		Appendix I
MW-39	Appendix I		Appendix I		Appendix I
MW-41	Appendix I		Appendix I	(R) Zn	Appendix I
GU-2	Dry		Dry		Dry
GU-3	Appendix I	Dry	Removed		Removed
Duplicate	At MW-19		At MW-15		At MW-15

WELL	8/19/14	12/10/14	3/4/15	6/4/15	9/11/15	12/1/2015
MW-11 (b)	---	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-13 (b)	---	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-27 (b)	---	Dry	Dry	Appendix I	Appendix I	Appendix I
MW-28 (b)	---	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-29 (b)	---	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-7	---	Appendix I ^(1,2)	---	Appendix I ^(1,2)	---	Appendix I ^(1,2)
MW-15	---	Appendix I	---	Appendix I	---	Appendix I
MW-16	---	Appendix I	---	Appendix I	---	Appendix I
MW-18	---	Appendix I	---	Appendix I	---	Appendix I
MW-19	---	Dry	---	Appendix II	(4)	Appendix I ^(1,4)
MW-20	Appendix I ⁽⁵⁾	Appendix I ⁽¹⁾	---	Appendix I ⁽¹⁾	---	Appendix I ⁽¹⁾
MW-22	Appendix I ⁽⁵⁾	Appendix I ^(1,2)	---	Appendix I ^(1,2)	---	Appendix I ^(1,2)
MW-23	---	Appendix I ⁽³⁾	---	Appendix I ⁽³⁾	---	Appendix I ⁽³⁾
MW-38	---	Appendix I	---	Appendix I	---	Appendix I
MW-39	---	Appendix I	---	Appendix I	---	Appendix I
MW-41	---	Appendix I	---	Appendix I	---	Appendix I
GU-2	---	Dry	---	Dry	---	Dry
Duplicate	---	At MW-41	---	At MW-23	---	At MW-39

WELL	6/27/16	10/3/16	11/30/16	1/13/17	3/6/17	6/22/17
MW-11 (b)	Appendix I	---	Appendix I	---		Appendix I
MW-13 (b)	Appendix I	---	Appendix I	---		Appendix I
MW-27 (b)	Appendix I	---	Appendix I	---		Appendix I
MW-28 (b)	Appendix I	---	Appendix I	---		Appendix I
MW-29 (b)	Appendix I	---	Appendix I	---		Appendix I
MW-7	Appendix I ^(1,2)	---	Appendix I ^(1,2)	---		Appendix I ^(1,2)
MW-15	Appendix I	---	Appendix I	---		Appendix I
MW-16	Appendix I	---	Appendix I	---		Appendix I
MW-18	Appendix I	---	Appendix I	---		Appendix I
MW-19	Appendix I ^(1,4)	---	Appendix I ^(1,4)	---		Appendix I ^(1,4)
MW-20	Appendix I ⁽¹⁾	---	Appendix I ⁽¹⁾	---		Appendix II
MW-22	Appendix I ^(1,2)	---	Appendix I ^(1,2)	---		Appendix II
MW-23	Appendix I ⁽³⁾	---	Appendix I ⁽³⁾	---		Appendix II
MW-38	Appendix I	---	Appendix I	---		Appendix I
MW-39	Appendix I	---	Appendix I	(R) - Zn		Appendix I
MW-40	---	---	Appendix I	---		Appendix I
MW-41	Appendix I	---	Appendix I	---		Appendix I
GU-2	Dry	---	Dry	---		Dry
GU-4	---	Appendix I	Dry	Dry	Dry	Dry
GU-5	---	Appendix I	Dry	Dry	Dry	Dry
Duplicate	At MW-22	---	At MW-41	---		At MW-41

WELL	9/13/17	11/15/17	12/13/17	6/18/18	11/28/18	
MW-11 (b)		Appendix I		Appendix I	Appendix I	
MW-13 (b)		Appendix I		Appendix I	Appendix I	
MW-27 (b)		Dry		Dry	Dry	
MW-28 (b)		Appendix I		Appendix I	Appendix I	
MW-29 (b)		Dry		Appendix I	Appendix I	
MW-7		Appendix I ^(1,2)		Appendix I ^(1,2)	Appendix II	
MW-15	(R) - As	Appendix I		Appendix I	Appendix I	
MW-16		Appendix I		Appendix I	Appendix I	
MW-18		Appendix I		Appendix I	Appendix I	
MW-19	Dry	Dry		Dry	Dry	
MW-20		Appendix I ^(1,2)		Appendix I ^(1,2)	Appendix I ^(1,2)	
MW-22		Appendix I ^(1,2)		Appendix I ^(1,2)	Appendix I ^(1,2)	
MW-23	(R) - Ni	Appendix I ⁽³⁾		Appendix I	Appendix I	
MW-38		Appendix I		Appendix I	Appendix I	
MW-39		Appendix I		Appendix I	Appendix I	
MW-40	Appendix I	Appendix I		Appendix I	Appendix I	
MW-41		Appendix I	(R) - Cr	Appendix I	Appendix I	
GU-2		Dry		Dry	Dry	
GU-4		Dry		Dry	Dry	
GU-5		Dry		Dry	Dry	
Duplicate		At MW-11		At MW-28	At MW-22	

WELL	3/13/2019	6/14/2019	9/11/2019	12/5/2019
MW-11 (b)		Appendix I		Appendix I
MW-13 (b)		Appendix I		Appendix I
MW-27 (b)		Appendix I		Appendix I
MW-28 (b)		Appendix I		Appendix I
MW-29 (b)		Appendix I		Appendix I
MW-7		Appendix I ^(1,2)		Appendix I ^(1,2)
MW-15		Appendix I	R-(As)	Appendix I
MW-16		Appendix I		Appendix I
MW-18		Appendix I		Appendix I
MW-19		Appendix I ^(1,4)		Appendix I ^(1,4)
MW-20		Appendix I ^(1,2)		Appendix I ^(1,2)
MW-22		Appendix I ^(1,2)		Appendix I ^(1,2)
MW-23	R-(Ni)	Appendix I		Appendix I
MW-38		Appendix I		Appendix I
MW-39		Appendix I		Appendix I
MW-40		Appendix I		Appendix I
MW-41		Appendix I		Appendix I
GU-2		Dry		Dry
GU-4		Dry		Dry
GU-5		Dry		Dry
Duplicate		At MW-18		At MW-28

WELL	3/2/2020	6/17/2020	9/1/2020	12/7/2020
MW-11 (b)		Appendix I		Appendix I
MW-13 (b)		Appendix I		Appendix I
MW-27 (b)		Appendix I		Appendix I
MW-28 (b)		Appendix I		Appendix I
MW-29D		Appendix I		Appendix I
MW-7		Appendix I ^(1,2)		Appendix I ^(1,2)
MW-15		Appendix I	R-(As)	Appendix I
MW-16		Appendix I		Appendix I
MW-18	R-(Zn)	Appendix I		Appendix I
MW-19		Appendix II		<i>Plugged</i>
MW-20		Appendix I ^(1,2)		<i>Plugged</i>
MW-22		Appendix I ^(1,2)		<i>Plugged</i>
MW-23		Appendix I		Appendix I
MW-38		Appendix I		Appendix I
MW-39		Appendix I		Appendix I
MW-40		Appendix I		Appendix I
MW-41		Appendix I		Appendix I
GU-2		Dry		Dry
GU-4		Dry		Dry
GU-5		Dry		Dry
Duplicate		At MW-23		At MW-39

-
- (1) Appendix I plus dichlorodifluoromethane
 (2) Appendix I plus bis(2ethylhexyl)phthalate
 (3) Appendix I plus no additional Appendix II Compounds
 (4) Sulfide
 (5) Appendix I VOC only
-

(R) = Resample

WELL	6/22/2021	12/2/2021	3/1/2022	6/8/2022	11/22/2022
MW-11 (b)	Appendix I	Appendix I		Appendix I	Appendix I
MW-13 (b)	Appendix I	Appendix I		Appendix I	Appendix I
MW-27 (b)	Appendix I	Appendix I	Dry	Appendix I	Dry
MW-28 (b)	Appendix I	Appendix I		Appendix I	Appendix I
MW-29D	Appendix I	Appendix I		Appendix I	Dry
MW-7	Appendix I ^(1,2)	Appendix I ^(1,2)		Appendix I ^(1,2)	NT
MW-15	Appendix I	Appendix I		Appendix I	Appendix I
MW-16	Appendix I	Appendix I		Appendix I	Appendix I
MW-18	Appendix I	Appendix I		Appendix I	Appendix I
MW20-2	Appendix I ⁽⁵⁾	Appendix I		Appendix I	Appendix I
MW20-6	Appendix I ⁽⁵⁾	Appendix I		Appendix I	Appendix I
MW22-2	Appendix I ⁽⁵⁾ + Co	Appendix I		Appendix I	Appendix I
MW-23	Appendix I	Appendix I		Appendix II	Appendix II
MW-38	Appendix I	Appendix I		Appendix I	Appendix I
MW-39	Appendix I	Appendix I		Appendix I	Appendix I
MW-40	Appendix I	Appendix I		Appendix I	Appendix I
MW-41	Appendix I	Appendix I	(R) - Cr	Appendix II	Appendix I ⁽²⁾
MW-42	NT	NT		NT	Appendix I
GU-2	Dry	Dry		Dry	Dry
GU-4	Dry	Dry		Dry	Dry
GU-5	Dry	Dry		Damaged	Damaged
Duplicate	At MW-38	At MW-13		At MW-18	At MW-42

-
- (1) Appendix I plus dichlorodifluoromethane
 (2) Appendix I plus bis(2ethylhexyl)phthalate
 (3) Appendix I plus no additional Appendix II Compounds
 (4) Sulfide
 (5) Appendix I VOC only
-

(R) = Resample

WELL	6/6/2023	8/7/2023	12/4/2023	6/6/2024	8/8/2024
MW-11 (b)	Appendix I		Appendix I	Appendix I	
MW-13 (b)	Appendix I		Appendix I	Appendix I	
MW-27 (b)	Appendix I		Appendix I	Dry	
MW-28 (b)	Appendix I		Appendix I	Appendix I	
MW-29D	Appendix I		Appendix I	Dry	
MW-15	Appendix I	R – As, Co	Appendix I	Appendix I	
MW-16	Appendix I		Appendix I	Appendix I	
MW-18	Appendix I		Appendix I	Appendix I	
MW20-2	Appendix I		Appendix I	Appendix I	
MW20-6	Appendix I		Appendix I	Appendix I	
MW22-2	Appendix I		Appendix I	Appendix I	
MW-23	Appendix I		Appendix I	Appendix I	
MW-30	NT		NT	NT	
MW-32	NT		NT	NT	
MW-38	Appendix I		Appendix I	Appendix I	
MW-39	Appendix I		Appendix I	Appendix I	
MW-40	Appendix I		Appendix I	Appendix I	
MW-41	Appendix II		Appendix I	Appendix I	
MW-42	Appendix II		Appendix I	Appendix II	
MW-43	DNE		DNE	DNE	
GU-2	Dry		Dry	Appendix I	
GU-4	Dry		Dry	Dry	
GU-5	Damaged		Damaged	Appendix I	
GU-6	DNE		DNE	Dry	Appendix I
Duplicate	At MW-38		At MW-41	At MW-13	

-
- (1) Appendix I plus dichlorodifluoromethane
 (2) Appendix I plus bis(2ethylhexyl)phthalate
 (3) Appendix I plus no additional Appendix II Compounds
 (4) Sulfide
 (5) Appendix I VOC only
-

(R) = Resample
 NT – Not Tested
 DNE – Did Not Exist

WELL	8/11/2024	8/22/2024	9/12/2024	12/4/2024	
MW-11 (b)				Appendix I	
MW-13 (b)				Appendix I	
MW-27 (b)				Dry	
MW-28 (b)				Appendix I	
MW-29D				Dry	
MW-15	R – Co			Appendix II	
MW-16				Appendix I	
MW-18				Appendix I	
MW20-2				Appendix I	
MW20-6				Appendix I	
MW22-2				Appendix I	
MW-23				Appendix I	
MW-30				Appendix I	
MW-32				Dry	
MW-38				Appendix I	
MW-39				Appendix I	
MW-40				Appendix I	
MW-41				Appendix I ⁽²⁾	
MW-42				Appendix I	
MW-43			Appendix I	Appendix I	
GU-2				Dry	
GU-4				Dry	
GU-5	Dry	Dry	Dry	Dry	
GU-6		Appendix I	Appendix I	Appendix I	
Duplicate				Appendix I	

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- (1) Appendix I plus dichlorodifluoromethane
 (2) Appendix I plus bis(2ethylhexyl)phthalate
 (3) Appendix I plus no additional Appendix II Compounds
 (4) Sulfide
 (5) Appendix I VOC only
-

(R) = Resample
 NT – Not Tested
 DNE – Did Not Exist

WELL	6/12/2025	9/2/2025	12/9/2025		
MW-11 (b)	Appendix I		Appendix I		
MW-13 (b)	Appendix I		Appendix I		
MW-27 (b)	Appendix I		Dry		
MW-28 (b)	Appendix I		Appendix I		
MW-29D	Dry		Dry		
MW-15	Appendix I		Appendix II		
MW-16	Appendix I		Appendix I		
MW-18	Appendix I		Appendix I		
MW20-2	Appendix I		Appendix I		
MW20-6	Appendix I		Appendix I		
MW22-2	Appendix I		Appendix I		
MW-23	Appendix I		Appendix I		
MW-30	Appendix I	R – Cd	Appendix I		
MW-32	Dry		Dry		
MW-38	Appendix I		Appendix I		
MW-39	Appendix I		Appendix I		
MW-40	Appendix I		Appendix I		
MW-41	Appendix I		Appendix I		
MW-42	Appendix I		Appendix I		
MW-43	Appendix I		Appendix I		
GU-2	Dry		Dry		
GU-4	Dry		Dry		
GU-5	Dry		Dry		
GU-6	Appendix I		Appendix I		
Duplicate	At MW43		At MW-20-2		

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(1) Appendix I plus dichlorodifluoromethane	(R) = Resample
(2) Appendix I plus bis(2ethylhexyl)phthalate	NT – Not Tested
(3) Appendix I plus no additional Appendix II Compounds	DNE – Did Not Exist
(4) Sulfide	
(5) Appendix I VOC only	
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Table 3 – Monitoring Well Maintenance Performance Reevaluation Schedule

Table 3
Monitoring Well Maintenance and Performance Revaluation Schedule
Annual Water Quality Report
Iowa County Sanitary Landfill
Permit No. 48-SDP-02-79P

Compliance with:	Monitoring Calendar Years									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
567 IAC 113.10(2)"f"(1) high and low water levels (biennial)	X		X		X		X	X	X	X
567 IAC 113.10(2)"f"(2) changes in the hydrologic setting and flow paths (historic = 1 per 5 years; current = biennial)		X		X		X		X		X
567 IAC 113.10(2)"f"(3) well depths (annual)	X	X	X	X	X	X	X	X	X	X
567 IAC 113.10(2)"f"(4) well recharge rates and chemistry (biennial)		X		X		X		X		X
Waste separation from ground water 113.6(2)"I"			2X	2X	2X	2X	2X	2X	2X	2X

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 (historic = 1 per 5 years; current = 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)"I"	2X	2X	2X	2X	2X	2X	2X	2P	2P	2P

X = completed

P = Planned

Table 4 – Monitoring Well Maintenance Performance Reevaluation Summary

Table 4
Monitoring Well Maintenance and Performance Summary
Annual Water Quality Report
Iowa County Sanitary Landfill
Permit No. 48-SDP-02-79P

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	
					6/12/2025	12/9/2025			6/6/2024	Change
MW-11	879.41	869.23	24.89	Groundwater Level (ft)	8.2	11.37	-0.81	0.000108 June, 2010	Full recovery in 8 hour	None percieved
				Groundwater Elevation (Ft MSL)	871.21	868.04				
				Measured Well Depth (ft)	25.7	25.7				
				Submerged (+) or Exposed screen (-)	1.98	-1.19				
MW-13	879.5	870	25.65	Groundwater Level (ft)	8.83	9.6	-1.45	0.000378 June, 2010	Full recovery in 8 hour	None percieved
				Groundwater Elevation (Ft MSL)	870.67	869.9				
				Measured Well Depth (ft)	27.1	27.1				
				Submerged (+) or Exposed screen (-)	0.67	-0.1				
MW-27	861.52	835.14	36.4	Groundwater Level (ft)	32.86	36.6	-0.2	0.00000834 June, 2010	Dry	None percieved
				Groundwater Elevation (Ft MSL)	828.66	824.92				
				Measured Well Depth (ft)	36.6	36.6				
				Submerged (+) or Exposed screen (-)	-6.48	-10.22				
MW-28	780.6	772.29	18.31	Groundwater Level (ft)	8.54	9.57	0.31	0.00000381 Oct., 2001	Full recovery in 24 hour	None percieved
				Groundwater Elevation (Ft MSL)	772.06	771.03				
				Measured Well Depth (ft)	18	18				
				Submerged (+) or Exposed screen (-)	-0.23	-1.26				
MW-29D	800.39	774.43	35.96	Groundwater Level (ft)	35.12	35.3	0.66	0.00000123 Oct., 2001	Dry	None percieved
				Groundwater Elevation (Ft MSL)	765.27	765.09				
				Measured Well Depth (ft)	35.3	35.3				
				Submerged (+) or Exposed screen (-)	-9.16	-9.34				
MW-15	798.13	787.74	20.39	Groundwater Level (ft)	8.5	9	0.39	0.0000391 June, 2010	Full recovery in 8 hour	None percieved
				Groundwater Elevation (Ft MSL)	789.63	789.13				
				Measured Well Depth (ft)	20	20				
				Submerged (+) or Exposed screen (-)	1.89	1.39				
MW-16	798.4	762.91	45.49	Groundwater Level (ft)	6.45	5.45	0.49	0.000000347 June, 2010	Full recovery in >24 hour	None percieved
				Groundwater Elevation (Ft MSL)	791.95	792.95				
				Measured Well Depth (ft)	45	45				
				Submerged (+) or Exposed screen (-)	29.04	30.04				
MW-18	854	844	30.2	Groundwater Level (ft)	2.61	3.65	0.1	0.0000259 June, 2010	Full recovery in 8 hour	None percieved
				Groundwater Elevation (Ft MSL)	851.39	850.35				
				Measured Well Depth (ft)	30.1	30.1				
				Submerged (+) or Exposed screen (-)	7.39	6.35				
MW20-2	873.8	857.55	26.25	Groundwater Level (ft)	16.35	17.71	0	0.00012 June, 2010	Full recovery in 8 hour	None percieved
				Groundwater Elevation (Ft MSL)	857.45	856.09				
				Measured Well Depth (ft)	26.25	26.25				
				Submerged (+) or Exposed screen (-)	-0.1	-1.46				
MW20-6	874.09	853.39	30.7	Groundwater Level (ft)	19.83	22.32	0	0.000186 June, 2010	Full recovery in 8 hour	None percieved
				Groundwater Elevation (Ft MSL)	854.26	851.77				
				Measured Well Depth (ft)	30.7	30.7				
				Submerged (+) or Exposed screen (-)	0.87	-1.62				
MW22-2	866.71	850.46	26.65	Groundwater Level (ft)	17.26	21	0	0.0000569 June, 2010	Full recovery in 8 hour	None percieved
				Groundwater Elevation (Ft MSL)	849.45	845.71				
				Measured Well Depth (ft)	26.65	26.65				
				Submerged (+) or Exposed screen (-)	-1.01	-4.75				
MW-23	877.33	864.33	23	Groundwater Level (ft)	12.21	14.61	0.1	0.00000838 June, 2010	Full recovery in 8 hour	None percieved
				Groundwater Elevation (Ft MSL)	865.12	862.72				
				Measured Well Depth (ft)	22.9	22.9				
				Submerged (+) or Exposed screen (-)	0.79	-1.61				
MW-30	794.3	777.8	26.5	Groundwater Level (ft)	9.7	8.63	1.2	0.00000123 Oct., 2001	Not Measured	None percieved
				Groundwater Elevation (Ft MSL)	784.6	785.67				
				Measured Well Depth (ft)	25.3	25.3				
				Submerged (+) or Exposed screen (-)	6.8	7.87				
MW-32	865.7	843.2	32.5	Groundwater Level (ft)	31	30.65	1.5	Dry Oct., 2001	Dry	None percieved
				Groundwater Elevation (Ft MSL)	834.7	835.05				
				Measured Well Depth (ft)	31	31				
				Submerged (+) or Exposed screen (-)	-8.5	-8.15				
MW-40	777.62	764.02	23.6	Groundwater Level (ft)	11.26	12.3	0	0.00000465 June, 2023	Full recovery in 8 hour	None percieved
				Groundwater Elevation (Ft MSL)	766.36	765.32				
				Measured Well Depth (ft)	23.6	23.6				
				Submerged (+) or Exposed screen (-)	2.34	1.3				
MW-41	869.26	852.4	27	Groundwater Level (ft)	15.84	19.97	0	0.000044 June, 2023	Full recovery in 8 hour	None percieved
				Groundwater Elevation (Ft MSL)	853.42	849.29				
				Measured Well Depth (ft)	27	27				
				Submerged (+) or Exposed screen (-)	1.02	-3.11				
MW-42	869.55	846.55	33	Groundwater Level (ft)	17.45	22.55	0	0.0000403 June, 2023	Full recovery in 8 hour	None percieved
				Groundwater Elevation (Ft MSL)	852.1	847				
				Measured Well Depth (ft)	33.0	33.0				
				Submerged (+) or Exposed screen (-)	5.55	0.45				
MW-43	776.06	751.06	35.45	Groundwater Level (ft)	23.27	19.05	0	0.000000191 September, 2024	Full recovery in >24 hour	None percieved
				Groundwater Elevation (Ft MSL)	752.79	757.01				
				Measured Well Depth (ft)	35.45	35.45				
				Submerged (+) or Exposed screen (-)	1.73	5.95				

Table 4A – Water Elevations Over Time

						IOWA COUNTY LANDFILL				
						48-SDP-2-79P				
						WATER ELEVATIONS				
Name	MW-89-1	PZ-89-1	MW-89-2	PZ-89-2	MW-89-3	PZ-89-3	MW-89-4	PZ-89-4	MW-89-5	MW-89-6
Alternate Name	MW-1	PZ-1	MW-2	PZ-2	MW-3	PZ-3	MW-4	PZ-4	MW-5	MW-6
TOP PVC ELEV.	872.33	872.74	884.72	879.84	879.48	880.34	860.15	860.97	880.13	865.89
DATE										865.44
3/1/2012	plugged	plugged	plugged	870.89	879.48	880.34	plugged	860.97	880.13	865.44
6/20/2012	plugged	plugged	plugged	870.69	876.88	870.54	plugged	837.02	871.73	857.54
9/17/2012	plugged	plugged	plugged	869.74	876.78	869.04	plugged	832.07	870.73	858.69
12/15/2012	plugged	plugged	plugged	869.44	877.08	867.59	plugged	831.17	870.33	858.64
6/3/2013	plugged	plugged	plugged	873.19	875.28	871.44	plugged	841.47	874.18	859.39
9/11/2013	plugged	plugged	plugged	NT	NT	880.34	plugged	NT	NT	NT
12/12/2013	plugged	plugged	plugged	869.54	875.33	869.04	plugged	831.27	867.53	858.04
6/24/2014	plugged	plugged	plugged	872.04	875.48	870.34	plugged	837.67	873.63	859.84
12/10/2014	plugged	plugged	plugged	870.94	875.68	870.59	plugged	834.87	871.83	858.94
6/4/2015	plugged	plugged	plugged	871.79	875.83	870.74	plugged	837.90	873.21	858.94
12/1/2015	plugged	plugged	plugged	872.94	875.93	870.34	plugged	834.17	874.03	860.69
6/27/2016	plugged	plugged	plugged	871.64	876.23	871.08	plugged	836.15	872.92	859.34
11/30/2016	plugged	plugged	plugged	871.14	876.28	870.02	plugged	833.57	871.93	859.44
6/22/2017	plugged	plugged	plugged	871.80	876.54	871.31	plugged	837.49	872.95	858.98
11/15/2017	plugged	plugged	plugged	870.06	876.78	869.43	plugged	831.07	870.83	858.80
6/18/2018	plugged	plugged	plugged	875.06	874.53	869.64	plugged	832.24	871.74	858.14
11/28/2018	plugged	plugged	plugged	871.22	874.48	871.57	plugged	836.55	872.54	859.22
6/12/2019	plugged	plugged	plugged	873.45	875.02	872.96	plugged	842.40	874.08	859.73
12/5/2019	plugged	plugged	plugged	872.05	874.38	871.72	plugged	835.34	873.01	861.11
6/17/2020	plugged	plugged	plugged	872	875.88	871.73	plugged	836.32	873.03	859.51
12/7/2020	plugged	plugged	plugged	870.91	876.83	869.96	plugged	832.67	871.72	859.79
6/22/2021	plugged	plugged	plugged	871.06	876.98	870.95	plugged	837.15	871.98	858.36
12/2/2021	plugged	plugged	plugged	870.01	868.39	877.59	plugged	832.18	871.01	859.64
6/8/2022	plugged	plugged	plugged	871.68	870.3	880.34	plugged	837.09	872.76	861.98
11/22/2022	plugged	plugged	plugged	869.92	866.99	875.34	plugged	830.47	869.59	858.84
6/6/2023	plugged	plugged	plugged	870.49	NT	870.27	plugged	835.27	871.62	858.56
12/4/2023	plugged	plugged	plugged	868.73	NT	867.72	plugged	828.67	869.7	858.02
6/6/2024	plugged	plugged	plugged	870.44	NT	868.54	plugged	831.87	871.94	860.57
12/4/2024	plugged	plugged	plugged	869.81	NT	869.14	plugged	828.92	870.81	860.67
6/12/2025	plugged	plugged	plugged	870.28	NT	870.56	plugged	833.46	871.49	858.96
12/9/2025	plugged	plugged	plugged	869.49	NT	868.63	plugged	829.99	870.26	860.28

						IOWA COUNTY LANDFILL				
						48-SDP-2-79P				
						WATER ELEVATIONS				
Name	MW-89-7	MW-89-8	MW-89-9	MW-89-10	MW-92-11	MW-92-12	MW-92-13	MW-92-14	MW-92-15	MW-92-16
Alternate Name	MW-7	MW-89-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16
TOP PVC ELEV.	870.24	852.18	819.14	876.58	879.41	879.62	879.5	879.41	798.13	798.4
DATE										798.25
3/1/2012	870.24	852.18	819.14	plugged	872.36	879.62	871.40	870.16	798.13	798.25
6/20/2012	850.59	842.98	819.14	plugged	871.31	868.67	871.00	870.26	790.43	792.45
9/17/2012	847.34	830.88	809.04	plugged	869.16	866.87	869.90	869.16	792.33	793.85
12/15/2012	847.09	830.88	809.04	plugged	868.81	866.32	869.70	869.01	791.73	794.09
6/3/2013	854.04	844.88	811.64	plugged	875.81	869.47	873.60	872.66	793.88	794.60
9/11/2013	849.54	NT	NT	plugged	NT	NT	NT	NT	NT	NT
12/12/2013	846.89	dry	807.24	plugged	867.71	866.37	869.70	869.06	791.38	793.25
6/24/2014	852.54	845.18	811.24	plugged	875.11	867.62	872.90	871.01	795.13	793.95
12/10/2014	849.44	841.93	809.54	plugged	871.31	868.42	871.20	870.46	792.13	794.15
6/4/2015	851.30	842.23	811.69	plugged	869.01	868.57	872.05	871.23	792.96	793.85
12/1/2015	851.69	843.58	811.69	plugged	875.96	868.57	873.94	871.81	795.28	795.80
6/27/2016	850.78	839.87	811.35	plugged	873.08	868.92	871.97	871.08	792.13	793.22
11/30/2016	848.69	841.13	810.87	plugged	870.55	868.02	871.40	870.61	792.93	795.25
6/22/2017	851.88	838.68	811.52	plugged	873.54	869.47	872.22	871.18	791.29	794.21
11/15/2017	847.04	832.93	808.89	plugged	868.83	866.89	870.29	869.51	788.35	793.20
6/18/2018	848.84	833.47	809.92	plugged	869.60	866.96	870.70	869.57	792.73	793.13
11/28/2018	850.97	837.18	811.11	plugged	874.16	869.23	871.84	871.03	792.57	794.99
6/12/2019	855.14	837.18	812.41	plugged	874.82	871.12	873.50	873.05	791.77	794.10
12/5/2019	851.87	837.18	811.39	plugged	873.86	869.57	872.40	871.41	793.84	795.35
6/17/2020	852.65	Broken	811	plugged	873.14	869.69	872.32	871.46	792.09	793.55
12/7/2020	850.01	Broken	810.32	plugged	871.09	867.67	871.27	870.36	791.38	794.35
6/22/2021	852.14	Broken	810.18	plugged	870.91	868.8	871.39	870.66	790.74	792.65
12/2/2021	849.84	Broken	809.73	plugged	869.63	867.08	870.6	869.76	797.01	794.53
6/8/2022	852.34	Broken	810.59	plugged	872.91	868.72	872.01	871.08	790.15	793.15
11/22/2022	846.95	Broken	809.19	plugged	868.57	866.49	870.26	869.39	784.18	791.8
6/6/2023	851.26	Broken	809.19	plugged	870.39	867.71	870.9	870.69	789.37	792.29
12/4/2023	845.26	Broken	807.03	plugged	866.95	865.02	869.01	868.21	784.55	790.88
6/6/2024	851.29	Broken	810.68	plugged	871.52	866.77	871.01	869.85	790.87	793.03
12/4/2024	848.43	Broken	809.75	plugged	868.83	866.62	870.26	869.16	790.48	793.8
6/12/2025	851.36	Broken	810.09	plugged	871.21	868.22	870.67	869.76	789.63	791.8
12/9/2025	846.99	Broken	807.01	plugged	868.04	866.47	869.9	868.97	789.13	792.8

							IOWA COUNTY LANDFILL				
							48-SDP-2-79P				
							WATER ELEVATIONS				
Name	MW-92-17	MW-93-18	MW-93-19	MW-93-20	MW-97-21	MW-97-22	MW-97-23	MW-00-24	MW-01-25	MW-01-26	MW-01-27
Alternate Name	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26	MW-27
TOP PVC ELEV.	798.22	854	875.54	877.58	875.97	872.48	877.33	801.25	865.89	867.60	861.52
DATE											
3/1/2012	798.22	854.00	875.54	877.58	875.97	872.48	877.33	801.25	865.89	867.60	829.27
6/20/2012	795.12	851.20	852.24	862.78	847.27	852.58	865.33	764.80	832.59	838.30	831.27
9/17/2012	794.02	850.50	dry	860.48	843.37	850.18	863.43	764.95	831.69	833.80	826.52
12/15/2012	794.62	850.40	849.74	860.08	843.57	849.78	862.83	765.05	831.39	832.40	825.12
6/3/2013	796.42	851.95	856.44	867.38	854.47	858.78	870.83	765.55	832.49	850.35	829.97
9/11/2013	NT	NT	851.19	NT	NT	NT	NT	NT	NT	NT	NT
12/12/2013	794.52	849.80	dry	859.98	843.67	850.08	862.68	765.85	832.84	832.75	dry
6/24/2014	795.72	851.20	853.74	863.68	853.97	856.78	867.43	765.05	832.44	851.40	826.12
12/10/2014	794.97	851.50	850.54	861.18	845.62	850.78	864.43	765.25	832.84	835.60	826.42
6/4/2015	795.71	851.60	853.09	863.53	849.83	854.22	866.88	764.75	832.04	840.64	827.92
12/1/2015	795.17	851.88	851.64	863.98	849.52	855.83	867.98	764.70	832.89	840.67	826.92
6/27/2016	795.83	851.80	852.30	862.83	847.17	853.00	866.05	764.73	833.69	837.66	829.57
11/30.2016	796.69	851.79	dry	861.17	844.60	850.73	864.23	763.50	832.93	834.93	827.97
6/22/2017	797.11	852.35	853.74	865.07	848.94	854.54	867.62	763.43	832.67	839.64	830.37
11/15/2017	795.42	850.85	dry	860.47	842.87	850.12	863.29	764.73	831.54	833.19	825.27
6/18/2018	796.08	851.32	849.84	860.83	845.90	851.28	863.57	764.60	830.82	833.92	824.89
11/28/2018	795.82	852.29	dry	865.40	847.64	853.73	867.72	765.75	830.57	834.89	824.92
6/12/2019	796.82	853.26	857.68	867.75	855.61	858.80	869.88	767.70	834.39	849.75	833.30
12/5/2019	795.81	852.45	852.77	864.51	848.87	854.37	866.95	767.47	834.60	835.80	830.40
6/17/2020	796.41	852.68	854.26	864.18	848.86	854.82	866.87	767.4	834.34	838.53	831.27
12/7/2020	795.56	851.44	plugged	plugged	plugged	plugged	864.4	767.23	833.14	837.15	827.55
6/22/2021	796.97	851.22	plugged	plugged	plugged	plugged	864.94	767.06	834.14	838.24	831.22
12/2/2021	790.17	850.68	plugged	plugged	plugged	plugged	863.66	766.07	831.94	832.8	828.87
6/8/2022	798.2	851.59	plugged	plugged	plugged	plugged	866.58	766.63	831.89	867.6	831.19
11/22/2022	796.32	850.19	plugged	plugged	plugged	plugged	863.21	765.24	831.34	831.46	824.92
6/6/2023	797.47	850.72	plugged	plugged	plugged	plugged	864.58	766.18	830.97	832.76	827.67
12/4/2023	795.32	849.39	plugged	plugged	plugged	plugged	861.87	763.2	832.81	829.55	825.02
6/6/2024	796.87	851.17	plugged	plugged	plugged	plugged	864.71	762.93	831.91	840.75	825.32
12/4/2024	795.69	850.47	plugged	plugged	plugged	plugged	863.56	763.13	831.66	829.52	824.92
6/12/2025	796.62	851.39	plugged	plugged	plugged	plugged	865.12	762.82	831.54	831.02	828.66
12/9/2025	795.2	850.35	plugged	plugged	plugged	plugged	862.72	763	831.09	829.72	824.92

									IOWA COUNTY LANDFILL					
									48-SDP-2-79P					
									WATER ELEVATIONS					
Name	MW-01-28	MW-01-29	MW-01-30	MW-01-31	MW-01-32	MW-01-33	MW-01-34	MW-01-35	MW-01-36	MW-01-37	MW-12-38	MW-12-39	MW-16-40	MW-12-41
Alternate Name	MW-28	MW-29	MW-30	MW-31	MW-32	MW-33	MW-34	MW-35	MW-36	MW-37	MW-38	MW-39	MW-40	MW-41
TOP PVC ELEV.	780.60	800.39	794.30	792.88	865.70	865.12	869.00	866.80	875.50	875.43	783.84	782.31	777.62	869.26
DATE														
3/1/2012	776.50	770.79	794.30	792.88	865.70	865.12	dry	NT	875.50	875.43	767.64	761.31		852.21
6/20/2012	772.00	770.69	778.50	788.13	835.65	837.12	dry	dry	857.70	850.43	774.84	767.41		849.66
9/17/2012	772.10	767.84	778.30	788.68	835.20	835.92	dry	dry	855.30	849.13	780.84	772.01		845.96
12/15/2012	772.05	768.39	777.40	783.58	835.10	836.12	dry	dry	855.25	848.13	774.24	770.51		847.66
6/3/2013	774.30	771.34	778.10	788.23	dry	844.77	dry	845.20	866.00	850.03	770.64	766.51		858.96
9/11/2013	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		NT
12/12/2013	770.85	766.69	777.55	783.83	dry	838.52	dry	dry	855.90	849.23	773.89	770.06		849.66
6/24/2014	775.60	769.49	NT	788.58	dry	839.17	dry	dry	864.20	849.18	773.24	766.31		855.56
12/10/2014	771.60	768.69	NT	785.78	dry	838.07	dry	dry	856.95	850.23	774.69	769.91		851.61
6/4/2015	772.50	770.09	NT	786.78	dry	839.22	dry	dry	860.30	849.43	772.25	768.01		853.16
12/1/2015	776.60	769.84	NT	789.40	835.70	839.22	dry	dry	866.42	849.80	776.92	771.74		856.96
6/27/2016	773.13	769.39	778.08	786.76	836.35	838.86	dry	dry	857.31	850.85	775.02	771.11		850.85
11/30/2016	772.13	768.49	777.70	787.16	835.95	837.62	dry	dry	856.50	849.48	777.84	773.81	764.47	851.71
6/22/2017	771.87	768.69	778.20	786.84	837.46	838.64	dry	dry	859.94	850.28	774.71	769.10	766.34	852.77
11/15/2017	770.81	765.49	777.34	785.50	835.62	836.07	dry	dry	855.75	848.48	779.12	773.79	765.26	850.21
6/18/2018	771.79	765.64	777.20	785.36	835.15	839.33	dry	dry	856.65	848.70	772.50	768.10	766.40	853.51
11/28/2018	773.34	766.33	777.81	787.10	dry	837.57	dry	dry	860.60	849.42	776.79	772.86	767.01	855.62
6/12/2019	774.27	769.44	779.33	787.66	840.01	845.57	dry	846.47	864.95	852.22	772.22	769.91	766.88	859.59
12/5/2019	774.75	768.44	779.03	787.66	837.07	840.47	dry	dry	859.80	851.43	777.09	772.90	767.62	854.23
6/17/2020	774.25	769.38	779.22	787.38	836.08	839.88	dry	dry	861.77	851.35	773.61	770.93	766.9	856.63
12/7/2020	773.68	766.79	777.89	787.19	835.51	838.52	dry	dry	857.81	849.72	776.24	772.83	767.16	852.46
6/22/2021	772.45	768.39	779.18	787.38	837.25	841.2	dry	dry	860.29	851.37	774.81	771.53	766.27	852.72
12/2/2021	772.84	765.19	777.72	786.63	835.15	837.1	dry	dry	855.82	848.88	778.11	773.86	766.17	850.54
6/8/2022	772.51	767.32			dry	839.86	dry	dry	860.65	849.82	772.97	770.05	766.91	855.01
11/22/2022	772.37	765.09	777.29	786.35	dry	836.07	dry	dry	855.5	848.58	775.18	773.75	764.52	850.04
6/6/2023	776.92	766.49			dry	836.67	dry	dry	856.79	848.94	772.81	769.84	766.61	851.63
12/4/2023	770.65	765.14	767.55	783.83	dry	835.43	dry	dry	854.95	848.52	776.99	772.71	763.56	848.56
6/6/2024	773.19	765.39	763.70	792.88	dry	837.78	dry	dry	858.94	849.48	774.61	769.51	767	855.45
12/4/2024	772.65	765.09	765.00	784.53	dry	836.42	dry	dry	855.6	848.93	plugged	plugged	766.95	851.69
6/12/2025	772.06	765.27	766.61	783.18	dry	838.47	dry	dry	858.61	849.88	plugged	plugged	766.36	853.42
12/9/2025	771.03	765.09	785.67	766.65	dry	835.8	dry	dry	855.2	848.85	plugged	plugged	765.32	849.29

Name	MW-22-42	MW-24-43	MW20-2	MW20-6	MW22-2
Alternate Name	MW-42	MW-43	MW20-2	MW20-6	MW22-2
TOP PVC ELEV	869.55	776.06	873.8	874.09	866.71
DATE					
3/1/2012					
6/20/2012					
9/17/2012					
12/15/2012					
6/3/2013					
9/11/2013					
12/12/2013					
6/24/2014					
12/10/2014					
6/4/2015					
12/1/2015					
6/27/2016					
11/30/2016					
6/22/2017					
11/15/2017					
6/18/2018					
11/28/2018					
6/12/2019					
12/5/2019					
6/17/2020					
12/7/2020					
6/22/2021			857.56	854.69	849.54
12/2/2021			857.27	854.01	848.48
6/8/2022			858.55	855.47	850.35
11/22/2022	847.08		856.95	853.78	847.25
6/6/2023	851.82		857.11	854.33	849.09
12/4/2023	845.24		854.89	850.56	844.95
6/6/2024	852.55		855.84	850.40	850.43
12/4/2024	848.82	750.86	856.98	853.99	848.11
6/12/2025	852.10	752.79	857.45	854.26	849.45
12/9/2025	847.00	757.03	856.09	851.77	845.71

Table 5 – Background and GWPS Summary

Table 5
Background and GWPS Summary
Annual Water Quality Report
Iowa County Sanitary Landfill
Permit No. 48-SDP-02-79P

Interwell Background/(MW-11, MW-13, MW-27, MW-28, and MW-29 (2019 and prior))

Inorganics - Appendix I										
Constituent	Units	Model Type	Samples - N	Detections	Mean	SD	Prediction Limit	Confidence	GWPS	Source
Antimony (Sb)	µg/l	nonparametric	101	0			2.0000	0.99	6	SS
Arsenic (As)	µg/l	nonparametric	100	16			12.6000	0.99	12.6000	Site
Barium (Ba)	µg/l	nonparametric	101	101			960.0000	0.99	2000	SS
Beryllium (Be)	µg/l	nonparametric	101	0			4.0000	0.99	4	SS
Cadmium (Cd)	µg/l	nonparametric	100	27			11.7000	0.99	11.7000	SS
Chromium (Cr)	µg/l	nonparametric	101	0			8.0000	0.99	100	SS
Cobalt (Co)	µg/l	nonparametric	99	39			10.7000	0.99	10.7000	Site
Copper (Cu)	µg/l	nonparametric	101	16			14.3000	0.99	1300	SS
Lead (Pb)	µg/l	nonparametric	101	0			4.0000	0.99	15	SS
Nickel (Ni)	µg/l	nonparametric	100	49			31.8000	0.99	100	SS
Selenium (Se)	µg/l	nonparametric	101	1			4.8000	0.99	50	SS
Silver (Ag)	µg/l	nonparametric	101	0			4.0000	0.99	100	SS
Thallium (Tl)	µg/l	nonparametric	101	0			2.0000	0.99	2	SS
Vanadium (V)	µg/l	nonparametric	101	3			20.0000	0.99	35	SS
Zinc (Zn)	µg/l	nonparametric	101	24			71.9000	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	101	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
Iowa County Sanitary Landfill
Permit No. 48-SDP-02-79P

Well	Constituent	Date	Most recent result (ug/L)	Background Standard (ug/L)	GWPS (ug/L)	Monitoring Program
MW-15	cobalt	6/12/2025	59.2	10.7	10.7	Assessment Monitoring Well
MW 23	1,1-dichloroethane	6/12/2025	3.20	1.0	140	Assessment Monitoring Well
MW 23	1,1-dichloroethane	12/9/2025	5.40	1.0	140	Assessment Monitoring Well
MW 23	chloroethane	6/12/2025	8.80	1.0	2800	Assessment Monitoring Well
MW 23	chloroethane	12/9/2025	12.80	1.0	2800	Assessment Monitoring Well
MW 23	arsenic	6/12/2025	15.00	12.6	12.6	Assessment Monitoring Well
MW 23	copper	12/9/2025	18.80	14.3	1300	Assessment Monitoring Well
MW-41	chromium	12/9/2025	10.30	8.0	100	Assessment Monitoring Well
MW 42	1,1-dichloroethane	6/12/2025	3.60	1.0	140	Assessment Monitoring Well
MW 42	1,1-dichloroethane	12/9/2025	2.50	1.0	140	Assessment Monitoring Well
MW 42	chlorobenzene	6/12/2025	2.20	1.0	100	Assessment Monitoring Well
MW 42	chlorobenzene	12/9/2025	2.70	1.0	100	Assessment Monitoring Well
MW 42	chloroethane	6/12/2025	6.90	1.0	2800	Assessment Monitoring Well
MW 42	chloroethane	12/9/2025	10.00	1.0	2800	Assessment Monitoring Well
MW 42	cis-1,2-DCE	6/12/2025	9.30	1.0	70	Assessment Monitoring Well
MW 42	cis-1,2-DCE	12/9/2025	10.10	1.0	70	Assessment Monitoring Well

Table 7 – Summary of Ongoing and Newly Identified SSI

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Iowa County Sanitary Landfill
Permit No. 48-SDP-02-79P

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	6/25/2014	5.60	10.70	---	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	12/10/2014	1.20	10.70	---	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	6/4/2015	<0.8	10.70	---	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	12/1/2015	<0.8	10.70	---	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	6/27/2016	1.40	10.70	---	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	11/30/2016	<0.8	10.70	---	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	6/22/2017	1.30	10.70	---	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	11/15/2017	3.30	10.70	---	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	6/18/2018	<0.8	10.70	---	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	11/28/2018	<0.8	10.70	---	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	6/12/2019	2.10	10.70	---	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	12/5/2019	<0.8	10.70	---	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	6/17/2020	0.50	10.70	---	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	12/7/2020	<0.4	10.70	---	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	6/22/2021	1.20	10.70	---	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	12/2/2021	2.10	10.70	---	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	6/8/2022	1.30	10.70	---	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	11/22/2022	2.50	10.70	---	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	6/6/2023	51.80	10.70	---	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	8/7/2023	5.50	10.70	---	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	12/4/2023	4.90	10.70	---	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	6/6/2024	23.80	10.70	0.000	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	8/11/2024	10.80	10.70	0.000	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	12/4/2024	2.50	10.70	0.000	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	6/12/2025	59.20	10.70	0.000	10.7	6/25/2014	N/A	12/1/2015
MW-15	cobalt	12/4/2024	2.40	10.70	0.000	10.7	6/25/2014	N/A	12/1/2015

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
Iowa County Sanitary Landfill
Permit No. 48-SDP-02-79P

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 23	1,1-dichloroethane	6/25/2014	4.30	1.00	0.000	140	6/25/2014	N/A	12/1/2015
MW 23	1,1-dichloroethane	12/10/2014	2.40	1.00	0.000	140	6/25/2014	N/A	12/1/2015
MW 23	1,1-dichloroethane	6/4/2015	9.10	1.00	0.507	140	6/25/2014	N/A	12/1/2015
MW 23	1,1-dichloroethane	12/1/2015	1.60	1.00	0.394	140	6/25/2014	N/A	12/1/2015
MW 23	1,1-dichloroethane	6/27/2016	1.60	1.00	0.000	140	6/25/2014	N/A	12/1/2015
MW 23	1,1-dichloroethane	11/30/2016	2.50	1.00	0.000	140	6/25/2014	N/A	12/1/2015
MW 23	1,1-dichloroethane	6/22/2017	1.10	1.00	1.014	140	6/25/2014	N/A	12/1/2015
MW 23	1,1-dichloroethane	11/15/2017	3.10	1.00	1.021	140	6/25/2014	N/A	12/1/2015
MW 23	1,1-dichloroethane	6/18/2018	4.60	1.00	1.119	140	6/25/2014	N/A	12/1/2015
MW 23	1,1-dichloroethane	11/28/2018	1.50	1.00	0.690	140	6/25/2014	N/A	12/1/2015
MW 23	1,1-dichloroethane	6/12/2019	4.20	1.00	1.719	140	6/25/2014	N/A	12/1/2015
MW 23	1,1-dichloroethane	12/5/2019	1.70	1.00	1.086	140	6/25/2014	N/A	12/1/2015
MW 23	1,1-dichloroethane	6/17/2020	<1.0	1.00	0.124	140	6/25/2014	N/A	12/1/2015
MW 23	1,1-dichloroethane	12/7/2020	1.80	1.00	0.226	140	6/25/2014	N/A	12/1/2015
MW 23	1,1-dichloroethane	6/22/2021	1.60	1.00	0.688	140	6/25/2014	N/A	12/1/2015
MW 23	1,1-dichloroethane	12/2/2021	5.60	1.00	0.000	140	6/25/2014	N/A	12/1/2015
MW 23	1,1-dichloroethane	6/8/2022	2.00	1.00	0.507	140	6/25/2014	N/A	12/1/2015
MW 23	1,1-dichloroethane	11/22/2022	6.20	1.00	1.044	140	6/25/2014	N/A	12/1/2015
MW 23	1,1-dichloroethane	6/6/2023	5.00	1.00	2.506	140	6/25/2014	N/A	12/1/2015
MW 23	1,1-dichloroethane	12/4/2023	5.90	1.00	2.518	140	6/25/2014	N/A	12/1/2015
MW 23	1,1-dichloroethane	6/6/2024	5.20	1.00	4.907	140	6/25/2014	N/A	12/1/2015
MW 23	1,1-dichloroethane	12/4/2024	8.40	1.00	4.284	140	6/25/2014	N/A	12/1/2015
MW 23	1,1-dichloroethane	6/12/2025	3.20	1.00	3.150	140	6/25/2014	N/A	12/1/2015
MW 23	1,1-dichloroethane	12/9/2025	5.40	1.00	3.028	140	6/25/2014	N/A	12/1/2015

Table 7
Summary of Ongoing & Newly Identified SSI
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Iowa County Sanitary Landfill
Permit No. 48-SDP-02-79P

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 23	chloroethane	6/25/2014	4.40	1.00	0.576	2800	6/25/2014	N/A	12/1/2015
MW 23	chloroethane	12/10/2014	3.30	1.00	1.072	2800	6/25/2014	N/A	12/1/2015
MW 23	chloroethane	6/4/2015	6.50	1.00	2.258	2800	6/25/2014	N/A	12/1/2015
MW 23	chloroethane	12/1/2015	2.40	1.00	2.071	2800	6/25/2014	N/A	12/1/2015
MW 23	chloroethane	6/27/2016	2.30	1.00	1.309	2800	6/25/2014	N/A	12/1/2015
MW 23	chloroethane	11/30/2016	2.90	1.00	1.172	2800	6/25/2014	N/A	12/1/2015
MW 23	chloroethane	6/22/2017	3.50	1.00	2.128	2800	6/25/2014	N/A	12/1/2015
MW 23	chloroethane	11/15/2017	5.60	1.00	1.886	2800	6/25/2014	N/A	12/1/2015
MW 23	chloroethane	6/18/2018	7.50	1.00	2.407	2800	6/25/2014	N/A	12/1/2015
MW 23	chloroethane	11/28/2018	3.90	1.00	2.977	2800	6/25/2014	N/A	12/1/2015
MW 23	chloroethane	6/12/2019	5.80	1.00	3.969	2800	6/25/2014	N/A	12/1/2015
MW 23	chloroethane	12/5/2019	2.40	1.00	2.286	2800	6/25/2014	N/A	12/1/2015
MW 23	chloroethane	6/17/2020	1.90	1.00	1.438	2800	6/25/2014	N/A	12/1/2015
MW 23	chloroethane	12/7/2020	2.90	1.00	1.193	2800	6/25/2014	N/A	12/1/2015
MW 23	chloroethane	6/22/2021	4.40	1.00	1.629	2800	6/25/2014	N/A	12/1/2015
MW 23	chloroethane	12/2/2021	8.70	1.00	0.948	2800	6/25/2014	N/A	12/1/2015
MW 23	chloroethane	6/8/2022	8.00	1.00	2.711	2800	6/25/2014	N/A	12/1/2015
MW 23	chloroethane	11/22/2022	9.60	1.00	4.994	2800	6/25/2014	N/A	12/1/2015
MW 23	chloroethane	6/6/2023	7.40	1.00	7.312	2800	6/25/2014	N/A	12/1/2015
MW 23	chloroethane	12/4/2023	6.70	1.00	6.470	2800	6/25/2014	N/A	12/1/2015
MW 23	chloroethane	6/6/2024	10.60	1.00	6.422	2800	6/25/2014	N/A	12/1/2015
MW 23	chloroethane	12/4/2024	15.30	1.00	5.389	2800	6/25/2014	N/A	12/1/2015
MW 23	chloroethane	6/12/2025	8.80	1.00	6.039	2800	6/25/2014	N/A	12/1/2015
MW 23	chloroethane	12/9/2025	12.80	1.00	8.571	2800	6/25/2014	N/A	12/1/2015

Table 7
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Iowa County Sanitary Landfill
Permit No. 48-SDP-02-79P

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 23	Arsenic	6/27/2016	<4	18.4	---	12.6*	11/30/2016	N/A	12/1/2015
MW 23	Arsenic	11/30/2016	7.40	7.2	0.952	12.6*	11/30/2016	N/A	12/1/2015
MW 23	Arsenic	6/22/2017	<4	12.6	0.174	12.6*	11/30/2016	N/A	12/1/2015
MW 23	Arsenic	11/15/2017	8.50	12.6	0.900	12.6*	11/30/2016	N/A	12/1/2015
MW 23	Arsenic	6/18/2018	5.70	12.6	2.555	12.6*	11/30/2016	N/A	12/1/2015
MW 23	Arsenic	11/28/2018	<4.0	12.6	0.835	12.6*	11/30/2016	N/A	12/1/2015
MW 23	Arsenic	6/12/2019	15.10	12.6	1.317	12.6*	11/30/2016	N/A	12/1/2015
MW 23	Arsenic	12/5/2019	4.50	12.6	0.087	12.6*	11/30/2016	N/A	12/1/2015
MW 23	Arsenic	6/17/2020	<4.0	12.6	0.000	12.6*	11/30/2016	N/A	12/1/2015
MW 23	Arsenic	12/7/2020	6.80	12.6	0.416	12.6*	11/30/2016	N/A	12/1/2015
MW 23	Arsenic	6/22/2021	28.80	12.6	0.000	12.6*	11/30/2016	N/A	12/1/2015
MW 23	Arsenic	12/2/2021	15.70	12.6	0.000	12.6*	11/30/2016	N/A	12/1/2015
MW 23	Arsenic	6/8/2022	39.00	12.6	5.875	12.6*	11/30/2016	N/A	12/1/2015
MW 23	Arsenic	11/22/2022	12.20	12.6	9.420	12.6*	11/30/2016	N/A	12/1/2015
MW 23	Arsenic	6/6/2023	205.00	12.6	0.000	12.6*	11/30/2016	N/A	12/1/2015
MW 23	Arsenic	12/4/2023	<4	12.6	0.000	12.6*	11/30/2016	N/A	12/1/2015
MW 23	Arsenic	6/6/2024	8.40	12.6	0.000	12.6*	11/30/2016	N/A	12/1/2015
MW 23	Arsenic	12/4/2024	9.00	12.6	0.000	12.6*	11/30/2016	N/A	12/1/2015
MW 23	Arsenic	6/12/2025	15.00	12.6	2.349	12.6*	11/30/2016	N/A	12/1/2015
MW 23	Arsenic	12/9/2025	8.90	12.6	6.646	12.6*	11/30/2016	N/A	12/1/2015

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Permit No. 48-SDP-02-79P

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 23	Copper	6/27/2016	<4.0	14.3	2.000	1,300	6/22/2021	N/A	12/1/2015
MW 23	Copper	11/30/2016	<4.0	14.3	2.000	1,300	6/22/2021	N/A	12/1/2015
MW 23	Copper	6/22/2017	<4.0	14.3	2.000	1,300	6/22/2021	N/A	12/1/2015
MW 23	Copper	9/13/2017	<4.0	14.3	2.000	1,300	6/22/2021	N/A	12/1/2015
MW 23	Copper	11/15/2017	<4.0	14.3	2.000	1,300	6/22/2021	N/A	12/1/2015
MW 23	Copper	6/18/2018	<4.0	14.3	2.000	1,300	6/22/2021	N/A	12/1/2015
MW 23	Copper	11/28/2018	<4.0	14.3	2.000	1,300	6/22/2021	N/A	12/1/2015
MW 23	Copper	3/13/2019	<4.0	14.3	2.000	1,300	6/22/2021	N/A	12/1/2015
MW 23	Copper	6/12/2019	<4.0	14.3	2.000	1,300	6/22/2021	N/A	12/1/2015
MW 23	Copper	12/5/2019	<4.0	14.3	2.000	1,300	6/22/2021	N/A	12/1/2015
MW 23	Copper	6/17/2020	<4.0	14.3	2.000	1,300	6/22/2021	N/A	12/1/2015
MW 23	Copper	12/7/2020	<4.0	14.3	2.000	1,300	6/22/2021	N/A	12/1/2015
MW 23	Copper	6/22/2021	37.80	14.3	0.000	1,300	6/22/2021	N/A	12/1/2015
MW 23	Copper	12/2/2021	<4.0	14.3	0.000	1,300	6/22/2021	N/A	12/1/2015
MW 23	Copper	6/8/2022	25.90	14.3	0.000	1,300	6/22/2021	N/A	12/1/2015
MW 23	Copper	11/22/2022	<4.0	14.3	0.000	1,300	6/22/2021	N/A	12/1/2015
MW 23	Copper	6/6/2023	<4.0	14.3	0.000	1,300	6/22/2021	N/A	12/1/2015
MW 23	Copper	12/4/2023	<4.0	14.3	0.000	1,300	6/22/2021	N/A	12/1/2015
MW 23	Copper	6/6/2024	7.40	14.3	1.012	1,300	6/22/2021	N/A	12/1/2015
MW 23	Copper	12/4/2024	<4.0	14.3	1.012	1,300	6/22/2021	N/A	12/1/2015
MW 23	Copper	6/12/2025	<5.0	14.3	1.012	1,300	6/22/2021	N/A	12/1/2015
MW 23	Copper	12/9/2025	18.80	14.3	0.000	1,300	6/22/2021	N/A	12/1/2015

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Permit No. 48-SDP-02-79P

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 23	Nickel	6/27/2016	21.50	22.0	---	12.6*	11/30/2016	N/A	12/1/2015
MW 23	Nickel	11/30/2016	16.30	22.0	---	100	3/13/2019	N/A	12/1/2015
MW 23	Nickel	6/22/2017	20.80	22.0	16.944	100	3/13/2019	N/A	12/1/2015
MW 23	Nickel	9/13/2017	18.00	22.0	16.944	100	3/13/2019	N/A	12/1/2015
MW 23	Nickel	11/15/2017	15.70	22.0	15.012	100	3/13/2019	N/A	12/1/2015
MW 23	Nickel	6/18/2018	17.70	22.0	15.582	100	3/13/2019	N/A	12/1/2015
MW 23	Nickel	11/28/2018	19.30	22.0	15.924	100	3/13/2019	N/A	12/1/2015
MW 23	Nickel	3/13/2019	26.30	22.0	15.924	100	3/13/2019	N/A	12/1/2015
MW 23	Nickel	6/12/2019	23.90	22.0	17.109	100	3/13/2019	N/A	12/1/2015
MW 23	Nickel	12/5/2019	18.40	22.0	17.556	100	3/13/2019	N/A	12/1/2015
MW 23	Nickel	6/17/2020	18.30	23.3	16.998	100	3/13/2019	N/A	12/1/2015
MW 23	Nickel	12/7/2020	14.00	31.8	13.878	100	3/13/2019	N/A	12/1/2015
MW 23	Nickel	6/22/2021	17.80	31.8	14.655	100	3/13/2019	N/A	12/1/2015
MW 23	Nickel	12/2/2021	14.30	31.8	13.437	100	3/13/2019	N/A	12/1/2015
MW 23	Nickel	6/8/2022	23.30	31.8	12.262	100	3/13/2019	N/A	12/1/2015
MW 23	Nickel	11/22/2022	15.70	31.8	14.351	100	3/13/2019	N/A	12/1/2015
MW 23	Nickel	6/6/2023	23.40	31.8	14.971	100	3/13/2019	N/A	12/1/2015
MW 23	Nickel	12/4/2023	20.70	31.8	17.651	100	3/13/2019	N/A	12/1/2015
MW 23	Nickel	6/6/2024	22.00	31.8	17.651	100	3/13/2019	N/A	12/1/2015
MW 23	Nickel	12/4/2024	21.00	31.8	20.721	100	3/13/2019	N/A	12/1/2015
MW 23	Nickel	6/12/2025	19.60	31.8	19.970	100	3/13/2019	N/A	12/1/2015
MW 23	Nickel	12/9/2025	20.00	31.8	19.790	100	3/13/2019	N/A	12/1/2015

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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Iowa County Sanitary Landfill
Permit No. 48-SDP-02-79P

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 41	Chromium	6/27/2016	<8	8.0	---	100	3/1/2022	N/A	12/13/2017
MW 41	Chromium	11/30/2016	<8	8.0	---	100	3/1/2022	N/A	12/13/2017
MW 41	Chromium	6/22/2017	<8	8.0	---	100	3/1/2022	N/A	12/13/2017
MW 41	Chromium	11/15/2017	9.0*	8.0	---	100	3/1/2022	N/A	12/13/2017
MW 41	Chromium	12/13/2017	<8	8.0	---	100	3/1/2022	N/A	12/13/2017
MW 41	Chromium	6/18/2018	<8	8.0	4.000	100	3/1/2022	N/A	12/13/2017
MW 41	Chromium	11/28/2018	<8	8.0	4.000	100	3/1/2022	N/A	12/13/2017
MW 41	Chromium	6/12/2019	<8	8.0	4.000	100	3/1/2022	N/A	12/13/2017
MW 41	Chromium	12/5/2019	<8	8.0	4.000	100	3/1/2022	N/A	12/13/2017
MW 41	Chromium	6/17/2020	<8	8.0	4.000	100	3/1/2022	N/A	12/13/2017
MW 41	Chromium	12/7/2020	<8	8.0	4.000	100	3/1/2022	N/A	12/13/2017
MW 41	Chromium	6/22/2021	<8	8.0	4.000	100	3/1/2022	N/A	12/13/2017
MW 41	Chromium	12/2/2021	10.20	8.0	2.865	100	3/1/2022	N/A	12/13/2017
MW 41	Chromium	3/1/2022	10.00	8.0	3.999	100	3/1/2022	N/A	12/13/2017
MW 41	Chromium	6/8/2022	<8	8.0	3.999	100	3/1/2022	N/A	12/13/2017
MW 41	Chromium	11/22/2022	11.70	8.0	6.029	100	3/1/2022	N/A	12/13/2017
MW 41	Chromium	6/6/2023	<8	8.0	3.948	100	3/1/2022	N/A	12/13/2017
MW 41	Chromium	12/4/2023	9.00	8.0	2.672	100	3/1/2022	N/A	12/13/2017
MW 41	Chromium	6/6/2024	<8	8.0	2.672	100	3/1/2022	N/A	12/13/2017
MW 41	Chromium	12/4/2024	<8	8.0	3.085	100	3/1/2022	N/A	12/13/2017
MW 41	Chromium	6/12/2025	7.00	8.0	3.085	100	3/1/2022	N/A	12/13/2017
MW 41	Chromium	12/9/2025	10.30	8.0	2.792	100	3/1/2022	N/A	12/13/2017

* =not verified

Table 7
Summary of Ongoing & Newly Identified SSI
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Iowa County Sanitary Landfill
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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 42	1,1-dichloroethane	11/22/2022	<1.00	1.00	---	140	6/6/2023	N/A	12/4/2024
MW 42	1,1-dichloroethane	6/6/2023	1.4	1.00	---	140	6/6/2023	N/A	12/4/2024
MW 42	1,1-dichloroethane	12/4/2023	2.1	1.00	---	140	6/6/2023	N/A	12/4/2024
MW 42	1,1-dichloroethane	6/6/2024	2.0	1.00	0.636	140	6/6/2023	N/A	12/4/2024
MW 42	1,1-dichloroethane	12/4/2024	2.8	1.00	1.400	140	6/6/2023	N/A	12/4/2024
MW 42	1,1-dichloroethane	6/12/2025	3.6	1.00	1.753	140	6/6/2023	N/A	12/4/2024
MW 42	1,1-dichloroethane	12/9/2025	2.5	1.00	1.937	140	6/6/2023	N/A	12/4/2024

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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 42	chlorobenzene	11/22/2022	<1.00	1.00	---	100	6/6/2023	N/A	12/4/2024
MW 42	chlorobenzene	6/6/2023	1.9	1.00	---	100	6/6/2023	N/A	12/4/2024
MW 42	chlorobenzene	12/4/2023	1.3	1.00	---	100	6/6/2023	N/A	12/4/2024
MW 42	chlorobenzene	6/6/2024	1.3	1.00	0.574	100	6/6/2023	N/A	12/4/2024
MW 42	chlorobenzene	12/4/2024	2.5	1.00	1.074	100	6/6/2023	N/A	12/4/2024
MW 42	chlorobenzene	6/12/2025	2.2	1.00	1.098	100	6/6/2023	N/A	12/4/2024
MW 42	chlorobenzene	12/9/2025	2.7	1.00	1.448	100	6/6/2023	N/A	12/4/2024

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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 42	chloroethane	11/22/2022	5.80	1.00	---	2800	11/22/2022	N/A	12/4/2024
MW 42	chloroethane	6/6/2023	7.80	1.00	---	2800	11/22/2022	N/A	12/4/2024
MW 42	chloroethane	12/4/2023	2.60	1.00	---	2800	11/22/2022	N/A	12/4/2024
MW 42	chloroethane	6/6/2024	5.10	1.00	2.800	2800	11/22/2022	N/A	12/4/2024
MW 42	chloroethane	12/4/2024	9.70	1.00	2.647	2800	11/22/2022	N/A	12/4/2024
MW 42	chloroethane	6/12/2025	6.90	1.00	2.556	2800	11/22/2022	N/A	12/4/2024
MW 42	chloroethane	12/9/2025	10.00	1.00	5.167	2800	11/22/2022	N/A	12/4/2024

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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 42	cis-1,2-dichloroethylene	11/22/2022	3.60	1.00	---	70	11/22/2022	N/A	12/4/2024
MW 42	cis-1,2-dichloroethylene	6/6/2023	3.50	1.00	---	70	11/22/2022	N/A	12/4/2024
MW 42	cis-1,2-dichloroethylene	12/4/2023	4.00	1.00	---	70	11/22/2022	N/A	12/4/2024
MW 42	cis-1,2-dichloroethylene	6/6/2024	4.40	1.00	3.391	70	11/22/2022	N/A	12/4/2024
MW 42	cis-1,2-dichloroethylene	12/4/2024	7.20	1.00	2.825	70	11/22/2022	N/A	12/4/2024
MW 42	cis-1,2-dichloroethylene	6/12/2025	9.30	1.00	3.289	70	11/22/2022	N/A	12/4/2024
MW 42	cis-1,2-dichloroethylene	12/9/2025	10.10	1.00	4.755	70	11/22/2022	N/A	12/4/2024

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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 42	arsenic	11/22/2022	<4.00	12.60	---	12.60	---	N/A	12/4/2024
MW 42	arsenic	6/6/2023	16.40*	12.60	---	12.60	---	N/A	12/4/2024
MW 42	arsenic	12/4/2023	<4.00	12.60	---	12.60	---	N/A	12/4/2024
MW 42	arsenic	6/6/2024	<4.00	12.60	0.000	12.60	---	N/A	12/4/2024
MW 42	arsenic	12/4/2024	5.10	12.60	0.000	12.60	---	N/A	12/4/2024
MW 42	arsenic	6/12/2025	<2.0	12.60	0.952	12.60	---	N/A	12/4/2024
MW 42	arsenic	12/9/2025	<2.0	12.60	0.952	12.60	---	N/A	12/4/2024

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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 42	cobalt	11/22/2022	12.70*	10.70	---	10.7	---	N/A	12/4/2024
MW 42	cobalt	6/6/2023	5.70	10.70	---	10.7	---	N/A	12/4/2024
MW 42	cobalt	12/4/2023	5.10	10.70	---	10.7	---	N/A	12/4/2024
MW 42	cobalt	6/6/2024	2.00	10.70	1.061	10.7	---	N/A	12/4/2024
MW 42	cobalt	12/4/2024	2.90	10.70	1.855	10.7	---	N/A	12/4/2024
MW 42	cobalt	6/12/2025	2.70	10.70	1.599	10.7	---	N/A	12/4/2024
MW 42	cobalt	12/9/2025	3.40	10.70	2.067	10.7	---	N/A	12/4/2024

* =not verified

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 – **not required**

Table 9 – Analytical Data Summary

Table 9

Analytical Data Summary for GU-2

Constituents	Units	12/1/2015	6/6/2024
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	<1	<1
1,1-dichloroethylene	ug/L	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<5
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
1,4-dichlorobenzene	ug/L	<1	<1
2-butanone (mek)	ug/L	<5	<10
2-hexanone (mbk)	ug/L	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5
Acetone	ug/L	<10	<10
Acrylonitrile	ug/L	<5	<5
Antimony, total	ug/L	<2	<2
Arsenic, total	ug/L	<4	<4
Barium, total	ug/L	30.7	13.9
Benzene	ug/L	<1	<1
Beryllium, total	ug/L	<4	<4
Bromochloromethane	ug/L	<1	<1
Bromodichloromethane	ug/L	<1	<1
Bromoform	ug/L	<1	<1
Bromomethane	ug/L	<1	<1
Cadmium, total	ug/L	<.8	<.8
Carbon disulfide	ug/L	<1	<1
Carbon tetrachloride	ug/L	<1	<1
Chlorobenzene	ug/L	<1	<1
Chloroethane	ug/L	<1	<1
Chloroform	ug/L	<1	<1
Chloromethane	ug/L	<1	<1
Chromium, total	ug/L	<8	<8
Cis-1,2-dichloroethylene	ug/L	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1
Cobalt, total	ug/L	1.1	5.0
Copper, total	ug/L	6.1	<4.0
Dibromochloromethane	ug/L	<1	<1
Dibromomethane	ug/L	<1	<1
Ethylbenzene	ug/L	<1	<1
Lead, total	ug/L	<4	<4
Methyl iodide	ug/L	<1	<1
Methylene chloride	ug/L	<5	<5
Nickel, total	ug/L	21.2	27.0
Selenium, total	ug/L	<4	<4
Silver, total	ug/L	<4	<4
Styrene	ug/L	<1	<1
Tetrachloroethylene	ug/L	<1	<1
Thallium, total	ug/L	<4	<2
Toluene	ug/L	<1	<1
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
Xylenes, total	ug/L	<2	<2
Zinc, total	ug/L	55.1	<20.0

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

Table 9

Analytical Data Summary for GU-4

Constituents	Units	10/3/2016
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	<1
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
Arsenic, total	ug/L	9.5
Barium, total	ug/L	47
Benzene	ug/L	<1
Beryllium, total	ug/L	<4
Bromochloromethane	ug/L	<1
Bromodichloromethane	ug/L	<1
Bromoform	ug/L	<1
Bromomethane	ug/L	<1
Cadmium, total	ug/L	<8
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
Cis-1,2-dichloroethylene	ug/L	<1
Cis-1,3-dichloropropene	ug/L	<1
Cobalt, total	ug/L	30.5
Copper, total	ug/L	<4
Dibromochloromethane	ug/L	<1
Dibromomethane	ug/L	<1
Ethylbenzene	ug/L	<1
Lead, total	ug/L	<4
Methyl iodide	ug/L	<1
Methylene chloride	ug/L	<5
Nickel, total	ug/L	65.1
Selenium, total	ug/L	<4
Silver, total	ug/L	<4
Styrene	ug/L	<1
Tetrachloroethylene	ug/L	<1
Thallium, total	ug/L	<4
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
Vinyl acetate	ug/L	<5
Vinyl chloride	ug/L	<1
Xylenes, total	ug/L	<2
Zinc, total	ug/L	<8

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

Table 9

Analytical Data Summary for GU-5

Constituents	Units	10/3/2016	6/6/2024
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	<1	<1
1,1-dichloroethylene	ug/L	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<5
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
1,4-dichlorobenzene	ug/L	<1	<1
2-butanone (mek)	ug/L	<5	<10
2-hexanone (mbk)	ug/L	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5
Acetone	ug/L	<10	<10
Acrylonitrile	ug/L	<5	<5
Antimony, total	ug/L	<2	<2
Arsenic, total	ug/L	<4.0	13.6
Barium, total	ug/L	37.1	141.0
Benzene	ug/L	<1	1
Beryllium, total	ug/L	<4	<4
Bromochloromethane	ug/L	<1	<1
Bromodichloromethane	ug/L	<1	<1
Bromoform	ug/L	<1	<1
Bromomethane	ug/L	<1	<1
Cadmium, total	ug/L	<.8	<.8
Carbon disulfide	ug/L	<1	<1
Carbon tetrachloride	ug/L	<1	<1
Chlorobenzene	ug/L	<1	<1
Chloroethane	ug/L	<1	<1
Chloroform	ug/L	<1	<1
Chloromethane	ug/L	<1	<1
Chromium, total	ug/L	<8	<8
Cis-1,2-dichloroethylene	ug/L	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1
Cobalt, total	ug/L	<.8	17.2
Copper, total	ug/L	<4	<4
Dibromochloromethane	ug/L	<1	<1
Dibromomethane	ug/L	<1	<1
Ethylbenzene	ug/L	<1	<1
Lead, total	ug/L	<4	<4
Methyl iodide	ug/L	<1	<1
Methylene chloride	ug/L	<5	<5
Nickel, total	ug/L	28.5	29.1
Selenium, total	ug/L	<4	<4
Silver, total	ug/L	<4	<4
Styrene	ug/L	<1	<1
Tetrachloroethylene	ug/L	<1	<1
Thallium, total	ug/L	<4	<2
Toluene	ug/L	<1	<1
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
Xylenes, total	ug/L	<2.0	3.8
Zinc, total	ug/L	<8	<20

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

Table 9

Analytical Data Summary for GU-6

Constituents	Units	8/8/2024	8/22/2024	9/12/2024	12/4/2024	6/12/2025	12/9/2025
1,1,1,2-tetrachloroethane	ug/L				<1	<1	<1
1,1,1-trichloroethane	ug/L				<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L				<1	<1	<1
1,1,2-trichloroethane	ug/L				<1	<1	<1
1,1-dichloroethane	ug/L				<1	<1	<1
1,1-dichloroethylene	ug/L				<1	<1	<1
1,2,3-trichloropropane	ug/L				<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L				<5	<5	<5
1,2-dibromoethane	ug/L				<1	<1	<1
1,2-dichlorobenzene	ug/L				<1	<1	<1
1,2-dichloroethane	ug/L				<1	<1	<1
1,2-dichloropropane	ug/L				<1	<1	<1
1,4-dichlorobenzene	ug/L				<1	<1	<1
2-butanone (mek)	ug/L				<10	<10	<10
2-hexanone (mbk)	ug/L				<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L				<5	<5	<5
Acetone	ug/L				<10	<10	<10
Acrylonitrile	ug/L				<5	<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<1	<1
Arsenic, total	ug/L	<4.0	<4.0	<4.0	7.2	<2.0	<2.0
Barium, total	ug/L	67.8	62.7	17.5	38.1	80.3	71.3
Benzene	ug/L				<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<5	<5
Bromochloromethane	ug/L				<1	<1	<1
Bromodichloromethane	ug/L				<1	<1	<1
Bromoform	ug/L				<1	<1	<1
Bromomethane	ug/L				<1	<1	<1
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.2	.2
Carbon disulfide	ug/L				<1	<1	<1
Carbon tetrachloride	ug/L				<1	<1	<1
Chlorobenzene	ug/L				<1	<1	<1
Chloroethane	ug/L				<1	<1	<1
Chloroform	ug/L				<1	<1	<1
Chloromethane	ug/L				<1	<1	<1
Chromium, total	ug/L	<8	<8	<8	<8	<1	<1
Cis-1,2-dichloroethylene	ug/L				<1	<1	<1
Cis-1,3-dichloropropene	ug/L				<1	<1	<1
Cobalt, total	ug/L	7.0	3.9	1.1	<4	1.9	<.5
Copper, total	ug/L	<4	<4	<4	<4	<5	<5
Dibromochloromethane	ug/L				<1	<1	<1
Dibromomethane	ug/L				<1	<1	<1
Ethylbenzene	ug/L				<1	<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<1	<1
Methyl iodide	ug/L				<1	<1	<1
Methylene chloride	ug/L				<5	<5	<5
Nickel, total	ug/L	26.9	19.9	<4.0	4.3	12.9	5.9
Selenium, total	ug/L	<4	<4	<4	<4	<2	<2
Silver, total	ug/L	<4	<4	<4	<4	<5	<5
Styrene	ug/L				<1	<1	<1
Tetrachloroethylene	ug/L				<1	<1	<1
Thallium, total	ug/L	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Toluene	ug/L				<1	<1	<1
Trans-1,2-dichloroethylene	ug/L				<1	<1	<1
Trans-1,3-dichloropropene	ug/L				<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L				<5	<5	<5
Trichloroethylene	ug/L				<1	<1	<1
Trichlorofluoromethane	ug/L				<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<2	<2
Vinyl acetate	ug/L				<5	<5	<5
Vinyl chloride	ug/L				<1	<1	<1
Xylenes, total	ug/L				<2	<2	<2
Zinc, total	ug/L	<20.0	<20.0	<20.0	<20.0	9.6	8.7

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

Table 9

Analytical Data Summary for MW-11

Constituents	Units	12/10/2014	3/4/2015	6/4/2015	9/1/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	11/15/2017
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	6.1	<4.0	<4.0	6.4	<4.0	7.2	<4.0	12.6	<4.0
Barium, total	ug/L	243	189	350	455	149	522	166	960	148
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	.8	<.8	.9	.8	<.8	<.8	.8	1.4	.9
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	<4.0	5.5	<4.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	734								
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	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<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	<8.0	<8.0	<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-11

Constituents	6/18/2018	11/28/2018	6/12/2019	12/5/2019	6/17/2020	12/7/2020	6/22/2021	12/2/2021	6/8/2022
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	7.0	4.7	4.2	4.4	<4.0	<4.0	<4.0	<4.0	6.9
Barium, total	320	398	461	739	354	200	284	127	240
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	1.1	<.8	<.8	2.3	.9	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	1.9	1.0	1.0	1.1	.7	<.4	.9	.8	1.5
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	6.2
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	4.3	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Selenium, total	<8	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<8	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20.0	<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	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	20.3

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

Table 9

Analytical Data Summary for MW-11

Constituents	11/22/2022	6/6/2023	12/4/2023	6/6/2024	12/4/2024	6/12/2025	12/9/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<1	<1
Arsenic, total	<4.0	6.3	4.7	34.4	8.2	7.8	6.6
Barium, total	165	314	166	177	118	137	245
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	1.9	<8	<8	<8	2.3	.2	1.3
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	1.1	1.9
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	2.9	2.9	1.0	29.8	1.6	4.4	.5
Copper, total	<4.0	<4.0	<4.0	5.7	<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	4.1	<4.0	29.0	<4.0	5.4	<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	<20.0	<20.0	<20.0	<20.0	<20.0	4.0	3.6
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	22.5	<20.0	71.9	<20.0	18.0	9.8

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

Table 9

Analytical Data Summary for MW-13

Constituents	Units	12/10/2014	3/4/2015	6/4/2015	9/1/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	11/15/2017
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	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	102.0	117.0	119.0	89.4	90.1	87.2	96.2	85.6	91.5
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.8	<.8	.8	<.8	.9	<.8	<.8	<.8	<.8
Copper, total	ug/L	4.9	<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	11.9	14.0	15.5	9.1	9.6	9.7	8.8	5.2	9.9
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	362								
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	<8.0	<8.0	12.7	<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-13

Constituents	6/18/2018	11/28/2018	6/12/2019	12/5/2019	6/17/2020	12/7/2020	6/22/2021	12/2/2021	6/8/2022
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	93.9	127.0	91.9	139.0	82.9	119.0	90.3	119.0	106.0
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	1.5	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	<.8	<.8	<.8	<.4	<.4	<.4	.6	<.4
Copper, total	<4.0	5.3	<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	9.1	16.0	6.0	13.7	5.7	13.5	6.1	15.2	7.5
Selenium, total	<8	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<8	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<8.0	<20.0	<20.0	<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-13

Constituents	11/22/2022	6/6/2023	12/4/2023	6/6/2024	12/4/2024	6/12/2025	12/10/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<1	<1
Arsenic, total	<4	<4	<4	<4	<4	<2	<2
Barium, total	125.0	136.0	123.0	97.3	102.0	88.7	107.0
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	.4	.6
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	1.0	2.2
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	.5	1.4	<.4	.4	<.4	<.5	1.0
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<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	16.3	7.8	16.9	16.9	16.7	10.2	16.2
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	13.4	10.2

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

Table 9

Analytical Data Summary for MW-15

Constituents	Units	12/10/2014	6/4/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	9/13/2017	11/15/2017
(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	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	<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
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-15

Constituents	6/18/2018	11/28/2018	6/12/2019	9/11/2019	12/5/2019	6/17/2020	9/1/2020	12/7/2020	6/22/2021
(3,4)-methylphenol									
1,1,1,2-tetrachloroethane	<1	<1	<1		<1	<1		<1	<1
1,1,1-trichloroethane	<1	<1	<1		<1	<1		<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1		<1	<1		<1	<1
1,1,2-trichloroethane	<1	<1	<1		<1	<1		<1	<1
1,1-dichloroethane	<1	<1	<1		<1	<1		<1	<1
1,1-dichloroethylene	<1	<1	<1		<1	<1		<1	<1
1,1-dichloropropene									
1,2,3-trichloropropane	<1	<1	<1		<1	<1		<1	<1
1,2,4,5-tetrachlorobenzene									
1,2,4-trichlorobenzene									
1,2-dibromo-3-chloropropane	<1	<1	<1		<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									
1,3,5-trinitrobenzene									
1,3-dichlorobenzene									
1,3-dichloropropane									
1,3-dinitrobenzene									
1,4-dichlorobenzene	<1	<1	<1		<1	<1		<1	<1
1,4-naphthoquinone									
1,4-phenylenediamine									
1-naphthylamine									
2,2-dichloropropane									
2,3,4,6-tetrachlorophenol									
2,4,5-t									
2,4,5-tp (silvex)									
2,4,5-trichlorophenol									
2,4,6-trichlorophenol									
2,4-d									
2,4-dichlorophenol									
2,4-dimethylphenol									
2,4-dinitrophenol									
2,4-dinitrotoluene									
2,6-dichlorophenol									
2,6-dinitrotoluene									
2-acetylaminofluorene									
2-butanone (mek)	<5	<5	<5		<5	<5		<5	<5
2-chloronaphthalene									
2-chlorophenol									
2-hexanone (mbk)	<5	<5	<5		<5	<5		<5	<5
2-methylnaphthalene									
2-methylphenol									
2-naphthylamine									
2-nitroaniline									
2-nitrophenol									
3,3'-dichlorobenzidine									
3,3'-dimethylbenzidine									
3-methylcholanthrene									
3-nitroaniline									
4,4'-ddd									
4,4'-dde									
4,4'-ddt									
4,6-dinitro-2-methylphenol									
4-aminobiphenyl									
4-bromophenyl phenyl ether									
4-chloro-3-methylphenol									
4-chloroaniline									
4-chlorophenyl phenyl ether									
4-methyl-2-pentanone (mibk)	<5	<5	<5		<5	<5		<5	<5
4-nitroaniline									
4-nitrophenol									
5-nitro-o-toluidine									
7,12-dimethylbenz(a)anthracene									
Acenaphthene									
Acenaphthylene									
Acetone	<10	<10	<10		<10	<10		<10	<10
Acetonitrile									
Acetophenone									
Acrolein									
Acrylonitrile	<5	<5	<5		<5	<5		<5	<5
Aldrin									
Allyl chloride									
Alpha-bhc									
Anthracene									

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

Table 9

Analytical Data Summary for MW-15

Constituents	12/2/2021	6/8/2022	11/22/2022	6/6/2023	8/7/2023	12/4/2023	6/6/2024	8/11/2024	12/4/2024
(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	<5		<1
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									<8
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									<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)	<10	<10	<10	<10		<10	<10		<5
2-chloronaphthalene									<8
2-chlorophenol									<8
2-hexanone (mbk)	<5	<5	<5	<5		<5	<5		<5
2-methylnaphthalene									<8
2-methylphenol									<8
2-naphthylamine									<8
2-nitroaniline									<8
2-nitrophenol									<8
3,3'-dichlorobenzidine									<8
3,3'-dimethylbenzidine									<8
3-methylcholanthrene									<8
3-nitroaniline									<8
4,4'-ddd									<05
4,4'-dde									<05
4,4'-ddt									<05
4,6-dinitro-2-methylphenol									<8
4-aminobiphenyl									<8
4-bromophenyl phenyl ether									<8
4-chloro-3-methylphenol									<8
4-chloroaniline									<8
4-chlorophenyl phenyl ether									<8
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5		<5	<5		<5
4-nitroaniline									<8
4-nitrophenol									<8
5-nitro-o-toluidine									<8
7,12-dimethylbenz(a)anthracene									<8
Acenaphthene									<8
Acenaphthylene									<8
Acetone	<10	<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
Anthracene									<8

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

Table 9

Analytical Data Summary for MW-15

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

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

Table 9

Analytical Data Summary for MW-15

Constituents	Units	12/10/2014	6/4/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	9/13/2017	11/15/2017
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	8.0	<4.0	<4.0	9.3	<4.0	52.2	4.2	10.6
Azobenzene	ug/L								
Barium, total	ug/L	61.0	73.8	58.9	72.0	58.7	98.4		60.6
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	3.3	<.8	<.8	<.8	1.2	<.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	1.2	<.8	<.8	1.4	<.8	1.3		3.3
Copper, total	ug/L	<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
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 MW-15

Constituents	6/18/2018	11/28/2018	6/12/2019	9/11/2019	12/5/2019	6/17/2020	9/1/2020	12/7/2020	6/22/2021
Antimony, total	<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	16.4	5.0	<4.0	13.2	<4.0	5.7	6.5
Azobenzene									
Barium, total	54.9	43.2	61.0		41.7	46.9		43.2	59.6
Benzene	<1	<1	<1		<1	<1		<1	<1
Benzo(a)anthracene									
Benzo(a)pyrene									
Benzo(b)fluoranthene									
Benzo(g,h,i)perylene									
Benzo(k)fluoranthene									
Benzyl alcohol									
Beryllium, total	<4.0	<4.0	<4.0		<4.0	<4.0		<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
Bromodichloromethane	<1	<1	<1		<1	<1		<1	<1
Bromoform	<1	<1	<1		<1	<1		<1	<1
Bromomethane	<1	<1	<1		<1	<1		<1	<1
Butyl benzyl phthalate									
Cadmium, total	<.8	<.8	<.8		<.8	<.8		<.8	<.8
Carbon disulfide	<1	<1	<1		<1	<1		<1	<1
Carbon tetrachloride	<1	<1	<1		<1	<1		<1	<1
Chlordane									
Chlorobenzene	<1	<1	<1		<1	<1		<1	<1
Chlorobenzilate									
Chloroethane	<1	<1	<1		<1	<1		<1	<1
Chloroform	<1	<1	<1		<1	<1		<1	<1
Chloromethane	<1	<1	<1		<1	<1		<1	<1
Chloroprene									
Chromium, total	<8	<8	<8		<8	<8		<8	<8
Chrysene									
Cis-1,2-dichloroethylene	<1	<1	<1		<1	<1		<1	<1
Cis-1,3-dichloropropene	<1	<1	<1		<1	<1		<1	<1
Cobalt, total	<.8	<.8	2.1		<.8	.5		<.4	1.2
Copper, total	<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
Dibromomethane	<1	<1	<1		<1	<1		<1	<1
Dichlorodifluoromethane									
Dieldrin									
Diethyl phthalate									
Dimethoate									
Dimethylphthalate									
Di-n-butyl phthalate									
Di-n-octyl phthalate									
Dinoseb									
Diphenylamine									
Disulfoton									
Endosulfan i									
Endosulfan ii									
Endosulfan sulfate									
Endrin									
Endrin aldehyde									
Ethyl methacrylate									
Ethyl methanesulfonate									
Ethylbenzene	<1	<1	<1		<1	<1		<1	<1
Famphur									
Fluoranthene									
Fluorene									
Gamma-bhc (lindane)									
Heptachlor									
Heptachlor epoxide									
Hexachlorobenzene									

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

Table 9

Analytical Data Summary for MW-15

Constituents	12/2/2021	6/8/2022	11/22/2022	6/6/2023	8/7/2023	12/4/2023	6/6/2024	8/11/2024	12/4/2024
Antimony, total	<2	<2	<2	<2		<2	<2		<2
Arochlor 1016									<2
Arochlor 1221									<2
Arochlor 1232									<2
Arochlor 1242									<2
Arochlor 1248									<2
Arochlor 1254									<2
Arochlor 1260									<2
Arsenic, total	5.2	<4.0	5.8	14.3	12.5	7.7	<4.0		5.9
Azobenzene									<8
Barium, total	51.4	49.3	62.1	45.8		49.4	26.1		30.0
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	<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
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	<.8		<.8
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		<8	<8		<8
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	1.3	2.5	51.8	5.5	4.9	23.8	10.8	2.5
Copper, total	<4.0	<4.0	<4.0	<4.0		<4.0	4.3		<4.0
Cyanide, total									<.01
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
Hexachlorobenzene									<.05

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

Table 9

Analytical Data Summary for MW-15

Constituents	6/12/2025	12/9/2025
Antimony, total	<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	5.4	5.5
Azobenzene		<8
Barium, total	43.4	38.0
Benzene	<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	<.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
Bromodichloromethane	<1	<1
Bromoform	<1	<1
Bromomethane	<1	<1
Butyl benzyl phthalate		<8
Cadmium, total	1.1	.5
Carbon disulfide	<1	<1
Carbon tetrachloride	<1	<1
Chlordane		<.1
Chlorobenzene	<1	<1
Chlorobenzilate		<8
Chloroethane	<1	<1
Chloroform	<1	<1
Chloromethane	<1	<1
Chloroprene		<1
Chromium, total	<1	<1
Chrysene		<8
Cis-1,2-dichloroethylene	<1	<1
Cis-1,3-dichloropropene	<1	<1
Cobalt, total	59.2	2.4
Copper, total	<5.0	<5.0
Cyanide, total		<.01
Delta-bhc		<.05
Diallate		<8
Dibenzo(a,h)anthracene		<8
Dibenzofuran		<8
Dibromochloromethane	<1	<1
Dibromomethane	<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
Famphur		<.4
Fluoranthene		<8
Fluorene		<8
Gamma-bhc (lindane)		<.05
Heptachlor		<.05
Heptachlor epoxide		<.05
Hexachlorobenzene		<.05

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

Table 9

Analytical Data Summary for MW-15

Constituents	Units	12/10/2014	6/4/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	9/13/2017	11/15/2017
Hexachlorobutadiene	ug/L								
Hexachlorocyclopentadiene	ug/L								
Hexachloroethane	ug/L								
Hexachloropropene	ug/L								
Indeno(1,2,3-cd)pyrene	ug/L								
Isobutanol	mg/L								
Isodrin	ug/L								
Isophorone	ug/L								
Isosafrole	ug/L								
Kepone	ug/L								
Lead, total	ug/L	<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
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	4.1	<4.0	<8.0	<4.0	<4.0	4.8		8.3
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	<4	<4	<4	<4	<4		<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4		<4
Solids, total suspended	mg/L	30							
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	<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-15

Constituents	6/18/2018	11/28/2018	6/12/2019	9/11/2019	12/5/2019	6/17/2020	9/1/2020	12/7/2020	6/22/2021
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno(1,2,3-cd)pyrene									
Isobutanol									
Isodrin									
Isophorone									
Isosafrole									
Kepone									
Lead, total	<4	<4	<4		<4	<4		<4	<4
Mercury, total									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl iodide	<1	<1	<1		<1	<1		<1	<1
Methyl methacrylate									
Methyl methanesulfonate									
Methyl parathion									
Methylene chloride	<5	<5	<5		<5	<5		<5	<5
Naphthalene									
Nickel, total	<4.0	<4.0	4.2		<4.0	<4.0		<4.0	4.9
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	<8	<4	<4		<4	<4		<4	<4
Silver, total	<4	<4	<8		<4	<4		<4	<4
Solids, total suspended									
Styrene	<1	<1	<1		<1	<1		<1	<1
Sulfide, total									
Tetrachloroethylene	<1	<1	<1		<1	<1		<1	<1
Thallium, total	<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
Toxaphene									
Trans-1,2-dichloroethylene	<1	<1	<1		<1	<1		<1	<1
Trans-1,3-dichloropropene	<1	<1	<1		<1	<1		<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5		<5	<5		<5	<5
Trichloroethylene	<1	<1	<1		<1	<1		<1	<1
Trichlorofluoromethane	<1	<1	<1		<1	<1		<1	<1
Vanadium, total	<20	<20	<20		<20	<20		<20	<20
Vinyl acetate	<5	<5	<5		<5	<5		<5	<5
Vinyl chloride	<1	<1	<1		<1	<1		<1	<1
Xylenes, total	<2	<2	<2		<2	<2		<2	<2
Zinc, total	<8.0	<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	12/2/2021	6/8/2022	11/22/2022	6/6/2023	8/7/2023	12/4/2023	6/6/2024	8/11/2024	12/4/2024
Hexachlorobutadiene									<8
Hexachlorocyclopentadiene									<8
Hexachloroethane									<8
Hexachloropropene									<8
Indeno(1,2,3-cd)pyrene									<8
Isobutanol									<1
Isodrin									<8
Isophorone									<8
Isosafrole									<8
Kepone									<8
Lead, total	<4	<4	<4	<4		<4	<4		<4
Mercury, total									<5
Methacrylonitrile									<1
Methapyrilene									<8
Methoxychlor									<.05
Methyl iodide	<1	<1	<1	<1		<1	<1		<2
Methyl methacrylate									<1
Methyl methanesulfonate									<8
Methyl parathion									<4
Methylene chloride	<5	<5	<5	<5		<5	<5		<5
Naphthalene									<8
Nickel, total	6.5	5.5	6.0	12.6		8.5	17.4		8.4
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		<4	<4		<4
Silver, total	<4	<4	<4	<4		<4	<4		<4
Solids, total suspended									
Styrene	<1	<1	<1	<1		<1	<1		<1
Sulfide, total									<.10
Tetrachloroethylene	<1	<1	<1	<1		<1	<1		<1
Thallium, total	<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
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	<20		<20
Vinyl acetate	<5	<5	<5	<5		<5	<5		<5
Vinyl chloride	<1	<1	<1	<1		<1	<1		<1
Xylenes, total	<2	<2	<2	<2		<2	<2		<2
Zinc, total	<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-15

Constituents	6/12/2025	12/9/2025
Hexachlorobutadiene		<8
Hexachlorocyclopentadiene		<8
Hexachloroethane		<8
Hexachloropropene		<8
Indeno(1,2,3-cd)pyrene		<8
Isobutanol		<1
Isodrin		<8
Isophorone		<8
Isosafrole		<8
Kepone		<8
Lead, total	<1	<1
Mercury, total		<.5
Methacrylonitrile		<1
Methapyrilene		<8
Methoxychlor		<.05
Methyl iodide	<1	<2
Methyl methacrylate		<1
Methyl methanesulfonate		<8
Methyl parathion		<.4
Methylene chloride	<5	<5
Naphthalene		<8
Nickel, total	13.6	7.6
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	<2	<2
Silver, total	<5	<5
Solids, total suspended		
Styrene	<1	<1
Sulfide, total		.32
Tetrachloroethylene	<1	<1
Thallium, total	<.5	<.5
Thionazin		<.4
Tin, total		<5
Toluene	<1	<1
Toxaphene		<.2
Trans-1,2-dichloroethylene	<1	<1
Trans-1,3-dichloropropene	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5
Trichloroethylene	<1	<1
Trichlorofluoromethane	<1	<1
Vanadium, total	<2	<2
Vinyl acetate	<5	<5
Vinyl chloride	<1	<1
Xylenes, total	<2	<2
Zinc, total	17.4	7.0

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

Table 9

Analytical Data Summary for MW-16

Constituents	Units	12/10/2014	6/4/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	11/15/2017	6/18/2018
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Barium, total	ug/L	33.1	41.8	31.6	37.5	42.3	34.7	35.2	36.5
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	1.0	<.8	<.8	.9	<.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	2.4	<.8	<.8	1.9	<.8	<.8	<.8
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	<4.0	25.9	<8.0	4.5	8.7	<4.0	7.6	5.3
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<8
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	6							
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<8.0	10.2	<8.0	<8.0	<8.0	<8.0	<8.0	10.5

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

Table 9

Analytical Data Summary for MW-16

Constituents	11/28/2018	6/12/2019	12/5/2019	6/17/2020	12/7/2020	6/22/2021	12/2/2021	6/8/2022	11/22/2022
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1	<1	<1	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Barium, total	33.7	36.5	40.5	35.6	32.9	33.2	38.2	36.2	33.5
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<8	<8	<8	<8	<8	<8	<8	<8	<8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8	<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	1.3	2.2	<4	1.0	1.3	1.9	2.8
Copper, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	5.3	7.6	6.7	9.1	4.1	9.1	5.7	10.3	5.8
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	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<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-16

Constituents	6/6/2023	12/4/2023	6/6/2024	12/4/2024	6/12/2025	12/9/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<1	<1
Arsenic, total	<4.0	<4.0	<4.0	5.3	<2.0	<2.0
Barium, total	38.3	31.9	37.0	33.4	34.4	39.7
Benzene	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<.5	<.5
Bromochloromethane	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	1.0	.3
Carbon disulfide	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1
Chromium, total	<8	<8	<8	<8	<1	<1
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Cobalt, total	1.5	.7	1.0	1.4	<.5	1.7
Copper, total	<4	<4	<4	<4	<5	<5
Dibromochloromethane	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<1	<1
Methyl iodide	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5
Nickel, total	11.4	7.9	11.4	6.9	6.6	8.1
Selenium, total	<4	<4	<4	<4	<2	<2
Silver, total	<4	<4	<4	<4	<5	<5
Solids, total suspended						
Styrene	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Toluene	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<2	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	16.5	5.3

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

Table 9

Analytical Data Summary for MW-18

Constituents	Units	12/10/2014	6/4/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	11/15/2017	6/18/2018
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	276	308	331	233	293	269	311	308
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	1.0	<.8	.9	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Copper, total	ug/L	<4	<4	<4	<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	<4	<4	<4	<4	<4	<4	<4	<4
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	102							
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<8.0	<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-18

Constituents	11/28/2018	6/12/2019	12/5/2019	3/2/2020	6/17/2020	12/7/2020	6/22/2021	12/2/2021	6/8/2022
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	<10	<10
2-hexanone (mbk)	<5	<5	<5		<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5		<5	<5	<5	<5	<5
Acetone	<10	<10	<10		<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5		<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2		<2	<2	<2	<2	<2
Arsenic, total	<4	<4	<4		<4	<4	<4	<4	<4
Barium, total	293	218	297		257	323	247	308	286
Benzene	<1	<1	<1		<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	<1	<1	<1		<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1		<1	<1	<1	<1	<1
Bromoform	<1	<1	<1		<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1		<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8		<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1		<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1		<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1		<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1		<1	<1	<1	<1	<1
Chloroform	<1	<1	<1		<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1		<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0		<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	<1	<1	<1		<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1		<1	<1	<1	<1	<1
Cobalt, total	<.8	<.8	<.8		<.4	<.4	<.4	.6	.5
Copper, total	<4	<4	<4		<4	<4	<4	<4	<4
Dibromochloromethane	<1	<1	<1		<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1		<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1		<1	<1	<1	<1	<1
Lead, total	<4	<4	<4		<4	<4	<4	<4	<4
Methyl iodide	<1	<1	<1		<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5		<5	<5	<5	<5	<5
Nickel, total	<4	<4	<4		<4	<4	<4	<4	<4
Selenium, total	<4	<4	<4		<4	<4	<4	<4	<4
Silver, total	<4	<8	<4		<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1		<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1		<1	<1	<1	<1	<1
Thallium, total	<4.0	<2.0	<2.0		<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	<1	<1	<1		<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1		<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1		<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5		<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1		<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1		<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20		<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5		<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1		<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2		<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	63.6	<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-18

Constituents	11/22/2022	6/6/2023	12/4/2023	6/6/2024	12/4/2024	6/12/2025	12/9/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<1	<1
Arsenic, total	<4	<4	<4	<4	<4	<2	<2
Barium, total	297	289	302	256	155	270	315
Benzene	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.2	.4
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<1.0	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	<.4	1.0	<.4	<.4	<.4	<.5	<.5
Copper, total	<4	<4	<4	<4	<4	<5	<5
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<1	<1
Methyl iodide	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4	<4	<4	<4	<4	<5	<5
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	7.4

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

Table 9

Analytical Data Summary for MW-19

Constituents	Units	6/4/2015	9/1/2015	12/1/2015	6/27/2016	6/22/2017	6/12/2019	12/5/2019	6/17/2020
(3,4)-methylphenol	ug/L	<8							<12
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	1.7		1.6	2.6	1.4	2.0	3.4	4.6
1,1-dichloroethylene	ug/L	<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
1,2,4,5-tetrachlorobenzene	ug/L	<8							<12
1,2,4-trichlorobenzene	ug/L	<1							<1
1,2-dibromo-3-chloropropane	ug/L	<1		<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1		<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1		<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1		<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1		<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L	<8							<12
1,3,5-trinitrobenzene	ug/L	<8							<12
1,3-dichlorobenzene	ug/L	<1							<1
1,3-dichloropropane	ug/L	<1							<1
1,3-dinitrobenzene	ug/L	<8							<12
1,4-dichlorobenzene	ug/L	<1.0		<1.0	<1.0	1.3	<1.0	<1.0	1.0
1,4-naphthoquinone	ug/L	<8							<12
1,4-phenylenediamine	ug/L	<8							<12
1-naphthylamine	ug/L	<8							<12
2,2-dichloropropane	ug/L	<1							<1
2,3,4,6-tetrachlorophenol	ug/L	<8							<12
2,4,5-t	ug/L	<5							<5
2,4,5-tp (silvex)	ug/L	<5							<5
2,4,5-trichlorophenol	ug/L	<8							<12
2,4,6-trichlorophenol	ug/L	<8							<12
2,4-d	ug/L	<2							<2
2,4-dichlorophenol	ug/L	<8							<12
2,4-dimethylphenol	ug/L	<8							<12
2,4-dinitrophenol	ug/L	<8							<12
2,4-dinitrotoluene	ug/L	<8							<12
2,6-dichlorophenol	ug/L	<8							<12
2,6-dinitrotoluene	ug/L	<8							<12
2-acetylaminofluorene	ug/L	<8							<12
2-butanone (mek)	ug/L	<5		<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L	<8							<12
2-chlorophenol	ug/L	<8							<12
2-hexanone (mbk)	ug/L	<5		<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L	<8							<12
2-methylphenol	ug/L	<8							<12
2-naphthylamine	ug/L	<8							<12
2-nitroaniline	ug/L	<8							<12
2-nitrophenol	ug/L	<8							<12
3,3'-dichlorobenzidine	ug/L	<8							<12
3,3'-dimethylbenzidine	ug/L	<8							<12
3-methylcholanthrene	ug/L	<8							<12
3-nitroaniline	ug/L	<8							<12
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							<12
4-aminobiphenyl	ug/L	<8							<12
4-bromophenyl phenyl ether	ug/L	<8							<12
4-chloro-3-methylphenol	ug/L	<8							<12
4-chloroaniline	ug/L	<8							<12
4-chlorophenyl phenyl ether	ug/L	<8							<12
4-methyl-2-pentanone (mibk)	ug/L	<5		<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L	<8							<12
4-nitrophenol	ug/L	<8							<12
5-nitro-o-toluidine	ug/L	<8							<12
7,12-dimethylbenz(a)anthracene	ug/L	<8							<12
Acenaphthene	ug/L	<8							<12
Acenaphthylene	ug/L	<8							<12
Acetone	ug/L	<10.0		<10.0	<10.0	<10.0	54.3	<10.0	<10.0
Acetonitrile	ug/L	<10							<10
Acetophenone	ug/L	<8							<12
Acrolein	ug/L	<10							<10
Acrylonitrile	ug/L	<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							<12

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

Table 9

Analytical Data Summary for MW-19

Constituents	Units	6/4/2015	9/1/2015	12/1/2015	6/27/2016	6/22/2017	6/12/2019	12/5/2019	6/17/2020
Antimony, total	ug/L	<2		<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L	<.1							<.1
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	<.1							<.1
Arochlor 1260	ug/L	<.1							<.1
Arsenic, total	ug/L	23.6		163.0	<4.0	30.4	18.9	296.0	9.6
Azobenzene	ug/L	<8							<12
Barium, total	ug/L	817		425	628	532	530	548	486
Benzene	ug/L	<1		<1	<1	<1	<1	<1	1
Benzo(a)anthracene	ug/L	<8							<12
Benzo(a)pyrene	ug/L	<8							<12
Benzo(b)fluoranthene	ug/L	<8							<12
Benzo(g,h,i)perylene	ug/L	<8							<12
Benzo(k)fluoranthene	ug/L	<8							<12
Benzyl alcohol	ug/L	<8							<12
Beryllium, total	ug/L	<4		<4	<4	<4	<4	<4	<4
Beta-bhc	ug/L	<.05							<.05
Bis (2-chloroethoxy) methane	ug/L	<8							<12
Bis(2-chloroethyl) ether	ug/L	<8							<12
Bis(2-chloroisopropyl) ether	ug/L	<8							<12
Bis(2-ethylhexyl) phthalate	ug/L	<8							12
Bromochloromethane	ug/L	<1		<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1		<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1		<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1		<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L	<8							<12
Cadmium, total	ug/L	<.8		2.1	<.8	<.8	<.8	.8	<.8
Carbon disulfide	ug/L	<1		<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1		<1	<1	<1	<1	<1	<1
Chlordane	ug/L	<.1							<.1
Chlorobenzene	ug/L	3.8		3.0	3.5	4.3	4.7	4.7	5.6
Chlorobenzilate	ug/L	<8							<12
Chloroethane	ug/L	21.3		14.7	16.5	17.6	15.4	14.9	15.8
Chloroform	ug/L	<1		<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1		<1	<1	<1	<1	<1	<1
Chloroprene	ug/L	<1							<1
Chromium, total	ug/L	<8		<8	<8	<8	<8	<8	<8
Chrysene	ug/L	<8							<12
Cis-1,2-dichloroethylene	ug/L	4.4		4.4	6.8	4.4	6.2	7.0	7.5
Cis-1,3-dichloropropene	ug/L	<1		<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.8		1.6	<.8	<.8	1.9	3.8	<.4
Copper, total	ug/L	<4.0		<4.0	<4.0	<4.0	6.4	<4.0	<4.0
Cyanide, total	mg/L	<.005							<.005
Delta-bhc	ug/L	<.05							<.05
Diallate	ug/L	<8							<12
Dibenzo(a,h)anthracene	ug/L	<8							<12
Dibenzofuran	ug/L	<8							<12
Dibromochloromethane	ug/L	<1		<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1		<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	1.2		<1.0	<1.0	<1.0	<1.0	1.1	<1.0
Dieldrin	ug/L	<.05							<.05
Diethyl phthalate	ug/L	<8							<12
Dimethoate	ug/L	<.4							<.4
Dimethylphthalate	ug/L	<8							<12
Di-n-butyl phthalate	ug/L	<8							<12
Di-n-octyl phthalate	ug/L	<8							<12
Dinoseb	ug/L	<.5							<.5
Diphenylamine	ug/L	<8							<12
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							<12
Ethylbenzene	ug/L	<1		<1	<1	<1	<1	<1	<1
Famphur	ug/L	<.4							<.4
Fluoranthene	ug/L	<8							<12
Fluorene	ug/L	<8							<12
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 9

Analytical Data Summary for MW-19

Constituents	Units	6/4/2015	9/1/2015	12/1/2015	6/27/2016	6/22/2017	6/12/2019	12/5/2019	6/17/2020
Hexachlorobutadiene	ug/L	<8							<12
Hexachlorocyclopentadiene	ug/L	<8							<12
Hexachloroethane	ug/L	<8							<12
Hexachloropropene	ug/L	<8							<12
Indeno(1,2,3-cd)pyrene	ug/L	<8							<12
Isobutanol	mg/L	<1							<1
Isodrin	ug/L	<8							<12
Isophorone	ug/L	<8							<12
Isosafrole	ug/L	<8							<12
Kepone	ug/L	<8							<12
Lead, total	ug/L	<4		<4	<4	<4	<4	<4	<4
Mercury, total	ug/L	<.5							<.5
Methacrylonitrile	ug/L	<1							<1
Methapyrilene	ug/L	<8							<12
Methoxychlor	ug/L	<.05							<.05
Methyl iodide	ug/L	<1		<1	<1	<1	<1	<1	<2
Methyl methacrylate	ug/L	<1							<1
Methyl methanesulfonate	ug/L	<8							<12
Methyl parathion	ug/L	<.4							<.4
Methylene chloride	ug/L	<5		<5	<5	<5	<5	<5	<5
Naphthalene	ug/L	<8							<12
Nickel, total	ug/L	<4.0		18.5	<4.0	<4.0	5.1	32.1	<4.0
Nitrobenzene	ug/L	<8							<12
N-nitrosodiethylamine	ug/L	<8							<12
N-nitrosodimethylamine	ug/L	<8							<12
N-nitrosodi-n-butylamine	ug/L	<8							<12
N-nitroso-di-n-propylamine	ug/L	<8							<12
N-nitrosodiphenylamine	ug/L	<8							<12
N-nitrosomethylethylamine	ug/L	<8							<12
N-nitrosopiperidine	ug/L	<8							<12
N-nitrosopyrrolidine	ug/L	<8							<12
O,o,o-triethyl phosphorothioate	ug/L	<.4							<.4
O-toluidine	ug/L	<8							<12
Parathion	ug/L	<.4							<.4
P-dimethylaminoazobenzene	ug/L	<8							<12
Pentachlorobenzene	ug/L	<8							<12
Pentachloronitrobenzene (pcnb)	ug/L	<8							<12
Pentachlorophenol	ug/L	<8							<12
Phenacetin	ug/L	<8							<12
Phenanthrene	ug/L	<8							<12
Phenol	ug/L	<8							<12
Phorate	ug/L	<.4							<.4
Pronamide	ug/L	<8							<12
Propionitrile	ug/L	<10							<10
Pyrene	ug/L	<8							<12
Safrole	ug/L	<8							<12
Selenium, total	ug/L	<4		<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4		<4	<4	<4	<4	<4	<4
Styrene	ug/L	<1		<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L	<.10	.20	<.10	.11	<.10	.78	.21	.26
Tetrachloroethylene	ug/L	<1		<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4		<4	<4	<4	<2	<2	<2
Thionazin	ug/L	<.4							<.4
Tin, total	ug/L	<20							<20
Toluene	ug/L	<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
Trans-1,3-dichloropropene	ug/L	<1		<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5		<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1		<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1		<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20		<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5		<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1.0		<1.0	<1.0	<1.0	<1.0	1.2	1.4
Xylenes, total	ug/L	<2		<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<8.0		9.4	<8.0	<8.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-20

Constituents	Units	12/10/2014	6/4/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	11/15/2017	6/18/2018
(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	7.2	9.0	8.1	10.3	10.3	11.2	<1.0	8.8
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	675	573	537	470	600	406	456	454
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	<1.0	<1.0	1.0	<1.0	<1.0	<1.0	1.0	<1.0
1,2-dichloroethane	ug/L	7.5	9.2	8.7	11.3	8.3	7.9	7.0	6.6
1,2-dichloropropane	ug/L	<1.0	3.8	3.6	<1.0	<1.0	<1.0	2.1	<1.0
1,2-dinitrobenzene	ug/L						<8		
1,3,5-trinitrobenzene	ug/L						<8		
1,3-dichlorobenzene	ug/L						<1		
1,3-dichloropropane	ug/L						<1		
1,3-dinitrobenzene	ug/L						<8		
1,4-dichlorobenzene	ug/L	3.4	3.7	4.4	4.2	4.0	4.6	4.5	3.8
1,4-naphthoquinone	ug/L						<8		
1,4-phenylenediamine	ug/L						<8		
1-naphthylamine	ug/L						<8		
2,2-dichloropropane	ug/L						<1		
2,3,4,6-tetrachlorophenol	ug/L						<8		
2,4,5-t	ug/L						<5		
2,4,5-tp (silvex)	ug/L						<5		
2,4,5-trichlorophenol	ug/L						<8		
2,4,6-trichlorophenol	ug/L						<8		
2,4-d	ug/L						<2		
2,4-dichlorophenol	ug/L						<8		
2,4-dimethylphenol	ug/L						<8		
2,4-dinitrophenol	ug/L						<8		
2,4-dinitrotoluene	ug/L						<8		
2,6-dichlorophenol	ug/L						<8		
2,6-dinitrotoluene	ug/L						<8		
2-acetylaminofluorene	ug/L						<8		
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L						<8		
2-chlorophenol	ug/L						<8		
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L						<8		
2-methylphenol	ug/L						<8		
2-naphthylamine	ug/L						<8		
2-nitroaniline	ug/L						<8		
2-nitrophenol	ug/L						<8		
3,3'-dichlorobenzidine	ug/L						<8		
3,3'-dimethylbenzidine	ug/L						<8		
3-methylcholanthrene	ug/L						<8		
3-nitroaniline	ug/L						<8		
4,4'-ddd	ug/L						<.05		
4,4'-dde	ug/L						<.05		
4,4'-ddt	ug/L						<.05		
4,6-dinitro-2-methylphenol	ug/L						<8		
4-aminobiphenyl	ug/L						<8		
4-bromophenyl phenyl ether	ug/L						<8		
4-chloro-3-methylphenol	ug/L						<8		
4-chloroaniline	ug/L						<8		
4-chlorophenyl phenyl ether	ug/L						<8		
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L						<8		
4-nitrophenol	ug/L						<8		
5-nitro-o-toluidine	ug/L						<8		
7,12-dimethylbenz(a)anthracene	ug/L						<8		
Acenaphthene	ug/L						<8		
Acenaphthylene	ug/L						<8		
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	ug/L						<10		
Acetophenone	ug/L						<8		
Acrolein	ug/L						<10		
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L						<.05		
Allyl chloride	ug/L						<1		
Alpha-bhc	ug/L						<.05		
Anthracene	ug/L						<8		

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

Table 9

Analytical Data Summary for MW-20

Constituents	11/28/2018	6/12/2019	12/5/2019	6/17/2020
(3,4)-methylphenol				
1,1,1,2-tetrachloroethane	<1	<1	<1	<1
1,1,1-trichloroethane	4.9	5.0	5.6	11.0
1,1,2,2-tetrachloroethane	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1
1,1-dichloroethane	509	305	284	316
1,1-dichloroethylene	<1	<1	<1	<1
1,1-dichloropropene				
1,2,3-trichloropropane	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene				
1,2,4-trichlorobenzene				
1,2-dibromo-3-chloropropane	<1	<1	<1	<5
1,2-dibromoethane	<1	<1	<1	<1
1,2-dichlorobenzene	1.0	1.2	1.1	1.7
1,2-dichloroethane	8.5	4.5	3.8	4.1
1,2-dichloropropane	3.6	1.2	1.3	1.5
1,2-dinitrobenzene				
1,3,5-trinitrobenzene				
1,3-dichlorobenzene				
1,3-dichloropropane				
1,3-dinitrobenzene				
1,4-dichlorobenzene	7.0	<1.0	4.8	4.8
1,4-naphthoquinone				
1,4-phenylenediamine				
1-naphthylamine				
2,2-dichloropropane				
2,3,4,6-tetrachlorophenol				
2,4,5-t				
2,4,5-tp (silvex)				
2,4,5-trichlorophenol				
2,4,6-trichlorophenol				
2,4-d				
2,4-dichlorophenol				
2,4-dimethylphenol				
2,4-dinitrophenol				
2,4-dinitrotoluene				
2,6-dichlorophenol				
2,6-dinitrotoluene				
2-acetylaminofluorene				
2-butanone (mek)	<5	<5	<5	<5
2-chloronaphthalene				
2-chlorophenol				
2-hexanone (mbk)	<5	<5	<5	<5
2-methylnaphthalene				
2-methylphenol				
2-naphthylamine				
2-nitroaniline				
2-nitrophenol				
3,3'-dichlorobenzidine				
3,3'-dimethylbenzidine				
3-methylcholanthrene				
3-nitroaniline				
4,4'-ddd				
4,4'-dde				
4,4'-ddt				
4,6-dinitro-2-methylphenol				
4-aminobiphenyl				
4-bromophenyl phenyl ether				
4-chloro-3-methylphenol				
4-chloroaniline				
4-chlorophenyl phenyl ether				
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5
4-nitroaniline				
4-nitrophenol				
5-nitro-o-toluidine				
7,12-dimethylbenz(a)anthracene				
Acenaphthene				
Acenaphthylene				
Acetone	<10	<10	<10	<10
Acetonitrile				
Acetophenone				
Acrolein				
Acrylonitrile	<5	<5	<5	<5
Aldrin				
Allyl chloride				
Alpha-bhc				
Anthracene				

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

Table 9

Analytical Data Summary for MW-20

Constituents	Units	12/10/2014	6/4/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	11/15/2017	6/18/2018
Antimony, total	ug/L	<2.0	<2.0	<2.0	3.8	<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	4.2	6.4	6.6	15.6	<4.0	6.9	<4.0	<4.0
Azobenzene	ug/L						<8		
Barium, total	ug/L	318	299	244	1150	282	294	292	299
Benzene	ug/L	3.5	6.8	4.8	13.2	2.7	26.2	2.4	<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	<4	<4	<4	<4	<4	<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						14	<6	<6
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L						<8		
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L						<.1		
Chlorobenzene	ug/L	5.8	6.3	6.2	6.6	6.3	5.6	6.9	5.3
Chlorobenzilate	ug/L						<8		
Chloroethane	ug/L	101.0	161.0	99.9	148.0	118.0	142.0	144.0	116.0
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1.0	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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	128.0	94.9	74.6	65.6	68.6	26.9	44.3	52.4
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	4.3	8.0	1.3	5.6	1.9	21.5	2.6	2.4
Copper, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Cyanide, total	mg/L						<.005		
Delta-bhc	ug/L						<.05		
Diallate	ug/L						<8		
Dibenzo(a,h)anthracene	ug/L						<8		
Dibenzofuran	ug/L						<8		
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	8.7	11.0	6.0	10.3	7.4	4.7	6.8	7.1
Dieldrin	ug/L						<.05		
Diethyl phthalate	ug/L						<8		
Dimethoate	ug/L						<.4		
Dimethylphthalate	ug/L						<8		
Di-n-butyl phthalate	ug/L						<8		
Di-n-octyl phthalate	ug/L						<8		
Dinoseb	ug/L						<.5		
Diphenylamine	ug/L						<8		
Disulfoton	ug/L						<.4		
Endosulfan i	ug/L						<.05		
Endosulfan ii	ug/L						<.05		
Endosulfan sulfate	ug/L						<.05		
Endrin	ug/L						<.05		
Endrin aldehyde	ug/L						<.05		
Ethyl methacrylate	ug/L						<10		
Ethyl methanesulfonate	ug/L						<8		
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L						<.4		
Fluoranthene	ug/L						<8		
Fluorene	ug/L						<8		
Gamma-bhc (lindane)	ug/L						<.05		
Heptachlor	ug/L						<.05		
Heptachlor epoxide	ug/L						<.05		
Hexachlorobenzene	ug/L						<.05		

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

Table 9

Analytical Data Summary for MW-20

Constituents	11/28/2018	6/12/2019	12/5/2019	6/17/2020
Antimony, total	<2.0	<2.0	<2.0	<2.0
Arochlor 1016				
Arochlor 1221				
Arochlor 1232				
Arochlor 1242				
Arochlor 1248				
Arochlor 1254				
Arochlor 1260				
Arsenic, total	10.9	7.3	9.4	<4.0
Azobenzene				
Barium, total	293	272	276	267
Benzene	12.2	7.6	<1.0	7.4
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Benzyl alcohol				
Beryllium, total	<4	<4	<4	<4
Beta-bhc				
Bis (2-chloroethoxy) methane				
Bis(2-chloroethyl) ether				
Bis(2-chloroisopropyl) ether				
Bis(2-ethylhexyl) phthalate	<6	<6	<6	<8
Bromochloromethane	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1
Butyl benzyl phthalate				
Cadmium, total	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1
Chlordane				
Chlorobenzene	6.4	4.4	5.3	5.2
Chlorobenzilate				
Chloroethane	108.0	89.2	89.0	128.0
Chloroform	<1	<1	<1	<1
Chloromethane	<1.0	<1.0	<1.0	<1.0
Chloroprene				
Chromium, total	<8	<8	<8	<8
Chrysene				
Cis-1,2-dichloroethylene	32.7	21.7	18.3	26.3
Cis-1,3-dichloropropene	<1	<1	<1	<1
Cobalt, total	23.2	13.5	5.3	15.4
Copper, total	<4	<4	<4	<4
Cyanide, total				
Delta-bhc				
Diallate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Dibromochloromethane	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1
Dichlorodifluoromethane	1.7	2.5	3.3	2.8
Dieldrin				
Diethyl phthalate				
Dimethoate				
Dimethylphthalate				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dinoseb				
Diphenylamine				
Disulfoton				
Endosulfan i				
Endosulfan ii				
Endosulfan sulfate				
Endrin				
Endrin aldehyde				
Ethyl methacrylate				
Ethyl methanesulfonate				
Ethylbenzene	<1	<1	<1	<1
Famphur				
Fluoranthene				
Fluorene				
Gamma-bhc (lindane)				
Heptachlor				
Heptachlor epoxide				
Hexachlorobenzene				

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

Table 9

Analytical Data Summary for MW-20

Constituents	Units	12/10/2014	6/4/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	11/15/2017	6/18/2018
Hexachlorobutadiene	ug/L						<8		
Hexachlorocyclopentadiene	ug/L						<8		
Hexachloroethane	ug/L						<8		
Hexachloropropene	ug/L						<8		
Indeno(1,2,3-cd)pyrene	ug/L						<8		
Isobutanol	mg/L						<1		
Isodrin	ug/L						<8		
Isophorone	ug/L						<8		
Isosafrole	ug/L						<8		
Kepone	ug/L						<8		
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	ug/L						<.5		
Methacrylonitrile	ug/L						<1		
Methapyrilene	ug/L						<8		
Methoxychlor	ug/L						<.05		
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L						<1		
Methyl methanesulfonate	ug/L						<8		
Methyl parathion	ug/L						<.4		
Methylene chloride	ug/L	<5.0	5.0	<5.0	6.8	5.5	<5.0	<5.0	<5.0
Naphthalene	ug/L						<8		
Nickel, total	ug/L	21.1	44.5	10.6	116.0	23.4	80.6	23.4	22.4
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						<.4		
O-toluidine	ug/L						<8		
Parathion	ug/L						<.4		
P-dimethylaminoazobenzene	ug/L						<8		
Pentachlorobenzene	ug/L						<8		
Pentachloronitrobenzene (pcnb)	ug/L						<8		
Pentachlorophenol	ug/L						<8		
Phenacetin	ug/L						<8		
Phenanthrene	ug/L						<8		
Phenol	ug/L						<8		
Phorate	ug/L						<.4		
Pronamide	ug/L						<8		
Propionitrile	ug/L						<10		
Pyrene	ug/L						<8		
Safrole	ug/L						<8		
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<8
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	481							
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L						<.1		
Tetrachloroethylene	ug/L	19.2	18.0	17.2	17.9	19.8	19.9	23.1	21.7
Thallium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Thionazin	ug/L						<.4		
Tin, total	ug/L						<20		
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L						<.2		
Trans-1,2-dichloroethylene	ug/L	9.1	9.0	7.0	7.9	7.2	6.5	7.2	5.1
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	17.8	16.2	14.0	15.6	18.4	11.1	11.6	13.1
Trichlorofluoromethane	ug/L	23.2	23.6	19.8	16.9	17.7	13.1	15.6	19.9
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	27.2	34.4	25.2	28.4	24.1	22.8	19.8	24.2
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<8.0	<8.0	<8.0	32.4	<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-20

Constituents	11/28/2018	6/12/2019	12/5/2019	6/17/2020
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Hexachloropropene				
Indeno(1,2,3-cd)pyrene				
Isobutanol				
Isodrin				
Isophorone				
Isosafrole				
Kepone				
Lead, total	<4	<4	<4	<4
Mercury, total				
Methacrylonitrile				
Methapyrilene				
Methoxychlor				
Methyl iodide	<1	<1	<1	<1
Methyl methacrylate				
Methyl methanesulfonate				
Methyl parathion				
Methylene chloride	<5.0	<5.0	<5.0	<5.0
Naphthalene				
Nickel, total	64.7	61.9	42.1	88.4
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
Silver, total	<4	<8	<4	<4
Solids, total suspended				
Styrene	<1	<1	<1	<1
Sulfide, total				
Tetrachloroethylene	12.8	11.8	15.5	13.7
Thallium, total	<4	<2	<2	<2
Thionazin				
Tin, total				
Toluene	<1	<1	<1	<1
Toxaphene				
Trans-1,2-dichloroethylene	4.8	4.2	3.8	5.1
Trans-1,3-dichloropropene	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5
Trichloroethylene	8.9	6.7	8.8	6.2
Trichlorofluoromethane	8.9	4.3	13.2	9.1
Vanadium, total	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5
Vinyl chloride	15.9	10.4	9.8	12.5
Xylenes, total	<2	<2	<2	<2
Zinc, total	<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-20-2

Constituents	Units	6/22/2021	12/2/2021	6/8/2022	11/22/2022	6/6/2023	12/4/2023	6/6/2024	12/4/2024	6/12/2025
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	270	282	219	256	215	186	243	191	166
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	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	<1.0	<1.0
1,2-dichloroethane	ug/L	<1.0	1.2	<1.0	<1.0	1.2	<1.0	2.7	1.0	<1.0
1,2-dichloropropane	ug/L	<1.0	<1.0	1.2	<1.0	1.1	<1.0	1.8	<1.0	<1.0
1,4-dichlorobenzene	ug/L	2.6	1.9	1.5	<1.0	1.4	1.2	<1.0	1.1	1.3
2-butanone (mek)	ug/L	<5	<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		<2	<2	<2	<2	<2	<2	<2	<1
Arsenic, total	ug/L		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	4.9	<2.0
Barium, total	ug/L		238	220	224	253	221	218	220	174
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	<5
Bromochloromethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.6	<1.0	<1.0
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	2.0	.8	<8	<8	<8	.2
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	5.0	3.8	3.6	3.0	3.6	3.4	3.7	3.7	3.0
Chloroethane	ug/L	78.8	69.2	69.3	56.0	42.9	41.8	25.7	31.5	34.7
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	<1
Cis-1,2-dichloroethylene	ug/L	30.3	34.9	35.3	34.0	25.0	24.2	45.2	26.2	26.8
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L		1.0	1.1	1.1	3.2	1.1	.5	.8	<5
Copper, total	ug/L		<4.0	<4.0	<4.0	<4.0	<4.0	33.4	<4.0	<5.0
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	<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		26.3	22.0	11.9	14.4	12.0	4.3	12.7	6.5
Selenium, total	ug/L		<4	<4	<4	<4	<4	<4	<4	<2
Silver, total	ug/L		<4	<4	<4	<4	<4	<4	<4	<5
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	9.0	4.2	2.2	1.6	1.5	<1.0	8.0	<1.0	2.0
Thallium, total	ug/L		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	3.4	2.8	3.4	2.6	2.6	2.7	2.6	2.5	2.1
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	4.4	3.0	2.3	1.5	1.6	1.1	12.7	1.3	1.9
Trichlorofluoromethane	ug/L	4.3	4.6	2.4	1.8	1.8	2.6	10.6	1.4	<1.0
Vanadium, total	ug/L		<20	<20	<20	<20	<20	<20	<20	<2
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	8.7	7.7	4.0	5.3	4.7	5.7	4.1	3.6	2.0
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L		<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	8.2

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

Table 9

Analytical Data Summary for MW-20-2

Constituents	12/9/2025
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	148
1,1-dichloroethylene	<1
1,2,3-trichloropropane	<1
1,2-dibromo-3-chloropropane	<5
1,2-dibromoethane	<1
1,2-dichlorobenzene	<1.0
1,2-dichloroethane	<1.0
1,2-dichloropropane	<1.0
1,4-dichlorobenzene	1.1
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	216
Benzene	<1
Beryllium, total	<.5
Bromochloromethane	<1.0
Bromodichloromethane	<1
Bromoform	<1
Bromomethane	<1
Cadmium, total	.7
Carbon disulfide	<1
Carbon tetrachloride	<1
Chlorobenzene	3.4
Chloroethane	23.0
Chloroform	<1
Chloromethane	<1
Chromium, total	<1
Cis-1,2-dichloroethylene	22.4
Cis-1,3-dichloropropene	<1
Cobalt, total	1.0
Copper, total	<5.0
Dibromochloromethane	<1
Dibromomethane	<1
Ethylbenzene	<1
Lead, total	<1
Methyl iodide	<1
Methylene chloride	<5
Nickel, total	12.2
Selenium, total	<2
Silver, total	<5
Styrene	<1
Tetrachloroethylene	<1.0
Thallium, total	<.5
Toluene	<1
Trans-1,2-dichloroethylene	2.1
Trans-1,3-dichloropropene	<1
Trans-1,4-dichloro-2-butene	<5
Trichloroethylene	1.3
Trichlorofluoromethane	1.2
Vanadium, total	<2
Vinyl acetate	<5
Vinyl chloride	2.5
Xylenes, total	<2
Zinc, total	6.9

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

Table 9

Analytical Data Summary for MW-20-6

Constituents	Units	6/22/2021	12/2/2021	6/8/2022	11/22/2022	6/6/2023	12/4/2023	6/6/2024	12/4/2024	6/12/2025
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	310.0	318.0	272.0	135.0	271.0	303.0	12.4	272.0	235.0
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	3.5	2.7	3.3	<1.0	3.0	2.8	<1.0	2.6	2.3
1,2-dichloropropane	ug/L	1.9	1.6	2.0	<1.0	1.9	1.6	<1.0	1.6	1.5
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<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		<2	<2	<2	<2	<2	<2	<2	<1
Arsenic, total	ug/L		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	5.7	<2.0
Barium, total	ug/L		285	281	254	307	273	390	252	309
Benzene	ug/L	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Beryllium, total	ug/L		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<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		<8	<8	<8	<8	<8	<8	<8	.5
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	4.0	3.4	3.2	3.3	3.5	3.1	<1.0	2.4	2.9
Chloroethane	ug/L	44.0	45.2	37.7	38.8	26.7	26.7	<1.0	21.6	23.9
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	1
Cis-1,2-dichloroethylene	ug/L	90.4	76.9	70.4	71.7	53.3	49.8	1.1	43.3	56.8
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L		1.0	1.2	3.5	2.4	.8	<4	.5	.7
Copper, total	ug/L		<4	<4	<4	<4	<4	<4	<4	<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		<4	<4	<4	<4	<4	<4	<4	<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		<4.0	4.6	4.0	4.1	<4.0	<4.0	4.8	<5.0
Selenium, total	ug/L		<4	<4	<4	<4	<4	<4	<4	<2
Silver, total	ug/L		<4	<4	<4	<4	<4	<4	<4	<5
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	8.4	7.1	6.4	7.3	5.9	6.5	<1.0	7.1	7.6
Thallium, total	ug/L		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	5.0	4.1	3.9	4.1	3.4	3.6	<1.0	2.0	<1.0
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	17.8	16.3	14.1	15.0	12.5	12.8	<1.0	10.2	10.9
Trichlorofluoromethane	ug/L	12.0	6.7	9.6	6.1	6.6	12.6	<1.0	8.9	13.5
Vanadium, total	ug/L		<20	<20	<20	<20	<20	<20	<20	<2
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	6.3	7.1	3.6	6.9	5.0	5.6	<1.0	2.8	3.2
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L		<20.0	<20.0	<20.0	21.5	<20.0	<20.0	<20.0	9.5

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

Table 9

Analytical Data Summary for MW-20-6

Constituents	12/9/2025
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	196.0
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	2.2
1,2-dichloropropane	1.6
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	238
Benzene	<1.0
Beryllium, total	<.5
Bromochloromethane	<1
Bromodichloromethane	<1
Bromoform	<1
Bromomethane	<1
Cadmium, total	.4
Carbon disulfide	<1
Carbon tetrachloride	<1
Chlorobenzene	2.9
Chloroethane	22.6
Chloroform	<1
Chloromethane	<1
Chromium, total	2
Cis-1,2-dichloroethylene	42.9
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	<5.0
Selenium, total	<2
Silver, total	<5
Styrene	<1
Tetrachloroethylene	7.4
Thallium, total	<.5
Toluene	<1
Trans-1,2-dichloroethylene	1.8
Trans-1,3-dichloropropene	<1
Trans-1,4-dichloro-2-butene	<5
Trichloroethylene	10.1
Trichlorofluoromethane	12.2
Vanadium, total	<2
Vinyl acetate	<5
Vinyl chloride	1.8
Xylenes, total	<2
Zinc, total	7.8

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

Table 9

Analytical Data Summary for MW-22

Constituents	Units	12/10/2014	6/4/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	11/15/2017	6/18/2018
(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	337.0	267.0	219.0	180.0	193.0	181.0	158.0	178.0
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	2.2	2.0	1.3	<1.0	<1.0	1.5	<1.0	<1.0
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	5.1	5.1	5.7	4.5	5.1	4.9	5.4	4.3
1,4-naphthoquinone	ug/L						<8		
1,4-phenylenediamine	ug/L						<8		
1-naphthylamine	ug/L						<8		
2,2-dichloropropane	ug/L						<1		
2,3,4,6-tetrachlorophenol	ug/L						<8		
2,4,5-t	ug/L						<5		
2,4,5-tp (silvex)	ug/L						<5		
2,4,5-trichlorophenol	ug/L						<8		
2,4,6-trichlorophenol	ug/L						<8		
2,4-d	ug/L						<2		
2,4-dichlorophenol	ug/L						<8		
2,4-dimethylphenol	ug/L						<8		
2,4-dinitrophenol	ug/L						<8		
2,4-dinitrotoluene	ug/L						<8		
2,6-dichlorophenol	ug/L						<8		
2,6-dinitrotoluene	ug/L						<8		
2-acetylaminofluorene	ug/L						<8		
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L						<8		
2-chlorophenol	ug/L						<8		
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L						<8		
2-methylphenol	ug/L						<8		
2-naphthylamine	ug/L						<8		
2-nitroaniline	ug/L						<8		
2-nitrophenol	ug/L						<8		
3,3'-dichlorobenzidine	ug/L						<8		
3,3'-dimethylbenzidine	ug/L						<8		
3-methylcholanthrene	ug/L						<8		
3-nitroaniline	ug/L						<8		
4,4'-ddd	ug/L						<.05		
4,4'-dde	ug/L						<.05		
4,4'-ddt	ug/L						<.05		
4,6-dinitro-2-methylphenol	ug/L						<8		
4-aminobiphenyl	ug/L						<8		
4-bromophenyl phenyl ether	ug/L						<8		
4-chloro-3-methylphenol	ug/L						<8		
4-chloroaniline	ug/L						<8		
4-chlorophenyl phenyl ether	ug/L						<8		
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L						<8		
4-nitrophenol	ug/L						<8		
5-nitro-o-toluidine	ug/L						<8		
7,12-dimethylbenz(a)anthracene	ug/L						<8		
Acenaphthene	ug/L						<8		
Acenaphthylene	ug/L						<8		
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	ug/L						<10		
Acetophenone	ug/L						<8		
Acrolein	ug/L						<10		
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L						<.05		
Allyl chloride	ug/L						<1		
Alpha-bhc	ug/L						<.05		
Anthracene	ug/L						<8		

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

Table 9

Analytical Data Summary for MW-22

Constituents	11/28/2018	6/12/2019	12/5/2019	6/17/2020
(3,4)-methylphenol				
1,1,1,2-tetrachloroethane	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1
1,1-dichloroethane	156.0	66.4	133.0	127.0
1,1-dichloroethylene	<1	<1	<1	<1
1,1-dichloropropene				
1,2,3-trichloropropane	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene				
1,2,4-trichlorobenzene				
1,2-dibromo-3-chloropropane	<1	<1	<1	<5
1,2-dibromoethane	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1
1,2-dichloroethane	1.5	<1.0	<1.0	1.2
1,2-dichloropropane	<1	<1	<1	<1
1,2-dinitrobenzene				
1,3,5-trinitrobenzene				
1,3-dichlorobenzene				
1,3-dichloropropane				
1,3-dinitrobenzene				
1,4-dichlorobenzene	7.0	<1.0	5.1	4.8
1,4-naphthoquinone				
1,4-phenylenediamine				
1-naphthylamine				
2,2-dichloropropane				
2,3,4,6-tetrachlorophenol				
2,4,5-t				
2,4,5-tp (silvex)				
2,4,5-trichlorophenol				
2,4,6-trichlorophenol				
2,4-d				
2,4-dichlorophenol				
2,4-dimethylphenol				
2,4-dinitrophenol				
2,4-dinitrotoluene				
2,6-dichlorophenol				
2,6-dinitrotoluene				
2-acetylaminofluorene				
2-butanone (mek)	<5	<5	<5	<5
2-chloronaphthalene				
2-chlorophenol				
2-hexanone (mbk)	<5	<5	<5	<5
2-methylnaphthalene				
2-methylphenol				
2-naphthylamine				
2-nitroaniline				
2-nitrophenol				
3,3'-dichlorobenzidine				
3,3'-dimethylbenzidine				
3-methylcholanthrene				
3-nitroaniline				
4,4'-ddd				
4,4'-dde				
4,4'-ddt				
4,6-dinitro-2-methylphenol				
4-aminobiphenyl				
4-bromophenyl phenyl ether				
4-chloro-3-methylphenol				
4-chloroaniline				
4-chlorophenyl phenyl ether				
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5
4-nitroaniline				
4-nitrophenol				
5-nitro-o-toluidine				
7,12-dimethylbenz(a)anthracene				
Acenaphthene				
Acenaphthylene				
Acetone	<10	<10	<10	<10
Acetonitrile				
Acetophenone				
Acrolein				
Acrylonitrile	<5	<5	<5	<5
Aldrin				
Allyl chloride				
Alpha-bhc				
Anthracene				

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

Table 9

Analytical Data Summary for MW-22

Constituents	Units	12/10/2014	6/4/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	11/15/2017	6/18/2018
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L						<.1		
Arochlor 1221	ug/L						<.2		
Arochlor 1232	ug/L						<.2		
Arochlor 1242	ug/L						<.2		
Arochlor 1248	ug/L						<.2		
Arochlor 1254	ug/L						<.1		
Arochlor 1260	ug/L						<.1		
Arsenic, total	ug/L	18.6	7.4	16.1	12.7	11.0	11.1	12.2	11.6
Azobenzene	ug/L						<.8		
Barium, total	ug/L	369	264	324	343	402	278	455	337
Benzene	ug/L	1.4	1.5	1.5	1.6	1.6	1.7	2.1	<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	<4	<4	<4	<4	<4	<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	<10	<10	<10	29	<10	9	<6	6
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L						<.8		
Cadmium, total	ug/L	3.1	<.8	1.5	<.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	5.1	5.7	5.4	4.2	5.0	4.3	5.8	4.4
Chlorobenzilate	ug/L						<.8		
Chloroethane	ug/L	253	281	206	150	207	207	195	194
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	257.0	214.0	168.0	133.0	174.0	138.0	156.0	135.0
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	45.0	23.6	49.0	40.4	39.5	21.7	65.0	44.1
Copper, total	ug/L	464.0	4.4	29.5	6.5	22.5	6.5	20.8	29.8
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	1.2	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dieldrin	ug/L						<.05		
Diethyl phthalate	ug/L						<.8		
Dimethoate	ug/L						<.4		
Dimethylphthalate	ug/L						<.8		
Di-n-butyl phthalate	ug/L						<.8		
Di-n-octyl phthalate	ug/L						<.8		
Dinoseb	ug/L						<.5		
Diphenylamine	ug/L						<.8		
Disulfoton	ug/L						<.4		
Endosulfan i	ug/L						<.05		
Endosulfan ii	ug/L						<.05		
Endosulfan sulfate	ug/L						<.05		
Endrin	ug/L						<.05		
Endrin aldehyde	ug/L						<.05		
Ethyl methacrylate	ug/L						<10		
Ethyl methanesulfonate	ug/L						<.8		
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L						<.4		
Fluoranthene	ug/L						<.8		
Fluorene	ug/L						<.8		
Gamma-bhc (lindane)	ug/L						<.05		
Heptachlor	ug/L						<.05		
Heptachlor epoxide	ug/L						<.05		
Hexachlorobenzene	ug/L						<.05		

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

Table 9

Analytical Data Summary for MW-22

Constituents	11/28/2018	6/12/2019	12/5/2019	6/17/2020
Antimony, total	<2	<2	<2	<2
Arochlor 1016				
Arochlor 1221				
Arochlor 1232				
Arochlor 1242				
Arochlor 1248				
Arochlor 1254				
Arochlor 1260				
Arsenic, total	20.2	4.7	30.4	20.3
Azobenzene				
Barium, total	323	274	271	294
Benzene	2.0	1.4	1.6	1.9
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Benzyl alcohol				
Beryllium, total	<4	<4	<4	<4
Beta-bhc				
Bis (2-chloroethoxy) methane				
Bis(2-chloroethyl) ether				
Bis(2-chloroisopropyl) ether				
Bis(2-ethylhexyl) phthalate	10	<6	<6	<6
Bromochloromethane	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1
Butyl benzyl phthalate				
Cadmium, total	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1
Chlordane				
Chlorobenzene	5.1	3.3	5.0	5.0
Chlorobenzilate				
Chloroethane	190	239	136	161
Chloroform	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1
Chloroprene				
Chromium, total	<8	<8	<8	<8
Chrysene				
Cis-1,2-dichloroethylene	118.0	70.3	76.4	84.9
Cis-1,3-dichloropropene	<1	<1	<1	<1
Cobalt, total	41.2	6.0	29.9	30.5
Copper, total	11.5	100.0	21.1	18.1
Cyanide, total				
Delta-bhc				
Diallate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Dibromochloromethane	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1
Dichlorodifluoromethane	<1.0	1.0	1.4	1.2
Dieldrin				
Diethyl phthalate				
Dimethoate				
Dimethylphthalate				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dinoseb				
Diphenylamine				
Disulfoton				
Endosulfan i				
Endosulfan ii				
Endosulfan sulfate				
Endrin				
Endrin aldehyde				
Ethyl methacrylate				
Ethyl methanesulfonate				
Ethylbenzene	<1	<1	<1	<1
Famphur				
Fluoranthene				
Fluorene				
Gamma-bhc (lindane)				
Heptachlor				
Heptachlor epoxide				
Hexachlorobenzene				

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

Table 9

Analytical Data Summary for MW-22

Constituents	Units	12/10/2014	6/4/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	11/15/2017	6/18/2018
Hexachlorobutadiene	ug/L						<8		
Hexachlorocyclopentadiene	ug/L						<8		
Hexachloroethane	ug/L						<8		
Hexachloropropene	ug/L						<8		
Indeno(1,2,3-cd)pyrene	ug/L						<8		
Isobutanol	mg/L						<1		
Isodrin	ug/L						<8		
Isophorone	ug/L						<8		
Isosafrole	ug/L						<8		
Kepone	ug/L						<8		
Lead, total	ug/L	32.6	<4.0	<4.0	<4.0	<4.0	<4.0	5.7	<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						<.4		
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L						<8		
Nickel, total	ug/L	79.4	20.3	47.5	31.1	38.0	14.7	123.0	39.4
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						<.4		
O-toluidine	ug/L						<8		
Parathion	ug/L						<.4		
P-dimethylaminoazobenzene	ug/L						<8		
Pentachlorobenzene	ug/L						<8		
Pentachloronitrobenzene (pcnb)	ug/L						<8		
Pentachlorophenol	ug/L						<8		
Phenacetin	ug/L						<8		
Phenanthrene	ug/L						<8		
Phenol	ug/L						<8		
Phorate	ug/L						<.4		
Pronamide	ug/L						<8		
Propionitrile	ug/L						<10		
Pyrene	ug/L						<8		
Safrole	ug/L						<8		
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<8
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	410							
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	<4	<4	<4	<4	<4	<4	<4
Thionazin	ug/L						<.4		
Tin, total	ug/L						<20		
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L						<.2		
Trans-1,2-dichloroethylene	ug/L	5.0	4.2	3.1	2.3	3.0	2.7	3.9	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	36.2	39.7	26.7	21.6	29.6	28.6	30.9	23.2
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	125.0	<8.0	11.5	11.1	9.9	15.5	76.3	13.8

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

Table 9

Analytical Data Summary for MW-22

Constituents	11/28/2018	6/12/2019	12/5/2019	6/17/2020
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
Mercury, total				
Methacrylonitrile				
Methapyrilene				
Methoxychlor				
Methyl iodide	<1	<1	<1	<1
Methyl methacrylate				
Methyl methanesulfonate				
Methyl parathion				
Methylene chloride	<5	<5	<5	<5
Naphthalene				
Nickel, total	31.4	4.1	25.1	21.5
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
Silver, total	<4	<8	<4	<4
Solids, total suspended				
Styrene	<1	<1	<1	<1
Sulfide, total				
Tetrachloroethylene	<1	<1	<1	<1
Thallium, total	<4	<2	<2	<2
Thionazin				
Tin, total				
Toluene	<1	<1	<1	<1
Toxaphene				
Trans-1,2-dichloroethylene	2.3	1.8	2.0	2.2
Trans-1,3-dichloropropene	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5
Vinyl chloride	22.0	20.9	17.0	22.7
Xylenes, total	<2	<2	<2	<2
Zinc, total	<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-22-2

Constituents	Units	6/22/2021	12/2/2021	6/8/2022	11/22/2022	6/6/2023	12/4/2023	6/6/2024	12/4/2024	6/12/2025
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	191	249	184	222	186	192	209	198	175
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	3.5	3.3	4.5	<1.0	3.4	2.9	3.5	3.4	2.9
1,2-dichloropropane	ug/L	<1	<1	1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	1.9	2.1	2.0	1.7	2.2	1.7	2.4	2.0	2.6
2-butanone (mek)	ug/L	<5	<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		<2	<2	<2	<2	<2	<2	<2	<1
Arsenic, total	ug/L		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	5.6	<2.0
Barium, total	ug/L		271	252	283	286	291	304	289	288
Benzene	ug/L	1.7	1.7	2.2	1.9	1.4	1.3	1.3	<1.0	<1.0
Beryllium, total	ug/L		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<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		<8	<8	<8	<8	<8	<8	<8	.2
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	8.8	9.2	9.1	8.4	8.6	6.8	9.8	7.0	8.9
Chloroethane	ug/L	165.0	187.0	123.0	144.0	124.0	105.0	132.0	98.1	109.0
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L		<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<1.0
Cis-1,2-dichloroethylene	ug/L	142.0	145.0	139.0	122.0	89.7	83.0	95.0	93.6	109.0
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	2.2	2.7	2.4	6.0	3.8	1.5	2.1	1.5	1.5
Copper, total	ug/L		<4	<4	<4	<4	<4	<4	<4	<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		<4	<4	<4	<4	<4	<4	<4	<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		23.7	27.4	15.1	24.6	10.1	26.8	13.5	18.7
Selenium, total	ug/L		<4	<4	<4	<4	<4	<4	<4	<2
Silver, total	ug/L		<4	<4	<4	<4	<4	<4	<4	<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		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	3.6	3.5	4.2	<1.0	3.3	3.2	3.7	3.3	3.6
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	<1.0	1.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium, total	ug/L		<20	<20	<20	<20	<20	<20	<20	<2
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	19.3	23.4	15.5	<1.0	16.0	14.0	20.0	15.1	16.1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L		<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<5.0

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

Table 9

Analytical Data Summary for MW-22-2

Constituents	12/9/2025
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	139
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	2.8
1,2-dichloropropane	<1
1,4-dichlorobenzene	2.5
2-butanone (mek)	<10
2-hexanone (mbk)	<5
4-methyl-2-pentanone (mibk)	<5
Acetone	<10
Acrylonitrile	<5
Antimony, total	<1
Arsenic, total	2.4
Barium, total	311
Benzene	<1.0
Beryllium, total	<.5
Bromochloromethane	<1
Bromodichloromethane	<1
Bromoform	<1
Bromomethane	<1
Cadmium, total	.4
Carbon disulfide	<1
Carbon tetrachloride	<1
Chlorobenzene	8.4
Chloroethane	105.0
Chloroform	<1
Chloromethane	<1
Chromium, total	1.7
Cis-1,2-dichloroethylene	70.4
Cis-1,3-dichloropropene	<1
Cobalt, total	1.5
Copper, total	<5
Dibromochloromethane	<1
Dibromomethane	<1
Ethylbenzene	<1
Lead, total	<1
Methyl iodide	<1
Methylene chloride	<5
Nickel, total	10.1
Selenium, total	<2
Silver, total	<5
Styrene	<1
Tetrachloroethylene	<1
Thallium, total	<.5
Toluene	<1
Trans-1,2-dichloroethylene	3.4
Trans-1,3-dichloropropene	<1
Trans-1,4-dichloro-2-butene	<5
Trichloroethylene	<1
Trichlorofluoromethane	<1.0
Vanadium, total	<2
Vinyl acetate	<5
Vinyl chloride	15.0
Xylenes, total	<2
Zinc, total	8.1

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

Table 9

Analytical Data Summary for MW-23

Constituents	Units	12/10/2014	6/4/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	9/13/2017	11/15/2017
(3,4)-methylphenol	ug/L						<8		
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1		<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1		<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1		<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1		<1
1,1-dichloroethane	ug/L	2.4	9.1	1.6	1.6	2.5	1.1		3.1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1		<1
1,1-dichloropropene	ug/L						<1		
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1		<1
1,2,4,5-tetrachlorobenzene	ug/L						<8		
1,2,4-trichlorobenzene	ug/L						<1		
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1		<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1		<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1		<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1		<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1		<1
1,2-dinitrobenzene	ug/L						<8		
1,3,5-trinitrobenzene	ug/L						<8		
1,3-dichlorobenzene	ug/L						<1		
1,3-dichloropropane	ug/L						<1		
1,3-dinitrobenzene	ug/L						<8		
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1		<1
1,4-naphthoquinone	ug/L						<8		
1,4-phenylenediamine	ug/L						<8		
1-naphthylamine	ug/L						<8		
2,2-dichloropropane	ug/L						<1		
2,3,4,6-tetrachlorophenol	ug/L						<8		
2,4,5-t	ug/L						<5		
2,4,5-tp (silvex)	ug/L						<5		
2,4,5-trichlorophenol	ug/L						<8		
2,4,6-trichlorophenol	ug/L						<8		
2,4-d	ug/L						<2.0		
2,4-dichlorophenol	ug/L						<8		
2,4-dimethylphenol	ug/L						<8		
2,4-dinitrophenol	ug/L						<8		
2,4-dinitrotoluene	ug/L						<8		
2,6-dichlorophenol	ug/L						<8		
2,6-dinitrotoluene	ug/L						<8		
2-acetylaminofluorene	ug/L						<8		
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5		<5
2-chloronaphthalene	ug/L						<8		
2-chlorophenol	ug/L						<8		
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5		<5
2-methylnaphthalene	ug/L						<8		
2-methylphenol	ug/L						<8		
2-naphthylamine	ug/L						<8		
2-nitroaniline	ug/L						<8		
2-nitrophenol	ug/L						<8		
3,3'-dichlorobenzidine	ug/L						<8		
3,3'-dimethylbenzidine	ug/L						<8		
3-methylcholanthrene	ug/L						<8		
3-nitroaniline	ug/L						<8		
4,4'-ddd	ug/L						<.05		
4,4'-dde	ug/L						<.05		
4,4'-ddt	ug/L						<.05		
4,6-dinitro-2-methylphenol	ug/L						<8		
4-aminobiphenyl	ug/L						<8		
4-bromophenyl phenyl ether	ug/L						<8		
4-chloro-3-methylphenol	ug/L						<8		
4-chloroaniline	ug/L						<8		
4-chlorophenyl phenyl ether	ug/L						<8		
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5		<5
4-nitroaniline	ug/L						<8		
4-nitrophenol	ug/L						<8		
5-nitro-o-toluidine	ug/L						<8		
7,12-dimethylbenz(a)anthracene	ug/L						<8		
Acenaphthene	ug/L						<8		
Acenaphthylene	ug/L						<8		
Acetone	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0
Acetonitrile	ug/L						<10		
Acetophenone	ug/L						<8		
Acrolein	ug/L						<10		
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5		<5
Aldrin	ug/L						<.05		
Allyl chloride	ug/L						<1		
Alpha-bhc	ug/L						<.05		
Anthracene	ug/L						<8		

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

Table 9

Analytical Data Summary for MW-23

Constituents	6/18/2018	11/28/2018	3/13/2019	6/12/2019	12/5/2019	6/17/2020	12/7/2020	6/22/2021	12/2/2021
(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	4.6	1.5		4.2	1.7	<1.0	1.8	1.6	5.6
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	<10
2-chloronaphthalene									
2-chlorophenol									
2-hexanone (mbk)	<5	<5		<5	<5	<5	<5	<5	<5
2-methylnaphthalene									
2-methylphenol									
2-naphthylamine									
2-nitroaniline									
2-nitrophenol									
3,3'-dichlorobenzidine									
3,3'-dimethylbenzidine									
3-methylcholanthrene									
3-nitroaniline									
4,4'-ddd									
4,4'-dde									
4,4'-ddt									
4,6-dinitro-2-methylphenol									
4-aminobiphenyl									
4-bromophenyl phenyl ether									
4-chloro-3-methylphenol									
4-chloroaniline									
4-chlorophenyl phenyl ether									
4-methyl-2-pentanone (mibk)	<5	<5		<5	<5	<5	<5	<5	<5
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-23

Constituents	6/8/2022	11/22/2022	6/6/2023	12/4/2023	6/6/2024	12/4/2024	6/12/2025	12/9/2025
(3,4)-methylphenol	<8							
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	2.0	6.2	5.0	5.9	5.2	8.4	3.2	5.4
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	<1							
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	<8							
1,2,4-trichlorobenzene	<1							
1,2-dibromo-3-chloropropane	<1	<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
1,2-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
1,4-naphthoquinone	<8							
1,4-phenylenediamine	<8							
1-naphthylamine	<8							
2,2-dichloropropane	<1							
2,3,4,6-tetrachlorophenol	<8							
2,4,5-t	<4							
2,4,5-tp (silvex)	<4							
2,4,5-trichlorophenol	<8							
2,4,6-trichlorophenol	<8							
2,4-d	<1.5							
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	<10	<10	<10	<10	<10
2-chloronaphthalene	<8							
2-chlorophenol	<8							
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	<8							
2-methylphenol	<8							
2-naphthylamine	<8							
2-nitroaniline	<8							
2-nitrophenol	<8							
3,3'-dichlorobenzidine	<8							
3,3'-dimethylbenzidine	<8							
3-methylcholanthrene	<8							
3-nitroaniline	<8							
4,4'-ddd	<.05							
4,4'-dde	<.05							
4,4'-ddt	<.05							
4,6-dinitro-2-methylphenol	<8							
4-aminobiphenyl	<8							
4-bromophenyl phenyl ether	<8							
4-chloro-3-methylphenol	<8							
4-chloroaniline	<8							
4-chlorophenyl phenyl ether	<8							
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	<8							
4-nitrophenol	<8							
5-nitro-o-toluidine	<8							
7,12-dimethylbenz(a)anthracene	<8							
Acenaphthene	<8							
Acenaphthylene	<8							
Acetone	<10.0	<10.0	<10.0	<10.0	31.2	<10.0	<10.0	<10.0
Acetonitrile	<10							
Acetophenone	<8							
Acrolein	<10							
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	<.05							
Allyl chloride	<1							
Alpha-bhc	<.05							
Anthracene	<8							

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

Table 9

Analytical Data Summary for MW-23

Constituents	Units	12/10/2014	6/4/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	9/13/2017	11/15/2017
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2		<2
Arochlor 1016	ug/L						<.1		
Arochlor 1221	ug/L						<.2		
Arochlor 1232	ug/L						<.2		
Arochlor 1242	ug/L						<.2		
Arochlor 1248	ug/L						<.2		
Arochlor 1254	ug/L						<.1		
Arochlor 1260	ug/L						<.1		
Arsenic, total	ug/L	5.8	4.5	<4.0	<4.0	7.4	<4.0		8.5
Azobenzene	ug/L						<8		
Barium, total	ug/L	168	193	178	149	175	137		167
Benzene	ug/L	<1	<1	<1	<1	<1	<1		<1
Benzo(a)anthracene	ug/L						<8		
Benzo(a)pyrene	ug/L						<8		
Benzo(b)fluoranthene	ug/L						<8		
Benzo(g,h,i)perylene	ug/L						<8		
Benzo(k)fluoranthene	ug/L						<8		
Benzyl alcohol	ug/L						<8		
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0
Beta-bhc	ug/L						<.05		
Bis (2-chloroethoxy) methane	ug/L						<8		
Bis(2-chloroethyl) ether	ug/L						<8		
Bis(2-chloroisopropyl) ether	ug/L						<8		
Bis(2-ethylhexyl) phthalate	ug/L						<6		
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1		<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1		<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1		<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1		<1
Butyl benzyl phthalate	ug/L						<8		
Cadmium, total	ug/L	.9	<.8	1.5	<.8	<.8	<.8		<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1		<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1		<1
Chlordane	ug/L						<.1		
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1		<1
Chlorobenzilate	ug/L						<8		
Chloroethane	ug/L	3.3	6.5	2.4	2.3	2.9	3.5		5.6
Chloroform	ug/L	<1	<1	<1	<1	<1	<1		<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1		<1
Chloroprene	ug/L						<1		
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0		<8.0
Chrysene	ug/L						<8		
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1		<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1		<1
Cobalt, total	ug/L	5.8	4.8	2.2	1.9	3.4	1.3		3.4
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0
Cyanide, total	mg/L						<.005		
Delta-bhc	ug/L						<.05		
Diallate	ug/L						<8		
Dibenzo(a,h)anthracene	ug/L						<8		
Dibenzofuran	ug/L						<8		
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1		<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1		<1
Dichlorodifluoromethane	ug/L						<1		
Dieldrin	ug/L						<.05		
Diethyl phthalate	ug/L						<8		
Dimethoate	ug/L						<.4		
Dimethylphthalate	ug/L						<8		
Di-n-butyl phthalate	ug/L						<8		
Di-n-octyl phthalate	ug/L						<8		
Dinoseb	ug/L						<.5		
Diphenylamine	ug/L						<8		
Disulfoton	ug/L						<.4		
Endosulfan i	ug/L						<.05		
Endosulfan ii	ug/L						<.05		
Endosulfan sulfate	ug/L						<.05		
Endrin	ug/L						<.05		
Endrin aldehyde	ug/L						<.05		
Ethyl methacrylate	ug/L						<10		
Ethyl methanesulfonate	ug/L						<8		
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1		<1
Famphur	ug/L						<.4		
Fluoranthene	ug/L						<8		
Fluorene	ug/L						<8		
Gamma-bhc (lindane)	ug/L						<.05		
Heptachlor	ug/L						<.05		
Heptachlor epoxide	ug/L						<.05		
Hexachlorobenzene	ug/L						<.05		

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

Table 9

Analytical Data Summary for MW-23

Constituents	6/18/2018	11/28/2018	3/13/2019	6/12/2019	12/5/2019	6/17/2020	12/7/2020	6/22/2021	12/2/2021
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	5.7	<4.0		15.1	4.5	<4.0	6.8	28.8	15.7
Azobenzene									
Barium, total	184	169		188	153	116	145	215	177
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	1.0		<.8	<.8	<.8	2.8	.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	7.5	3.9		5.8	2.4	1.9	2.9	4.4	8.7
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	4.5	3.3		4.0	2.2	.6	1.8	3.0	2.4
Copper, total	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	37.8	<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-23

Constituents	6/8/2022	11/22/2022	6/6/2023	12/4/2023	6/6/2024	12/4/2024	6/12/2025	12/9/2025
Antimony, total	<2	<2	<2	<2	<2	<2	<1	<1
Arochlor 1016	<.1							
Arochlor 1221	<.2							
Arochlor 1232	<.2							
Arochlor 1242	<.2							
Arochlor 1248	<.2							
Arochlor 1254	<.1							
Arochlor 1260	<.1							
Arsenic, total	39.0	12.2	205.0	<4.0	8.4	9.0	15.0	8.9
Azobenzene	<8							
Barium, total	211	170	512	156	368	192	204	207
Benzene	<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	<.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	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	<8							
Cadmium, total	<.8	<.8	.8	<.8	<.8	.8	.3	1.0
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	<.1							
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	<8							
Chloroethane	8.0	9.6	7.4	6.7	10.6	15.3	8.8	12.8
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	<1							
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<1.0	1.1
Chrysene	<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	1.7	3.4	11.6	2.0	3.5	3.8	1.5	3.2
Copper, total	25.9	<4.0	<4.0	<4.0	7.4	<4.0	<5.0	18.8
Cyanide, total	<.005							
Delta-bhc	<.05							
Diallate	<8							
Dibenzo(a,h)anthracene	<8							
Dibenzofuran	<8							
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	<1							
Dieldrin	<.05							
Diethyl phthalate	<8							
Dimethoate	<.4							
Dimethylphthalate	<8							
Di-n-butyl phthalate	<8							
Di-n-octyl phthalate	<8							
Dinoseb	<.4							
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
Famphur	<.4							
Fluoranthene	<8							
Fluorene	<8							
Gamma-bhc (lindane)	<.05							
Heptachlor	<.05							
Heptachlor epoxide	<.05							
Hexachlorobenzene	<.05							

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

Table 9

Analytical Data Summary for MW-23

Constituents	Units	12/10/2014	6/4/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	9/13/2017	11/15/2017
Hexachlorobutadiene	ug/L						<8		
Hexachlorocyclopentadiene	ug/L						<8		
Hexachloroethane	ug/L						<8		
Hexachloropropene	ug/L						<8		
Indeno(1,2,3-cd)pyrene	ug/L						<8		
Isobutanol	mg/L						<1		
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
Methyl methacrylate	ug/L						<1		
Methyl methanesulfonate	ug/L						<8		
Methyl parathion	ug/L						<.4		
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5		<5
Naphthalene	ug/L						<8		
Nickel, total	ug/L	17.3	22.9	20.1	21.5	16.3	20.8	18.0	15.7
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,o,o-triethyl phosphorothioate	ug/L						<.4		
O-toluidine	ug/L						<8		
Parathion	ug/L						<.4		
P-dimethylaminoazobenzene	ug/L						<8		
Pentachlorobenzene	ug/L						<8		
Pentachloronitrobenzene (pcnb)	ug/L						<8		
Pentachlorophenol	ug/L						<8		
Phenacetin	ug/L						<8		
Phenanthrene	ug/L						<8		
Phenol	ug/L						<8		
Phorate	ug/L						<.4		
Pronamide	ug/L						<8		
Propionitrile	ug/L						<10		
Pyrene	ug/L						<8		
Safrole	ug/L						<8		
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4		<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4		<4
Solids, total suspended	mg/L	742							
Styrene	ug/L	<1	<1	<1	<1	<1	<1		<1
Sulfide, total	mg/L						<.1		
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1		<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0
Thionazin	ug/L						<.4		
Tin, total	ug/L						<20		
Toluene	ug/L	<1	<1	<1	<1	<1	<1		<1
Toxaphene	ug/L						<.2		
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1		<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1		<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5		<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1		<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1		<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20		<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5		<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1		<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2		<2
Zinc, total	ug/L	<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-23

Constituents	6/18/2018	11/28/2018	3/13/2019	6/12/2019	12/5/2019	6/17/2020	12/7/2020	6/22/2021	12/2/2021
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									
Methapyriline									
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	17.7	19.3	26.3	23.9	18.4	18.3	14.0	17.8	14.3
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	<8	<4		<4	<4	<4	<4	<4	<4
Silver, total	<4	<4		<8	<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	<20.0		<20.0	<8.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-23

Constituents	6/8/2022	11/22/2022	6/6/2023	12/4/2023	6/6/2024	12/4/2024	6/12/2025	12/9/2025
Hexachlorobutadiene	<8							
Hexachlorocyclopentadiene	<8							
Hexachloroethane	<8							
Hexachloropropene	<8							
Indeno(1,2,3-cd)pyrene	<8							
Isobutanol	<1							
Isodrin	<8							
Isophorone	<8							
Isosafrole	<8							
Kepone	<8							
Lead, total	<4	<4	<4	<4	<4	<4	<1	<1
Mercury, total	<.5							
Methacrylonitrile	<1							
Methapyrilene	<8							
Methoxychlor	<.05							
Methyl iodide	<2	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	<1							
Methyl methanesulfonate	<8							
Methyl parathion	<.4							
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	<8							
Nickel, total	23.3	15.7	23.4	20.7	22.0	21.0	19.6	20.0
Nitrobenzene	<8							
N-nitrosodiethylamine	<8							
N-nitrosodimethylamine	<8							
N-nitrosodi-n-butylamine	<8							
N-nitroso-di-n-propylamine	<8							
N-nitrosodiphenylamine	<8							
N-nitrosomethylethylamine	<8							
N-nitrosopiperidine	<8							
N-nitrosopyrrolidine	<8							
O,o,o-triethyl phosphorothioate	<.4							
O-toluidine	<8							
Parathion	<.4							
P-dimethylaminoazobenzene	<8							
Pentachlorobenzene	<8							
Pentachloronitrobenzene (pcnb)	<8							
Pentachlorophenol	<8							
Phenacetin	<8							
Phenanthrene	<8							
Phenol	<8							
Phorate	<.4							
Pronamide	<8							
Propionitrile	<10							
Pyrene	<8							
Safrole	<8							
Selenium, total	<4	<4	<4	<4	<4	<4	<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							
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							
Tin, total	<20							
Toluene	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	<.2							
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<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	30.8	<20.0	<20.0	<20.0	<5.0	10.1

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

Table 9

Analytical Data Summary for MW-27

Constituents	Units	6/4/2015	9/1/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	6/12/2019	12/5/2019	6/17/2020
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	<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	<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	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	6.8
Barium, total	ug/L	477	409	453	407	403	409	418	410	436
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	1.1
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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	10.7
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	12.8
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<4.0	<4.0	9.4	5.9	<4.0	<4.0	<4.0	<4.0	23.3
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
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	<2.0	<2.0	<2.0
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	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<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	8.6	<8.0	14.8	<8.0	<8.0	<8.0	<20.0	13.9	58.1

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

Table 9

Analytical Data Summary for MW-27

Constituents	12/7/2020	6/22/2021	12/2/2021	6/8/2022	6/6/2023	6/12/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<1
Arsenic, total	5.3	<4.0	5.1	<4.0	<4.0	<2.0
Barium, total	483	452	460	453	623	585
Benzene	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<5
Bromochloromethane	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1
Cadmium, total	.9	1.4	1.6	.8	<.8	.4
Carbon disulfide	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1
Chloromethane	<1.0	<1.0	1.7	<1.0	<1.0	<1.0
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	1.2
Cis-1,2-dichloroethylene	<1.0	<1.0	1.1	<1.0	<1.0	<1.0
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Cobalt, total	7.2	2.3	2.6	1.0	1.5	<.5
Copper, total	14.3	<4.0	12.2	10.3	6.9	<5.0
Dibromochloromethane	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<1
Methyl iodide	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5
Nickel, total	31.8	<4.0	11.7	7.1	5.2	<5.0
Selenium, total	<4	<4	<4	<4	<4	<2
Silver, total	<4	<4	<4	<4	<4	<5
Styrene	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<.5
Toluene	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1
Vanadium, total	<20.0	<20.0	<20.0	<20.0	<20.0	3.7
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	40.0	<20.0	51.1	31.5	61.2	23.0

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

Table 9

Analytical Data Summary for MW-28

Constituents	Units	12/10/2014	3/4/2015	6/4/2015	9/1/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	11/15/2017
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	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Barium, total	ug/L	143	163	176	180	167	165	190	186	166
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	4.5	1.1	<8	3.4	1.7	1.0	<8	4.9
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	<8	<8	<8	4.3	<8	<8	<8	4.4	<8
Copper, total	ug/L	<4.0	8.9	<4.0	<4.0	4.6	5.5	<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	<4.0	<4.0	<4.0	9.7	<4.0	4.1	<4.0	9.0	<4.0
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	67								
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	<8.0	8.6	<8.0	10.0	<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-28

Constituents	6/18/2018	11/28/2018	6/12/2019	12/5/2019	6/17/2020	12/7/2020	6/22/2021	12/2/2021	6/8/2022
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Barium, total	174	270	179	160	163	159	138	136	130
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.8	<.8	<.8	<.8	<.4	<.4	<.4	<.4	<.4
Copper, total	<4.0	5.0	<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	22.0	4.9	<4.0	4.0	<4.0	4.9	<4.0	<4.0
Selenium, total	<8	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<8	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<8.0	<20.0	<20.0	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-28

Constituents	11/22/2022	6/6/2023	12/4/2023	6/6/2024	12/4/2024	6/12/2025	12/9/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<1	<1
Arsenic, total	<4.0	<4.0	<4.0	<4.0	5.2	<2.0	<2.0
Barium, total	140	127	109	108	140	115	133
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	11.7
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<1.0	1.4
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	1.1	<.4	.4	<.4	<.5	<.5
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	12.4
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	5.6
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	11.5	11.2

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

Table 9

Analytical Data Summary for MW-29

Constituents	Units	12/10/2014	3/4/2015	6/4/2015	9/1/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	11/28/2018
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	223	268	224	200	240	199	199	203	413
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
Beryllium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
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	1.0	1.0	<8	<8	<8	<8	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	
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	<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	1.2	4.8	<8	<8	<8	<8	<8	<8	<8
Copper, total	ug/L	9.6	12.9	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<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	11.9	19.2	<4.0	<4.0	4.4	<4.0	<4.0	<4.0	9.5
Selenium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	4.8
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	429								
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	<4	<4	<4	<4	<4	<4	<4	<4
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	<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	12	<8	<8	<8	<8	8	<8	<20

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

Table 9

Analytical Data Summary for MW-29

Constituents	6/12/2019	12/5/2019
1,1,1,2-tetrachloroethane	<1	<1
1,1,1-trichloroethane	<1	<1
1,1,2,2-tetrachloroethane	<1	<1
1,1,2-trichloroethane	<1	<1
1,1-dichloroethane	<1	<1
1,1-dichloroethylene	<1	<1
1,2,3-trichloropropane	<1	<1
1,2-dibromo-3-chloropropane	<1	<1
1,2-dibromoethane	<1	<1
1,2-dichlorobenzene	<1	<1
1,2-dichloroethane	<1	<1
1,2-dichloropropane	<1	<1
1,4-dichlorobenzene	<1	<1
2-butanone (mek)	<5	<5
2-hexanone (mbk)	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5
Acetone	<10	<10
Acrylonitrile	<5	<5
Antimony, total	<2	<2
Arsenic, total	<4	<4
Barium, total	213	233
Benzene	<1	<1
Beryllium, total	<4	<4
Bromochloromethane	<1	<1
Bromodichloromethane	<1	<1
Bromoform	<1	<1
Bromomethane	<1	<1
Cadmium, total	<.8	<.8
Carbon disulfide	<1	<1
Carbon tetrachloride	<1	<1
Chlorobenzene	<1	<1
Chloroethane	<1	<1
Chloroform	<1	<1
Chloromethane	<1	<1
Chromium, total	<8	<8
Cis-1,2-dichloroethylene	<1	<1
Cis-1,3-dichloropropene	<1	<1
Cobalt, total	<.8	1.2
Copper, total	<4.0	<4.0
Dibromochloromethane	<1	<1
Dibromomethane	<1	<1
Ethylbenzene	<1	<1
Lead, total	<4	<4
Methyl iodide	<1	<1
Methylene chloride	<5	<5
Nickel, total	<4.0	8.8
Selenium, total	<4.0	<4.0
Silver, total	<8	<4
Solids, total suspended		
Styrene	<1	<1
Tetrachloroethylene	<1	<1
Thallium, total	<2	<2
Toluene	<1	<1
Trans-1,2-dichloroethylene	<1	<1
Trans-1,3-dichloropropene	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5
Trichloroethylene	<1	<1
Trichlorofluoromethane	<1	<1
Vanadium, total	<20	<20
Vinyl acetate	<5	<5
Vinyl chloride	<1	<1
Xylenes, total	<2	<2
Zinc, total	<20	<8

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

Table 9

Analytical Data Summary for MW-29D

Constituents	Units	6/17/2020	12/7/2020	6/22/2021	6/6/2023
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<5	<5	<5	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<10
2-hexanone (mbk)	ug/L	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5
Antimony, total	ug/L	<2	<2	<2	<2
Arsenic, total	ug/L	<4	<4	<4	<4
Barium, total	ug/L	187	225	193	243
Benzene	ug/L	<1	<1	<1	<1
Beryllium, total	ug/L	<4	<4	<4	<4
Bromochloromethane	ug/L	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1
Cadmium, total	ug/L	<.8	.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1
Chromium, total	ug/L	<8	<8	<8	<8
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1
Cobalt, total	ug/L	<.4	1.1	<.4	1.2
Copper, total	ug/L	<4	<4	<4	<4
Dibromochloromethane	ug/L	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1
Lead, total	ug/L	<4	<4	<4	<4
Methyl iodide	ug/L	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5
Nickel, total	ug/L	<4.0	10.8	<4.0	<4.0
Selenium, total	ug/L	<4.0	4.2	<4.0	<4.0
Silver, total	ug/L	<4	<4	<4	<4
Styrene	ug/L	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1
Thallium, total	ug/L	<2	<2	<2	<2
Toluene	ug/L	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2
Zinc, total	ug/L	<20	<20	<20	<20

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

Table 9

Analytical Data Summary for MW-30

Constituents	Units	12/4/2024	6/12/2025	9/2/2025	12/9/2025
1,1,1,2-tetrachloroethane	ug/L	<1	<1		<1
1,1,1-trichloroethane	ug/L	<1	<1		<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1		<1
1,1,2-trichloroethane	ug/L	<1	<1		<1
1,1-dichloroethane	ug/L	<1	<1		<1
1,1-dichloroethylene	ug/L	<1	<1		<1
1,2,3-trichloropropane	ug/L	<1	<1		<1
1,2-dibromo-3-chloropropane	ug/L	<5	<5		<5
1,2-dibromoethane	ug/L	<1	<1		<1
1,2-dichlorobenzene	ug/L	<1	<1		<1
1,2-dichloroethane	ug/L	<1	<1		<1
1,2-dichloropropane	ug/L	<1	<1		<1
1,4-dichlorobenzene	ug/L	<1	<1		<1
2-butanone (mek)	ug/L	<10	<10		<10
2-hexanone (mbk)	ug/L	<5	<5		<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5		<5
Acetone	ug/L	<10	<10		<10
Acrylonitrile	ug/L	<5	<5		<5
Antimony, total	ug/L	<2	<1		<1
Arsenic, total	ug/L	6	<2		<2
Barium, total	ug/L	19.8	25.6		28.8
Benzene	ug/L	<1	<1		<1
Beryllium, total	ug/L	<4.0	<5		<5
Bromochloromethane	ug/L	<1	<1		<1
Bromodichloromethane	ug/L	<1	<1		<1
Bromoform	ug/L	<1	<1		<1
Bromomethane	ug/L	<1	<1		<1
Cadmium, total	ug/L	.8	5.8	<2	2.5
Carbon disulfide	ug/L	<1	<1		<1
Carbon tetrachloride	ug/L	<1	<1		<1
Chlorobenzene	ug/L	<1	<1		<1
Chloroethane	ug/L	<1	<1		<1
Chloroform	ug/L	<1	<1		<1
Chloromethane	ug/L	<1	<1		<1
Chromium, total	ug/L	<8	<1		<1
Cis-1,2-dichloroethylene	ug/L	<1	<1		<1
Cis-1,3-dichloropropene	ug/L	<1	<1		<1
Cobalt, total	ug/L	.4	<5		<5
Copper, total	ug/L	5.2	<5.0		<5.0
Dibromochloromethane	ug/L	<1	<1		<1
Dibromomethane	ug/L	<1	<1		<1
Ethylbenzene	ug/L	<1	<1		<1
Lead, total	ug/L	<4	<1		<1
Methyl iodide	ug/L	<1	<1		<1
Methylene chloride	ug/L	<5	<5		<5
Nickel, total	ug/L	<4	<5		<5
Selenium, total	ug/L	<4	<2		<2
Silver, total	ug/L	<4	<5		<5
Styrene	ug/L	<1	<1		<1
Tetrachloroethylene	ug/L	<1	<1		<1
Thallium, total	ug/L	<2.0	<5		<5
Toluene	ug/L	<1	<1		<1
Trans-1,2-dichloroethylene	ug/L	<1	<1		<1
Trans-1,3-dichloropropene	ug/L	<1	<1		<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5		<5
Trichloroethylene	ug/L	<1	<1		<1
Trichlorofluoromethane	ug/L	<1	<1		<1
Vanadium, total	ug/L	<20	<2		<2
Vinyl acetate	ug/L	<5	<5		<5
Vinyl chloride	ug/L	<1	<1		<1
Xylenes, total	ug/L	<2	<2		<2
Zinc, total	ug/L	<20.0	11.0		7.6

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

Table 9

Analytical Data Summary for MW-38

Constituents	Units	12/10/2014	6/4/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	11/15/2017	6/18/2018
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	71.8	69.8	73.2	61.1	59.5	56.5	58.6	62.2
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
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	3.1	<8	1.2	<8	4.2	<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	<8	<8
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	5.4	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<8
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	528							
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	<4	<4	<4	<4	<4	<4	<4
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	<8.0	11.8	<8.0	<8.0	12.3	<8.0	<8.0	<8.0

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

Table 9

Analytical Data Summary for MW-38

Constituents	11/28/2018	6/12/2019	12/5/2019	6/17/2020	12/7/2020	6/22/2021	12/2/2021	6/8/2022	11/22/2022
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1	<1	<1	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	70.9	56.8	63.9	52.0	61.1	57.3	61.6	54.0	53.6
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
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	1.1	<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	<4	<4	<4	<4	<4	<4
Copper, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<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	<2	<2	<2	<2	<2	<2	<2	<2
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<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-38

Constituents	6/6/2023	12/4/2023	6/6/2024
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	<2	<2	<2
Arsenic, total	<4	<4	<4
Barium, total	65.7	63.7	55.2
Benzene	<1	<1	<1
Beryllium, total	<4	<4	<4
Bromochloromethane	<1	<1	<1
Bromodichloromethane	<1	<1	<1
Bromoform	<1	<1	<1
Bromomethane	<1	<1	<1
Cadmium, total	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1
Carbon tetrachloride	<1	<1	<1
Chlorobenzene	<1	<1	<1
Chloroethane	<1	<1	<1
Chloroform	<1	<1	<1
Chloromethane	<1	<1	<1
Chromium, total	<8	<8	<8
Cis-1,2-dichloroethylene	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1
Cobalt, total	1.4	<.4	<.4
Copper, total	<4	<4	<4
Dibromochloromethane	<1	<1	<1
Dibromomethane	<1	<1	<1
Ethylbenzene	<1	<1	<1
Lead, total	<4	<4	<4
Methyl iodide	<1	<1	<1
Methylene chloride	<5	<5	<5
Nickel, total	<4.0	<4.0	<4.0
Selenium, total	<4	<4	<4
Silver, total	<4	<4	<4
Solids, total suspended			
Styrene	<1	<1	<1
Tetrachloroethylene	<1	<1	<1
Thallium, total	<2	<2	<2
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	<20	<20	<20
Vinyl acetate	<5	<5	<5
Vinyl chloride	<1	<1	<1
Xylenes, total	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-39

Constituents	Units	12/10/2014	6/4/2015	12/1/2015	6/27/2016	11/30/2016	1/13/2017	6/22/2017	11/15/2017
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5		<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5		<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5		<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10		<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5		<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<2		<2	<2
Arsenic, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Barium, total	ug/L	88.4	99.5	99.1	89.4	95.2		79.0	76.6
Benzene	ug/L	<1	<1	<1	<1	<1		<1	<1
Beryllium, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Bromochloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8		<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1		<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1		<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1		<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Chromium, total	ug/L	<8	<8	<8	<8	<8		<8	<8
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1		<1	<1
Cobalt, total	ug/L	<.8	<.8	<.8	<.8	<.8		<.8	<.8
Copper, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Methyl iodide	ug/L	<1	<1	<1	<1	<1		<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5		<5	<5
Nickel, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Selenium, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Solids, total suspended	mg/L	237							
Styrene	ug/L	<1	<1	<1	<1	<1		<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
Thallium, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Toluene	ug/L	<1	<1	<1	<1	<1		<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1		<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5		<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20		<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5		<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1		<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2		<2	<2
Zinc, total	ug/L	<8.0	<8.0	<8.0	30.3	18.0	<8.0	<8.0	<8.0

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

Table 9

Analytical Data Summary for MW-39

Constituents	6/18/2018	11/28/2018	6/12/2019	12/5/2019	6/17/2020	12/7/2020	6/22/2021	12/2/2021	6/8/2022
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	90.0	179.0	78.1	85.5	71.2	74.5	74.8	69.8	67.8
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	1.6	<.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	<.4	<.4	<.4	<.4	<.4
Copper, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Selenium, total	<8	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<8	<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	<4	<2	<2	<2	<2	<2	<2	<2
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<8.0	<20.0	<20.0	<8.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-39

Constituents	11/22/2022	6/6/2023	12/4/2023	6/6/2024
1,1,1,2-tetrachloroethane	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5
Acetone	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2
Arsenic, total	<4	<4	<4	<4
Barium, total	60.5	76.1	63.3	68.7
Benzene	<1	<1	<1	<1
Beryllium, total	<4	<4	<4	<4
Bromochloromethane	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1
Chromium, total	<8	<8	<8	<8
Cis-1,2-dichloroethylene	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1
Cobalt, total	<.4	1.1	<.4	<.4
Copper, total	<4	<4	<4	<4
Dibromochloromethane	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4
Methyl iodide	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5
Nickel, total	<4	<4	<4	<4
Selenium, total	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4
Solids, total suspended				
Styrene	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1
Thallium, total	<2	<2	<2	<2
Toluene	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-40

Constituents	Units	11/30/2016	6/22/2017	9/13/2017	11/15/2017	6/18/2018	11/28/2018	6/12/2019	12/5/2019
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Barium, total	ug/L	62.2	45.0	53.5	57.2	43.3	40.2	34.3	39.1
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	2.7	<8	1.7	2.8	<8	<8	<8	<8
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	4.4	5.2	6.4	6.8	<4.0	<4.0	<4.0	<4.0
Selenium, total	ug/L	<4	<4	<4	<4	<8	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<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	<8.0	<8.0	<8.0	<8.0	<8.0	<20.0	<20.0	10.9

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

Table 9

Analytical Data Summary for MW-40

Constituents	6/17/2020	12/7/2020	6/22/2021	12/2/2021	6/8/2022	11/22/2022	6/6/2023	12/4/2023	6/6/2024
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	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Barium, total	28.0	34.6	36.4	38.5	28.4	32.6	31.6	28.6	15.2
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.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	<.4	<.4	<.4	<.4	<.4	.4	1.3	.4	.4
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	4.8	<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	4.9	<4.0
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<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-40

Constituents	12/4/2024	6/12/2025	12/9/2025
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	<2	<1	<1
Arsenic, total	6.2	<2.0	<2.0
Barium, total	38.2	35.7	41.0
Benzene	<1	<1	<1
Beryllium, total	<4.0	<.5	<.5
Bromochloromethane	<1	<1	<1
Bromodichloromethane	<1	<1	<1
Bromoform	<1	<1	<1
Bromomethane	<1	<1	<1
Cadmium, total	<.8	.5	.3
Carbon disulfide	<1	<1	<1
Carbon tetrachloride	<1	<1	<1
Chlorobenzene	<1	<1	<1
Chloroethane	<1	<1	<1
Chloroform	<1	<1	<1
Chloromethane	<1	<1	<1
Chromium, total	<8.0	<1.0	1.2
Cis-1,2-dichloroethylene	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1
Cobalt, total	5.1	.9	1.8
Copper, total	<4.0	<5.0	<5.0
Dibromochloromethane	<1	<1	<1
Dibromomethane	<1	<1	<1
Ethylbenzene	<1	<1	<1
Lead, total	<4	<1	<1
Methyl iodide	<1	<1	<1
Methylene chloride	<5	<5	<5
Nickel, total	6.4	5.9	5.4
Selenium, total	<4	2	<2
Silver, total	<4	<5	<5
Styrene	<1	<1	<1
Tetrachloroethylene	<1	<1	<1
Thallium, total	<2.0	<.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	<20	<2	<2
Vinyl acetate	<5	<5	<5
Vinyl chloride	<1	<1	<1
Xylenes, total	<2	<2	<2
Zinc, total	<20.0	23.6	5.1

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

Table 9

Analytical Data Summary for MW-41

Constituents	Units	12/10/2014	6/4/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	11/15/2017	12/13/2017
(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-naphthylamine	ug/L								
2-nitroaniline	ug/L								
2-nitrophenol	ug/L								
3,3'-dichlorobenzidine	ug/L								
3,3'-dimethylbenzidine	ug/L								
3-methylcholanthrene	ug/L								
3-nitroaniline	ug/L								
4,4'-ddd	ug/L								
4,4'-dde	ug/L								
4,4'-ddt	ug/L								
4,6-dinitro-2-methylphenol	ug/L								
4-aminobiphenyl	ug/L								
4-bromophenyl phenyl ether	ug/L								
4-chloro-3-methylphenol	ug/L								
4-chloroaniline	ug/L								
4-chlorophenyl phenyl ether	ug/L								
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L								
4-nitrophenol	ug/L								
5-nitro-o-toluidine	ug/L								
7,12-dimethylbenz(a)anthracene	ug/L								
Acenaphthene	ug/L								
Acenaphthylene	ug/L								
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	ug/L								
Acetophenone	ug/L								
Acrolein	ug/L								
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L								
Allyl chloride	ug/L								
Alpha-bhc	ug/L								
Anthracene	ug/L								

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

Table 9

Analytical Data Summary for MW-41

Constituents	6/18/2018	11/28/2018	6/12/2019	12/5/2019	6/17/2020	12/7/2020	6/22/2021	12/2/2021	3/1/2022
(3,4)-methylphenol									
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene									
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene									
1,2,4-trichlorobenzene									
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene									
1,3,5-trinitrobenzene									
1,3-dichlorobenzene									
1,3-dichloropropane									
1,3-dinitrobenzene									
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone									
1,4-phenylenediamine									
1-naphthylamine									
2,2-dichloropropane									
2,3,4,6-tetrachlorophenol									
2,4,5-t									
2,4,5-tp (silvex)									
2,4,5-trichlorophenol									
2,4,6-trichlorophenol									
2,4-d									
2,4-dichlorophenol									
2,4-dimethylphenol									
2,4-dinitrophenol									
2,4-dinitrotoluene									
2,6-dichlorophenol									
2,6-dinitrotoluene									
2-acetylaminofluorene									
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<10	<10
2-chloronaphthalene									
2-chlorophenol									
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene									
2-methylphenol									
2-naphthylamine									
2-nitroaniline									
2-nitrophenol									
3,3'-dichlorobenzidine									
3,3'-dimethylbenzidine									
3-methylcholanthrene									
3-nitroaniline									
4,4'-ddd									
4,4'-dde									
4,4'-ddt									
4,6-dinitro-2-methylphenol									
4-aminobiphenyl									
4-bromophenyl phenyl ether									
4-chloro-3-methylphenol									
4-chloroaniline									
4-chlorophenyl phenyl ether									
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline									
4-nitrophenol									
5-nitro-o-toluidine									
7,12-dimethylbenz(a)anthracene									
Acenaphthene									
Acenaphthylene									
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile									
Acetophenone									
Acrolein									
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin									
Allyl chloride									
Alpha-bhc									
Anthracene									

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

Table 9

Analytical Data Summary for MW-41

Constituents	6/8/2022	11/22/2022	6/6/2023	12/4/2023	6/6/2024	12/4/2024	6/12/2025	12/9/2025
(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	<4		<5					
2,4,5-tp (silvex)	<4		<5					
2,4,5-trichlorophenol	<8		<8					
2,4,6-trichlorophenol	<8		<8					
2,4-d	<1.5		<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	<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	<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					
Anthracene	<8		<8					

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

Table 9

Analytical Data Summary for MW-41

Constituents	Units	12/10/2014	6/4/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	11/15/2017	12/13/2017
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	<4.0	<4.0	<4.0	<4.0	
Azobenzene	ug/L								
Barium, total	ug/L	68.5	66.8	56.6	56.3	54.9	46.5	55.9	
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	1.0	
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	<8.0	<8.0	<8.0	8.0	<8.0	<8.0	9.0	<8.0
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	1.4	<.8	<.8	<.8	<.8	<.8	<.8	
Copper, total	ug/L	<4	<4	<4	<4	<4	<4	<4	
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 MW-41

Constituents	6/18/2018	11/28/2018	6/12/2019	12/5/2019	6/17/2020	12/7/2020	6/22/2021	12/2/2021	3/1/2022
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	<4.0	<4.0	
Azobenzene									
Barium, total	48.6	46.3	88.7	47.2	46.5	59.4	49.3	82.1	
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	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	10.2	10.0
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	.9	<.8	<.4	<.4	<.4	.6	
Copper, total	<4	<4	<4	<4	<4	<4	<4	<4	
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-41

Constituents	6/8/2022	11/22/2022	6/6/2023	12/4/2023	6/6/2024	12/4/2024	6/12/2025	12/9/2025
Antimony, total	<2	<2	<2	<2	<2	<2	<1	<1
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	5.3	<2.0	<2.0
Azobenzene	<8		<8					
Barium, total	61.8	87.4	73.0	89.1	49.9	73.7	57.7	103.0
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	12 *	<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	.5	.2
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	<8.0	11.7	<8.0	9.0	<8.0	<8.0	7.0	10.3
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	<.4	.9	.7	<.4	<.4	<.4	<.5	<.5
Copper, total	<.4	<.4	<.4	<.4	<.4	<.4	<.5	<.5
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	<.4		<.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-41

Constituents	Units	12/10/2014	6/4/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	11/15/2017	12/13/2017
Hexachlorobutadiene	ug/L								
Hexachlorocyclopentadiene	ug/L								
Hexachloroethane	ug/L								
Hexachloropropene	ug/L								
Indeno(1,2,3-cd)pyrene	ug/L								
Isobutanol	mg/L								
Isodrin	ug/L								
Isophorone	ug/L								
Isosafrole	ug/L								
Kepone	ug/L								
Lead, total	ug/L	<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	
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	<4.0	<4.0	<4.0	<4.0	17.4	<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	<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	
Solids, total suspended	mg/L	1680							
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	<8	<8	<8	<8	<8	<8	<8	

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

Table 9

Analytical Data Summary for MW-41

Constituents	6/18/2018	11/28/2018	6/12/2019	12/5/2019	6/17/2020	12/7/2020	6/22/2021	12/2/2021	3/1/2022
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno(1,2,3-cd)pyrene									
Isobutanol									
Isodrin									
Isophorone									
Isosafrole									
Kepone									
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	
Mercury, total									
Methacrylonitrile									
Methapyriline									
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	<4.0	7.9	<4.0	<4.0	<4.0	<4.0	<4.0	
Nitrobenzene									
N-nitrosodiethylamine									
N-nitrosodimethylamine									
N-nitrosodi-n-butylamine									
N-nitroso-di-n-propylamine									
N-nitrosodiphenylamine									
N-nitrosomethylethylamine									
N-nitrosopiperidine									
N-nitrosopyrrolidine									
O,o,o-triethyl phosphorothioate									
O-toluidine									
Parathion									
P-dimethylaminoazobenzene									
Pentachlorobenzene									
Pentachloronitrobenzene (pcnb)									
Pentachlorophenol									
Phenacetin									
Phenanthrene									
Phenol									
Phorate									
Pronamide									
Propionitrile									
Pyrene									
Safrole									
Selenium, total	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	4.7
Silver, total	<4	<4	<8	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total									
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin									
Tin, total									
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene									
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<8	<20	<20	<8	<20	<20	<20	<20	<20

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

Table 9

Analytical Data Summary for MW-41

Constituents	6/8/2022	11/22/2022	6/6/2023	12/4/2023	6/6/2024	12/4/2024	6/12/2025	12/9/2025
Hexachlorobutadiene	<8		<8					
Hexachlorocyclopentadiene	<8		<8					
Hexachloroethane	<8		<8					
Hexachloropropene	<8		<8					
Indeno(1,2,3-cd)pyrene	<8		<8					
Isobutanol	<1		<1					
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					
Methacrylonitrile	<1		<1					
Methapyriline	<8		<8					
Methoxychlor	<.05		<.05					
Methyl iodide	<2	<1	<2	<1	<1	<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	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0
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	<4.0	<2.0	<2.0
Silver, total	<4	<4	<4	<4	<4	<4	<5	<5
Solids, total suspended								
Styrene	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	<.10		.16					
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					
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	<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	<20	<20	<20	<20	<20	12	<5

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

Table 9

Analytical Data Summary for MW-42

Constituents	Units	11/22/2022	6/6/2023	12/4/2023	6/6/2024	12/4/2024	6/12/2025	12/9/2025
(3,4)-methylphenol	ug/L		<8		<8			
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1.0	1.4	2.1	2.0	2.8	3.6	2.5
1,1-dichloroethylene	ug/L	<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
1,2,4,5-tetrachlorobenzene	ug/L		<8		<8			
1,2,4-trichlorobenzene	ug/L		<1		<1			
1,2-dibromo-3-chloropropane	ug/L	<5	<1	<5	<1	<5	<5	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene	ug/L		<8		<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
1,4-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	<5	<10	<5	<10	<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
2-methylnaphthalene	ug/L		<8		<8			
2-methylphenol	ug/L		<8		<8			
2-naphthylamine	ug/L		<8		<8			
2-nitroaniline	ug/L		<8		<8			
2-nitrophenol	ug/L		<8		<8			
3,3'-dichlorobenzidine	ug/L		<8		<8			
3,3'-dimethylbenzidine	ug/L		<8		<8			
3-methylcholanthrene	ug/L		<8		<8			
3-nitroaniline	ug/L		<8		<8			
4,4'-ddd	ug/L		<.05		<.05			
4,4'-dde	ug/L		<.05		<.05			
4,4'-ddt	ug/L		<.05		<.05			
4,6-dinitro-2-methylphenol	ug/L		<8		<8			
4-aminobiphenyl	ug/L		<8		<8			
4-bromophenyl phenyl ether	ug/L		<8		<8			
4-chloro-3-methylphenol	ug/L		<8		<8			
4-chloroaniline	ug/L		<8		<8			
4-chlorophenyl phenyl ether	ug/L		<8		<8			
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5
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
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
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 9

Analytical Data Summary for MW-42

Constituents	Units	11/22/2022	6/6/2023	12/4/2023	6/6/2024	12/4/2024	6/12/2025	12/9/2025
Antimony, total	ug/L	<2	<2	<2	<2	<2	<1	<1
Arochlor 1016	ug/L		<1		<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		<1		<2			
Arochlor 1260	ug/L		<1		<2			
Arsenic, total	ug/L	<4.0	16.4	<4.0	<4.0	5.1	<2.0	<2.0
Azobenzene	ug/L		<8		<8			
Barium, total	ug/L	741	593	476	432	450	449	405
Benzene	ug/L	<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	<4.0	<4.0	<4.0	<4.0	<4.0	<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
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L		<8		<8			
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	.3	.3
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L		<1		<1			
Chlorobenzene	ug/L	<1.0	1.9	1.3	1.3	2.5	2.2	2.7
Chlorobenzilate	ug/L		<8		<8			
Chloroethane	ug/L	5.8	7.8	2.6	5.1	9.7	6.9	10.0
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L		<1		<1			
Chromium, total	ug/L	<8	<8	<8	<8	<8	<1	1
Chrysene	ug/L		<8		<8			
Cis-1,2-dichloroethylene	ug/L	3.6	3.5	4.0	4.4	7.2	9.3	10.1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	12.7	5.7	5.1	2.0	2.9	2.7	3.4
Copper, total	ug/L	<4.0	<4.0	4.8	<4.0	<4.0	<5.0	<5.0
Cyanide, total	mg/L		<.005		<.005			
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
Dibromomethane	ug/L	<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
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 9

Analytical Data Summary for MW-42

Constituents	Units	11/22/2022	6/6/2023	12/4/2023	6/6/2024	12/4/2024	6/12/2025	12/9/2025
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	mg/L		<1		<1			
Isodrin	ug/L		<8		<8			
Isophorone	ug/L		<8		<8			
Isosafrole	ug/L		<8		<8			
Kepone	ug/L		<8		<8			
Lead, total	ug/L	<4	<4	<4	<4	<4	<1	<1
Mercury, total	ug/L		<.5		<.5			
Methacrylonitrile	ug/L		<1		<1			
Methapyrilene	ug/L		<8		<8			
Methoxychlor	ug/L		<.05		<.05			
Methyl iodide	ug/L	<1	<2	<1	<2	<1	<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
Naphthalene	ug/L		<8		<8			
Nickel, total	ug/L	8.2	15.0	7.2	9.0	13.6	11.4	11.9
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	<4	<4	<4	<4	<4	<2	<2
Silver, total	ug/L	<4	<4	<4	<4	<4	<5	<5
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L		<.1		<.3			
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<.5	<.5
Thionazin	ug/L		<.4		<.4			
Tin, total	ug/L		<20		<20			
Toluene	ug/L	<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
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	<2	<2
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	<20.0	45.9	<20.0	<20.0	<20.0	11.8	5.4

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

Table 9

Analytical Data Summary for MW-43

Constituents	Units	9/12/2024	12/4/2024	6/12/2025	12/9/2025
1,1,1,2-tetrachloroethane	ug/L		<1	<1	<1
1,1,1-trichloroethane	ug/L		<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L		<1	<1	<1
1,1,2-trichloroethane	ug/L		<1	<1	<1
1,1-dichloroethane	ug/L		<1	<1	<1
1,1-dichloroethylene	ug/L		<1	<1	<1
1,2,3-trichloropropane	ug/L		<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L		<5	<5	<5
1,2-dibromoethane	ug/L		<1	<1	<1
1,2-dichlorobenzene	ug/L		<1	<1	<1
1,2-dichloroethane	ug/L		<1	<1	<1
1,2-dichloropropane	ug/L		<1	<1	<1
1,4-dichlorobenzene	ug/L		<1	<1	<1
2-butanone (mek)	ug/L		<10	<10	<10
2-hexanone (mbk)	ug/L		<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L		<5	<5	<5
Acetone	ug/L		<10	<10	<10
Acrylonitrile	ug/L		<5	<5	<5
Antimony, total	ug/L	<2	<2	<1	<1
Arsenic, total	ug/L	<4.0	6.6	<2.0	<2.0
Barium, total	ug/L	70.0	17.2	13.7	19.2
Benzene	ug/L		<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<.5	<.5
Bromochloromethane	ug/L		<1	<1	<1
Bromodichloromethane	ug/L		<1	<1	<1
Bromoform	ug/L		<1	<1	<1
Bromomethane	ug/L		<1	<1	<1
Cadmium, total	ug/L	<.8	<.8	<.2	.8
Carbon disulfide	ug/L		<1	<1	<1
Carbon tetrachloride	ug/L		<1	<1	<1
Chlorobenzene	ug/L		<1	<1	<1
Chloroethane	ug/L		<1	<1	<1
Chloroform	ug/L		<1	<1	<1
Chloromethane	ug/L		<1	<1	<1
Chromium, total	ug/L	<8	<8	<1	<1
Cis-1,2-dichloroethylene	ug/L		<1	<1	<1
Cis-1,3-dichloropropene	ug/L		<1	<1	<1
Cobalt, total	ug/L	3.6	8.8	3.2	6.3
Copper, total	ug/L	<4	<4	<5	<5
Dibromochloromethane	ug/L		<1	<1	<1
Dibromomethane	ug/L		<1	<1	<1
Ethylbenzene	ug/L		<1	<1	<1
Lead, total	ug/L	<4	<4	<1	<1
Methyl iodide	ug/L		<1	<1	<1
Methylene chloride	ug/L		<5	<5	<5
Nickel, total	ug/L	20.4	31.4	14.7	15.3
Selenium, total	ug/L	<4	<4	<2	<2
Silver, total	ug/L	<4	<4	<5	<5
Styrene	ug/L		<1	<1	<1
Tetrachloroethylene	ug/L		<1	<1	<1
Thallium, total	ug/L	<2.0	<2.0	<.5	<.5
Toluene	ug/L		<1	<1	<1
Trans-1,2-dichloroethylene	ug/L		<1	<1	<1
Trans-1,3-dichloropropene	ug/L		<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L		<5	<5	<5
Trichloroethylene	ug/L		<1	<1	<1
Trichlorofluoromethane	ug/L		<1	<1	<1
Vanadium, total	ug/L	<20	<20	<2	<2
Vinyl acetate	ug/L		<5	<5	<5
Vinyl chloride	ug/L		<1	<1	<1
Xylenes, total	ug/L		<2	<2	<2
Zinc, total	ug/L	<20.0	<20.0	5.4	8.2

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

Table 9

Analytical Data Summary for MW-7

Constituents	Units	12/10/2014	6/4/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	11/15/2017	6/18/2018
(3,4)-methylphenol	ug/L								
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	1.6	1.6	1.1	1.3	<1.0	1.0	1.9	<1.0
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	<1.0	1.0	<1.0	<1.0	<1.0	<1.0	1.1	<1.0
1,2-dinitrobenzene	ug/L								
1,3,5-trinitrobenzene	ug/L								
1,3-dichlorobenzene	ug/L								
1,3-dichloropropane	ug/L								
1,3-dinitrobenzene	ug/L								
1,4-dichlorobenzene	ug/L	2.2	1.9	1.7	2.0	<1.0	2.6	1.7	<1.0
1,4-naphthoquinone	ug/L								
1,4-phenylenediamine	ug/L								
1-naphthylamine	ug/L								
2,2-dichloropropane	ug/L								
2,3,4,6-tetrachlorophenol	ug/L								
2,4,5-t	ug/L								
2,4,5-tp (silvex)	ug/L								
2,4,5-trichlorophenol	ug/L								
2,4,6-trichlorophenol	ug/L								
2,4-d	ug/L								
2,4-dichlorophenol	ug/L								
2,4-dimethylphenol	ug/L								
2,4-dinitrophenol	ug/L								
2,4-dinitrotoluene	ug/L								
2,6-dichlorophenol	ug/L								
2,6-dinitrotoluene	ug/L								
2-acetylaminofluorene	ug/L								
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-chloronaphthalene	ug/L								
2-chlorophenol	ug/L								
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L								
2-methylphenol	ug/L								
2-naphthylamine	ug/L								
2-nitroaniline	ug/L								
2-nitrophenol	ug/L								
3,3'-dichlorobenzidine	ug/L								
3,3'-dimethylbenzidine	ug/L								
3-methylcholanthrene	ug/L								
3-nitroaniline	ug/L								
4,4'-ddd	ug/L								
4,4'-dde	ug/L								
4,4'-ddt	ug/L								
4,6-dinitro-2-methylphenol	ug/L								
4-aminobiphenyl	ug/L								
4-bromophenyl phenyl ether	ug/L								
4-chloro-3-methylphenol	ug/L								
4-chloroaniline	ug/L								
4-chlorophenyl phenyl ether	ug/L								
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	ug/L								
4-nitrophenol	ug/L								
5-nitro-o-toluidine	ug/L								
7,12-dimethylbenz(a)anthracene	ug/L								
Acenaphthene	ug/L								
Acenaphthylene	ug/L								
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	ug/L								
Acetophenone	ug/L								
Acrolein	ug/L								
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L								
Allyl chloride	ug/L								
Alpha-bhc	ug/L								
Anthracene	ug/L								

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

Table 9

Analytical Data Summary for MW-7

Constituents	11/28/2018	6/12/2019	12/5/2019	6/17/2020	12/7/2020	6/22/2021	12/2/2021	6/8/2022
(3,4)-methylphenol	<8							
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	1.0	<1.0	1.4	<1.0	2.5	3.1	5.0	5.6
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	<1							
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	<8							
1,2,4-trichlorobenzene	<1							
1,2-dibromo-3-chloropropane	<1	<1	<1	<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-dinitrobenzene	<8							
1,3,5-trinitrobenzene	<8							
1,3-dichlorobenzene	<1							
1,3-dichloropropane	<1							
1,3-dinitrobenzene	<8							
1,4-dichlorobenzene	3.6	<1.0	<1.0	6.2	4.0	11.2	3.7	4.7
1,4-naphthoquinone	<8							
1,4-phenylenediamine	<8							
1-naphthylamine	<8							
2,2-dichloropropane	<1							
2,3,4,6-tetrachlorophenol	<8							
2,4,5-t	<5							
2,4,5-tp (silvex)	<5							
2,4,5-trichlorophenol	<8							
2,4,6-trichlorophenol	<8							
2,4-d	<2							
2,4-dichlorophenol	<8							
2,4-dimethylphenol	<8							
2,4-dinitrophenol	<8							
2,4-dinitrotoluene	<8							
2,6-dichlorophenol	<8							
2,6-dinitrotoluene	<8							
2-acetylaminofluorene	<8							
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<10	<10
2-chloronaphthalene	<8							
2-chlorophenol	<8							
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	<8							
2-methylphenol	<8							
2-naphthylamine	<8							
2-nitroaniline	<8							
2-nitrophenol	<8							
3,3'-dichlorobenzidine	<8							
3,3'-dimethylbenzidine	<8							
3-methylcholanthrene	<8							
3-nitroaniline	<8							
4,4'-ddd	<.05							
4,4'-dde	<.05							
4,4'-ddt	<.05							
4,6-dinitro-2-methylphenol	<8							
4-aminobiphenyl	<8							
4-bromophenyl phenyl ether	<8							
4-chloro-3-methylphenol	<8							
4-chloroaniline	<8							
4-chlorophenyl phenyl ether	<8							
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline	<8							
4-nitrophenol	<8							
5-nitro-o-toluidine	<8							
7,12-dimethylbenz(a)anthracene	<8							
Acenaphthene	<8							
Acenaphthylene	<8							
Acetone	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	<10							
Acetophenone	<8							
Acrolein	<10							
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	<.05							
Allyl chloride	<1							
Alpha-bhc	<.05							
Anthracene	<8							

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

Table 9

Analytical Data Summary for MW-7

Constituents	Units	12/10/2014	6/4/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	11/15/2017	6/18/2018
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L								
Arochlor 1221	ug/L								
Arochlor 1232	ug/L								
Arochlor 1242	ug/L								
Arochlor 1248	ug/L								
Arochlor 1254	ug/L								
Arochlor 1260	ug/L								
Arsenic, total	ug/L	6.0	9.4	7.5	25.6	8.2	24.9	6.0	7.6
Azobenzene	ug/L								
Barium, total	ug/L	486	600	457	552	505	551	479	553
Benzene	ug/L	<1.0	<1.0	<1.0	1.5	<1.0	1.0	<1.0	<1.0
Benzo(a)anthracene	ug/L								
Benzo(a)pyrene	ug/L								
Benzo(b)fluoranthene	ug/L								
Benzo(g,h,i)perylene	ug/L								
Benzo(k)fluoranthene	ug/L								
Benzyl alcohol	ug/L								
Beryllium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
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	<10	<10	<10	<10	16	<6	11	<6
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L								
Cadmium, total	ug/L	<.8	<.8	3.1	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L								
Chlorobenzene	ug/L	1.7	1.9	1.8	1.8	1.6	1.8	2.0	<1.0
Chlorobenzilate	ug/L								
Chloroethane	ug/L	16.0	16.9	14.4	14.6	14.0	13.6	16.4	10.7
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	5.0	5.4	4.9	6.0	6.0	6.7	8.0	6.4
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	23.6	28.3	21.0	25.8	23.2	27.0	14.7	23.0
Copper, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Cyanide, total	mg/L								
Delta-bhc	ug/L								
Diallate	ug/L								
Dibenzo(a,h)anthracene	ug/L								
Dibenzofuran	ug/L								
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	1.1	1.4	<1.0	<1.0	<1.0	<1.0	1.2	<1.0
Dieldrin	ug/L								
Diethyl phthalate	ug/L								
Dimethoate	ug/L								
Dimethylphthalate	ug/L								
Di-n-butyl phthalate	ug/L								
Di-n-octyl phthalate	ug/L								
Dinoseb	ug/L								
Diphenylamine	ug/L								
Disulfoton	ug/L								
Endosulfan i	ug/L								
Endosulfan ii	ug/L								
Endosulfan sulfate	ug/L								
Endrin	ug/L								
Endrin aldehyde	ug/L								
Ethyl methacrylate	ug/L								
Ethyl methanesulfonate	ug/L								
Ethylbenzene	ug/L	<1	<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-7

Constituents	11/28/2018	6/12/2019	12/5/2019	6/17/2020	12/7/2020	6/22/2021	12/2/2021	6/8/2022
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	11.9	78.1	36.6	52.2	16.5	28.4	11.1	55.4
Azobenzene	<8							
Barium, total	568	591	507	574	529	560	467	585
Benzene	<1.0	1.8	1.2	2.0	1.0	1.4	1.2	1.4
Benzo(a)anthracene	<8							
Benzo(a)pyrene	<8							
Benzo(b)fluoranthene	<8							
Benzo(g,h,i)perylene	<8							
Benzo(k)fluoranthene	<8							
Benzyl alcohol	<8							
Beryllium, total	<4	<4	<4	<4	<4	<4	<4	<4
Beta-bhc	<.05							
Bis (2-chloroethoxy) methane	<8							
Bis(2-chloroethyl) ether	<8							
Bis(2-chloroisopropyl) ether	<8							
Bis(2-ethylhexyl) phthalate	25	<6	<6	<6	<6	<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							
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	<.1							
Chlorobenzene	2.0	1.5	2.0	2.4	2.5	3.1	2.5	2.7
Chlorobenzilate	<8							
Chloroethane	12.0	16.2	14.7	15.2	14.2	14.7	18.4	16.1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	<1							
Chromium, total	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene	<8							
Cis-1,2-dichloroethylene	9.6	3.4	7.5	12.3	9.3	13.1	16.8	18.6
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	25.9	33.1	31.1	33.5	27.1	32.2	24.6	31.5
Copper, total	13	<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
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	<1.0	1.7	2.1	<1.0	<1.0	<1.0	<1.0	<1.0
Dieldrin	<.05							
Diethyl phthalate	<8							
Dimethoate	<.4							
Dimethylphthalate	<8							
Di-n-butyl phthalate	<8							
Di-n-octyl phthalate	<8							
Dinoseb	<.5							
Diphenylamine	<8							
Disulfoton	<.4							
Endosulfan i	<.05							
Endosulfan ii	<.05							
Endosulfan sulfate	<.05							
Endrin	<.05							
Endrin aldehyde	<.05							
Ethyl methacrylate	<10							
Ethyl methanesulfonate	<8							
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	<.4							
Fluoranthene	<8							
Fluorene	<8							
Gamma-bhc (lindane)	<.05							
Heptachlor	<.05							
Heptachlor epoxide	<.05							
Hexachlorobenzene	<.05							

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

Table 9

Analytical Data Summary for MW-7

Constituents	Units	12/10/2014	6/4/2015	12/1/2015	6/27/2016	11/30/2016	6/22/2017	11/15/2017	6/18/2018
Hexachlorobutadiene	ug/L								
Hexachlorocyclopentadiene	ug/L								
Hexachloroethane	ug/L								
Hexachloropropene	ug/L								
Indeno(1,2,3-cd)pyrene	ug/L								
Isobutanol	mg/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	23.2	30.1	20.8	42.9	21.5	24.3	26.8	21.6
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	<8
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	684							
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	<4	<4	<4	<4	<4	<4	<4
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	<8.0	<8.0	<8.0	8.2	<8.0	<8.0	<8.0	<8.0

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

Table 9

Analytical Data Summary for MW-7

Constituents	11/28/2018	6/12/2019	12/5/2019	6/17/2020	12/7/2020	6/22/2021	12/2/2021	6/8/2022
Hexachlorobutadiene	<8							
Hexachlorocyclopentadiene	<8							
Hexachloroethane	<8							
Hexachloropropene	<8							
Indeno(1,2,3-cd)pyrene	<8							
Isobutanol	<1							
Isodrin	<8							
Isophorone	<8							
Isosafrole	<8							
Kepone	<8							
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	<5							
Methacrylonitrile	<1							
Methapyriline	<8							
Methoxychlor	<.05							
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	<1							
Methyl methanesulfonate	<8							
Methyl parathion	<.4							
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	<8							
Nickel, total	23.9	45.9	33.2	37.1	26.3	34.2	22.2	27.3
Nitrobenzene	<8							
N-nitrosodiethylamine	<8							
N-nitrosodimethylamine	<8							
N-nitrosodi-n-butylamine	<8							
N-nitroso-di-n-propylamine	<8							
N-nitrosodiphenylamine	<8							
N-nitrosomethylethylamine	<8							
N-nitrosopiperidine	<8							
N-nitrosopyrrolidine	<8							
O,o,o-triethyl phosphorothioate	<.4							
O-toluidine	<8							
Parathion	<.4							
P-dimethylaminoazobenzene	<8							
Pentachlorobenzene	<8							
Pentachloronitrobenzene (pcnb)	<8							
Pentachlorophenol	<8							
Phenacetin	<8							
Phenanthrene	<8							
Phenol	<8							
Phorate	<.4							
Pronamide	<8							
Propionitrile	<10							
Pyrene	<8							
Safrole	<8							
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<8	<4	<4	<4	<4	<4	<4
Solids, total suspended								
Styrene	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	<.1							
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4	<2	<2	<2	<2	<2	<2	<2
Thionazin	<.4							
Tin, total	<20							
Toluene	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	<.2							
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<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	11.4	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 10 – Historic SSI and SSL – **not required**

Table 11 – Corrective Action Trend Analysis – **not required**

Table 12 – Corrective Action Monitoring Results Over Time (MW20-2, MW20-6, and MW22-2)

Table 12
MW20-2 - Water Quality over Time
Annual Water Quality Report
Iowa County Sanitary Landfill
Permit No. 48-SDP-02-79P

= concentration exceeds the GWPS.

Sample Date	1,1-Dichloroethane		1,2-Dichloroethane		1,4-dichlorobenzene		chlorobenzene		Low chloroethane		cis-1,2-DCE		PCE		trans-1,2-DCE		TCE		trichlorotrifluoromethane		Vinyl Chloride		
	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
11/30/2016		470	140	<1.0	5	1.2	75	4.3	100	93.9	2800	66.2	70	17.0	5	5.3	100	13.7	5	8.7	2000	15.6	2
6/22/2021		270	140	<1.0	5	2.6	75	5	100	78.8	2800	30.3	70	9.0	5	3.4	100	4.4	5	4.3	2000	8.7	2
12/2/2021		282	140	1.2	5	1.9	75	3.8	100	69.2	2800	34.9	70	4.2	5	2.8	100	3	5	4.6	2000	7.7	2
6/8/2022		219	140	1.2	5	1.5	75	3.6	100	69.3	2800	35.3	70	2.2	5	3.4	100	2.3	5	2.4	2000	4.0	2
11/22/2022		256	140	<1.0	5	<1.0	75	3	100	56.0	2800	34.0	70	1.6	5	2.6	100	1.5	5	1.8	2000	5.3	2
6/6/2023		215	140	1.2	5	1.4	75	3.6	100	42.9	2800	25.0	70	1.5	5	2.6	100	1.6	5	1.8	2000	4.7	2
12/4/2023		186	140	<1.0	5	1.2	75	3.4	100	41.8	2800	24.2	70	<1.0	5	2.7	100	1.1	5	2.6	2000	5.7	2
6/6/2024		243	140	2.7	5	<1.0	75	3.7	100	25.7	2800	45.2	70	8.0	5	2.6	100	12.7	5	10.6	2000	4.1	2
12/4/2024		191	140	1	5	1.1	75	3.7	100	31.5	2800	26.2	70	<1.0	5	2.5	100	1.3	5	1.4	2000	3.6	2
6/12/2025		166	140	<1.0	5	1.3	75	3.0	100	34.7	2800	26.8	70	2.0	5	2.1	100	1.9	5	<1.0	2000	2.0	2
12/9/2025		148	140	<1.0	5	1.1	75	3.4	100	23.0	2800	22.4	70	<1.0	5	2.1	100	1.3	5	1.2	2000	2.5	2

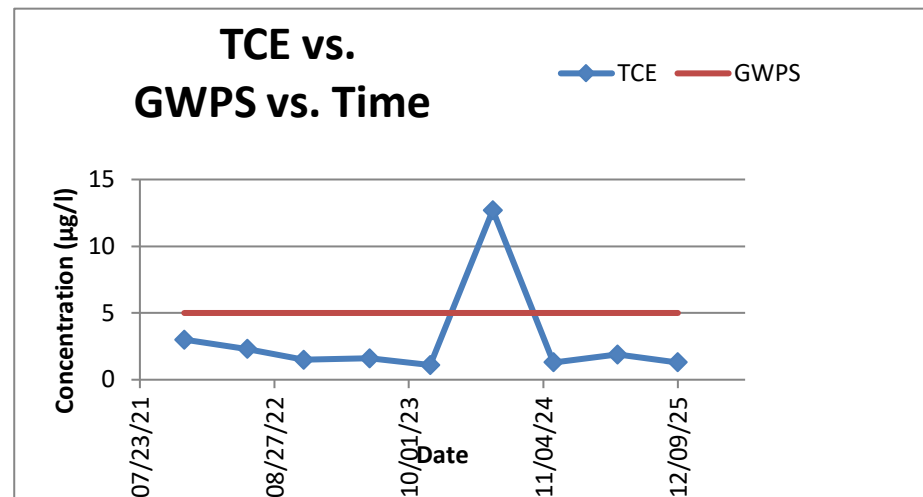
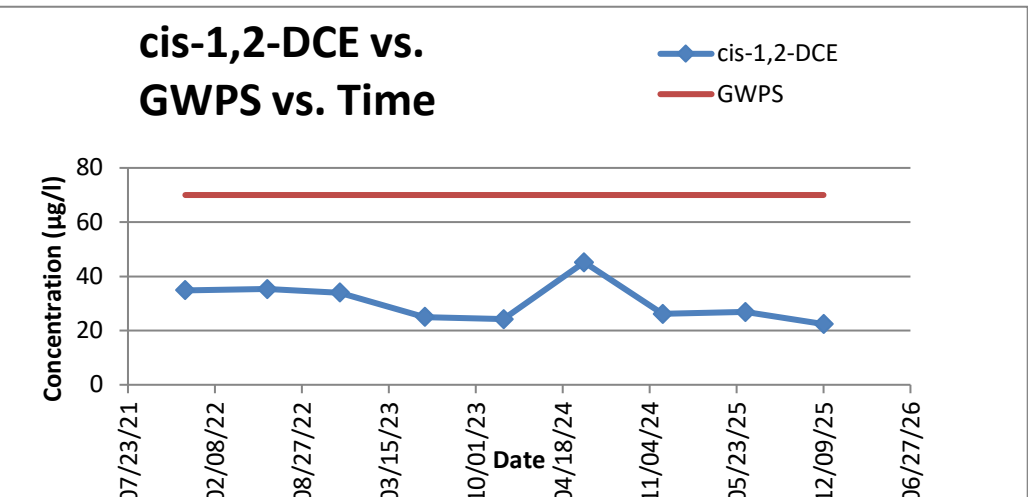
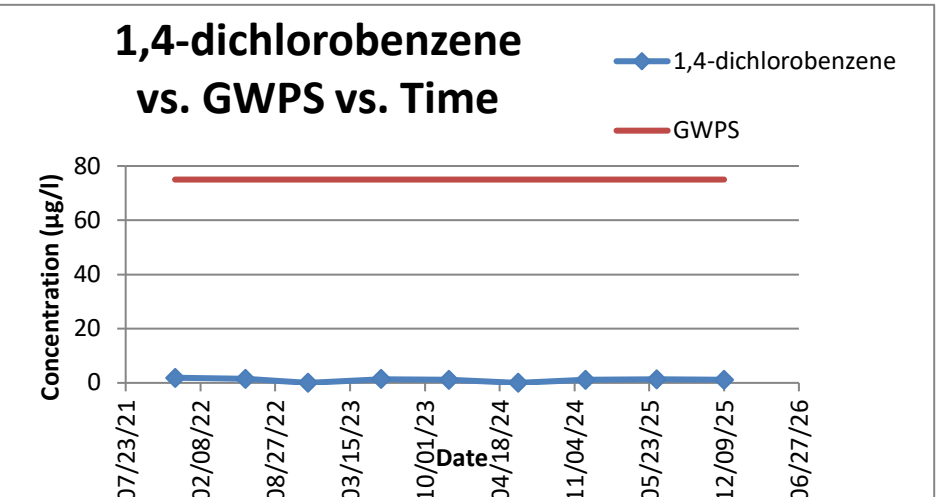
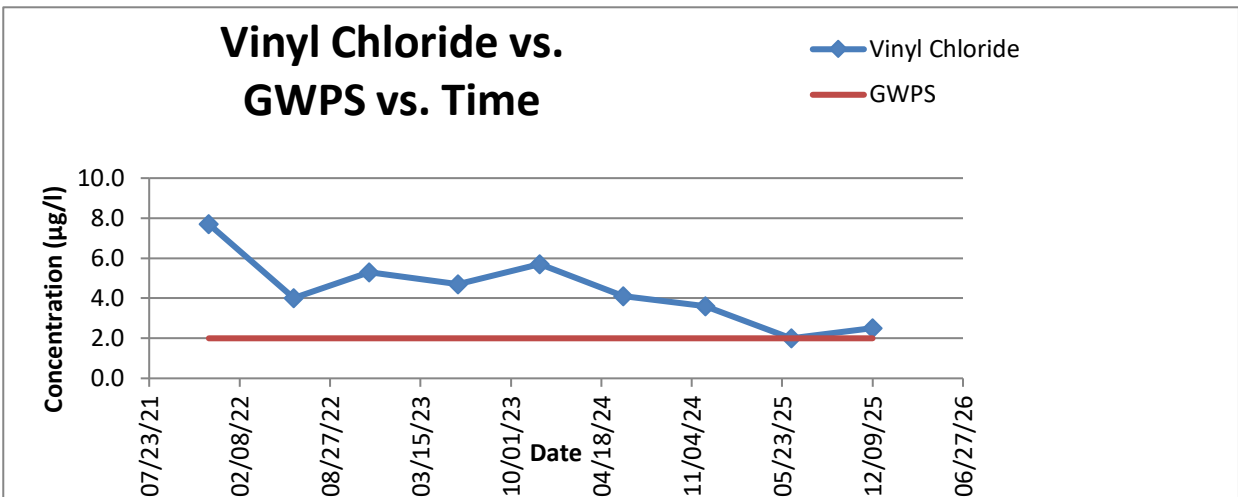
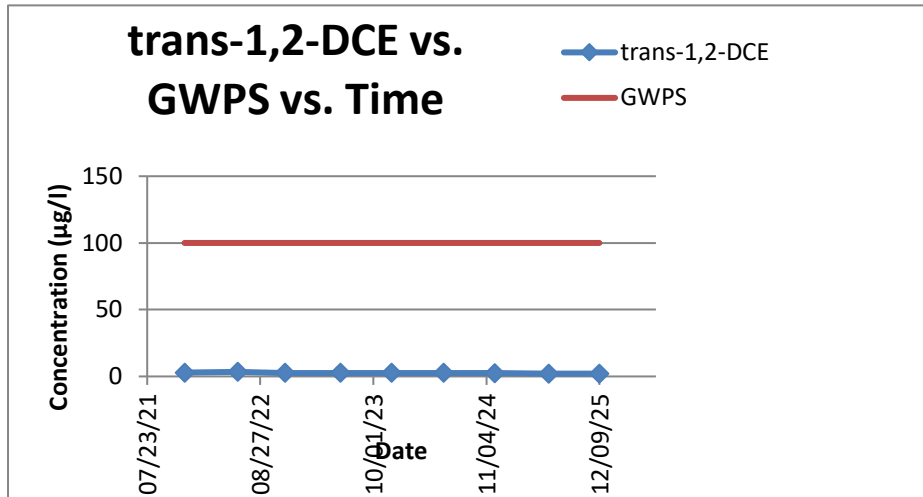
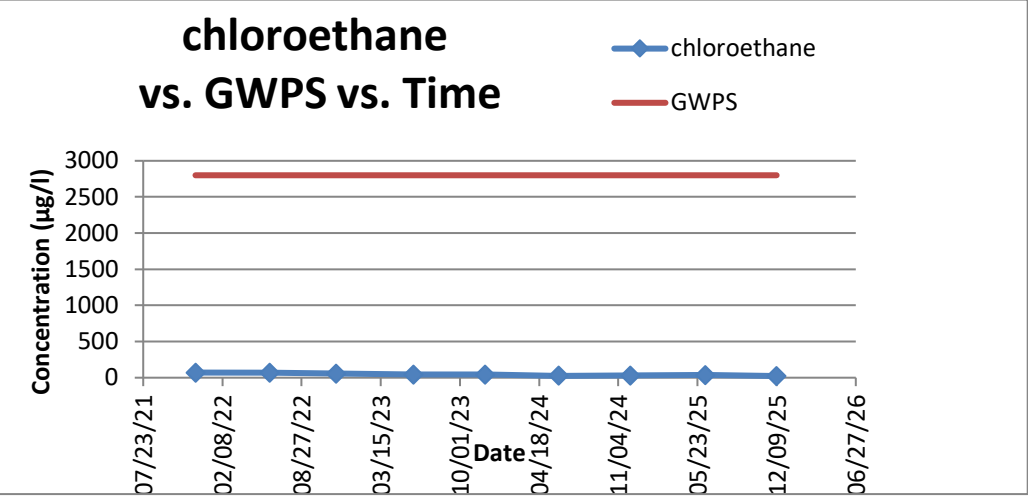
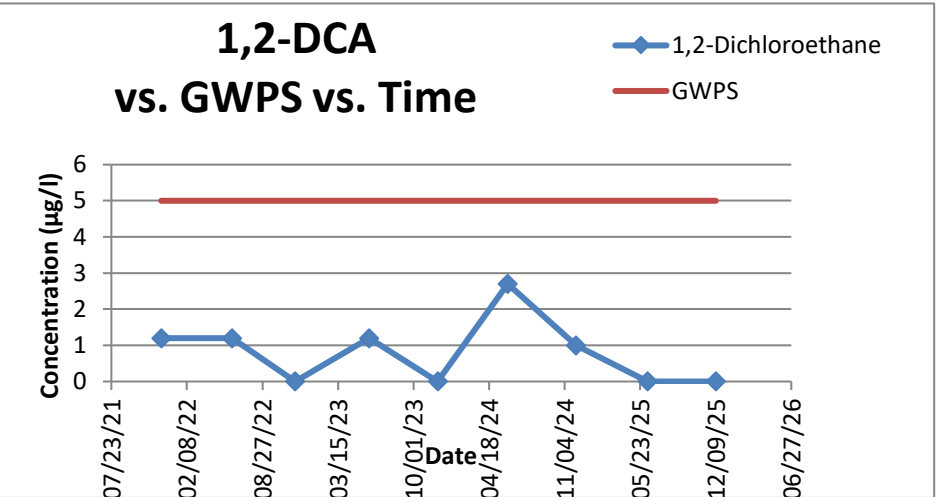
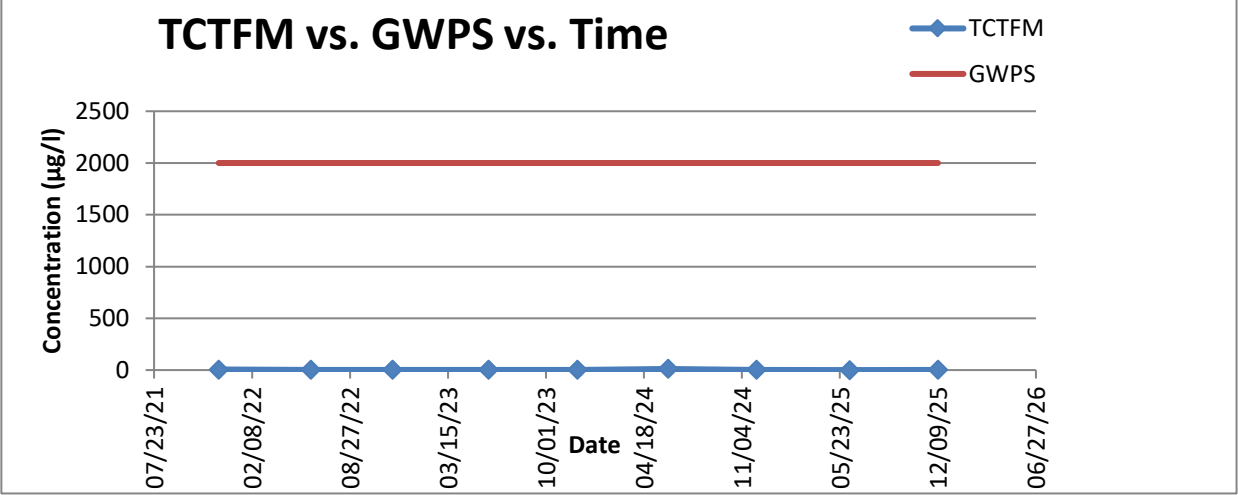
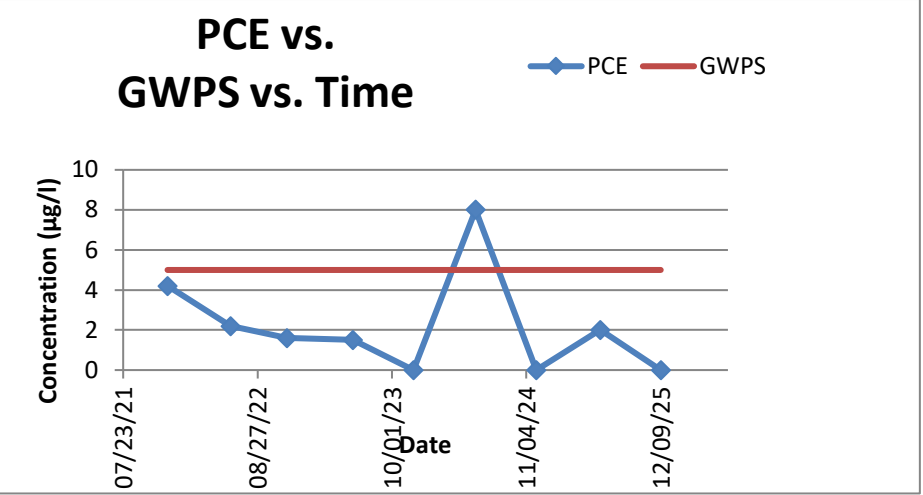
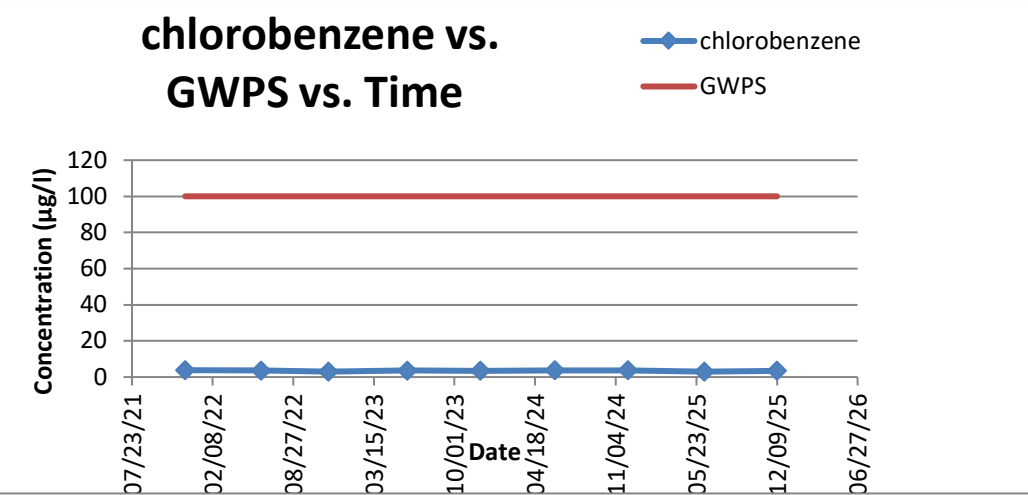
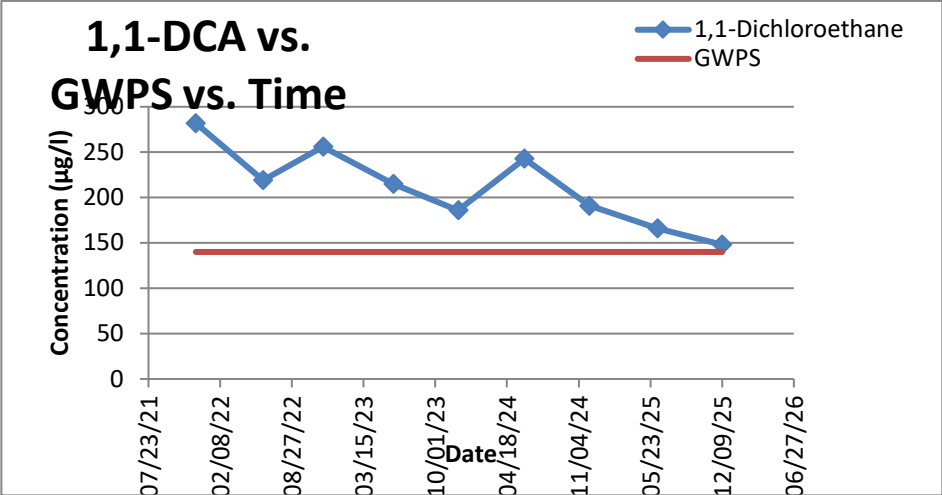


Table 12
MW20-6 - Water Quality over Time
Annual Water Quality Report
Iowa County Sanitary Landfill
Permit No. 48-SDP-02-79P

= concentration exceeds the GWPS.

Sample Date	1,1-Dichloroethane		1,2-Dichloroethane		1,2-dichloropropane		chlorobenzene		Low chloroethane		cis-1,2-DCE		PCE		trans-1,2-DCE		TCE		trichlorotrifluoromethane		Vinyl Chloride		Benzene	
	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS		
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
12/9/2016	449	140	2.4	5	1.3	75	2	100	32.4	2800	75.9	70	3.6	5	3.9	100	13.4	5	16.9	2000	5.4	2	1.1	5
6/22/2021	310	140	3.5	5	1.9	75	4	100	44	2800	90.4	70	8.4	5	5	100	17.8	5	12	2000	6.3	2	1.2	5
12/2/2021	318	140	2.7	5	1.6	75	3.4	100	45.2	2800	76.9	70	7.1	5	4.1	100	16.3	5	6.7	2000	7.1	2	<1.0	5
6/8/2022	272	140	3.3	5	2.0	75	3.2	100	37.7	2800	70.4	70	6.4	5	3.9	100	14.1	5	9.6	2000	3.6	2	<1.0	5
11/22/2022	135	140	<1.0	5	<1.0	75	3.3	100	38.8	2800	71.7	70	7.3	5	4.1	100	15.0	5	6.1	2000	6.9	2	<1.0	5
6/6/2023	271	140	3.0	5	1.9	75	3.5	100	26.7	2800	53.3	70	5.9	5	3.4	100	12.5	5	6.6	2000	5	2	<1.0	5
12/4/2023	303	140	2.8	5	1.6	75	3.1	100	26.7	2800	49.8	70	6.5	5	3.6	100	12.8	5	12.6	2000	5.6	2	<1.0	5
6/6/2024	12.4	140	<1.0	5	<1.0	75	<1.0	100	<1.0	2800	1.1	70	<1.0	5	<1.0	100	<1.0	5	<1.0	2000	<1.0	2	<1.0	5
12/4/2024	272	140	2.6	5	1.6	75	2.4	100	21.6	2800	43.3	70	7.1	5	2	100	10.2	5	8.9	2000	2.8	2	<1.0	5
6/12/2025	235	140	2.3	5	1.5	75	2.9	100	23.9	2800	56.8	70	7.6	5	<1.0	100	10.9	5	13.5	2000	3.2	2	<1.0	5
12/9/2025	196	140	2.2	5	1.6	75	2.9	100	22.6	2800	42.9	70	7.4	5	1.8	100	10.1	5	12.2	2000	1.8	2	<1.0	5

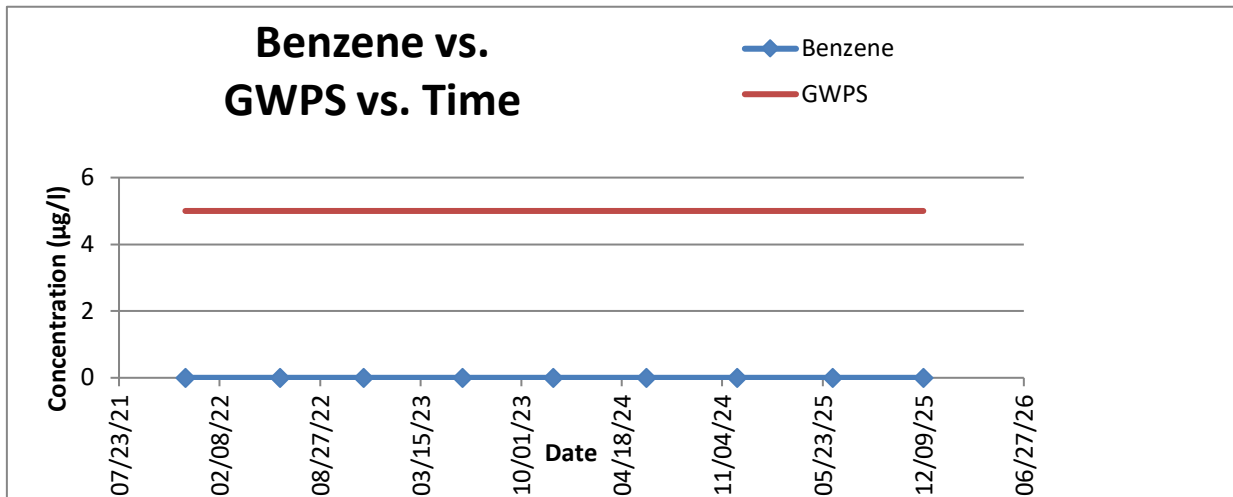
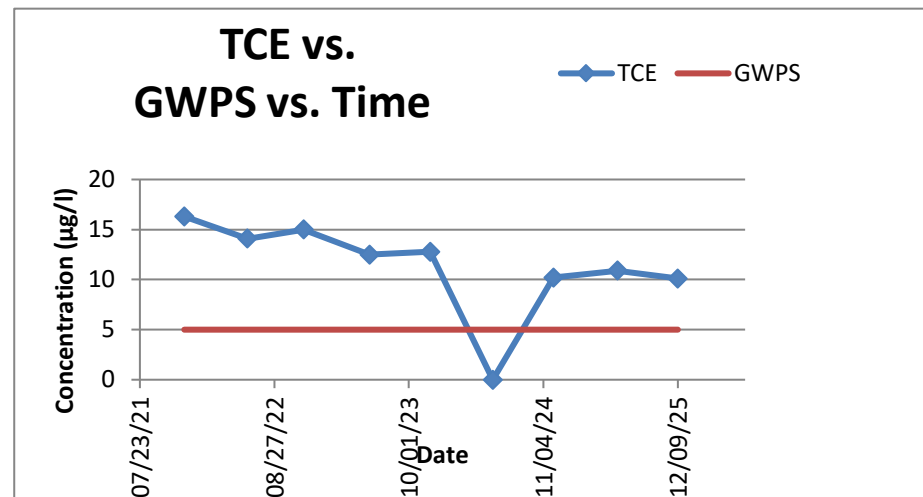
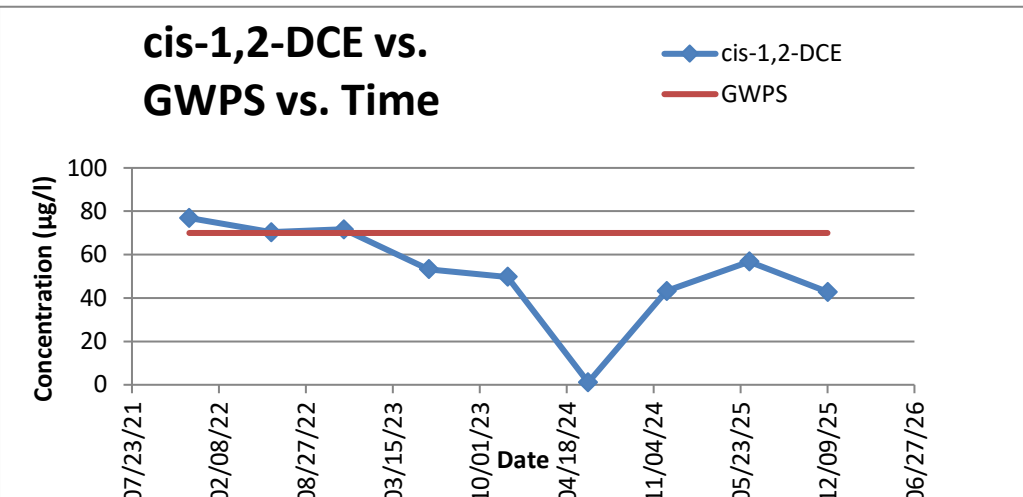
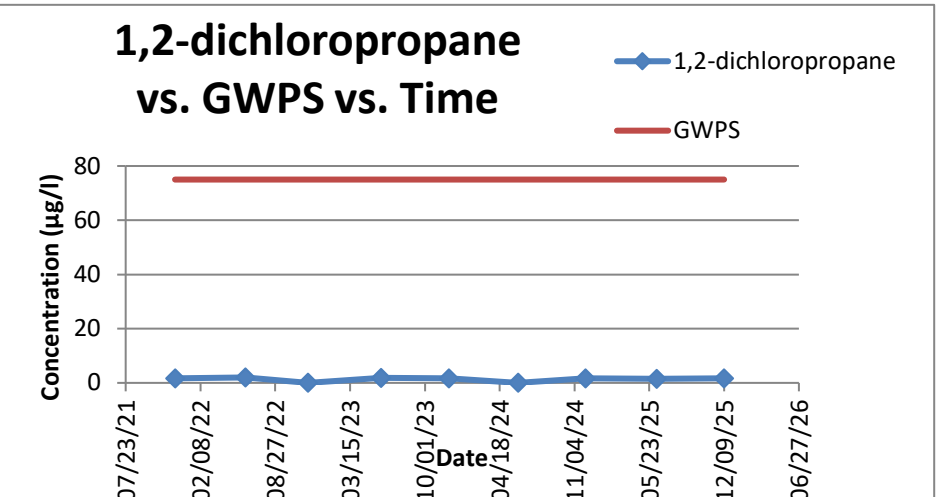
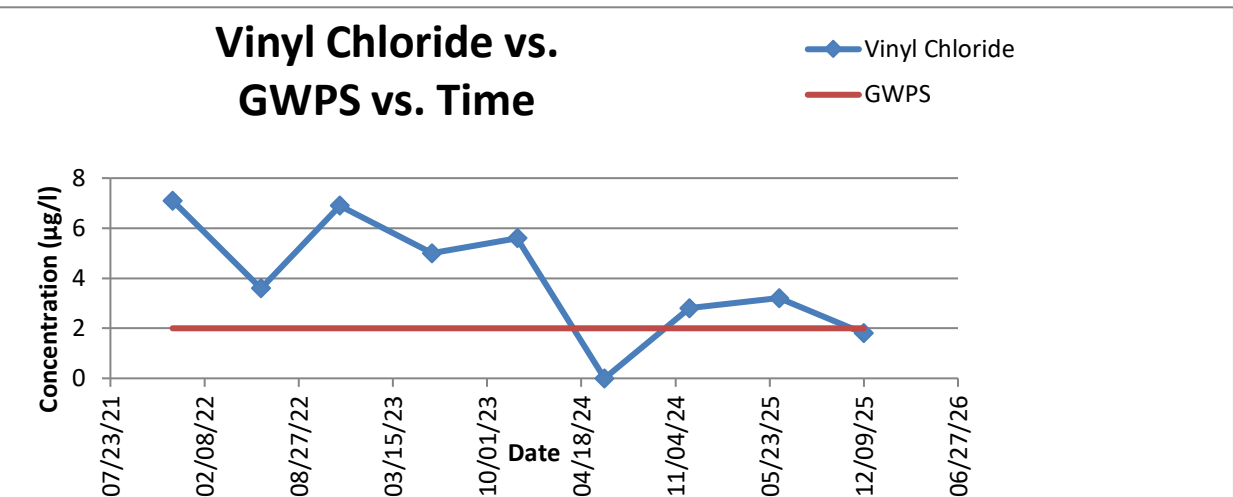
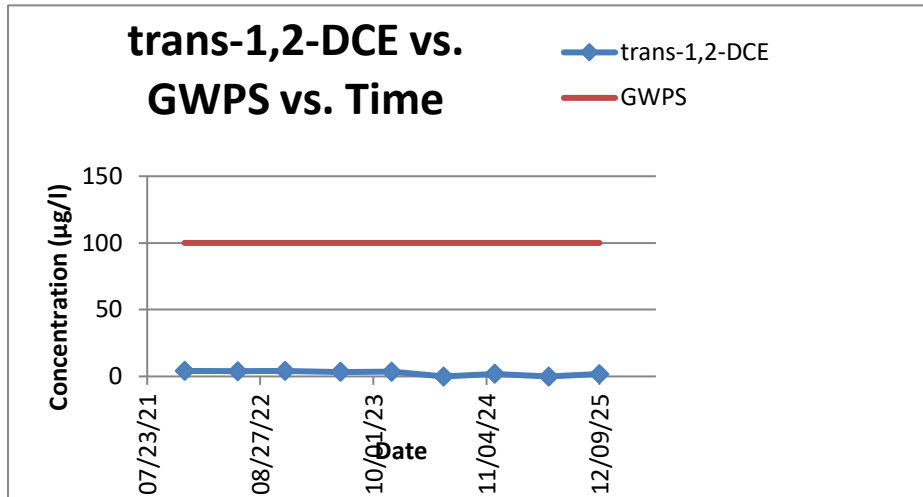
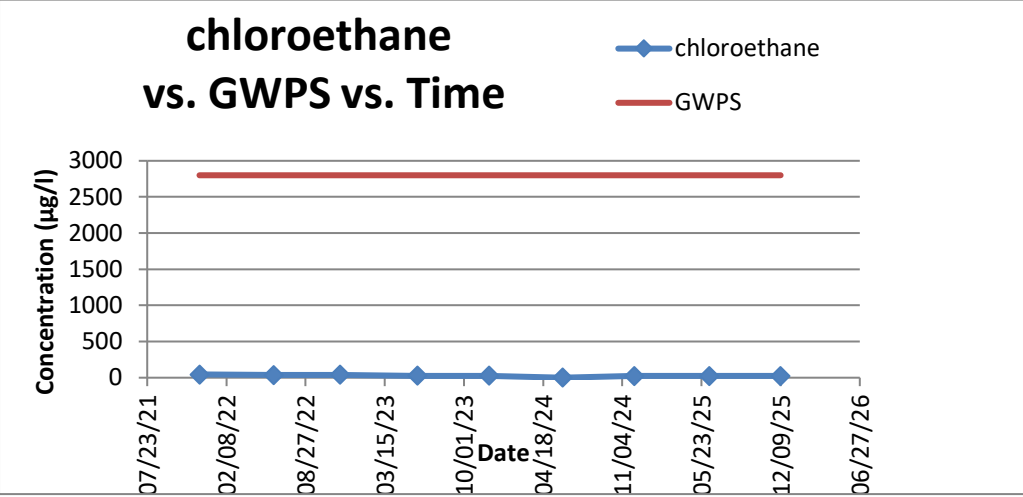
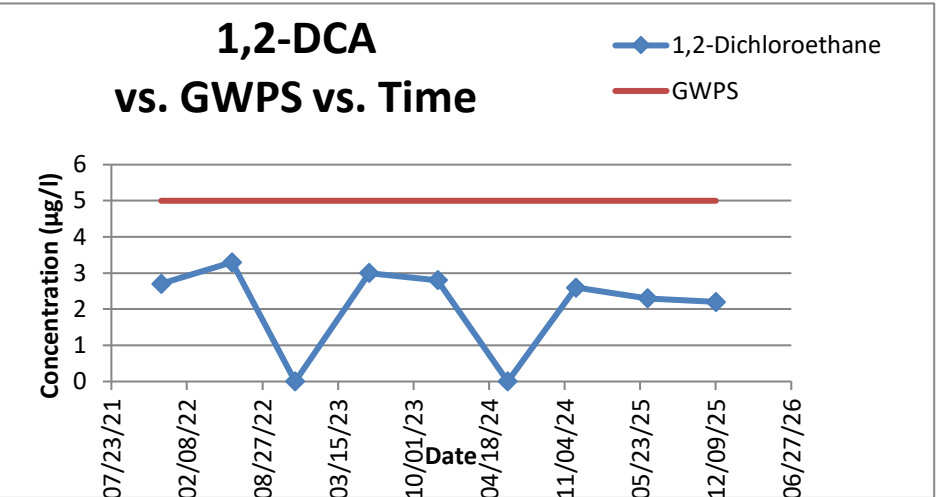
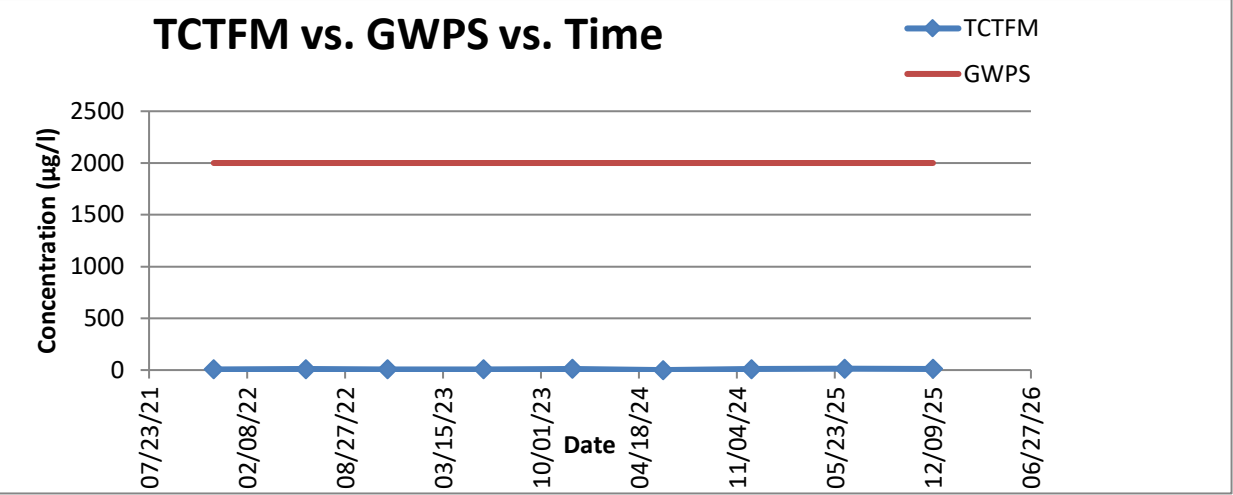
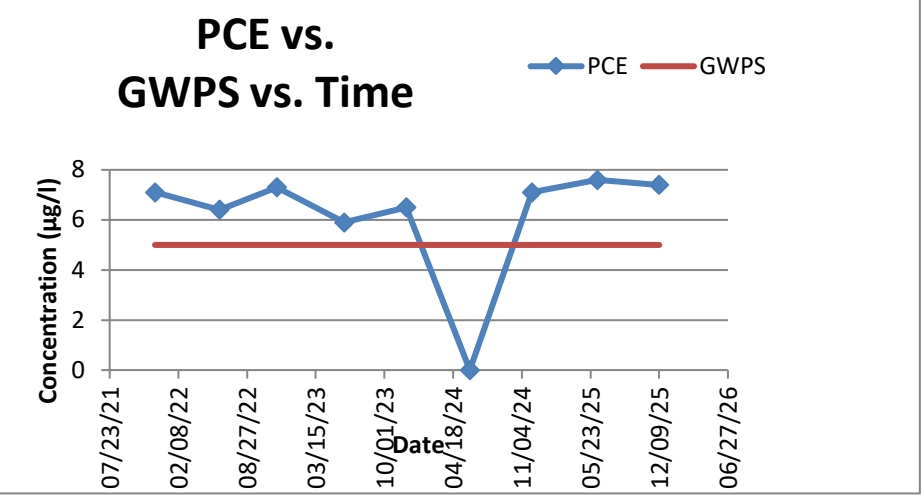
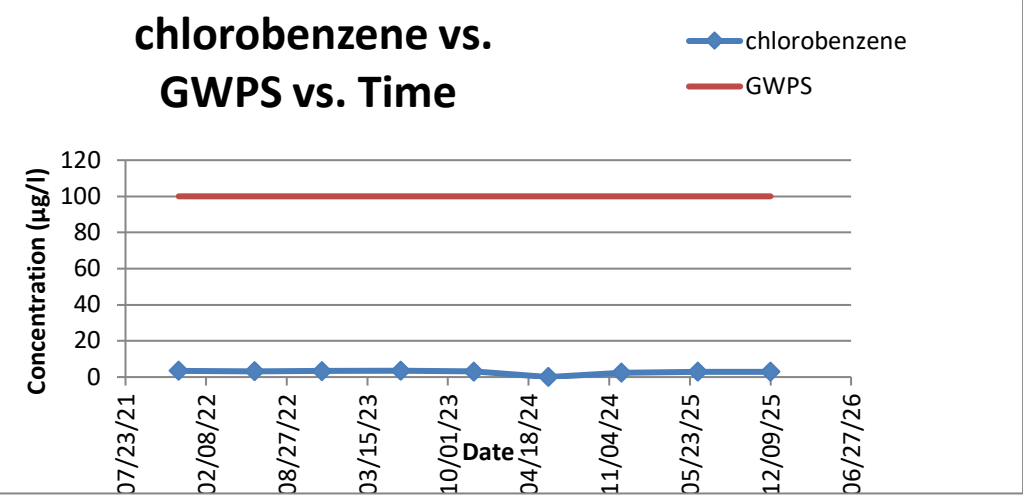
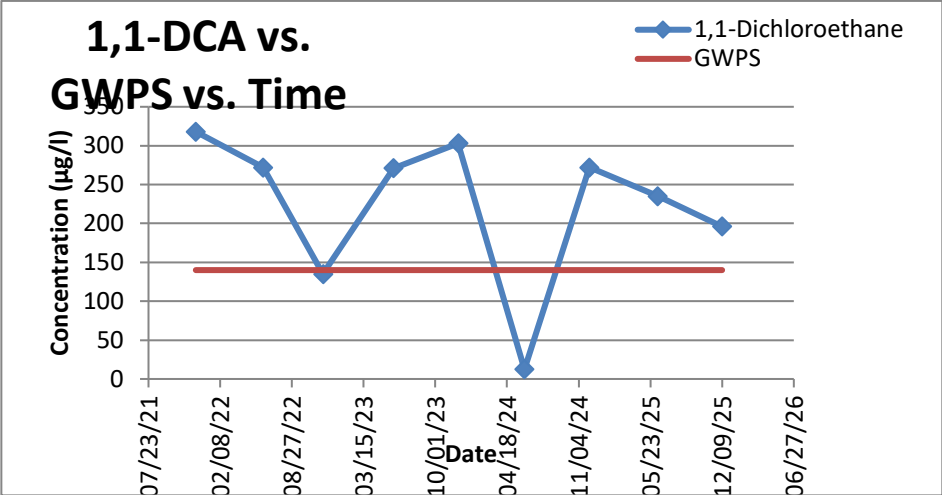


Table 12
MW22-2 - Water Quality over Time
Annual Water Quality Report
Iowa County Sanitary Landfill
Permit No. 48-SDP-02-79P

= concentration exceeds the GWPS.

Sample Date	1,1-Dichloroethane		1,2-Dichloroethane		1,4-dichlorobenzene		chlorobenzene		Low chloroethane		cis-1,2-DCE		Benzene		trans-1,2-DCE		trichlorotrifluoromethane		Vinyl Chloride		Cobalt			
	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS	Concentration	GWPS				
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L				
11/30/2016	437	140	<1.0	5	<1.0	75	5.9	100	227	2800	319	70	1.8	5	7.1	100	<1.0	2000	36.9	2				
6/22/2021	191	140	3.5	5	1.9	75	8.8	100	165	2800	142	70	1.7	5	3.6	100	<1.0	2000	19.3	2	2.2	10.7		
12/2/2021	249	140	3.3	5	2.1	75	9.2	100	187	2800	145	70	1.7	5	3.5	100	1.3	2000	24.3	2	2.7	10.7		
6/8/2022	184	140	4.5	5	2.0	75	9.1	100	123	2800	139	70	2.2	5	4.2	100	<1.0	2000	15.5	2	2.4	10.7		
11/22/2022	222	140	<1.0	5	1.7	75	8.4	100	144	2800	122	70	1.9	5	<1.0	100	<1.0	2000	<1.0	2	6	10.7		
6/6/2023	186	140	3.4	5	2.2	75	8.6	100	124	2800	89.7	70	1.4	5	3.3	100	<1.0	2000	16.0	2	3.8	10.7		
12/4/2023	192	140	2.9	5	1.7	75	6.8	100	105	2800	83	70	1.3	5	3.2	100	<1.0	2000	14.0	2	1.5	10.7		
6/6/2024	209	140	3.5	5	2.4	75	9.8	100	132	2800	95	70	1.3	5	3.7	100	<1.0	2000	20.0	2	2.1	10.7		
12/4/2024	198	140	3.4	5	2	75	7.0	100	98.1	2800	93.6	70	<1.0	5	3.3	100	<1.0	2000	15.1	2	1.5	10.7		
6/12/2025	175	140	2.9	5	2.6	75	8.9	100	109	2800	109	70	<1.0	5	3.6	100	<1.0	2000	16.1	2	1.5	10.7		
12/9/2025	139	140	2.8	5	2.5	75	8.4	100	105	2800	70.4	70	<1.0	5	3.4	100	<1.0	2000	15.0	2	1.5	10.7		

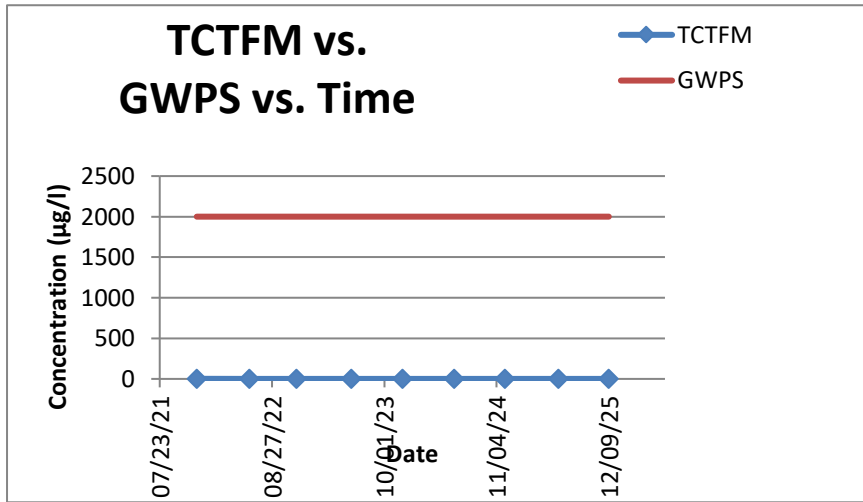
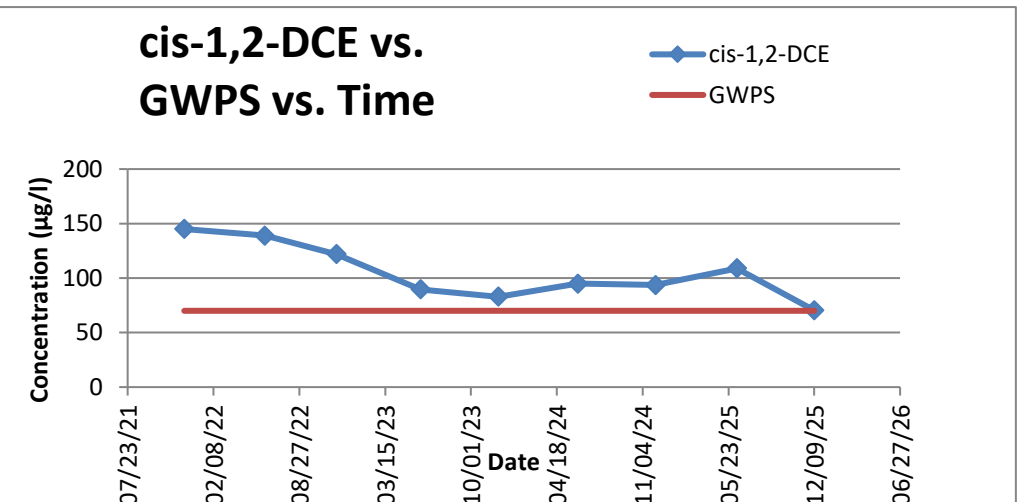
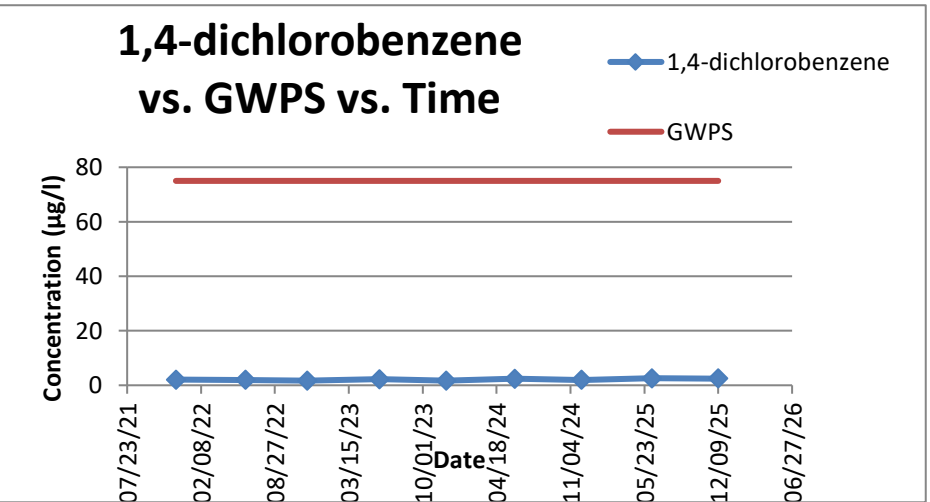
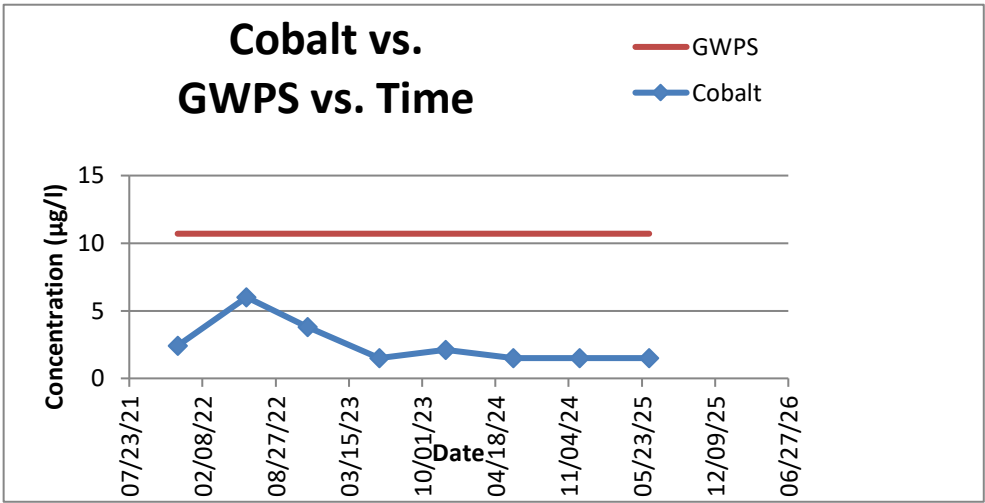
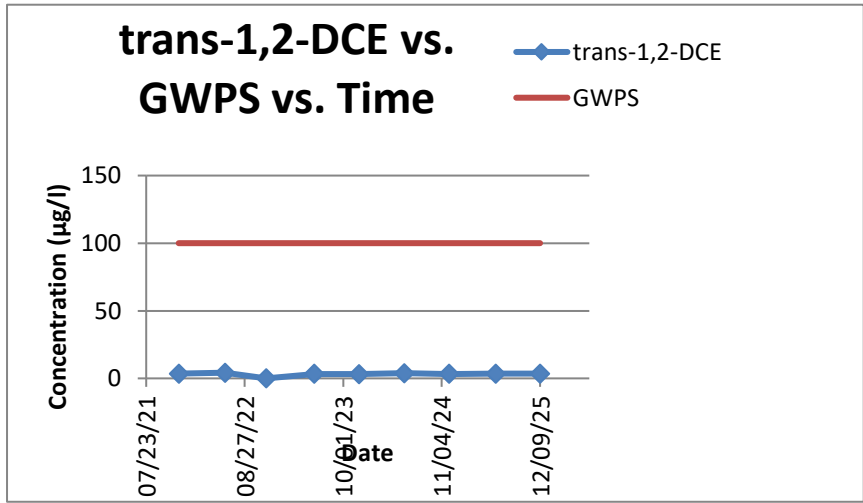
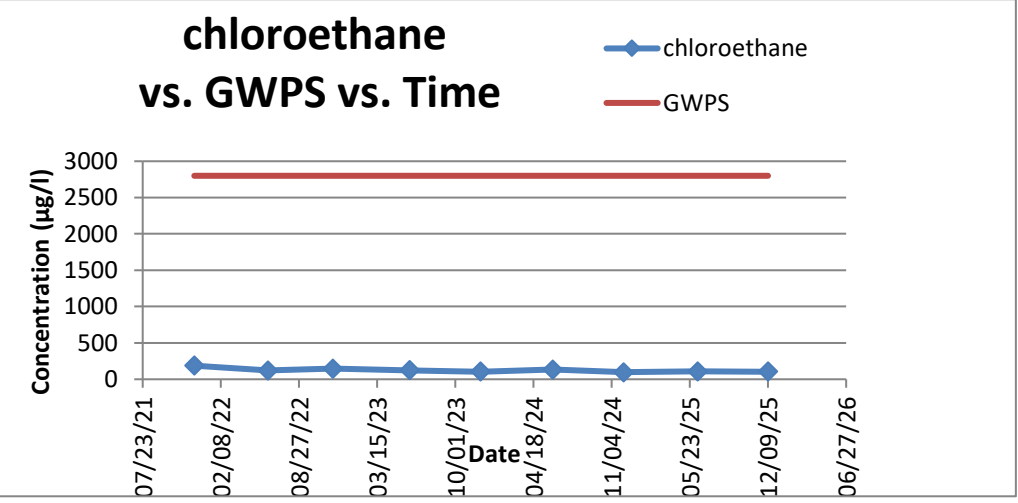
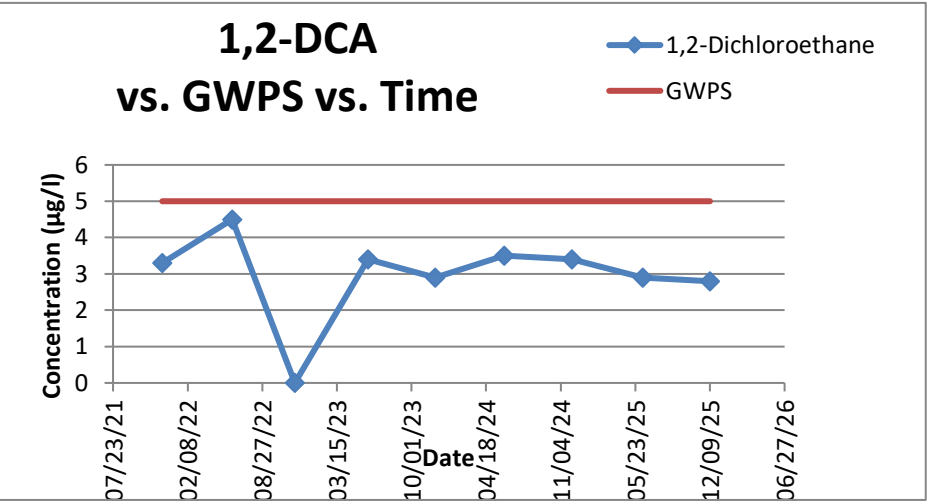
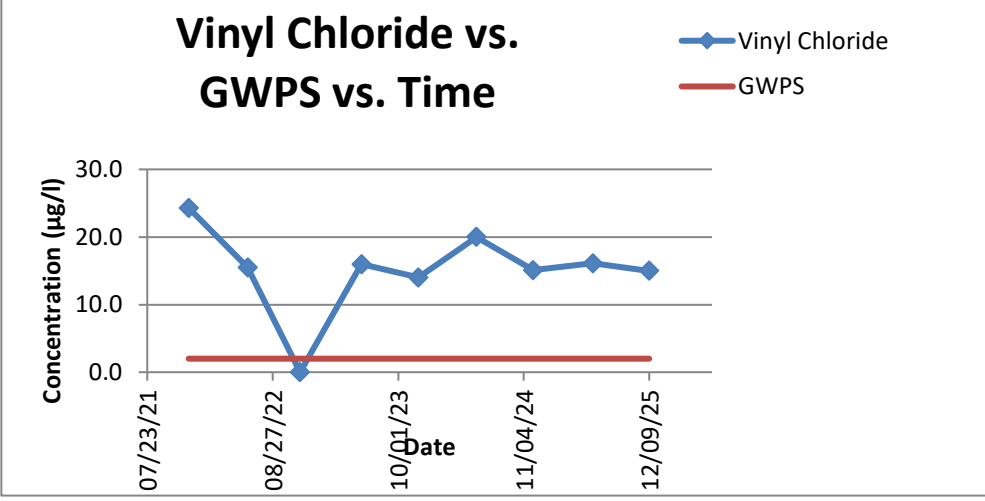
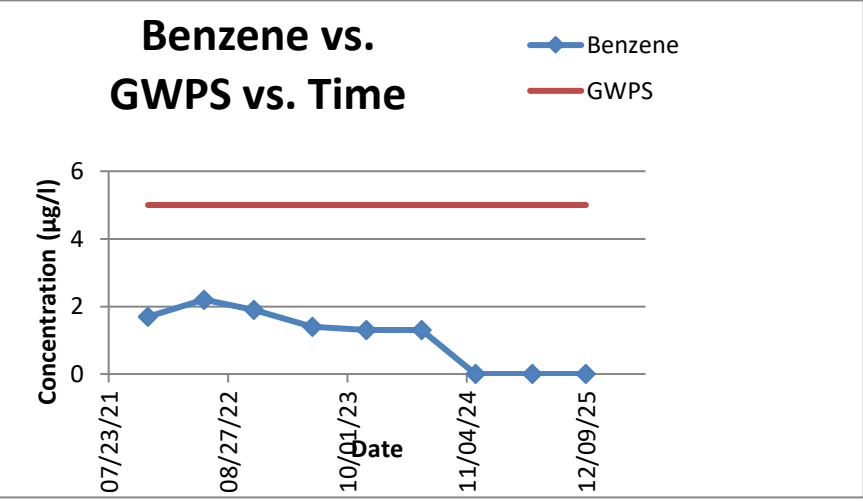
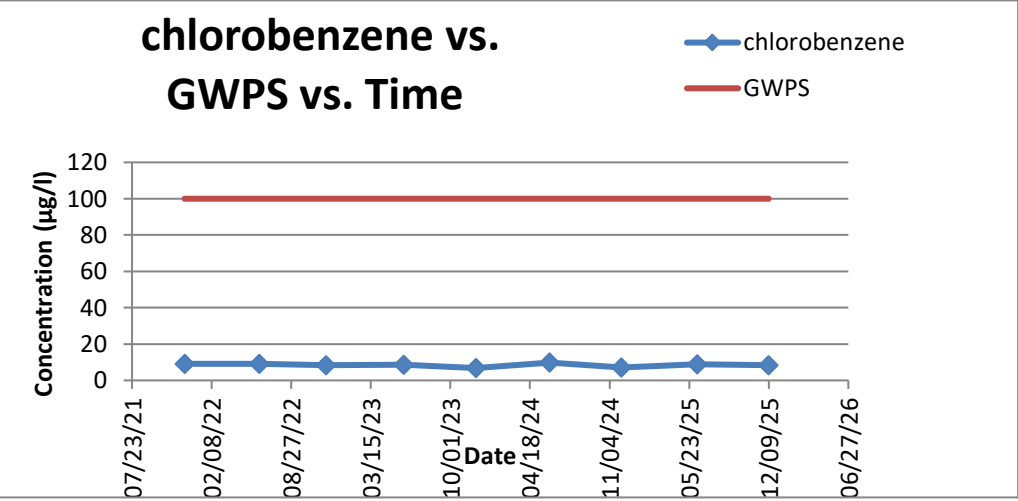
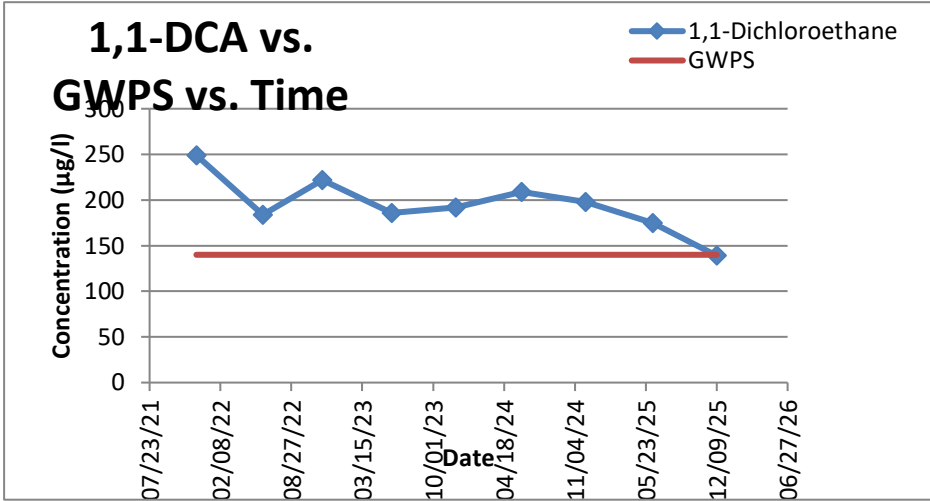


Table 13A – Leachate Levels (RCRA Area A)

Table 13A
Iowa County Sanitary Landfill
48-SDP-2-79P
LEACHATE PIEZOMETER MEASUREMENTS - AREA A & AREA B
2025

Date	LPZ-101 LPZ Depth = 13.5 ft Leachate Limit ≥ 12.5 ft			LPZ-102 LPZ Depth = 10.6 ft Leachate Limit ≥ 9.6 ft			LPZ-103 LPZ Depth = 7.8 Leachate Limit ≥ 6.8 ft			LPZ-105 LPZ Depth = 9.5 Leachate Limit ≥ 8.5 ft			LPZ-107 LPZ Depth = 6.6 Leachate Limit ≥ 5.6 ft			LPZ-109 LPZ Depth = 7.9 Leachate Limit ≥ 6.9 ft		
	Depth to Liquid or Dry (ft)	Depth to Top of Liner (ft)	Thickness Leachate (ft)	Depth to Liquid or Dry (ft)	Depth to Top of Liner (ft)	Thickness Leachate (ft)	Depth to Liquid or Dry (ft)	Depth to Top of Liner (ft)	Thickness Leachate (ft)	Depth to Liquid or Dry (ft)	Depth to Top of Liner (ft)	Thickness Leachate (ft)	Depth to Liquid or Dry (ft)	Depth to Top of Liner (ft)	Thickness Leachate (ft)	Depth to Liquid or Dry (ft)	Depth to Top of Liner (ft)	Thickness Leachate (ft)
Jan.	13.6	13.5	0	10.6	10.6	0	7.65	7.8	0.15	7.4	9.4	2	6.6	6.6	0	7.9	7.9	0
Feb.	13.7	13.5	0	10.6	10.6	0	7.7	7.8	0.1	7.8	9.4	1.6	6.6	6.6	0	7.9	7.9	0
Mar. HLW	13.6	13.5	0	10.6	10.6	0	7.65	7.8	0.15	5.3	9.4	4.1	6.15	6.6	0.45	7.9	7.9	0
Apr.	13.7	13.5	0	10.35	10.6	0.25	7.65	7.8	0.15	4.7	9.4	4.7	6.35	6.6	0.25	7.9	7.9	0
May	13.7	13.5	0	10.6	10.6	0	7.8	7.8	0	5.9	9.4	3.5	6.4	6.6	0.2	7.9	7.9	0
June HLW	13.5	13.5	0	10.6	10.6	0	7.55	7.8	0.25	5.91	9.4	3.49	6.4	6.6	0.2	7.9	7.9	0
July	13.7	13.5	0	10.6	10.6	0	7.7	7.8	0.1	5.4	9.4	4	6.4	6.6	0.2	7.9	7.9	0
Aug.	13.7	13.5	0	10.6	10.6	0	7.75	7.8	0.05	7	9.4	2.4	6.5	6.6	0.1	7.9	7.9	0
Sep. HLW	13.6	13.5	0	10.6	10.6	0	7.75	7.8	0.05	7.5	9.4	1.9	6.35	6.6	0.25	7.9	7.9	0
Oct.	13.7	13.5	0	10.6	10.6	0	7.75	7.8	0.05	8.7	9.4	0.7	6.5	6.6	0.1	7.9	7.9	0
Nov.	13.7	13.5	0	10.6	10.6	0	7.75	7.8	0.05	8.85	9.4	0.55	6.5	6.6	0.1	7.9	7.9	0
Dec. HLW	13.6	13.5	0	10.6	10.6	0	7.75	7.8	0.05	6.28	9.4	3.12	6.57	6.6	0.03	7.9	7.9	0

"Leachate Limit" is the depth to leachate level where 12 inches or less of leachate is present over the landfill liner. If the measurement to the top of leachate is less than the "Leachate Limit", then there is more than 12" of leachate over the liner and actions are required to reduce the leachate head on the liner.

LPZ depths listed in the headings above are based on HLW Engineering equipment.

Contact HLW Engineering with questions (515)733-4144.

Table 13B – Leachate Levels (Original Landfill)

Table 13B
Iowa County Sanitary Landfill
48-SDP-2-79P
LEACHATE PIEZOMETER MEASUREMENTS - ORIGINAL LANDFILLING AREA
2025

			First Quarter		Second Quarter		Third Quarter		Fourth Quarter	
Also Known As:	Also Known As:	WELL#	3/21/25		6/12/25		9/2/25		12/9/25	
			Depth to Leahcate (ft)	Leachate Elevation	Depth to Leahcate (ft)	Leachate Elevation	Depth to Leahcate (ft)	Leachate Elevation	Depth to Leahcate (ft)	Leachate Elevation
LPZ-92-1	LPZ-1	LW-1	22.60	862.05	23.10	861.55	22.90	861.75	23.26	861.39
LPZ-92-2	LPZ-2	LW-2	<i>dry 27.5</i>	<839.2	<i>dry 27.0</i>	<839.2	<i>dry 27.0</i>	<839.2	<i>dry 27.0</i>	<839.2
LPZ-93-3	LPZ-3	LW-3	<i>dry 26.0</i>	<876.05	<i>dry 26.0</i>	<876.05	<i>dry 26.0</i>	<876.05	<i>dry 26.0</i>	<876.05
LPZ-93-4	LPZ-4	LW-4	24.03	876.19	24.70	875.52	25.05	875.17	24.80	859.24
LPZ-93-5	LPZ-5	LW-5	23.27	860.77	23.55	860.49	23.35	860.69	22.75	861.29
	EW-6	LW-6	40.80	824.31	44.45	820.66	44.40	820.71	45.13	819.98
	EW-7R	LW-7R	39.00	851.84	39.70	851.14	39.60	851.24	39.85	850.99
	EW-8	LW-8	25.38	849.7	26.60	848.48	27.60	847.48	27.50	847.58
	EW-9R	LW-9R	67.17	871.54	67.00	871.71	67.30	871.41	67.60	871.11

Table 13C – Groundwater Separation (RCRA Area A)

Table 13C
Groundwater Underdrain Piezometer - Groundwater Separation
Annual Water Quality Report
Iowa County Sanitary Landfill
Permit No. 48-SDP-02-79P

Well		Date of Measurements	
		6/12/2025	12/9/2025
GPZ - 104	bottom of waste (feet MSL)	779.4	779.4
	Screen of GPZ (feet MSL)	773.75	773.75
	Top Casing (feet MSL)	784.07	784.07
	Depth to Water (ft)	8.95	8.87
	Elevation water in GPZ (feet MSL)	775.12	775.2
	Minimum Separation (ft)	4.28	4.2
GPZ - 106	bottom of waste (feet MSL)	777.5	777.5
	Screen of GPZ (feet MSL)	772	772
	Top Casing (feet MSL)	784.16	784.16
	Depth to Water (ft)	11.45	11.63
	Elevation water in GPZ (feet MSL)	772.71	772.53
	Minimum Separation (ft)	4.79	4.97
GPZ - 108	bottom of waste (feet MSL)	777.5	777.5
	Screen of GPZ (feet MSL)	772	772
	Top Casing (feet MSL)	783.17	783.17
	Depth to Water (ft)	11.3	11.3
	Elevation water in GPZ (feet MSL)	771.87	771.87
	Minimum Separation (ft)	5.63	5.63
GPZ - 110	bottom of waste (feet MSL)	775.78	775.78
	Screen of GPZ (feet MSL)	769.79	769.79
	Top Casing (feet MSL)	781.39	781.39
	Depth to Water (ft)	11.65	11.7
	Elevation water in GPZ (feet MSL)	769.74	769.69
	Minimum Separation (ft)	6.04	6.09

Table 14 – Gas Monitoring Summary

Table 14
Iowa County Sanitary Landfill
48-SDP-2-79P
EXPLOSIVE GAS MONITORING

	3/21/2025	6/12/2025	9/2/2025	12/9/2025
	% LEL	% LEL	% LEL	% LEL
Storage Buliding	0	0	0	0
Shop	0	0	0	0
HHM Shed	0	0	0	0
Recycle Buliding	0	0	0	0
Scalehouse	0	0	0	0
Scale Pit	0	0	0	0
Water Service Pit	0	0	0	0
GU-1 (Truncated End)	0	0	0	0
GU-2	0	0	0	0
GU-3 (Truncated End)	buried	buried	buried	buried
GU-4	0	0	0	0
GU-5	84.6	28.4	98.0	50.0
GU-6	0	0	0	0
GP-1	0	0	0	0
GP-2	45.1	0	0	0
GP-3	0	0	0	0
GP-5	0	0	0	0
GP-6	0	0	0	0
GP-7	0	0	0	0
GP-9	0	0	0	0
MW-30	0	0	0	0
MW-32	0	0	0	0

** Reported as damaged, could not be accessed/tested

DNE = Did Not Exist

NT = Not Tested

Appendix A

Field Sampling Forms

**IOWA COUNTY SANITARY LANDFILL
PERMIT # 48-SDP-2-79P**

6/12/2025

Sampled by: T. Whipple

Weather conditions:

Partly Sunny, breezyy 67-82 degrees

IDNR Form 542-1322

Monitoring Well: MW92-11 (ug)

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	879.41
Well Depth	24.89
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	879.41
Well Depth	24.89
Top Screen	869.23
Bottom Screen	854.52
Bottom Well	854.52
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	20.00
Top sample	859.41
Bottom sample	855.41
Turbidity(NTU)	3.99

Date	Time	Water Level	Water Elevation	Notes
6/12/2025	8:48	8.20	871.21	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		3.99
Appendix I	Metals	150	150		3.99
Appendix I	VOC	240	240		3.99
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW92-13 (ug)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	879.5
Well Depth	24.50
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	879.5
Well Depth	25.65
Top Screen	870.00
Bottom Screen	855.00
Bottom Well	855.00
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	22.00
Top sample	857.50
Bottom sample	853.50
Turbidity(NTU)	2.06

Date	Time	Water Level	Water Elevation	Notes
6/12/2025	8:25	8.83	870.67	

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		2.06
Appendix I	Metals	150	150		2.06
Appendix I	VOC	240	240		2.06
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW92-15 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	798.13
Well Depth	20.39
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	798.13
Well Depth	20.20
Top Screen	787.74
Bottom Screen	777.74
Bottom Well	777.74
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	15.00
Top sample	783.13
Bottom sample	779.13
Turbidity(NTU)	6.51

Date	Time	Water Level	Water Elevation	Notes
6/12/2025	13:10	8.50	789.63	

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		6.51
Appendix I	Metals	150	150		6.51
Appendix I	VOC	240	240		6.51
Full Appendix II	10 more containers	5620		5620	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	5620	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW92-16 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	798.4
Well Depth	45.49
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	798.4
Well Depth	45.00
Top Screen	762.91
Bottom Screen	752.91
Bottom Well	752.91
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	40.00
Top sample	758.40
Bottom sample	754.40
Turbidity(NTU)	1.82

Date	Time	Water Level	Water Elevation	Notes
6/12/2025	13:17	6.45	791.95	

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		1.82
Appendix I	Metals	150	150		1.82
Appendix I	VOC	240	240		1.82
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW93-18 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	854
Well Depth	30.00
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	854
Well Depth	30.20
Top Screen	844.00
Bottom Screen	824.00
Bottom Well	824.00
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	25.00
Top sample	829.00
Bottom sample	825.00
Turbidity(NTU)	1.81

Date	Time	Water Level	Water Elevation	Notes
6/12/2025	13:38	2.61	851.39	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.81
Appendix I	Metals	150	150		1.81
Appendix I	VOC	240	240		1.81
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW97-23 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	877.33
Well Depth	23.00
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	877.33
Well Depth	21.02
Top Screen	864.33
Bottom Screen	854.33
Bottom Well	854.33
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	16.00
Top sample	861.33
Bottom sample	857.33
Turbidity(NTU)	47.87

Date	Time	Water Level	Water Elevation	Notes
6/12/2025	8:59	12.21	865.12	

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		47.87
Appendix I	Metals	150	150		47.87
Appendix I	VOC	240	240		47.87
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW01-27 (ug)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	861.52
Well Depth	36.38
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	861.52
Well Depth	36.40
Top Screen	835.14
Bottom Screen	825.14
Bottom Well	825.14
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	33.00
Top sample	828.52
Bottom sample	824.52
Turbidity(NTU)	2.55

Date	Time	Water Level	Water Elevation	Notes
6/12/2025	9:58	32.86	828.66	

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		2.55
Appendix I	Metals	150	150		2.55
Appendix I	VOC	240	240		2.55
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW01-28 (ug)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	780.6
Well Depth	18.31
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	780.6
Well Depth	18.00
Top Screen	772.29
Bottom Screen	762.29
Bottom Well	762.29
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	13.00
Top sample	767.60
Bottom sample	763.60
Turbidity(NTU)	2.96

Date	Time	Water Level	Water Elevation	Notes
6/12/2025	10:13	8.54	772.06	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		2.96
Appendix I	Metals	150	150		2.96
Appendix I	VOC	240	240		2.96
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW01-29D (dg)

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

GENERAL INFORMATION

TOC	800.39
Well Depth	35.96
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	800.39
Well Depth	35.96
Top Screen	774.43
Bottom Screen	764.43
Bottom Well	764.43
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	
Top sample	800.39
Bottom sample	796.39
Turbidity(NTU)	

Date	Time	Water Level	Water Elevation	Notes
6/12/2025		35.12	765.27	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		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

TOC	800.39	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	35.96	Before purging	6/12/2025	0:00	35.12	765.27		0.00	Yes
		After purging				800.39			
		Top of Screen 2001				774.43			
						-9.16	feet above (+) or below (-) top screen		
		Bottom of Well 2001				764.43			
		Bottom of Well	6/12/2025		35.30	765.09			
						0.66	feet sedimentation		
		Before Sampling				800.39			
		Recovery	6/6/2024			800.39			
		Recovery	6/6/2024			800.39			
		Recovery				800.39			
		Recovery				800.39			
		Recovery				800.39			

IDNR Form 542-1322

Monitoring Well: MW01-30 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	794.3
Well Depth	26.50
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	794.3
Well Depth	26.50
Top Screen	777.80
Bottom Screen	767.80
Bottom Well	767.80
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	20.00
Top sample	774.30
Bottom sample	770.30
Turbidity(NTU)	1.97

Date	Time	Water Level	Water Elevation	Notes
6/12/2025	11:29	9.70	784.6	

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		1.97
Appendix I	Metals	150	150		1.97
Appendix I	VOC	240	240		1.97
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW01-32 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	865.7
Well Depth	32.50
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	865.7
Well Depth	32.50
Top Screen	843.20
Bottom Screen	833.20
Bottom Well	833.20
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	
Top sample	865.70
Bottom sample	861.70
Turbidity(NTU)	

Date	Time	Water Level	Water Elevation	Notes
6/12/2025		31.00	834.7	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		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW12-40 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	777.62
Well Depth	23.60
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	777.62
Well Depth	23.60
Top Screen	764.02
Bottom Screen	754.02
Bottom Well	754.02
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	18.00
Top sample	759.62
Bottom sample	755.62
Turbidity(NTU)	2.33

Date	Time	Water Level	Water Elevation	Notes
6/12/2025	10:30	11.26	766.36	

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		2.33
Appendix I	Metals	150	150		2.33
Appendix I	VOC	240	240		2.33
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW12-41 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	869.26
Well Depth	26.86
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	869.26
Well Depth	27.00
Top Screen	852.40
Bottom Screen	842.40
Bottom Well	842.40
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	22.00
Top sample	847.26
Bottom sample	843.26
Turbidity(NTU)	2.49

Date	Time	Water Level	Water Elevation	Notes
6/12/2025	12:47	15.84	853.42	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		2.49
Appendix I	Metals	150	150		2.49
Appendix I	VOC	240	240		2.49
Full Appendix II	10 more containers	5620			
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW20-2

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	873.8
Well Depth	26.25
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	873.8
Well Depth	26.25
Top Screen	857.55
Bottom Screen	847.55
Bottom Well	847.55
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	20.00
Top sample	853.80
Bottom sample	849.80
Turbidity(NTU)	2.33

Date	Time	Water Level	Water Elevation	Notes
6/12/2025	9:15	16.35	857.45	

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		2.33
Appendix I	Metals	150	150		2.33
Appendix I	VOC	240	240		2.33
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW20-6

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	874.09
Well Depth	30.70
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	874.09
Well Depth	30.70
Top Screen	853.39
Bottom Screen	843.39
Bottom Well	843.39
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	25.00
Top sample	849.09
Bottom sample	845.09
Turbidity(NTU)	2.54

Date	Time	Water Level	Water Elevation	Notes
6/12/2025	9:25	19.83	854.26	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		2.54
Appendix I	Metals	150	150		2.54
Appendix I	VOC	240	240		2.54
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW22-2

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	866.71
Well Depth	26.25
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	866.71
Well Depth	26.25
Top Screen	850.46
Bottom Screen	840.46
Bottom Well	840.46
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	21.00
Top sample	845.71
Bottom sample	841.71
Turbidity(NTU)	4.03

Date	Time	Water Level	Water Elevation	Notes
6/12/2025	9:36	17.26	849.45	

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		4.03
Appendix I	Metals	150	150		4.03
Appendix I	VOC	240	240		4.03
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW22-42 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	869.55
Well Depth	33.00
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	869.55
Well Depth	33.00
Top Screen	846.55
Bottom Screen	836.55
Bottom Well	835.70
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	27.00
Top sample	842.55
Bottom sample	838.55
Turbidity(NTU)	2.43

Date	Time	Water Level	Water Elevation	Notes
6/12/2025	13:54	17.45	852.10	

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		2.43
Appendix I	Metals	150	150		2.43
Appendix I	VOC	240	240		2.43
Full Appendix II	10 more containers	5620			
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW24-43 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	776.06
Well Depth	35.45
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	776.06
Well Depth	35.45
Top Screen	751.06
Bottom Screen	741.06
Bottom Well	740.61
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	30.00
Top sample	746.06
Bottom sample	742.06
Turbidity(NTU)	2.97

Date	Time	Water Level	Water Elevation	Notes
6/12/2025	10:53	23.27	752.79	

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		2.97
Appendix I	Metals	150	150		2.97
Appendix I	VOC	240	240		2.97
Full Appendix II	10 more containers	5620			
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

**IOWA COUNTY SANITARY LANDFILL
PERMIT # 48-SDP-2-79P**

9/2/2025

Sampled by: Todd Whipple

Weather conditions:

Sunny, calm, 70-75 degrees

IDNR Form 542-1322

Monitoring Well: MW01-30 (dg)

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	794.3
Well Depth	26.50
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	794.3
Well Depth	26.50
Top Screen	777.80
Bottom Screen	767.80
Bottom Well	767.80
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	20.00
Top sample	774.30
Bottom sample	770.30
Turbidity(NTU)	1.99

Date	Time	Water Level	Water Elevation	Notes
9/2/2025	9:44	10.02	784.28	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.99
Appendix I	Metals	150	150		1.99
Appendix I	VOC	240	240		1.99
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

**IOWA COUNTY SANITARY LANDFILL
PERMIT # 48-SDP-2-79P**

12/9/2025

Sampled by: Glenn Hunter

Weather conditions:

Sunny, 25-34 degrees

IDNR Form 542-1322

Monitoring Well: MW92-11 (ug)

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	879.41
Well Depth	24.89
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	879.41
Well Depth	24.89
Top Screen	869.23
Bottom Screen	854.52
Bottom Well	854.52
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	19.00
Top sample	860.41
Bottom sample	856.41
Turbidity(NTU)	4.66

Date	Time	Water Level	Water Elevation	Notes
12/9/2025	9:13	11.37	868.04	

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		4.66
Appendix I	Metals	150	150		4.66
Appendix I	VOC	240	240		4.66
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW92-13 (ug)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	879.5
Well Depth	24.50
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	879.5
Well Depth	25.65
Top Screen	870.00
Bottom Screen	855.00
Bottom Well	855.00
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	21.00
Top sample	858.50
Bottom sample	854.50
Turbidity(NTU)	1.48

Date	Time	Water Level	Water Elevation	Notes
12/9/2025	8:46	9.60	869.9	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.48
Appendix I	Metals	150	150		1.48
Appendix I	VOC	240	240		1.48
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW92-15 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	798.13
Well Depth	20.39
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	798.13
Well Depth	20.20
Top Screen	787.74
Bottom Screen	777.74
Bottom Well	777.74
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	14.00
Top sample	784.13
Bottom sample	780.13
Turbidity(NTU)	0.89

Date	Time	Water Level	Water Elevation	Notes
12/9/2025	13:04	9.00	789.13	

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		0.89
Appendix I	Metals	150	150		0.89
Appendix I	VOC	240	240		0.89
Full Appendix II	10 more containers	5620		5620	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	5620	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW92-16 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	798.4
Well Depth	45.49
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	798.4
Well Depth	45.00
Top Screen	762.91
Bottom Screen	752.91
Bottom Well	752.91
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	39.00
Top sample	759.40
Bottom sample	755.40
Turbidity(NTU)	1.05

Date	Time	Water Level	Water Elevation	Notes
12/9/2025	13:14	5.45	792.95	

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		1.05
Appendix I	Metals	150	150		1.05
Appendix I	VOC	240	240		1.05
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW93-18 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	854
Well Depth	30.00
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	854
Well Depth	30.20
Top Screen	844.00
Bottom Screen	824.00
Bottom Well	824.00
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	24.00
Top sample	830.00
Bottom sample	826.00
Turbidity(NTU)	1.08

Date	Time	Water Level	Water Elevation	Notes
12/9/2025	13:36	3.65	850.35	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.08
Appendix I	Metals	150	150		1.08
Appendix I	VOC	240	240		1.08
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW97-23 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	877.33
Well Depth	23.00
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	877.33
Well Depth	21.02
Top Screen	864.33
Bottom Screen	854.33
Bottom Well	854.33
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	16.00
Top sample	861.33
Bottom sample	857.33
Turbidity(NTU)	5.33

Date	Time	Water Level	Water Elevation	Notes
12/9/2025	10:50	14.61	862.72	

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		5.33
Appendix I	Metals	150	150		5.33
Appendix I	VOC	240	240		5.33
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW01-27 (ug)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	861.52
Well Depth	36.38
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	861.52
Well Depth	36.40
Top Screen	835.14
Bottom Screen	825.14
Bottom Well	825.14
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	
Top sample	861.52
Bottom sample	857.52
Turbidity(NTU)	

Date	Time	Water Level	Water Elevation	Notes
12/9/2025		36.60	824.92	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
Appendix I	Metals	150	150		0
Appendix I	VOC	240	240		0
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW01-28 (ug)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	780.6
Well Depth	18.31
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	780.6
Well Depth	18.00
Top Screen	772.29
Bottom Screen	762.29
Bottom Well	762.29
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	12.00
Top sample	768.60
Bottom sample	764.60
Turbidity(NTU)	4.40

Date	Time	Water Level	Water Elevation	Notes
12/9/2025	11:12	9.57	771.03	

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		4.40
Appendix I	Metals	150	150		4.40
Appendix I	VOC	240	240		4.40
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW01-29D (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	800.39
Well Depth	35.96
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	800.39
Well Depth	35.96
Top Screen	774.43
Bottom Screen	764.43
Bottom Well	764.43
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	
Top sample	800.39
Bottom sample	796.39
Turbidity(NTU)	

Date	Time	Water Level	Water Elevation	Notes
12/9/2025		35.30	765.09	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		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW01-30 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	794.3
Well Depth	26.50
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	794.3
Well Depth	26.50
Top Screen	777.80
Bottom Screen	767.80
Bottom Well	767.80
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	20.00
Top sample	774.30
Bottom sample	770.30
Turbidity(NTU)	1.65

Date	Time	Water Level	Water Elevation	Notes
12/9/2025	11:53	8.63	785.67	

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		1.65
Appendix I	Metals	150	150		1.65
Appendix I	VOC	240	240		1.65
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW01-32 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	865.7
Well Depth	32.50
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	865.7
Well Depth	32.50
Top Screen	843.20
Bottom Screen	833.20
Bottom Well	833.20
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	
Top sample	865.70
Bottom sample	861.70
Turbidity(NTU)	

Date	Time	Water Level	Water Elevation	Notes
12/9/2025		30.65	835.05	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		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW12-40 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	777.62
Well Depth	23.60
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	777.62
Well Depth	23.60
Top Screen	764.02
Bottom Screen	754.02
Bottom Well	754.02
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	18.00
Top sample	759.62
Bottom sample	755.62
Turbidity(NTU)	3.25

Date	Time	Water Level	Water Elevation	Notes
12/9/2025	11:31	12.30	765.32	

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		3.25
Appendix I	Metals	150	150		3.25
Appendix I	VOC	240	240		3.25
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW12-41 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	869.26
Well Depth	26.86
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	869.26
Well Depth	27.00
Top Screen	852.40
Bottom Screen	842.40
Bottom Well	842.40
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	21.00
Top sample	848.26
Bottom sample	844.26
Turbidity(NTU)	2.03

Date	Time	Water Level	Water Elevation	Notes
12/9/2025	14:01	19.97	849.29	

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		2.03
Appendix I	Metals	150	150		2.03
Appendix I	VOC	240	240		2.03
Full Appendix II	10 more containers	5620			
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW20-2

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	873.8
Well Depth	26.25
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	873.8
Well Depth	26.25
Top Screen	857.55
Bottom Screen	847.55
Bottom Well	847.55
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	20.00
Top sample	853.80
Bottom sample	849.80
Turbidity(NTU)	8.00

Date	Time	Water Level	Water Elevation	Notes
12/9/2025	10:11	17.71	856.09	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		8.00
Appendix I	Metals	150	150		8.00
Appendix I	VOC	240	240		8.00
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW20-6

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	874.09
Well Depth	30.70
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	874.09
Well Depth	30.70
Top Screen	853.39
Bottom Screen	843.39
Bottom Well	843.39
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	25.00
Top sample	849.09
Bottom sample	845.09
Turbidity(NTU)	4.31

Date	Time	Water Level	Water Elevation	Notes
12/9/2025	9:56	19.83	854.26	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		4.31
Appendix I	Metals	150	150		4.31
Appendix I	VOC	240	240		4.31
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW22-2

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	866.71
Well Depth	26.25
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	866.71
Well Depth	26.25
Top Screen	850.46
Bottom Screen	840.46
Bottom Well	840.46
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	21.50
Top sample	845.21
Bottom sample	841.21
Turbidity(NTU)	16.70

Date	Time	Water Level	Water Elevation	Notes
12/9/2025	9:44	21.00	845.71	

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		16.70
Appendix I	Metals	150	150		16.70
Appendix I	VOC	240	240		16.70
Full Appendix II	10 more containers	5620		0	
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW22-42 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	869.55
Well Depth	33.00
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	869.55
Well Depth	33.00
Top Screen	846.55
Bottom Screen	836.55
Bottom Well	835.70
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	27.00
Top sample	842.55
Bottom sample	838.55
Turbidity(NTU)	4.84

Date	Time	Water Level	Water Elevation	Notes
12/9/2025	10:32	22.55	847.00	

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		4.84
Appendix I	Metals	150	150		4.84
Appendix I	VOC	240	240		4.84
Full Appendix II	10 more containers	5620			
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

IDNR Form 542-1322

Monitoring Well: MW24-43 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	776.06
Well Depth	35.45
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	776.06
Well Depth	35.45
Top Screen	751.06
Bottom Screen	741.06
Bottom Well	740.61
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	29.00
Top sample	747.06
Bottom sample	743.06
Turbidity(NTU)	1.39

Date	Time	Water Level	Water Elevation	Notes
12/9/2025	12:06	19.05	757.01	

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		1.39
Appendix I	Metals	150	150		1.39
Appendix I	VOC	240	240		1.39
Full Appendix II	10 more containers	5620			
TSS	TSS	1000		0	
Supplemental	BEHP	1 - qt		0	
Supplemental				0	
Total			400	0	

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

[illegible]

Sunny, 25-34 degrees

	Date	Time	Type	Flowing	Quantity	Discolored	Odor	Litter
GU - 2	12/9/2025		tile	DRY		No	No	No
								Turbidity (NTU)

	Date	Time	Type	Flowing	Quantity	Discolored	Odor	Litter
GU - 4	12/9/2025		tile	DRY		No	No	No
								Turbidity (NTU)

GU - 5	12/9/2025		tile	DRY			No	No	No
									Turbidity (NTU)

[illegible]

Appendix B

Statistical Report

APPENDIX B.1 –1st Statistical Evaluation

GROUND WATER STATISTICS
FOR THE
IOWA COUNTY SANITARY LANDFILL

First Semi-Annual Monitoring Event in 2025

Prepared for:
Iowa County Sanitary Landfill
3369 Highway 6 Trl
Homestead, Iowa County, IA

Prepared by:
Jeffrey A. Holmgren
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July 2025

INTRODUCTION

This report summarizes the statistical analysis for evaluating the groundwater quality data obtained during the first semi-annual monitoring event in 2025 at the Iowa County Sanitary Landfill in Homestead, Iowa County, Iowa. The plan was designed to detect a release from the facility at the earliest indication so that it is protective of human health and the environment. The interwell methodology is described and then applied to the Iowa County Landfill data. The statistical plan conforms with IAC 567, Chapter 113.10, USEPA Guidance document (“*Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Unified Guidance*”, March 2009), and the American Society for Testing and Materials (ASTM) standard D6312-98, *Developing Appropriate Statistical Approaches for Ground-Water Detection Monitoring Programs*.

Ground Water Monitoring Program

The groundwater monitoring network for Iowa County Sanitary Landfill Area A includes MW-27 (upgradient), MW-28 (upgradient), MW-29D, MW-40, MW-41, MW-42, and GU-2. The closed portion of the landfill is monitored by ground water wells MW-11 (upgradient), MW-13 (upgradient), MW-15, MW-16, MW-18, and MW-23. Groundwater wells MW-30 and MW-43 and underdrains GU-4 and GU-5 were recently added for downgradient monitoring. Each of the groundwater monitoring wells is to be sampled at least semiannually and analyzed for the detection monitoring parameters listed in 113.10(5), which includes 15 inorganic constituents and 47 organic compounds, summarized in Table 1 below.

Table 1: Detection monitoring constituents listed in Appendix I of IAC 567, Chapter 113.

Organic Compounds:

Acetone	<i>trans</i> -1,4-Dichloro-2-butene	Iodomethane
Acrylonitrile	1,1-Dichloroethane	4-Methyl-2-pentanone
Benzene	1,2-Dichloroethane	Styrene
Bromochloromethane	1,1-Dichloroethene	1,1,1,2-Tetrachloroethane
Bromodichloromethane	<i>cis</i> -1,2-Dichloroethene	1,1,2,2-Tetrachloroethane
Bromoform	<i>trans</i> -1,2-Dichloroethene	Tetrachloroethene
Carbon disulfide	1,2-Dichloropropane	Toluene
Carbon tetrachloride	<i>cis</i> -1,3-Dichloropropene	1,1,1-Trichloroethane
Chlorobenzene	<i>trans</i> -1,3-Dichloropropene	1,1,2-Trichloroethane
Chloroethane	Ethylbenzene	Trichloroethene
Chloroform	2-Hexanone	Trichlorofluoromethane
Dibromochloromethane	Bromomethane	1,2,3-Trichloropropane
1,2-Dibromo-3-chloropropane	Chloromethane	Vinyl acetate
1,2-Dibromoethane	Dibromomethane	Vinyl chloride
1,2-Dichlorobenzene	Methylene chloride	Xylenes (Total)
1,4-Dichlorobenzene	2-Butanone	

Inorganic constituents:

Antimony, Total	Chromium, Total	Selenium, Total
Arsenic, Total	Cobalt, Total	Silver, Total
Barium, Total	Copper, Total	Thallium, Total
Beryllium, Total	Lead, Total	Vanadium, Total
Cadmium, Total	Nickel, Total	Zinc, Total

The ground water data obtained during the first semi-annual monitoring event in 2025 are summarized in Attachment A.

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

IAC 567, Chapter 113.10(4) provides several options for statistically evaluating the ground water data at those wells that monitor the open cells or contiguous MSWLF units. The preferred methods for comparing ground water data are using either prediction limits or using control charts. The interwell method was applied to the Iowa County Landfill data using the DUMPStat® statistical program. DUMPStat® (Discerning Systems, Inc., Burnaby, BC) is a program for the statistical analysis of groundwater monitoring data using methods described in “Statistical Methods for Groundwater Monitoring” by Dr. Robert D. Gibbons. The DUMPStat program is completely consistent with all USEPA regulations and guidance and the ASTM D6312-98 guidance. 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 background has been completed, the nonparametric prediction limits will be used.

Results of the Interwell Statistics

The background data used in this statistical analysis includes the ground water data collected from ground water wells MW-27, MW-28, MW-29, MW-11, and MW-13 during the period from December 2014 through the current data. Well MW-29 is hydraulically downgradient but was included in the background because it is several hundred feet from waste and is unimpacted. Well MW-29D will be used to monitor downgradient of the landfill. A summary of the background data from these monitoring wells 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 sample points MW-40, MW-41, MW-42, MW-15, MW-16, MW-18, MW-23, MW-30, MW-43, and GU-6 compared to the site prediction limits. Prediction limit exceedances would be 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 during the First Semi-Annual Monitoring Event in 2025

Well	Trace Metal Detected	Result, µg/L	Prediction Limit, µg/L	Prediction Limit Type	Verified/ Awaiting verification
MW-15	Cobalt	59.2	10.7000	Nonparametric	Awaiting verification
MW-23	Arsenic	15.0	12.6000	Nonparametric	Awaiting verification
MW-30	Cadmium	5.8	3.4000	Nonparametric	Awaiting verification

The detection frequency of the parameters in the up and down gradient monitoring wells is summarized in Table 3. 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. The VOCs detected in the ground water at Iowa County Landfill during the first semi-annual monitoring event in 2025 are summarized in the table below.

VOCs Detected during the First Semi-Annual Monitoring Event in 2025

Sample Point	VOC	Result	Reporting Limit	Verified/Awaiting Verification	GWPS
MW-23	1,1-Dichloroethane	3.2	1	Verified	140 ^b
	Chloroethane	8.8	1	Verified	2800 ^b
MW-42	1,1-Dichloroethane	3.6	1	Verified	140 ^b
	Chlorobenzene	2.2	1	Verified	100 ^a
	Chloroethane	6.9	1	Verified	2800 ^b
	cis-1,2-Dichloroethene	9.3	1	Verified	70 ^a

a - USEPA MCL, b – Iowa Statewide Standard

Historical VOC detections are summarized in Attachment D. The verified VOC detections were evaluated against the ground water protection standards (GWPS) using confidence limits calculated in accordance with the Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, USEPA, March 2009 (Attachment E). 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 LCLs are below the GWPS or there is insufficient data to compute.

Attachment A

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

Table 1

Analytical Data Summary for 6/12/2025

Constituents	Units	GU-6	MW-11	MW-13	MW-15	MW-16	MW-18	MW-20-2	MW-20-6	MW-22-2	MW-23	MW-27
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	166.0	235.0	175.0	3.2	<1.0
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.3	2.9	<1.0	<1.0
1,2-dichloropropane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.5	<1.0	<1.0	<1.0
1,4-dichlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	2.6	<1.0	<1.0
2-butanone (mek)	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Arsenic, total	ug/L	<2.0	7.8	<2.0	5.4	<2.0	<2.0	<2.0	<2.0	<2.0	15.0	<2.0
Barium, total	ug/L	80.3	137.0	88.7	43.4	34.4	270.0	174.0	309.0	288.0	204.0	585.0
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<2	.2	.4	1.1	1.0	<2	.2	.5	.2	.3	.4
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.0	2.9	8.9	<1.0	<1.0
Chloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	34.7	23.9	109.0	8.8	<1.0
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<1.0	1.1	1.0	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	<1.0	1.2
Cis-1,2-dichloroethylene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	26.8	56.8	109.0	<1.0	<1.0
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	1.9	4.4	<5	59.2	<5	<5	<5	.7	1.5	1.5	<5
Copper, total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	12.9	5.4	10.2	13.6	6.6	<5.0	6.5	<5.0	18.7	19.6	<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	<1	<1
Tetrachloroethylene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.0	7.6	<1.0	<1.0	<1.0
Thallium, total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.1	<1.0	3.6	<1.0	<1.0
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.9	10.9	<1.0	<1.0	<1.0
Trichlorofluoromethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	13.5	<1.0	<1.0	<1.0
Vanadium, total	ug/L	<2.0	4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	3.7
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.0	3.2	16.1	<1.0	<1.0
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	9.6	18.0	13.4	17.4	16.5	<5.0	8.2	9.5	<5.0	<5.0	23.0

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

Table 1

Analytical Data Summary for 6/12/2025

Constituents	MW-28	MW-30	MW-40	MW-41	MW-42	MW-43
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1.0	<1.0	<1.0	<1.0	3.6	<1.0
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-butanone (mek)	<10	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5
Antimony, total	<1	<1	<1	<1	<1	<1
Arsenic, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Barium, total	115.0	25.6	35.7	57.7	449.0	13.7
Benzene	<1	<1	<1	<1	<1	<1
Beryllium, total	<.5	<.5	<.5	<.5	<.5	<.5
Bromochloromethane	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1
Cadmium, total	.2	5.8	.5	.5	.3	<2
Carbon disulfide	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	2.2	<1.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	6.9	<1.0
Chloroform	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1
Chromium, total	<1.0	<1.0	<1.0	7.0	<1.0	<1.0
Cis-1,2-dichloroethylene	<1.0	<1.0	<1.0	<1.0	9.3	<1.0
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Cobalt, total	<.5	<.5	.9	<.5	2.7	3.2
Copper, total	<5	<5	<5	<5	<5	<5
Dibromochloromethane	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1
Lead, total	<1	<1	<1	<1	<1	<1
Methyl iodide	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5
Nickel, total	<5.0	<5.0	5.9	<5.0	11.4	14.7
Selenium, total	<2	<2	2	<2	<2	<2
Silver, total	<5	<5	<5	<5	<5	<5
Styrene	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Thallium, total	<.5	<.5	<.5	<.5	<.5	<.5
Toluene	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Vinyl acetate	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, total	<2	<2	<2	<2	<2	<2
Zinc, total	11.5	11.0	23.6	12.0	11.8	5.4

* - 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	12/10/2014	ND	2.0000		
Antimony, total	ug/L	MW-11	03/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-11	06/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-11	09/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-11	12/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-11	06/27/2016	ND	2.0000		
Antimony, total	ug/L	MW-11	11/30/2016	ND	2.0000		
Antimony, total	ug/L	MW-11	06/22/2017	ND	2.0000		
Antimony, total	ug/L	MW-11	11/15/2017	ND	2.0000		
Antimony, total	ug/L	MW-11	06/18/2018	ND	2.0000		
Antimony, total	ug/L	MW-11	11/28/2018	ND	2.0000		
Antimony, total	ug/L	MW-11	06/12/2019	ND	2.0000		
Antimony, total	ug/L	MW-11	12/05/2019	ND	2.0000		
Antimony, total	ug/L	MW-11	06/17/2020	ND	2.0000		
Antimony, total	ug/L	MW-11	12/07/2020	ND	2.0000		
Antimony, total	ug/L	MW-11	06/22/2021	ND	2.0000		
Antimony, total	ug/L	MW-11	12/02/2021	ND	2.0000		
Antimony, total	ug/L	MW-11	06/08/2022	ND	2.0000		
Antimony, total	ug/L	MW-11	11/22/2022	ND	2.0000		
Antimony, total	ug/L	MW-11	06/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-11	12/04/2023	ND	2.0000		
Antimony, total	ug/L	MW-11	06/06/2024	ND	2.0000		
Antimony, total	ug/L	MW-11	12/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-11	06/12/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-11	12/10/2014		6.1000		
Arsenic, total	ug/L	MW-11	03/04/2015	ND	4.0000		
Arsenic, total	ug/L	MW-11	06/04/2015	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/01/2015		6.4000		
Arsenic, total	ug/L	MW-11	12/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-11	06/27/2016		7.2000		
Arsenic, total	ug/L	MW-11	11/30/2016	ND	4.0000		
Arsenic, total	ug/L	MW-11	06/22/2017		12.6000		
Arsenic, total	ug/L	MW-11	11/15/2017	ND	4.0000		
Arsenic, total	ug/L	MW-11	06/18/2018		7.0000		
Arsenic, total	ug/L	MW-11	11/28/2018		4.7000		
Arsenic, total	ug/L	MW-11	06/12/2019		4.2000		
Arsenic, total	ug/L	MW-11	12/05/2019		4.4000		
Arsenic, total	ug/L	MW-11	06/17/2020	ND	4.0000		
Arsenic, total	ug/L	MW-11	12/07/2020	ND	4.0000		
Arsenic, total	ug/L	MW-11	06/22/2021	ND	4.0000		
Arsenic, total	ug/L	MW-11	12/02/2021	ND	4.0000		
Arsenic, total	ug/L	MW-11	06/08/2022		6.9000		
Arsenic, total	ug/L	MW-11	11/22/2022	ND	4.0000		
Arsenic, total	ug/L	MW-11	06/06/2023		6.3000		
Arsenic, total	ug/L	MW-11	12/04/2023		4.7000		
Arsenic, total	ug/L	MW-11	06/06/2024		34.4000		*
Arsenic, total	ug/L	MW-11	12/04/2024		8.2000		
Arsenic, total	ug/L	MW-11	06/12/2025		7.8000		
Barium, total	ug/L	MW-11	12/10/2014		243.0000		
Barium, total	ug/L	MW-11	03/04/2015		189.0000		
Barium, total	ug/L	MW-11	06/04/2015		350.0000		
Barium, total	ug/L	MW-11	09/01/2015		455.0000		
Barium, total	ug/L	MW-11	12/01/2015		149.0000		
Barium, total	ug/L	MW-11	06/27/2016		522.0000		
Barium, total	ug/L	MW-11	11/30/2016		166.0000		
Barium, total	ug/L	MW-11	06/22/2017		960.0000		
Barium, total	ug/L	MW-11	11/15/2017		148.0000		
Barium, total	ug/L	MW-11	06/18/2018		320.0000		
Barium, total	ug/L	MW-11	11/28/2018		398.0000		
Barium, total	ug/L	MW-11	06/12/2019		461.0000		
Barium, total	ug/L	MW-11	12/05/2019		739.0000		
Barium, total	ug/L	MW-11	06/17/2020		354.0000		
Barium, total	ug/L	MW-11	12/07/2020		200.0000		
Barium, total	ug/L	MW-11	06/22/2021		284.0000		
Barium, total	ug/L	MW-11	12/02/2021		127.0000		
Barium, total	ug/L	MW-11	06/08/2022		240.0000		
Barium, total	ug/L	MW-11	11/22/2022		165.0000		
Barium, total	ug/L	MW-11	06/06/2023		314.0000		
Barium, total	ug/L	MW-11	12/04/2023		166.0000		
Barium, total	ug/L	MW-11	06/06/2024		177.0000		
Barium, total	ug/L	MW-11	12/04/2024		118.0000		
Barium, total	ug/L	MW-11	06/12/2025		137.0000		
Beryllium, total	ug/L	MW-11	12/10/2014	ND	4.0000		
Beryllium, total	ug/L	MW-11	03/04/2015	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-11	06/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-11	09/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-11	12/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-11	06/27/2016	ND	4.0000		
Beryllium, total	ug/L	MW-11	11/30/2016	ND	4.0000		
Beryllium, total	ug/L	MW-11	06/22/2017	ND	4.0000		
Beryllium, total	ug/L	MW-11	11/15/2017	ND	4.0000		
Beryllium, total	ug/L	MW-11	06/18/2018	ND	4.0000		
Beryllium, total	ug/L	MW-11	11/28/2018	ND	4.0000		
Beryllium, total	ug/L	MW-11	06/12/2019	ND	4.0000		
Beryllium, total	ug/L	MW-11	12/05/2019	ND	4.0000		
Beryllium, total	ug/L	MW-11	06/17/2020	ND	4.0000		
Beryllium, total	ug/L	MW-11	12/07/2020	ND	4.0000		
Beryllium, total	ug/L	MW-11	06/22/2021	ND	4.0000		
Beryllium, total	ug/L	MW-11	12/02/2021	ND	4.0000		
Beryllium, total	ug/L	MW-11	06/08/2022	ND	4.0000		
Beryllium, total	ug/L	MW-11	11/22/2022	ND	4.0000		
Beryllium, total	ug/L	MW-11	06/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-11	12/04/2023	ND	4.0000		
Beryllium, total	ug/L	MW-11	06/06/2024	ND	4.0000		
Beryllium, total	ug/L	MW-11	12/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-11	06/12/2025	ND	0.5000	4.0000	**
Cadmium, total	ug/L	MW-11	12/10/2014	ND	0.8000		
Cadmium, total	ug/L	MW-11	03/04/2015	ND	0.8000		
Cadmium, total	ug/L	MW-11	06/04/2015	ND	0.8000		
Cadmium, total	ug/L	MW-11	09/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-11	12/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-11	06/27/2016	ND	0.8000		
Cadmium, total	ug/L	MW-11	11/30/2016	ND	0.8000		
Cadmium, total	ug/L	MW-11	06/22/2017	ND	0.8000		
Cadmium, total	ug/L	MW-11	11/15/2017		0.8000		
Cadmium, total	ug/L	MW-11	06/18/2018	ND	0.8000		
Cadmium, total	ug/L	MW-11	11/28/2018	ND	0.8000		
Cadmium, total	ug/L	MW-11	06/12/2019	ND	0.8000		
Cadmium, total	ug/L	MW-11	12/05/2019		1.1000		
Cadmium, total	ug/L	MW-11	06/17/2020	ND	0.8000		
Cadmium, total	ug/L	MW-11	12/07/2020	ND	0.8000		
Cadmium, total	ug/L	MW-11	06/22/2021		2.3000		
Cadmium, total	ug/L	MW-11	12/02/2021		0.9000		
Cadmium, total	ug/L	MW-11	06/08/2022	ND	0.8000		
Cadmium, total	ug/L	MW-11	11/22/2022		1.9000		
Cadmium, total	ug/L	MW-11	06/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-11	12/04/2023	ND	0.8000		
Cadmium, total	ug/L	MW-11	06/06/2024	ND	0.8000		
Cadmium, total	ug/L	MW-11	12/04/2024		2.3000		
Cadmium, total	ug/L	MW-11	06/12/2025		0.2000		*
Chromium, total	ug/L	MW-11	12/10/2014	ND	8.0000		
Chromium, total	ug/L	MW-11	03/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-11	06/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-11	09/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-11	12/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-11	06/27/2016	ND	8.0000		
Chromium, total	ug/L	MW-11	11/30/2016	ND	8.0000		
Chromium, total	ug/L	MW-11	06/22/2017	ND	8.0000		
Chromium, total	ug/L	MW-11	11/15/2017	ND	8.0000		
Chromium, total	ug/L	MW-11	06/18/2018	ND	8.0000		
Chromium, total	ug/L	MW-11	11/28/2018	ND	8.0000		
Chromium, total	ug/L	MW-11	06/12/2019	ND	8.0000		
Chromium, total	ug/L	MW-11	12/05/2019	ND	8.0000		
Chromium, total	ug/L	MW-11	06/17/2020	ND	8.0000		
Chromium, total	ug/L	MW-11	12/07/2020	ND	8.0000		
Chromium, total	ug/L	MW-11	06/22/2021	ND	8.0000		
Chromium, total	ug/L	MW-11	12/02/2021	ND	8.0000		
Chromium, total	ug/L	MW-11	06/08/2022	ND	8.0000		
Chromium, total	ug/L	MW-11	11/22/2022	ND	8.0000		
Chromium, total	ug/L	MW-11	06/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-11	12/04/2023	ND	8.0000		
Chromium, total	ug/L	MW-11	06/06/2024	ND	8.0000		
Chromium, total	ug/L	MW-11	12/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-11	06/12/2025		1.1000		
Cobalt, total	ug/L	MW-11	12/10/2014		0.8000		
Cobalt, total	ug/L	MW-11	03/04/2015	ND	0.8000		
Cobalt, total	ug/L	MW-11	06/04/2015		0.9000		
Cobalt, total	ug/L	MW-11	09/01/2015		0.8000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, total	ug/L	MW-11	12/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-11	06/27/2016	ND	0.8000		
Cobalt, total	ug/L	MW-11	11/30/2016		0.8000		
Cobalt, total	ug/L	MW-11	06/22/2017		1.4000		
Cobalt, total	ug/L	MW-11	11/15/2017		0.9000		
Cobalt, total	ug/L	MW-11	06/18/2018		1.9000		
Cobalt, total	ug/L	MW-11	11/28/2018		1.0000		
Cobalt, total	ug/L	MW-11	06/12/2019		1.0000		
Cobalt, total	ug/L	MW-11	12/05/2019		1.1000		
Cobalt, total	ug/L	MW-11	06/17/2020		0.7000		
Cobalt, total	ug/L	MW-11	12/07/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-11	06/22/2021		0.9000		
Cobalt, total	ug/L	MW-11	12/02/2021		0.8000		
Cobalt, total	ug/L	MW-11	06/08/2022		1.5000		
Cobalt, total	ug/L	MW-11	11/22/2022		2.9000		
Cobalt, total	ug/L	MW-11	06/06/2023		2.9000		
Cobalt, total	ug/L	MW-11	12/04/2023		1.0000		
Cobalt, total	ug/L	MW-11	06/06/2024		29.8000		*
Cobalt, total	ug/L	MW-11	12/04/2024		1.6000		
Cobalt, total	ug/L	MW-11	06/12/2025		4.4000		
Copper, total	ug/L	MW-11	12/10/2014	ND	4.0000		
Copper, total	ug/L	MW-11	03/04/2015	ND	4.0000		
Copper, total	ug/L	MW-11	06/04/2015	ND	4.0000		
Copper, total	ug/L	MW-11	09/01/2015	ND	4.0000		
Copper, total	ug/L	MW-11	12/01/2015	ND	4.0000		
Copper, total	ug/L	MW-11	06/27/2016	ND	4.0000		
Copper, total	ug/L	MW-11	11/30/2016	ND	4.0000		
Copper, total	ug/L	MW-11	06/22/2017	ND	4.0000		
Copper, total	ug/L	MW-11	11/15/2017	ND	4.0000		
Copper, total	ug/L	MW-11	06/18/2018	ND	4.0000		
Copper, total	ug/L	MW-11	11/28/2018	ND	4.0000		
Copper, total	ug/L	MW-11	06/12/2019	ND	4.0000		
Copper, total	ug/L	MW-11	12/05/2019	ND	4.0000		
Copper, total	ug/L	MW-11	06/17/2020	ND	4.0000		
Copper, total	ug/L	MW-11	12/07/2020	ND	4.0000		
Copper, total	ug/L	MW-11	06/22/2021	ND	4.0000		
Copper, total	ug/L	MW-11	12/02/2021	ND	4.0000		
Copper, total	ug/L	MW-11	06/08/2022		6.2000		
Copper, total	ug/L	MW-11	11/22/2022	ND	4.0000		
Copper, total	ug/L	MW-11	06/06/2023	ND	4.0000		
Copper, total	ug/L	MW-11	12/04/2023	ND	4.0000		
Copper, total	ug/L	MW-11	06/06/2024		5.7000		
Copper, total	ug/L	MW-11	12/04/2024	ND	4.0000		
Copper, total	ug/L	MW-11	06/12/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-11	12/10/2014	ND	4.0000		
Lead, total	ug/L	MW-11	03/04/2015	ND	4.0000		
Lead, total	ug/L	MW-11	06/04/2015	ND	4.0000		
Lead, total	ug/L	MW-11	09/01/2015	ND	4.0000		
Lead, total	ug/L	MW-11	12/01/2015	ND	4.0000		
Lead, total	ug/L	MW-11	06/27/2016	ND	4.0000		
Lead, total	ug/L	MW-11	11/30/2016	ND	4.0000		
Lead, total	ug/L	MW-11	06/22/2017	ND	4.0000		
Lead, total	ug/L	MW-11	11/15/2017	ND	4.0000		
Lead, total	ug/L	MW-11	06/18/2018	ND	4.0000		
Lead, total	ug/L	MW-11	11/28/2018	ND	4.0000		
Lead, total	ug/L	MW-11	06/12/2019	ND	4.0000		
Lead, total	ug/L	MW-11	12/05/2019	ND	4.0000		
Lead, total	ug/L	MW-11	06/17/2020	ND	4.0000		
Lead, total	ug/L	MW-11	12/07/2020	ND	4.0000		
Lead, total	ug/L	MW-11	06/22/2021	ND	4.0000		
Lead, total	ug/L	MW-11	12/02/2021	ND	4.0000		
Lead, total	ug/L	MW-11	06/08/2022	ND	4.0000		
Lead, total	ug/L	MW-11	11/22/2022	ND	4.0000		
Lead, total	ug/L	MW-11	06/06/2023	ND	4.0000		
Lead, total	ug/L	MW-11	12/04/2023	ND	4.0000		
Lead, total	ug/L	MW-11	06/06/2024	ND	4.0000		
Lead, total	ug/L	MW-11	12/04/2024	ND	4.0000		
Lead, total	ug/L	MW-11	06/12/2025	ND	1.0000	4.0000	**
Nickel, total	ug/L	MW-11	12/10/2014	ND	4.0000		
Nickel, total	ug/L	MW-11	03/04/2015		5.5000		
Nickel, total	ug/L	MW-11	06/04/2015	ND	4.0000		
Nickel, total	ug/L	MW-11	09/01/2015	ND	4.0000		
Nickel, total	ug/L	MW-11	12/01/2015	ND	8.0000	4.0000	**
Nickel, total	ug/L	MW-11	06/27/2016	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Nickel, total	ug/L	MW-11	11/30/2016	ND	4.0000		
Nickel, total	ug/L	MW-11	06/22/2017	ND	4.0000		
Nickel, total	ug/L	MW-11	11/15/2017	ND	4.0000		
Nickel, total	ug/L	MW-11	06/18/2018		4.3000		
Nickel, total	ug/L	MW-11	11/28/2018	ND	4.0000		
Nickel, total	ug/L	MW-11	06/12/2019	ND	4.0000		
Nickel, total	ug/L	MW-11	12/05/2019	ND	4.0000		
Nickel, total	ug/L	MW-11	06/17/2020	ND	4.0000		
Nickel, total	ug/L	MW-11	12/07/2020	ND	4.0000		
Nickel, total	ug/L	MW-11	06/22/2021	ND	4.0000		
Nickel, total	ug/L	MW-11	12/02/2021	ND	4.0000		
Nickel, total	ug/L	MW-11	06/08/2022	ND	4.0000		
Nickel, total	ug/L	MW-11	11/22/2022	ND	4.0000		
Nickel, total	ug/L	MW-11	06/06/2023		4.1000		
Nickel, total	ug/L	MW-11	12/04/2023	ND	4.0000		
Nickel, total	ug/L	MW-11	06/06/2024		29.0000		
Nickel, total	ug/L	MW-11	12/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-11	06/12/2025		5.4000		
Selenium, total	ug/L	MW-11	12/10/2014	ND	4.0000		
Selenium, total	ug/L	MW-11	03/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-11	06/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-11	09/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-11	12/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-11	06/27/2016	ND	4.0000		
Selenium, total	ug/L	MW-11	11/30/2016	ND	4.0000		
Selenium, total	ug/L	MW-11	06/22/2017	ND	4.0000		
Selenium, total	ug/L	MW-11	11/15/2017	ND	4.0000		
Selenium, total	ug/L	MW-11	06/18/2018	ND	8.0000	4.0000	**
Selenium, total	ug/L	MW-11	11/28/2018	ND	4.0000		
Selenium, total	ug/L	MW-11	06/12/2019	ND	4.0000		
Selenium, total	ug/L	MW-11	12/05/2019	ND	4.0000		
Selenium, total	ug/L	MW-11	06/17/2020	ND	4.0000		
Selenium, total	ug/L	MW-11	12/07/2020	ND	4.0000		
Selenium, total	ug/L	MW-11	06/22/2021	ND	4.0000		
Selenium, total	ug/L	MW-11	12/02/2021	ND	4.0000		
Selenium, total	ug/L	MW-11	06/08/2022	ND	4.0000		
Selenium, total	ug/L	MW-11	11/22/2022	ND	4.0000		
Selenium, total	ug/L	MW-11	06/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-11	12/04/2023	ND	4.0000		
Selenium, total	ug/L	MW-11	06/06/2024	ND	4.0000		
Selenium, total	ug/L	MW-11	12/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-11	06/12/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-11	12/10/2014	ND	4.0000		
Silver, total	ug/L	MW-11	03/04/2015	ND	4.0000		
Silver, total	ug/L	MW-11	06/04/2015	ND	4.0000		
Silver, total	ug/L	MW-11	09/01/2015	ND	4.0000		
Silver, total	ug/L	MW-11	12/01/2015	ND	4.0000		
Silver, total	ug/L	MW-11	06/27/2016	ND	4.0000		
Silver, total	ug/L	MW-11	11/30/2016	ND	4.0000		
Silver, total	ug/L	MW-11	06/22/2017	ND	4.0000		
Silver, total	ug/L	MW-11	11/15/2017	ND	4.0000		
Silver, total	ug/L	MW-11	06/18/2018	ND	4.0000		
Silver, total	ug/L	MW-11	11/28/2018	ND	4.0000		
Silver, total	ug/L	MW-11	06/12/2019	ND	8.0000	4.0000	**
Silver, total	ug/L	MW-11	12/05/2019	ND	4.0000		
Silver, total	ug/L	MW-11	06/17/2020	ND	4.0000		
Silver, total	ug/L	MW-11	12/07/2020	ND	4.0000		
Silver, total	ug/L	MW-11	06/22/2021	ND	4.0000		
Silver, total	ug/L	MW-11	12/02/2021	ND	4.0000		
Silver, total	ug/L	MW-11	06/08/2022	ND	4.0000		
Silver, total	ug/L	MW-11	11/22/2022	ND	4.0000		
Silver, total	ug/L	MW-11	06/06/2023	ND	4.0000		
Silver, total	ug/L	MW-11	12/04/2023	ND	4.0000		
Silver, total	ug/L	MW-11	06/06/2024	ND	4.0000		
Silver, total	ug/L	MW-11	12/04/2024	ND	4.0000		
Silver, total	ug/L	MW-11	06/12/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-11	12/10/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	03/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	06/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	09/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	12/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	06/27/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	11/30/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	06/22/2017	ND	4.0000	2.0000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium, total	ug/L	MW-11	11/15/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	06/18/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	11/28/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	06/12/2019	ND	2.0000		
Thallium, total	ug/L	MW-11	12/05/2019	ND	2.0000		
Thallium, total	ug/L	MW-11	06/17/2020	ND	2.0000		
Thallium, total	ug/L	MW-11	12/07/2020	ND	2.0000		
Thallium, total	ug/L	MW-11	06/22/2021	ND	2.0000		
Thallium, total	ug/L	MW-11	12/02/2021	ND	2.0000		
Thallium, total	ug/L	MW-11	06/08/2022	ND	2.0000		
Thallium, total	ug/L	MW-11	11/22/2022	ND	2.0000		
Thallium, total	ug/L	MW-11	06/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-11	12/04/2023	ND	2.0000		
Thallium, total	ug/L	MW-11	06/06/2024	ND	2.0000		
Thallium, total	ug/L	MW-11	12/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-11	06/12/2025	ND	0.5000	2.0000	**
Vanadium, total	ug/L	MW-11	12/10/2014	ND	20.0000		
Vanadium, total	ug/L	MW-11	03/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-11	06/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-11	12/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-11	06/27/2016	ND	20.0000		
Vanadium, total	ug/L	MW-11	11/30/2016	ND	20.0000		
Vanadium, total	ug/L	MW-11	06/22/2017	ND	20.0000		
Vanadium, total	ug/L	MW-11	11/15/2017	ND	20.0000		
Vanadium, total	ug/L	MW-11	06/18/2018	ND	20.0000		
Vanadium, total	ug/L	MW-11	11/28/2018	ND	20.0000		
Vanadium, total	ug/L	MW-11	06/12/2019	ND	20.0000		
Vanadium, total	ug/L	MW-11	12/05/2019	ND	20.0000		
Vanadium, total	ug/L	MW-11	06/17/2020	ND	20.0000		
Vanadium, total	ug/L	MW-11	12/07/2020	ND	20.0000		
Vanadium, total	ug/L	MW-11	06/22/2021	ND	20.0000		
Vanadium, total	ug/L	MW-11	12/02/2021	ND	20.0000		
Vanadium, total	ug/L	MW-11	06/08/2022	ND	20.0000		
Vanadium, total	ug/L	MW-11	11/22/2022	ND	20.0000		
Vanadium, total	ug/L	MW-11	06/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-11	12/04/2023	ND	20.0000		
Vanadium, total	ug/L	MW-11	06/06/2024	ND	20.0000		
Vanadium, total	ug/L	MW-11	12/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-11	06/12/2025	ND	4.0000		
Zinc, total	ug/L	MW-11	12/10/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	03/04/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	06/04/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	09/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	12/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	06/27/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	11/30/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	06/22/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	11/15/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	06/18/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	11/28/2018	ND	20.0000		
Zinc, total	ug/L	MW-11	06/12/2019	ND	20.0000		
Zinc, total	ug/L	MW-11	12/05/2019	ND	20.0000		
Zinc, total	ug/L	MW-11	06/17/2020	ND	20.0000		
Zinc, total	ug/L	MW-11	12/07/2020	ND	20.0000		
Zinc, total	ug/L	MW-11	06/22/2021	ND	20.0000		
Zinc, total	ug/L	MW-11	12/02/2021	ND	20.0000		
Zinc, total	ug/L	MW-11	06/08/2022	ND	20.3000		
Zinc, total	ug/L	MW-11	11/22/2022	ND	20.0000		
Zinc, total	ug/L	MW-11	06/06/2023	ND	22.5000		
Zinc, total	ug/L	MW-11	12/04/2023	ND	20.0000		
Zinc, total	ug/L	MW-11	06/06/2024	ND	71.9000		
Zinc, total	ug/L	MW-11	12/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-11	06/12/2025	ND	18.0000		
Antimony, total	ug/L	MW-13	12/10/2014	ND	2.0000		
Antimony, total	ug/L	MW-13	03/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-13	06/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-13	09/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-13	12/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-13	06/27/2016	ND	2.0000		
Antimony, total	ug/L	MW-13	11/30/2016	ND	2.0000		
Antimony, total	ug/L	MW-13	06/22/2017	ND	2.0000		
Antimony, total	ug/L	MW-13	11/15/2017	ND	2.0000		
Antimony, total	ug/L	MW-13	06/18/2018	ND	2.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-13	11/28/2018	ND	2.0000		
Antimony, total	ug/L	MW-13	06/12/2019	ND	2.0000		
Antimony, total	ug/L	MW-13	12/05/2019	ND	2.0000		
Antimony, total	ug/L	MW-13	06/17/2020	ND	2.0000		
Antimony, total	ug/L	MW-13	12/07/2020	ND	2.0000		
Antimony, total	ug/L	MW-13	06/22/2021	ND	2.0000		
Antimony, total	ug/L	MW-13	12/02/2021	ND	2.0000		
Antimony, total	ug/L	MW-13	06/08/2022	ND	2.0000		
Antimony, total	ug/L	MW-13	11/22/2022	ND	2.0000		
Antimony, total	ug/L	MW-13	06/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-13	12/04/2023	ND	2.0000		
Antimony, total	ug/L	MW-13	06/06/2024	ND	2.0000		
Antimony, total	ug/L	MW-13	12/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-13	06/12/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-13	12/10/2014	ND	4.0000		
Arsenic, total	ug/L	MW-13	03/04/2015	ND	4.0000		
Arsenic, total	ug/L	MW-13	06/04/2015	ND	4.0000		
Arsenic, total	ug/L	MW-13	09/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-13	12/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-13	06/27/2016	ND	4.0000		
Arsenic, total	ug/L	MW-13	11/30/2016	ND	4.0000		
Arsenic, total	ug/L	MW-13	06/22/2017	ND	4.0000		
Arsenic, total	ug/L	MW-13	11/15/2017	ND	4.0000		
Arsenic, total	ug/L	MW-13	06/18/2018	ND	4.0000		
Arsenic, total	ug/L	MW-13	11/28/2018	ND	4.0000		
Arsenic, total	ug/L	MW-13	06/12/2019	ND	4.0000		
Arsenic, total	ug/L	MW-13	12/05/2019	ND	4.0000		
Arsenic, total	ug/L	MW-13	06/17/2020	ND	4.0000		
Arsenic, total	ug/L	MW-13	12/07/2020	ND	4.0000		
Arsenic, total	ug/L	MW-13	06/22/2021	ND	4.0000		
Arsenic, total	ug/L	MW-13	12/02/2021	ND	4.0000		
Arsenic, total	ug/L	MW-13	06/08/2022	ND	4.0000		
Arsenic, total	ug/L	MW-13	11/22/2022	ND	4.0000		
Arsenic, total	ug/L	MW-13	06/06/2023	ND	4.0000		
Arsenic, total	ug/L	MW-13	12/04/2023	ND	4.0000		
Arsenic, total	ug/L	MW-13	06/06/2024	ND	4.0000		
Arsenic, total	ug/L	MW-13	12/04/2024	ND	4.0000		
Arsenic, total	ug/L	MW-13	06/12/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-13	12/10/2014		102.0000		
Barium, total	ug/L	MW-13	03/04/2015		117.0000		
Barium, total	ug/L	MW-13	06/04/2015		119.0000		
Barium, total	ug/L	MW-13	09/01/2015		89.4000		
Barium, total	ug/L	MW-13	12/01/2015		90.1000		
Barium, total	ug/L	MW-13	06/27/2016		87.2000		
Barium, total	ug/L	MW-13	11/30/2016		96.2000		
Barium, total	ug/L	MW-13	06/22/2017		85.6000		
Barium, total	ug/L	MW-13	11/15/2017		91.5000		
Barium, total	ug/L	MW-13	06/18/2018		93.9000		
Barium, total	ug/L	MW-13	11/28/2018		127.0000		
Barium, total	ug/L	MW-13	06/12/2019		91.9000		
Barium, total	ug/L	MW-13	12/05/2019		139.0000		
Barium, total	ug/L	MW-13	06/17/2020		82.9000		
Barium, total	ug/L	MW-13	12/07/2020		119.0000		
Barium, total	ug/L	MW-13	06/22/2021		90.3000		
Barium, total	ug/L	MW-13	12/02/2021		119.0000		
Barium, total	ug/L	MW-13	06/08/2022		106.0000		
Barium, total	ug/L	MW-13	11/22/2022		125.0000		
Barium, total	ug/L	MW-13	06/06/2023		136.0000		
Barium, total	ug/L	MW-13	12/04/2023		123.0000		
Barium, total	ug/L	MW-13	06/06/2024		97.3000		
Barium, total	ug/L	MW-13	12/04/2024		102.0000		
Barium, total	ug/L	MW-13	06/12/2025		88.7000		
Beryllium, total	ug/L	MW-13	12/10/2014	ND	4.0000		
Beryllium, total	ug/L	MW-13	03/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-13	06/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-13	09/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-13	12/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-13	06/27/2016	ND	4.0000		
Beryllium, total	ug/L	MW-13	11/30/2016	ND	4.0000		
Beryllium, total	ug/L	MW-13	06/22/2017	ND	4.0000		
Beryllium, total	ug/L	MW-13	11/15/2017	ND	4.0000		
Beryllium, total	ug/L	MW-13	06/18/2018	ND	4.0000		
Beryllium, total	ug/L	MW-13	11/28/2018	ND	4.0000		
Beryllium, total	ug/L	MW-13	06/12/2019	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	
Beryllium, total	ug/L	MW-13	12/05/2019	ND	4.0000		
Beryllium, total	ug/L	MW-13	06/17/2020	ND	4.0000		
Beryllium, total	ug/L	MW-13	12/07/2020	ND	4.0000		
Beryllium, total	ug/L	MW-13	06/22/2021	ND	4.0000		
Beryllium, total	ug/L	MW-13	12/02/2021	ND	4.0000		
Beryllium, total	ug/L	MW-13	06/08/2022	ND	4.0000		
Beryllium, total	ug/L	MW-13	11/22/2022	ND	4.0000		
Beryllium, total	ug/L	MW-13	06/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-13	12/04/2023	ND	4.0000		
Beryllium, total	ug/L	MW-13	06/06/2024	ND	4.0000		
Beryllium, total	ug/L	MW-13	12/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-13	06/12/2025	ND	0.5000	4.0000	**
Cadmium, total	ug/L	MW-13	12/10/2014	ND	0.8000		
Cadmium, total	ug/L	MW-13	03/04/2015	ND	0.8000		
Cadmium, total	ug/L	MW-13	06/04/2015	ND	0.8000		
Cadmium, total	ug/L	MW-13	09/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-13	12/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-13	06/27/2016	ND	0.8000		
Cadmium, total	ug/L	MW-13	11/30/2016	ND	0.8000		
Cadmium, total	ug/L	MW-13	06/22/2017	ND	0.8000		
Cadmium, total	ug/L	MW-13	11/15/2017	ND	0.8000		
Cadmium, total	ug/L	MW-13	06/18/2018	ND	0.8000		
Cadmium, total	ug/L	MW-13	11/28/2018	ND	0.8000		
Cadmium, total	ug/L	MW-13	06/12/2019	ND	0.8000		
Cadmium, total	ug/L	MW-13	12/05/2019	ND	0.8000		
Cadmium, total	ug/L	MW-13	06/17/2020	ND	0.8000		
Cadmium, total	ug/L	MW-13	12/07/2020		1.5000		
Cadmium, total	ug/L	MW-13	06/22/2021	ND	0.8000		
Cadmium, total	ug/L	MW-13	12/02/2021	ND	0.8000		
Cadmium, total	ug/L	MW-13	06/08/2022	ND	0.8000		
Cadmium, total	ug/L	MW-13	11/22/2022	ND	0.8000		
Cadmium, total	ug/L	MW-13	06/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-13	12/04/2023	ND	0.8000		
Cadmium, total	ug/L	MW-13	06/06/2024	ND	0.8000		
Cadmium, total	ug/L	MW-13	12/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-13	06/12/2025		0.4000		
Chromium, total	ug/L	MW-13	12/10/2014	ND	8.0000		
Chromium, total	ug/L	MW-13	03/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-13	06/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-13	09/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-13	12/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-13	06/27/2016	ND	8.0000		
Chromium, total	ug/L	MW-13	11/30/2016	ND	8.0000		
Chromium, total	ug/L	MW-13	06/22/2017	ND	8.0000		
Chromium, total	ug/L	MW-13	11/15/2017	ND	8.0000		
Chromium, total	ug/L	MW-13	06/18/2018	ND	8.0000		
Chromium, total	ug/L	MW-13	11/28/2018	ND	8.0000		
Chromium, total	ug/L	MW-13	06/12/2019	ND	8.0000		
Chromium, total	ug/L	MW-13	12/05/2019	ND	8.0000		
Chromium, total	ug/L	MW-13	06/17/2020	ND	8.0000		
Chromium, total	ug/L	MW-13	12/07/2020	ND	8.0000		
Chromium, total	ug/L	MW-13	06/22/2021	ND	8.0000		
Chromium, total	ug/L	MW-13	12/02/2021	ND	8.0000		
Chromium, total	ug/L	MW-13	06/08/2022	ND	8.0000		
Chromium, total	ug/L	MW-13	11/22/2022	ND	8.0000		
Chromium, total	ug/L	MW-13	06/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-13	12/04/2023	ND	8.0000		
Chromium, total	ug/L	MW-13	06/06/2024	ND	8.0000		
Chromium, total	ug/L	MW-13	12/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-13	06/12/2025		1.0000		
Cobalt, total	ug/L	MW-13	12/10/2014	ND	0.8000		
Cobalt, total	ug/L	MW-13	03/04/2015	ND	0.8000		
Cobalt, total	ug/L	MW-13	06/04/2015		0.8000		
Cobalt, total	ug/L	MW-13	09/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-13	12/01/2015		0.9000		
Cobalt, total	ug/L	MW-13	06/27/2016	ND	0.8000		
Cobalt, total	ug/L	MW-13	11/30/2016	ND	0.8000		
Cobalt, total	ug/L	MW-13	06/22/2017	ND	0.8000		
Cobalt, total	ug/L	MW-13	11/15/2017	ND	0.8000		
Cobalt, total	ug/L	MW-13	06/18/2018	ND	0.8000		
Cobalt, total	ug/L	MW-13	11/28/2018	ND	0.8000		
Cobalt, total	ug/L	MW-13	06/12/2019	ND	0.8000		
Cobalt, total	ug/L	MW-13	12/05/2019	ND	0.8000		
Cobalt, total	ug/L	MW-13	06/17/2020	ND	0.4000	0.8000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, total	ug/L	MW-13	12/07/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-13	06/22/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-13	12/02/2021		0.6000		
Cobalt, total	ug/L	MW-13	06/08/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-13	11/22/2022		0.5000		
Cobalt, total	ug/L	MW-13	06/06/2023		1.4000		
Cobalt, total	ug/L	MW-13	12/04/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-13	06/06/2024		0.4000		
Cobalt, total	ug/L	MW-13	12/04/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-13	06/12/2025	ND	0.5000	0.8000	**
Copper, total	ug/L	MW-13	12/10/2014		4.9000		
Copper, total	ug/L	MW-13	03/04/2015	ND	4.0000		
Copper, total	ug/L	MW-13	06/04/2015	ND	4.0000		
Copper, total	ug/L	MW-13	09/01/2015	ND	4.0000		
Copper, total	ug/L	MW-13	12/01/2015	ND	4.0000		
Copper, total	ug/L	MW-13	06/27/2016	ND	4.0000		
Copper, total	ug/L	MW-13	11/30/2016	ND	4.0000		
Copper, total	ug/L	MW-13	06/22/2017	ND	4.0000		
Copper, total	ug/L	MW-13	11/15/2017	ND	4.0000		
Copper, total	ug/L	MW-13	06/18/2018	ND	4.0000		
Copper, total	ug/L	MW-13	11/28/2018		5.3000		
Copper, total	ug/L	MW-13	06/12/2019	ND	4.0000		
Copper, total	ug/L	MW-13	12/05/2019	ND	4.0000		
Copper, total	ug/L	MW-13	06/17/2020	ND	4.0000		
Copper, total	ug/L	MW-13	12/07/2020	ND	4.0000		
Copper, total	ug/L	MW-13	06/22/2021	ND	4.0000		
Copper, total	ug/L	MW-13	12/02/2021	ND	4.0000		
Copper, total	ug/L	MW-13	06/08/2022	ND	4.0000		
Copper, total	ug/L	MW-13	11/22/2022	ND	4.0000		
Copper, total	ug/L	MW-13	06/06/2023	ND	4.0000		
Copper, total	ug/L	MW-13	12/04/2023	ND	4.0000		
Copper, total	ug/L	MW-13	06/06/2024	ND	4.0000		
Copper, total	ug/L	MW-13	12/04/2024	ND	4.0000		
Copper, total	ug/L	MW-13	06/12/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-13	12/10/2014	ND	4.0000		
Lead, total	ug/L	MW-13	03/04/2015	ND	4.0000		
Lead, total	ug/L	MW-13	06/04/2015	ND	4.0000		
Lead, total	ug/L	MW-13	09/01/2015	ND	4.0000		
Lead, total	ug/L	MW-13	12/01/2015	ND	4.0000		
Lead, total	ug/L	MW-13	06/27/2016	ND	4.0000		
Lead, total	ug/L	MW-13	11/30/2016	ND	4.0000		
Lead, total	ug/L	MW-13	06/22/2017	ND	4.0000		
Lead, total	ug/L	MW-13	11/15/2017	ND	4.0000		
Lead, total	ug/L	MW-13	06/18/2018	ND	4.0000		
Lead, total	ug/L	MW-13	11/28/2018	ND	4.0000		
Lead, total	ug/L	MW-13	06/12/2019	ND	4.0000		
Lead, total	ug/L	MW-13	12/05/2019	ND	4.0000		
Lead, total	ug/L	MW-13	06/17/2020	ND	4.0000		
Lead, total	ug/L	MW-13	12/07/2020	ND	4.0000		
Lead, total	ug/L	MW-13	06/22/2021	ND	4.0000		
Lead, total	ug/L	MW-13	12/02/2021	ND	4.0000		
Lead, total	ug/L	MW-13	06/08/2022	ND	4.0000		
Lead, total	ug/L	MW-13	11/22/2022	ND	4.0000		
Lead, total	ug/L	MW-13	06/06/2023	ND	4.0000		
Lead, total	ug/L	MW-13	12/04/2023	ND	4.0000		
Lead, total	ug/L	MW-13	06/06/2024	ND	4.0000		
Lead, total	ug/L	MW-13	12/04/2024	ND	4.0000		
Lead, total	ug/L	MW-13	06/12/2025	ND	1.0000	4.0000	**
Nickel, total	ug/L	MW-13	12/10/2014		11.9000		
Nickel, total	ug/L	MW-13	03/04/2015		14.0000		
Nickel, total	ug/L	MW-13	06/04/2015		15.5000		
Nickel, total	ug/L	MW-13	09/01/2015		9.1000		
Nickel, total	ug/L	MW-13	12/01/2015		9.6000		
Nickel, total	ug/L	MW-13	06/27/2016		9.7000		
Nickel, total	ug/L	MW-13	11/30/2016		8.8000		
Nickel, total	ug/L	MW-13	06/22/2017		5.2000		
Nickel, total	ug/L	MW-13	11/15/2017		9.9000		
Nickel, total	ug/L	MW-13	06/18/2018		9.1000		
Nickel, total	ug/L	MW-13	11/28/2018		16.0000		
Nickel, total	ug/L	MW-13	06/12/2019		6.0000		
Nickel, total	ug/L	MW-13	12/05/2019		13.7000		
Nickel, total	ug/L	MW-13	06/17/2020		5.7000		
Nickel, total	ug/L	MW-13	12/07/2020		13.5000		
Nickel, total	ug/L	MW-13	06/22/2021		6.1000		

* - 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	
Nickel, total	ug/L	MW-13	12/02/2021		15.2000		
Nickel, total	ug/L	MW-13	06/08/2022		7.5000		
Nickel, total	ug/L	MW-13	11/22/2022		16.3000		
Nickel, total	ug/L	MW-13	06/06/2023		7.8000		
Nickel, total	ug/L	MW-13	12/04/2023		16.9000		
Nickel, total	ug/L	MW-13	06/06/2024		16.9000		
Nickel, total	ug/L	MW-13	12/04/2024		16.7000		
Nickel, total	ug/L	MW-13	06/12/2025		10.2000		
Selenium, total	ug/L	MW-13	12/10/2014	ND	4.0000		
Selenium, total	ug/L	MW-13	03/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-13	06/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-13	09/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-13	12/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-13	06/27/2016	ND	4.0000		
Selenium, total	ug/L	MW-13	11/30/2016	ND	4.0000		
Selenium, total	ug/L	MW-13	06/22/2017	ND	4.0000		
Selenium, total	ug/L	MW-13	11/15/2017	ND	4.0000		
Selenium, total	ug/L	MW-13	06/18/2018	ND	8.0000	4.0000	**
Selenium, total	ug/L	MW-13	11/28/2018	ND	4.0000		
Selenium, total	ug/L	MW-13	06/12/2019	ND	4.0000		
Selenium, total	ug/L	MW-13	12/05/2019	ND	4.0000		
Selenium, total	ug/L	MW-13	06/17/2020	ND	4.0000		
Selenium, total	ug/L	MW-13	12/07/2020	ND	4.0000		
Selenium, total	ug/L	MW-13	06/22/2021	ND	4.0000		
Selenium, total	ug/L	MW-13	12/02/2021	ND	4.0000		
Selenium, total	ug/L	MW-13	06/08/2022	ND	4.0000		
Selenium, total	ug/L	MW-13	11/22/2022	ND	4.0000		
Selenium, total	ug/L	MW-13	06/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-13	12/04/2023	ND	4.0000		
Selenium, total	ug/L	MW-13	06/06/2024	ND	4.0000		
Selenium, total	ug/L	MW-13	12/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-13	06/12/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-13	12/10/2014	ND	4.0000		
Silver, total	ug/L	MW-13	03/04/2015	ND	4.0000		
Silver, total	ug/L	MW-13	06/04/2015	ND	4.0000		
Silver, total	ug/L	MW-13	09/01/2015	ND	4.0000		
Silver, total	ug/L	MW-13	12/01/2015	ND	4.0000		
Silver, total	ug/L	MW-13	06/27/2016	ND	4.0000		
Silver, total	ug/L	MW-13	11/30/2016	ND	4.0000		
Silver, total	ug/L	MW-13	06/22/2017	ND	4.0000		
Silver, total	ug/L	MW-13	11/15/2017	ND	4.0000		
Silver, total	ug/L	MW-13	06/18/2018	ND	4.0000		
Silver, total	ug/L	MW-13	11/28/2018	ND	4.0000		
Silver, total	ug/L	MW-13	06/12/2019	ND	8.0000	4.0000	**
Silver, total	ug/L	MW-13	12/05/2019	ND	4.0000		
Silver, total	ug/L	MW-13	06/17/2020	ND	4.0000		
Silver, total	ug/L	MW-13	12/07/2020	ND	4.0000		
Silver, total	ug/L	MW-13	06/22/2021	ND	4.0000		
Silver, total	ug/L	MW-13	12/02/2021	ND	4.0000		
Silver, total	ug/L	MW-13	06/08/2022	ND	4.0000		
Silver, total	ug/L	MW-13	11/22/2022	ND	4.0000		
Silver, total	ug/L	MW-13	06/06/2023	ND	4.0000		
Silver, total	ug/L	MW-13	12/04/2023	ND	4.0000		
Silver, total	ug/L	MW-13	06/06/2024	ND	4.0000		
Silver, total	ug/L	MW-13	12/04/2024	ND	4.0000		
Silver, total	ug/L	MW-13	06/12/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-13	12/10/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-13	03/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-13	06/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-13	09/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-13	12/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-13	06/27/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-13	11/30/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-13	06/22/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-13	11/15/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-13	06/18/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-13	11/28/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-13	06/12/2019	ND	2.0000		
Thallium, total	ug/L	MW-13	12/05/2019	ND	2.0000		
Thallium, total	ug/L	MW-13	06/17/2020	ND	2.0000		
Thallium, total	ug/L	MW-13	12/07/2020	ND	2.0000		
Thallium, total	ug/L	MW-13	06/22/2021	ND	2.0000		
Thallium, total	ug/L	MW-13	12/02/2021	ND	2.0000		
Thallium, total	ug/L	MW-13	06/08/2022	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	11/22/2022	ND	2.0000		
Thallium, total	ug/L	MW-13	06/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-13	12/04/2023	ND	2.0000		
Thallium, total	ug/L	MW-13	06/06/2024	ND	2.0000		
Thallium, total	ug/L	MW-13	12/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-13	06/12/2025	ND	0.5000	2.0000	**
Vanadium, total	ug/L	MW-13	12/10/2014	ND	20.0000		
Vanadium, total	ug/L	MW-13	03/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-13	06/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-13	09/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-13	12/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-13	06/27/2016	ND	20.0000		
Vanadium, total	ug/L	MW-13	11/30/2016	ND	20.0000		
Vanadium, total	ug/L	MW-13	06/22/2017	ND	20.0000		
Vanadium, total	ug/L	MW-13	11/15/2017	ND	20.0000		
Vanadium, total	ug/L	MW-13	06/18/2018	ND	20.0000		
Vanadium, total	ug/L	MW-13	11/28/2018	ND	20.0000		
Vanadium, total	ug/L	MW-13	06/12/2019	ND	20.0000		
Vanadium, total	ug/L	MW-13	12/05/2019	ND	20.0000		
Vanadium, total	ug/L	MW-13	06/17/2020	ND	20.0000		
Vanadium, total	ug/L	MW-13	12/07/2020	ND	20.0000		
Vanadium, total	ug/L	MW-13	06/22/2021	ND	20.0000		
Vanadium, total	ug/L	MW-13	12/02/2021	ND	20.0000		
Vanadium, total	ug/L	MW-13	06/08/2022	ND	20.0000		
Vanadium, total	ug/L	MW-13	11/22/2022	ND	20.0000		
Vanadium, total	ug/L	MW-13	06/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-13	12/04/2023	ND	20.0000		
Vanadium, total	ug/L	MW-13	06/06/2024	ND	20.0000		
Vanadium, total	ug/L	MW-13	12/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-13	06/12/2025	ND	2.0000	20.0000	**
Zinc, total	ug/L	MW-13	12/10/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-13	03/04/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-13	06/04/2015		12.7000		
Zinc, total	ug/L	MW-13	09/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-13	12/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-13	06/27/2016		8.0000		
Zinc, total	ug/L	MW-13	11/30/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-13	06/22/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-13	11/15/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-13	06/18/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-13	11/28/2018	ND	20.0000		
Zinc, total	ug/L	MW-13	06/12/2019	ND	20.0000		
Zinc, total	ug/L	MW-13	12/05/2019	ND	20.0000		
Zinc, total	ug/L	MW-13	06/17/2020	ND	20.0000		
Zinc, total	ug/L	MW-13	12/07/2020	ND	20.0000		
Zinc, total	ug/L	MW-13	06/22/2021	ND	20.0000		
Zinc, total	ug/L	MW-13	12/02/2021	ND	20.0000		
Zinc, total	ug/L	MW-13	06/08/2022	ND	20.0000		
Zinc, total	ug/L	MW-13	11/22/2022	ND	20.0000		
Zinc, total	ug/L	MW-13	06/06/2023	ND	20.0000		
Zinc, total	ug/L	MW-13	12/04/2023	ND	20.0000		
Zinc, total	ug/L	MW-13	06/06/2024	ND	20.0000		
Zinc, total	ug/L	MW-13	12/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-13	06/12/2025		13.4000		
Antimony, total	ug/L	MW-27	06/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-27	09/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-27	12/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-27	06/27/2016	ND	2.0000		
Antimony, total	ug/L	MW-27	11/30/2016	ND	2.0000		
Antimony, total	ug/L	MW-27	06/22/2017	ND	2.0000		
Antimony, total	ug/L	MW-27	06/12/2019	ND	2.0000		
Antimony, total	ug/L	MW-27	12/05/2019	ND	2.0000		
Antimony, total	ug/L	MW-27	06/17/2020	ND	2.0000		
Antimony, total	ug/L	MW-27	12/07/2020	ND	2.0000		
Antimony, total	ug/L	MW-27	06/22/2021	ND	2.0000		
Antimony, total	ug/L	MW-27	12/02/2021	ND	2.0000		
Antimony, total	ug/L	MW-27	06/08/2022	ND	2.0000		
Antimony, total	ug/L	MW-27	06/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-27	06/12/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-27	06/04/2015	ND	4.0000		
Arsenic, total	ug/L	MW-27	09/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-27	12/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-27	06/27/2016	ND	4.0000		
Arsenic, total	ug/L	MW-27	11/30/2016	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic, total	ug/L	MW-27	06/22/2017	ND	4.0000		
Arsenic, total	ug/L	MW-27	06/12/2019	ND	4.0000		
Arsenic, total	ug/L	MW-27	12/05/2019	ND	4.0000		
Arsenic, total	ug/L	MW-27	06/17/2020		6.8000		
Arsenic, total	ug/L	MW-27	12/07/2020		5.3000		
Arsenic, total	ug/L	MW-27	06/22/2021	ND	4.0000		
Arsenic, total	ug/L	MW-27	12/02/2021		5.1000		
Arsenic, total	ug/L	MW-27	06/08/2022	ND	4.0000		
Arsenic, total	ug/L	MW-27	06/06/2023	ND	4.0000		
Arsenic, total	ug/L	MW-27	06/12/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-27	06/04/2015		477.0000		
Barium, total	ug/L	MW-27	09/01/2015		409.0000		
Barium, total	ug/L	MW-27	12/01/2015		453.0000		
Barium, total	ug/L	MW-27	06/27/2016		407.0000		
Barium, total	ug/L	MW-27	11/30/2016		403.0000		
Barium, total	ug/L	MW-27	06/22/2017		409.0000		
Barium, total	ug/L	MW-27	06/12/2019		418.0000		
Barium, total	ug/L	MW-27	12/05/2019		410.0000		
Barium, total	ug/L	MW-27	06/17/2020		436.0000		
Barium, total	ug/L	MW-27	12/07/2020		483.0000		
Barium, total	ug/L	MW-27	06/22/2021		452.0000		
Barium, total	ug/L	MW-27	12/02/2021		460.0000		
Barium, total	ug/L	MW-27	06/08/2022		453.0000		
Barium, total	ug/L	MW-27	06/06/2023		623.0000		
Barium, total	ug/L	MW-27	06/12/2025		585.0000		
Beryllium, total	ug/L	MW-27	06/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-27	09/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-27	12/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-27	06/27/2016	ND	4.0000		
Beryllium, total	ug/L	MW-27	11/30/2016	ND	4.0000		
Beryllium, total	ug/L	MW-27	06/22/2017	ND	4.0000		
Beryllium, total	ug/L	MW-27	06/12/2019	ND	4.0000		
Beryllium, total	ug/L	MW-27	12/05/2019	ND	4.0000		
Beryllium, total	ug/L	MW-27	06/17/2020	ND	4.0000		
Beryllium, total	ug/L	MW-27	12/07/2020	ND	4.0000		
Beryllium, total	ug/L	MW-27	06/22/2021	ND	4.0000		
Beryllium, total	ug/L	MW-27	12/02/2021	ND	4.0000		
Beryllium, total	ug/L	MW-27	06/08/2022	ND	4.0000		
Beryllium, total	ug/L	MW-27	06/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-27	06/12/2025	ND	0.5000	4.0000	**
Cadmium, total	ug/L	MW-27	06/04/2015	ND	0.8000		
Cadmium, total	ug/L	MW-27	09/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-27	12/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-27	06/27/2016	ND	0.8000		
Cadmium, total	ug/L	MW-27	11/30/2016	ND	0.8000		
Cadmium, total	ug/L	MW-27	06/22/2017	ND	0.8000		
Cadmium, total	ug/L	MW-27	06/12/2019	ND	0.8000		
Cadmium, total	ug/L	MW-27	12/05/2019	ND	0.8000		
Cadmium, total	ug/L	MW-27	06/17/2020		1.1000		
Cadmium, total	ug/L	MW-27	12/07/2020		0.9000		
Cadmium, total	ug/L	MW-27	06/22/2021		1.4000		
Cadmium, total	ug/L	MW-27	12/02/2021		1.6000		
Cadmium, total	ug/L	MW-27	06/08/2022		0.8000		
Cadmium, total	ug/L	MW-27	06/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-27	06/12/2025		0.4000		
Chromium, total	ug/L	MW-27	06/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-27	09/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-27	12/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-27	06/27/2016	ND	8.0000		
Chromium, total	ug/L	MW-27	11/30/2016	ND	8.0000		
Chromium, total	ug/L	MW-27	06/22/2017	ND	8.0000		
Chromium, total	ug/L	MW-27	06/12/2019	ND	8.0000		
Chromium, total	ug/L	MW-27	12/05/2019	ND	8.0000		
Chromium, total	ug/L	MW-27	06/17/2020	ND	8.0000		
Chromium, total	ug/L	MW-27	12/07/2020	ND	8.0000		
Chromium, total	ug/L	MW-27	06/22/2021	ND	8.0000		
Chromium, total	ug/L	MW-27	12/02/2021	ND	8.0000		
Chromium, total	ug/L	MW-27	06/08/2022	ND	8.0000		
Chromium, total	ug/L	MW-27	06/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-27	06/12/2025		1.2000		
Cobalt, total	ug/L	MW-27	06/04/2015	ND	0.8000		
Cobalt, total	ug/L	MW-27	09/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-27	12/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-27	06/27/2016	ND	0.8000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, total	ug/L	MW-27	11/30/2016	ND	0.8000		
Cobalt, total	ug/L	MW-27	06/22/2017	ND	0.8000		
Cobalt, total	ug/L	MW-27	06/12/2019	ND	0.8000		
Cobalt, total	ug/L	MW-27	12/05/2019	ND	0.8000		
Cobalt, total	ug/L	MW-27	06/17/2020		10.7000		
Cobalt, total	ug/L	MW-27	12/07/2020		7.2000		
Cobalt, total	ug/L	MW-27	06/22/2021		2.3000		
Cobalt, total	ug/L	MW-27	12/02/2021		2.6000		
Cobalt, total	ug/L	MW-27	06/08/2022		1.0000		
Cobalt, total	ug/L	MW-27	06/06/2023		1.5000		
Cobalt, total	ug/L	MW-27	06/12/2025	ND	0.5000	0.8000	**
Copper, total	ug/L	MW-27	06/04/2015	ND	4.0000		
Copper, total	ug/L	MW-27	09/01/2015	ND	4.0000		
Copper, total	ug/L	MW-27	12/01/2015	ND	4.0000		
Copper, total	ug/L	MW-27	06/27/2016	ND	4.0000		
Copper, total	ug/L	MW-27	11/30/2016	ND	4.0000		
Copper, total	ug/L	MW-27	06/22/2017	ND	4.0000		
Copper, total	ug/L	MW-27	06/12/2019	ND	4.0000		
Copper, total	ug/L	MW-27	12/05/2019	ND	4.0000		
Copper, total	ug/L	MW-27	06/17/2020		12.8000		
Copper, total	ug/L	MW-27	12/07/2020		14.3000		
Copper, total	ug/L	MW-27	06/22/2021	ND	4.0000		
Copper, total	ug/L	MW-27	12/02/2021		12.2000		
Copper, total	ug/L	MW-27	06/08/2022		10.3000		
Copper, total	ug/L	MW-27	06/06/2023		6.9000		
Copper, total	ug/L	MW-27	06/12/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-27	06/04/2015	ND	4.0000		
Lead, total	ug/L	MW-27	09/01/2015	ND	4.0000		
Lead, total	ug/L	MW-27	12/01/2015	ND	4.0000		
Lead, total	ug/L	MW-27	06/27/2016	ND	4.0000		
Lead, total	ug/L	MW-27	11/30/2016	ND	4.0000		
Lead, total	ug/L	MW-27	06/22/2017	ND	4.0000		
Lead, total	ug/L	MW-27	06/12/2019	ND	4.0000		
Lead, total	ug/L	MW-27	12/05/2019	ND	4.0000		
Lead, total	ug/L	MW-27	06/17/2020	ND	4.0000		
Lead, total	ug/L	MW-27	12/07/2020	ND	4.0000		
Lead, total	ug/L	MW-27	06/22/2021	ND	4.0000		
Lead, total	ug/L	MW-27	12/02/2021	ND	4.0000		
Lead, total	ug/L	MW-27	06/08/2022	ND	4.0000		
Lead, total	ug/L	MW-27	06/06/2023	ND	4.0000		
Lead, total	ug/L	MW-27	06/12/2025	ND	1.0000	4.0000	**
Nickel, total	ug/L	MW-27	06/04/2015	ND	4.0000		
Nickel, total	ug/L	MW-27	09/01/2015	ND	4.0000		
Nickel, total	ug/L	MW-27	12/01/2015		9.4000		
Nickel, total	ug/L	MW-27	06/27/2016		5.9000		
Nickel, total	ug/L	MW-27	11/30/2016	ND	4.0000		
Nickel, total	ug/L	MW-27	06/22/2017	ND	4.0000		
Nickel, total	ug/L	MW-27	06/12/2019	ND	4.0000		
Nickel, total	ug/L	MW-27	12/05/2019	ND	4.0000		
Nickel, total	ug/L	MW-27	06/17/2020		23.3000		
Nickel, total	ug/L	MW-27	12/07/2020		31.8000		
Nickel, total	ug/L	MW-27	06/22/2021	ND	4.0000		
Nickel, total	ug/L	MW-27	12/02/2021		11.7000		
Nickel, total	ug/L	MW-27	06/08/2022		7.1000		
Nickel, total	ug/L	MW-27	06/06/2023		5.2000		
Nickel, total	ug/L	MW-27	06/12/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-27	06/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-27	09/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-27	12/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-27	06/27/2016	ND	4.0000		
Selenium, total	ug/L	MW-27	11/30/2016	ND	4.0000		
Selenium, total	ug/L	MW-27	06/22/2017	ND	4.0000		
Selenium, total	ug/L	MW-27	06/12/2019	ND	4.0000		
Selenium, total	ug/L	MW-27	12/05/2019	ND	4.0000		
Selenium, total	ug/L	MW-27	06/17/2020	ND	4.0000		
Selenium, total	ug/L	MW-27	12/07/2020	ND	4.0000		
Selenium, total	ug/L	MW-27	06/22/2021	ND	4.0000		
Selenium, total	ug/L	MW-27	12/02/2021	ND	4.0000		
Selenium, total	ug/L	MW-27	06/08/2022	ND	4.0000		
Selenium, total	ug/L	MW-27	06/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-27	06/12/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-27	06/04/2015	ND	4.0000		
Silver, total	ug/L	MW-27	09/01/2015	ND	4.0000		
Silver, total	ug/L	MW-27	12/01/2015	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Silver, total	ug/L	MW-27	06/27/2016	ND	4.0000		
Silver, total	ug/L	MW-27	11/30/2016	ND	4.0000		
Silver, total	ug/L	MW-27	06/22/2017	ND	4.0000		
Silver, total	ug/L	MW-27	06/12/2019	ND	8.0000	4.0000	**
Silver, total	ug/L	MW-27	12/05/2019	ND	4.0000		
Silver, total	ug/L	MW-27	06/17/2020	ND	4.0000		
Silver, total	ug/L	MW-27	12/07/2020	ND	4.0000		
Silver, total	ug/L	MW-27	06/22/2021	ND	4.0000		
Silver, total	ug/L	MW-27	12/02/2021	ND	4.0000		
Silver, total	ug/L	MW-27	06/08/2022	ND	4.0000		
Silver, total	ug/L	MW-27	06/06/2023	ND	4.0000		
Silver, total	ug/L	MW-27	06/12/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-27	06/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-27	09/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-27	12/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-27	06/27/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-27	11/30/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-27	06/22/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-27	06/12/2019	ND	2.0000		
Thallium, total	ug/L	MW-27	12/05/2019	ND	2.0000		
Thallium, total	ug/L	MW-27	06/17/2020	ND	2.0000		
Thallium, total	ug/L	MW-27	12/07/2020	ND	2.0000		
Thallium, total	ug/L	MW-27	06/22/2021	ND	2.0000		
Thallium, total	ug/L	MW-27	12/02/2021	ND	2.0000		
Thallium, total	ug/L	MW-27	06/08/2022	ND	2.0000		
Thallium, total	ug/L	MW-27	06/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-27	06/12/2025	ND	0.5000	2.0000	**
Vanadium, total	ug/L	MW-27	06/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-27	09/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-27	12/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-27	06/27/2016	ND	20.0000		
Vanadium, total	ug/L	MW-27	11/30/2016	ND	20.0000		
Vanadium, total	ug/L	MW-27	06/22/2017	ND	20.0000		
Vanadium, total	ug/L	MW-27	06/12/2019	ND	20.0000		
Vanadium, total	ug/L	MW-27	12/05/2019	ND	20.0000		
Vanadium, total	ug/L	MW-27	06/17/2020	ND	20.0000		
Vanadium, total	ug/L	MW-27	12/07/2020	ND	20.0000		
Vanadium, total	ug/L	MW-27	06/22/2021	ND	20.0000		
Vanadium, total	ug/L	MW-27	12/02/2021	ND	20.0000		
Vanadium, total	ug/L	MW-27	06/08/2022	ND	20.0000		
Vanadium, total	ug/L	MW-27	06/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-27	06/12/2025		3.7000		
Zinc, total	ug/L	MW-27	06/04/2015		8.6000		
Zinc, total	ug/L	MW-27	09/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-27	12/01/2015		14.8000		
Zinc, total	ug/L	MW-27	06/27/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-27	11/30/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-27	06/22/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-27	06/12/2019	ND	20.0000		
Zinc, total	ug/L	MW-27	12/05/2019		13.9000		
Zinc, total	ug/L	MW-27	06/17/2020		58.1000		
Zinc, total	ug/L	MW-27	12/07/2020		40.0000		
Zinc, total	ug/L	MW-27	06/22/2021	ND	20.0000		
Zinc, total	ug/L	MW-27	12/02/2021		51.1000		
Zinc, total	ug/L	MW-27	06/08/2022		31.5000		
Zinc, total	ug/L	MW-27	06/06/2023		61.2000		
Zinc, total	ug/L	MW-27	06/12/2025		23.0000		
Antimony, total	ug/L	MW-28	12/10/2014	ND	2.0000		
Antimony, total	ug/L	MW-28	03/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-28	06/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-28	09/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-28	12/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-28	06/27/2016	ND	2.0000		
Antimony, total	ug/L	MW-28	11/30/2016	ND	2.0000		
Antimony, total	ug/L	MW-28	06/22/2017	ND	2.0000		
Antimony, total	ug/L	MW-28	11/15/2017	ND	2.0000		
Antimony, total	ug/L	MW-28	06/18/2018	ND	2.0000		
Antimony, total	ug/L	MW-28	11/28/2018	ND	2.0000		
Antimony, total	ug/L	MW-28	06/12/2019	ND	2.0000		
Antimony, total	ug/L	MW-28	12/05/2019	ND	2.0000		
Antimony, total	ug/L	MW-28	06/17/2020	ND	2.0000		
Antimony, total	ug/L	MW-28	12/07/2020	ND	2.0000		
Antimony, total	ug/L	MW-28	06/22/2021	ND	2.0000		
Antimony, total	ug/L	MW-28	12/02/2021	ND	2.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-28	06/08/2022	ND	2.0000		
Antimony, total	ug/L	MW-28	11/22/2022	ND	2.0000		
Antimony, total	ug/L	MW-28	06/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-28	12/04/2023	ND	2.0000		
Antimony, total	ug/L	MW-28	06/06/2024	ND	2.0000		
Antimony, total	ug/L	MW-28	12/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-28	06/12/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-28	12/10/2014	ND	4.0000		
Arsenic, total	ug/L	MW-28	03/04/2015	ND	4.0000		
Arsenic, total	ug/L	MW-28	06/04/2015	ND	4.0000		
Arsenic, total	ug/L	MW-28	09/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-28	12/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-28	06/27/2016	ND	4.0000		
Arsenic, total	ug/L	MW-28	11/30/2016	ND	4.0000		
Arsenic, total	ug/L	MW-28	06/22/2017	ND	4.0000		
Arsenic, total	ug/L	MW-28	11/15/2017	ND	4.0000		
Arsenic, total	ug/L	MW-28	06/18/2018	ND	4.0000		
Arsenic, total	ug/L	MW-28	11/28/2018	ND	4.0000		
Arsenic, total	ug/L	MW-28	06/12/2019	ND	4.0000		
Arsenic, total	ug/L	MW-28	12/05/2019	ND	4.0000		
Arsenic, total	ug/L	MW-28	06/17/2020	ND	4.0000		
Arsenic, total	ug/L	MW-28	12/07/2020	ND	4.0000		
Arsenic, total	ug/L	MW-28	06/22/2021	ND	4.0000		
Arsenic, total	ug/L	MW-28	12/02/2021	ND	4.0000		
Arsenic, total	ug/L	MW-28	06/08/2022	ND	4.0000		
Arsenic, total	ug/L	MW-28	11/22/2022	ND	4.0000		
Arsenic, total	ug/L	MW-28	06/06/2023	ND	4.0000		
Arsenic, total	ug/L	MW-28	12/04/2023	ND	4.0000		
Arsenic, total	ug/L	MW-28	06/06/2024	ND	4.0000		
Arsenic, total	ug/L	MW-28	12/04/2024		5.2000		
Arsenic, total	ug/L	MW-28	06/12/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-28	12/10/2014		143.0000		
Barium, total	ug/L	MW-28	03/04/2015		163.0000		
Barium, total	ug/L	MW-28	06/04/2015		176.0000		
Barium, total	ug/L	MW-28	09/01/2015		180.0000		
Barium, total	ug/L	MW-28	12/01/2015		167.0000		
Barium, total	ug/L	MW-28	06/27/2016		165.0000		
Barium, total	ug/L	MW-28	11/30/2016		190.0000		
Barium, total	ug/L	MW-28	06/22/2017		186.0000		
Barium, total	ug/L	MW-28	11/15/2017		166.0000		
Barium, total	ug/L	MW-28	06/18/2018		174.0000		
Barium, total	ug/L	MW-28	11/28/2018		270.0000		
Barium, total	ug/L	MW-28	06/12/2019		179.0000		
Barium, total	ug/L	MW-28	12/05/2019		160.0000		
Barium, total	ug/L	MW-28	06/17/2020		163.0000		
Barium, total	ug/L	MW-28	12/07/2020		159.0000		
Barium, total	ug/L	MW-28	06/22/2021		138.0000		
Barium, total	ug/L	MW-28	12/02/2021		136.0000		
Barium, total	ug/L	MW-28	06/08/2022		130.0000		
Barium, total	ug/L	MW-28	11/22/2022		140.0000		
Barium, total	ug/L	MW-28	06/06/2023		127.0000		
Barium, total	ug/L	MW-28	12/04/2023		109.0000		
Barium, total	ug/L	MW-28	06/06/2024		108.0000		
Barium, total	ug/L	MW-28	12/04/2024		140.0000		
Barium, total	ug/L	MW-28	06/12/2025		115.0000		
Beryllium, total	ug/L	MW-28	12/10/2014	ND	4.0000		
Beryllium, total	ug/L	MW-28	03/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-28	06/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-28	09/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-28	12/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-28	06/27/2016	ND	4.0000		
Beryllium, total	ug/L	MW-28	11/30/2016	ND	4.0000		
Beryllium, total	ug/L	MW-28	06/22/2017	ND	4.0000		
Beryllium, total	ug/L	MW-28	11/15/2017	ND	4.0000		
Beryllium, total	ug/L	MW-28	06/18/2018	ND	4.0000		
Beryllium, total	ug/L	MW-28	11/28/2018	ND	4.0000		
Beryllium, total	ug/L	MW-28	06/12/2019	ND	4.0000		
Beryllium, total	ug/L	MW-28	12/05/2019	ND	4.0000		
Beryllium, total	ug/L	MW-28	06/17/2020	ND	4.0000		
Beryllium, total	ug/L	MW-28	12/07/2020	ND	4.0000		
Beryllium, total	ug/L	MW-28	06/22/2021	ND	4.0000		
Beryllium, total	ug/L	MW-28	12/02/2021	ND	4.0000		
Beryllium, total	ug/L	MW-28	06/08/2022	ND	4.0000		
Beryllium, total	ug/L	MW-28	11/22/2022	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-28	06/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-28	12/04/2023	ND	4.0000		
Beryllium, total	ug/L	MW-28	06/06/2024	ND	4.0000		
Beryllium, total	ug/L	MW-28	12/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-28	06/12/2025	ND	0.5000	4.0000	**
Cadmium, total	ug/L	MW-28	12/10/2014	ND	0.8000		
Cadmium, total	ug/L	MW-28	03/04/2015		4.5000		*
Cadmium, total	ug/L	MW-28	06/04/2015		1.1000		
Cadmium, total	ug/L	MW-28	09/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-28	12/01/2015		3.4000		
Cadmium, total	ug/L	MW-28	06/27/2016		1.7000		
Cadmium, total	ug/L	MW-28	11/30/2016		1.0000		
Cadmium, total	ug/L	MW-28	06/22/2017	ND	0.8000		
Cadmium, total	ug/L	MW-28	11/15/2017		4.9000		*
Cadmium, total	ug/L	MW-28	06/18/2018	ND	0.8000		
Cadmium, total	ug/L	MW-28	11/28/2018	ND	0.8000		
Cadmium, total	ug/L	MW-28	06/12/2019	ND	0.8000		
Cadmium, total	ug/L	MW-28	12/05/2019	ND	0.8000		
Cadmium, total	ug/L	MW-28	06/17/2020	ND	0.8000		
Cadmium, total	ug/L	MW-28	12/07/2020	ND	0.8000		
Cadmium, total	ug/L	MW-28	06/22/2021	ND	0.8000		
Cadmium, total	ug/L	MW-28	12/02/2021	ND	0.8000		
Cadmium, total	ug/L	MW-28	06/08/2022	ND	0.8000		
Cadmium, total	ug/L	MW-28	11/22/2022	ND	0.8000		
Cadmium, total	ug/L	MW-28	06/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-28	12/04/2023	ND	0.8000		
Cadmium, total	ug/L	MW-28	06/06/2024	ND	0.8000		
Cadmium, total	ug/L	MW-28	12/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-28	06/12/2025		0.2000		
Chromium, total	ug/L	MW-28	12/10/2014	ND	8.0000		
Chromium, total	ug/L	MW-28	03/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-28	06/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-28	09/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-28	12/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-28	06/27/2016	ND	8.0000		
Chromium, total	ug/L	MW-28	11/30/2016	ND	8.0000		
Chromium, total	ug/L	MW-28	06/22/2017	ND	8.0000		
Chromium, total	ug/L	MW-28	11/15/2017	ND	8.0000		
Chromium, total	ug/L	MW-28	06/18/2018	ND	8.0000		
Chromium, total	ug/L	MW-28	11/28/2018	ND	8.0000		
Chromium, total	ug/L	MW-28	06/12/2019	ND	8.0000		
Chromium, total	ug/L	MW-28	12/05/2019	ND	8.0000		
Chromium, total	ug/L	MW-28	06/17/2020	ND	8.0000		
Chromium, total	ug/L	MW-28	12/07/2020	ND	8.0000		
Chromium, total	ug/L	MW-28	06/22/2021	ND	8.0000		
Chromium, total	ug/L	MW-28	12/02/2021	ND	8.0000		
Chromium, total	ug/L	MW-28	06/08/2022	ND	8.0000		
Chromium, total	ug/L	MW-28	11/22/2022	ND	8.0000		
Chromium, total	ug/L	MW-28	06/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-28	12/04/2023	ND	8.0000		
Chromium, total	ug/L	MW-28	06/06/2024	ND	8.0000		
Chromium, total	ug/L	MW-28	12/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-28	06/12/2025	ND	1.0000	8.0000	**
Cobalt, total	ug/L	MW-28	12/10/2014	ND	0.8000		
Cobalt, total	ug/L	MW-28	03/04/2015	ND	0.8000		
Cobalt, total	ug/L	MW-28	06/04/2015	ND	0.8000		
Cobalt, total	ug/L	MW-28	09/01/2015		4.3000		
Cobalt, total	ug/L	MW-28	12/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-28	06/27/2016	ND	0.8000		
Cobalt, total	ug/L	MW-28	11/30/2016	ND	0.8000		
Cobalt, total	ug/L	MW-28	06/22/2017		4.4000		
Cobalt, total	ug/L	MW-28	11/15/2017	ND	0.8000		
Cobalt, total	ug/L	MW-28	06/18/2018	ND	0.8000		
Cobalt, total	ug/L	MW-28	11/28/2018	ND	0.8000		
Cobalt, total	ug/L	MW-28	06/12/2019	ND	0.8000		
Cobalt, total	ug/L	MW-28	12/05/2019	ND	0.8000		
Cobalt, total	ug/L	MW-28	06/17/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-28	12/07/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-28	06/22/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-28	12/02/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-28	06/08/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-28	11/22/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-28	06/06/2023		1.1000		
Cobalt, total	ug/L	MW-28	12/04/2023	ND	0.4000	0.8000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, total	ug/L	MW-28	06/06/2024		0.4000		
Cobalt, total	ug/L	MW-28	12/04/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-28	06/12/2025	ND	0.5000	0.8000	**
Copper, total	ug/L	MW-28	12/10/2014	ND	4.0000		
Copper, total	ug/L	MW-28	03/04/2015		8.9000		
Copper, total	ug/L	MW-28	06/04/2015	ND	4.0000		
Copper, total	ug/L	MW-28	09/01/2015	ND	4.0000		
Copper, total	ug/L	MW-28	12/01/2015		4.6000		
Copper, total	ug/L	MW-28	06/27/2016		5.5000		
Copper, total	ug/L	MW-28	11/30/2016	ND	4.0000		
Copper, total	ug/L	MW-28	06/22/2017	ND	4.0000		
Copper, total	ug/L	MW-28	11/15/2017	ND	4.0000		
Copper, total	ug/L	MW-28	06/18/2018	ND	4.0000		
Copper, total	ug/L	MW-28	11/28/2018		5.0000		
Copper, total	ug/L	MW-28	06/12/2019	ND	4.0000		
Copper, total	ug/L	MW-28	12/05/2019	ND	4.0000		
Copper, total	ug/L	MW-28	06/17/2020	ND	4.0000		
Copper, total	ug/L	MW-28	12/07/2020	ND	4.0000		
Copper, total	ug/L	MW-28	06/22/2021	ND	4.0000		
Copper, total	ug/L	MW-28	12/02/2021	ND	4.0000		
Copper, total	ug/L	MW-28	06/08/2022	ND	4.0000		
Copper, total	ug/L	MW-28	11/22/2022	ND	4.0000		
Copper, total	ug/L	MW-28	06/06/2023	ND	4.0000		
Copper, total	ug/L	MW-28	12/04/2023	ND	4.0000		
Copper, total	ug/L	MW-28	06/06/2024	ND	4.0000		
Copper, total	ug/L	MW-28	12/04/2024	ND	4.0000		
Copper, total	ug/L	MW-28	06/12/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-28	12/10/2014	ND	4.0000		
Lead, total	ug/L	MW-28	03/04/2015	ND	4.0000		
Lead, total	ug/L	MW-28	06/04/2015	ND	4.0000		
Lead, total	ug/L	MW-28	09/01/2015	ND	4.0000		
Lead, total	ug/L	MW-28	12/01/2015	ND	4.0000		
Lead, total	ug/L	MW-28	06/27/2016	ND	4.0000		
Lead, total	ug/L	MW-28	11/30/2016	ND	4.0000		
Lead, total	ug/L	MW-28	06/22/2017	ND	4.0000		
Lead, total	ug/L	MW-28	11/15/2017	ND	4.0000		
Lead, total	ug/L	MW-28	06/18/2018	ND	4.0000		
Lead, total	ug/L	MW-28	11/28/2018	ND	4.0000		
Lead, total	ug/L	MW-28	06/12/2019	ND	4.0000		
Lead, total	ug/L	MW-28	12/05/2019	ND	4.0000		
Lead, total	ug/L	MW-28	06/17/2020	ND	4.0000		
Lead, total	ug/L	MW-28	12/07/2020	ND	4.0000		
Lead, total	ug/L	MW-28	06/22/2021	ND	4.0000		
Lead, total	ug/L	MW-28	12/02/2021	ND	4.0000		
Lead, total	ug/L	MW-28	06/08/2022	ND	4.0000		
Lead, total	ug/L	MW-28	11/22/2022	ND	4.0000		
Lead, total	ug/L	MW-28	06/06/2023	ND	4.0000		
Lead, total	ug/L	MW-28	12/04/2023	ND	4.0000		
Lead, total	ug/L	MW-28	06/06/2024	ND	4.0000		
Lead, total	ug/L	MW-28	12/04/2024	ND	4.0000		
Lead, total	ug/L	MW-28	06/12/2025	ND	1.0000	4.0000	**
Nickel, total	ug/L	MW-28	12/10/2014	ND	4.0000		
Nickel, total	ug/L	MW-28	03/04/2015	ND	4.0000		
Nickel, total	ug/L	MW-28	06/04/2015	ND	4.0000		
Nickel, total	ug/L	MW-28	09/01/2015		9.7000		
Nickel, total	ug/L	MW-28	12/01/2015	ND	4.0000		
Nickel, total	ug/L	MW-28	06/27/2016		4.1000		
Nickel, total	ug/L	MW-28	11/30/2016	ND	4.0000		
Nickel, total	ug/L	MW-28	06/22/2017		9.0000		
Nickel, total	ug/L	MW-28	11/15/2017	ND	4.0000		
Nickel, total	ug/L	MW-28	06/18/2018	ND	4.0000		
Nickel, total	ug/L	MW-28	11/28/2018		22.0000		*
Nickel, total	ug/L	MW-28	06/12/2019		4.9000		
Nickel, total	ug/L	MW-28	12/05/2019	ND	4.0000		
Nickel, total	ug/L	MW-28	06/17/2020		4.0000		
Nickel, total	ug/L	MW-28	12/07/2020	ND	4.0000		
Nickel, total	ug/L	MW-28	06/22/2021		4.9000		
Nickel, total	ug/L	MW-28	12/02/2021	ND	4.0000		
Nickel, total	ug/L	MW-28	06/08/2022	ND	4.0000		
Nickel, total	ug/L	MW-28	11/22/2022	ND	4.0000		
Nickel, total	ug/L	MW-28	06/06/2023	ND	4.0000		
Nickel, total	ug/L	MW-28	12/04/2023	ND	4.0000		
Nickel, total	ug/L	MW-28	06/06/2024	ND	4.0000		
Nickel, total	ug/L	MW-28	12/04/2024	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-28	06/12/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-28	12/10/2014	ND	4.0000		
Selenium, total	ug/L	MW-28	03/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-28	06/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-28	09/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-28	12/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-28	06/27/2016	ND	4.0000		
Selenium, total	ug/L	MW-28	11/30/2016	ND	4.0000		
Selenium, total	ug/L	MW-28	06/22/2017	ND	4.0000		
Selenium, total	ug/L	MW-28	11/15/2017	ND	4.0000		
Selenium, total	ug/L	MW-28	06/18/2018	ND	8.0000	4.0000	**
Selenium, total	ug/L	MW-28	11/28/2018	ND	4.0000		
Selenium, total	ug/L	MW-28	06/12/2019	ND	4.0000		
Selenium, total	ug/L	MW-28	12/05/2019	ND	4.0000		
Selenium, total	ug/L	MW-28	06/17/2020	ND	4.0000		
Selenium, total	ug/L	MW-28	12/07/2020	ND	4.0000		
Selenium, total	ug/L	MW-28	06/22/2021	ND	4.0000		
Selenium, total	ug/L	MW-28	12/02/2021	ND	4.0000		
Selenium, total	ug/L	MW-28	06/08/2022	ND	4.0000		
Selenium, total	ug/L	MW-28	11/22/2022	ND	4.0000		
Selenium, total	ug/L	MW-28	06/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-28	12/04/2023	ND	4.0000		
Selenium, total	ug/L	MW-28	06/06/2024	ND	4.0000		
Selenium, total	ug/L	MW-28	12/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-28	06/12/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-28	12/10/2014	ND	4.0000		
Silver, total	ug/L	MW-28	03/04/2015	ND	4.0000		
Silver, total	ug/L	MW-28	06/04/2015	ND	4.0000		
Silver, total	ug/L	MW-28	09/01/2015	ND	4.0000		
Silver, total	ug/L	MW-28	12/01/2015	ND	4.0000		
Silver, total	ug/L	MW-28	06/27/2016	ND	4.0000		
Silver, total	ug/L	MW-28	11/30/2016	ND	4.0000		
Silver, total	ug/L	MW-28	06/22/2017	ND	4.0000		
Silver, total	ug/L	MW-28	11/15/2017	ND	4.0000		
Silver, total	ug/L	MW-28	06/18/2018	ND	4.0000		
Silver, total	ug/L	MW-28	11/28/2018	ND	4.0000		
Silver, total	ug/L	MW-28	06/12/2019	ND	8.0000	4.0000	**
Silver, total	ug/L	MW-28	12/05/2019	ND	4.0000		
Silver, total	ug/L	MW-28	06/17/2020	ND	4.0000		
Silver, total	ug/L	MW-28	12/07/2020	ND	4.0000		
Silver, total	ug/L	MW-28	06/22/2021	ND	4.0000		
Silver, total	ug/L	MW-28	12/02/2021	ND	4.0000		
Silver, total	ug/L	MW-28	06/08/2022	ND	4.0000		
Silver, total	ug/L	MW-28	11/22/2022	ND	4.0000		
Silver, total	ug/L	MW-28	06/06/2023	ND	4.0000		
Silver, total	ug/L	MW-28	12/04/2023	ND	4.0000		
Silver, total	ug/L	MW-28	06/06/2024	ND	4.0000		
Silver, total	ug/L	MW-28	12/04/2024	ND	4.0000		
Silver, total	ug/L	MW-28	06/12/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-28	12/10/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	03/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	06/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	09/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	12/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	06/27/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	11/30/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	06/22/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	11/15/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	06/18/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	11/28/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	06/12/2019	ND	2.0000		
Thallium, total	ug/L	MW-28	12/05/2019	ND	2.0000		
Thallium, total	ug/L	MW-28	06/17/2020	ND	2.0000		
Thallium, total	ug/L	MW-28	12/07/2020	ND	2.0000		
Thallium, total	ug/L	MW-28	06/22/2021	ND	2.0000		
Thallium, total	ug/L	MW-28	12/02/2021	ND	2.0000		
Thallium, total	ug/L	MW-28	06/08/2022	ND	2.0000		
Thallium, total	ug/L	MW-28	11/22/2022	ND	2.0000		
Thallium, total	ug/L	MW-28	06/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-28	12/04/2023	ND	2.0000		
Thallium, total	ug/L	MW-28	06/06/2024	ND	2.0000		
Thallium, total	ug/L	MW-28	12/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-28	06/12/2025	ND	0.5000	2.0000	**
Vanadium, total	ug/L	MW-28	12/10/2014	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Vanadium, total	ug/L	MW-28	03/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-28	06/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-28	09/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-28	12/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-28	06/27/2016	ND	20.0000		
Vanadium, total	ug/L	MW-28	11/30/2016	ND	20.0000		
Vanadium, total	ug/L	MW-28	06/22/2017	ND	20.0000		
Vanadium, total	ug/L	MW-28	11/15/2017	ND	20.0000		
Vanadium, total	ug/L	MW-28	06/18/2018	ND	20.0000		
Vanadium, total	ug/L	MW-28	11/28/2018	ND	20.0000		
Vanadium, total	ug/L	MW-28	06/12/2019	ND	20.0000		
Vanadium, total	ug/L	MW-28	12/05/2019	ND	20.0000		
Vanadium, total	ug/L	MW-28	06/17/2020	ND	20.0000		
Vanadium, total	ug/L	MW-28	12/07/2020	ND	20.0000		
Vanadium, total	ug/L	MW-28	06/22/2021	ND	20.0000		
Vanadium, total	ug/L	MW-28	12/02/2021	ND	20.0000		
Vanadium, total	ug/L	MW-28	06/08/2022	ND	20.0000		
Vanadium, total	ug/L	MW-28	11/22/2022	ND	20.0000		
Vanadium, total	ug/L	MW-28	06/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-28	12/04/2023	ND	20.0000		
Vanadium, total	ug/L	MW-28	06/06/2024	ND	20.0000		
Vanadium, total	ug/L	MW-28	12/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-28	06/12/2025	ND	2.0000	20.0000	**
Zinc, total	ug/L	MW-28	12/10/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-28	03/04/2015		8.6000		
Zinc, total	ug/L	MW-28	06/04/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-28	09/01/2015		10.0000		
Zinc, total	ug/L	MW-28	12/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-28	06/27/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-28	11/30/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-28	06/22/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-28	11/15/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-28	06/18/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-28	11/28/2018	ND	20.0000		
Zinc, total	ug/L	MW-28	06/12/2019	ND	20.0000		
Zinc, total	ug/L	MW-28	12/05/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-28	06/17/2020	ND	20.0000		
Zinc, total	ug/L	MW-28	12/07/2020	ND	20.0000		
Zinc, total	ug/L	MW-28	06/22/2021	ND	20.0000		
Zinc, total	ug/L	MW-28	12/02/2021	ND	20.0000		
Zinc, total	ug/L	MW-28	06/08/2022	ND	20.0000		
Zinc, total	ug/L	MW-28	11/22/2022	ND	20.0000		
Zinc, total	ug/L	MW-28	06/06/2023	ND	20.0000		
Zinc, total	ug/L	MW-28	12/04/2023	ND	20.0000		
Zinc, total	ug/L	MW-28	06/06/2024	ND	20.0000		
Zinc, total	ug/L	MW-28	12/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-28	06/12/2025		11.5000		
Antimony, total	ug/L	MW-29	12/10/2014	ND	2.0000		
Antimony, total	ug/L	MW-29	03/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-29	06/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-29	09/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-29	12/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-29	06/27/2016	ND	2.0000		
Antimony, total	ug/L	MW-29	11/30/2016	ND	2.0000		
Antimony, total	ug/L	MW-29	06/22/2017	ND	2.0000		
Antimony, total	ug/L	MW-29	11/28/2018	ND	2.0000		
Antimony, total	ug/L	MW-29	06/12/2019	ND	2.0000		
Antimony, total	ug/L	MW-29	12/05/2019	ND	2.0000		
Arsenic, total	ug/L	MW-29	12/10/2014	ND	4.0000		
Arsenic, total	ug/L	MW-29	03/04/2015	ND	4.0000		
Arsenic, total	ug/L	MW-29	06/04/2015	ND	4.0000		
Arsenic, total	ug/L	MW-29	09/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-29	12/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-29	06/27/2016	ND	4.0000		
Arsenic, total	ug/L	MW-29	11/30/2016	ND	4.0000		
Arsenic, total	ug/L	MW-29	06/22/2017	ND	4.0000		
Arsenic, total	ug/L	MW-29	11/28/2018	ND	4.0000		
Arsenic, total	ug/L	MW-29	06/12/2019	ND	4.0000		
Arsenic, total	ug/L	MW-29	12/05/2019	ND	4.0000		
Barium, total	ug/L	MW-29	12/10/2014		223.0000		
Barium, total	ug/L	MW-29	03/04/2015		268.0000		
Barium, total	ug/L	MW-29	06/04/2015		224.0000		
Barium, total	ug/L	MW-29	09/01/2015		200.0000		
Barium, total	ug/L	MW-29	12/01/2015		240.0000		

* - 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-29	06/27/2016		199.0000		
Barium, total	ug/L	MW-29	11/30/2016		199.0000		
Barium, total	ug/L	MW-29	06/22/2017		203.0000		
Barium, total	ug/L	MW-29	11/28/2018		413.0000		
Barium, total	ug/L	MW-29	06/12/2019		213.0000		
Barium, total	ug/L	MW-29	12/05/2019		233.0000		
Beryllium, total	ug/L	MW-29	12/10/2014	ND	4.0000		
Beryllium, total	ug/L	MW-29	03/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-29	06/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-29	09/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-29	12/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-29	06/27/2016	ND	4.0000		
Beryllium, total	ug/L	MW-29	11/30/2016	ND	4.0000		
Beryllium, total	ug/L	MW-29	06/22/2017	ND	4.0000		
Beryllium, total	ug/L	MW-29	11/28/2018	ND	4.0000		
Beryllium, total	ug/L	MW-29	06/12/2019	ND	4.0000		
Beryllium, total	ug/L	MW-29	12/05/2019	ND	4.0000		
Cadmium, total	ug/L	MW-29	12/10/2014		1.0000		
Cadmium, total	ug/L	MW-29	03/04/2015		1.0000		
Cadmium, total	ug/L	MW-29	06/04/2015	ND	0.8000		
Cadmium, total	ug/L	MW-29	09/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-29	12/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-29	06/27/2016	ND	0.8000		
Cadmium, total	ug/L	MW-29	11/30/2016		1.5000		
Cadmium, total	ug/L	MW-29	06/22/2017	ND	0.8000		
Cadmium, total	ug/L	MW-29	11/28/2018	ND	0.8000		
Cadmium, total	ug/L	MW-29	06/12/2019	ND	0.8000		
Cadmium, total	ug/L	MW-29	12/05/2019	ND	0.8000		
Chromium, total	ug/L	MW-29	12/10/2014	ND	8.0000		
Chromium, total	ug/L	MW-29	03/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-29	06/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-29	09/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-29	12/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-29	06/27/2016	ND	8.0000		
Chromium, total	ug/L	MW-29	11/30/2016	ND	8.0000		
Chromium, total	ug/L	MW-29	06/22/2017	ND	8.0000		
Chromium, total	ug/L	MW-29	11/28/2018	ND	8.0000		
Chromium, total	ug/L	MW-29	06/12/2019	ND	8.0000		
Chromium, total	ug/L	MW-29	12/05/2019	ND	8.0000		
Cobalt, total	ug/L	MW-29	12/10/2014		1.2000		
Cobalt, total	ug/L	MW-29	03/04/2015		4.8000		*
Cobalt, total	ug/L	MW-29	06/04/2015	ND	0.8000		
Cobalt, total	ug/L	MW-29	09/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-29	12/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-29	06/27/2016	ND	0.8000		
Cobalt, total	ug/L	MW-29	11/30/2016	ND	0.8000		
Cobalt, total	ug/L	MW-29	06/22/2017	ND	0.8000		
Cobalt, total	ug/L	MW-29	11/28/2018	ND	0.8000		
Cobalt, total	ug/L	MW-29	06/12/2019	ND	0.8000		
Cobalt, total	ug/L	MW-29	12/05/2019		1.2000		
Copper, total	ug/L	MW-29	12/10/2014		9.6000		
Copper, total	ug/L	MW-29	03/04/2015		12.9000		
Copper, total	ug/L	MW-29	06/04/2015	ND	4.0000		
Copper, total	ug/L	MW-29	09/01/2015	ND	4.0000		
Copper, total	ug/L	MW-29	12/01/2015	ND	4.0000		
Copper, total	ug/L	MW-29	06/27/2016	ND	4.0000		
Copper, total	ug/L	MW-29	11/30/2016	ND	4.0000		
Copper, total	ug/L	MW-29	06/22/2017	ND	4.0000		
Copper, total	ug/L	MW-29	11/28/2018	ND	4.0000		
Copper, total	ug/L	MW-29	06/12/2019	ND	4.0000		
Copper, total	ug/L	MW-29	12/05/2019	ND	4.0000		
Lead, total	ug/L	MW-29	12/10/2014	ND	4.0000		
Lead, total	ug/L	MW-29	03/04/2015	ND	4.0000		
Lead, total	ug/L	MW-29	06/04/2015	ND	4.0000		
Lead, total	ug/L	MW-29	09/01/2015	ND	4.0000		
Lead, total	ug/L	MW-29	12/01/2015	ND	4.0000		
Lead, total	ug/L	MW-29	06/27/2016	ND	4.0000		
Lead, total	ug/L	MW-29	11/30/2016	ND	4.0000		
Lead, total	ug/L	MW-29	06/22/2017	ND	4.0000		
Lead, total	ug/L	MW-29	11/28/2018	ND	4.0000		
Lead, total	ug/L	MW-29	06/12/2019	ND	4.0000		
Lead, total	ug/L	MW-29	12/05/2019	ND	4.0000		
Nickel, total	ug/L	MW-29	12/10/2014		11.9000		
Nickel, total	ug/L	MW-29	03/04/2015		19.2000		

* - 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	
Nickel, total	ug/L	MW-29	06/04/2015	ND	4.0000		
Nickel, total	ug/L	MW-29	09/01/2015	ND	4.0000		
Nickel, total	ug/L	MW-29	12/01/2015		4.4000		
Nickel, total	ug/L	MW-29	06/27/2016	ND	4.0000		
Nickel, total	ug/L	MW-29	11/30/2016	ND	4.0000		
Nickel, total	ug/L	MW-29	06/22/2017	ND	4.0000		
Nickel, total	ug/L	MW-29	11/28/2018		9.5000		
Nickel, total	ug/L	MW-29	06/12/2019	ND	4.0000		
Nickel, total	ug/L	MW-29	12/05/2019		8.8000		
Selenium, total	ug/L	MW-29	12/10/2014	ND	4.0000		
Selenium, total	ug/L	MW-29	03/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-29	06/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-29	09/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-29	12/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-29	06/27/2016	ND	4.0000		
Selenium, total	ug/L	MW-29	11/30/2016	ND	4.0000		
Selenium, total	ug/L	MW-29	06/22/2017	ND	4.0000		
Selenium, total	ug/L	MW-29	11/28/2018		4.8000		
Selenium, total	ug/L	MW-29	06/12/2019	ND	4.0000		
Selenium, total	ug/L	MW-29	12/05/2019	ND	4.0000		
Silver, total	ug/L	MW-29	12/10/2014	ND	4.0000		
Silver, total	ug/L	MW-29	03/04/2015	ND	4.0000		
Silver, total	ug/L	MW-29	06/04/2015	ND	4.0000		
Silver, total	ug/L	MW-29	09/01/2015	ND	4.0000		
Silver, total	ug/L	MW-29	12/01/2015	ND	4.0000		
Silver, total	ug/L	MW-29	06/27/2016	ND	4.0000		
Silver, total	ug/L	MW-29	11/30/2016	ND	4.0000		
Silver, total	ug/L	MW-29	06/22/2017	ND	4.0000		
Silver, total	ug/L	MW-29	11/28/2018	ND	4.0000		
Silver, total	ug/L	MW-29	06/12/2019	ND	8.0000	4.0000	**
Silver, total	ug/L	MW-29	12/05/2019	ND	4.0000		
Thallium, total	ug/L	MW-29	12/10/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-29	03/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-29	06/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-29	09/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-29	12/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-29	06/27/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-29	11/30/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-29	06/22/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-29	11/28/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-29	06/12/2019	ND	2.0000		
Thallium, total	ug/L	MW-29	12/05/2019	ND	2.0000		
Vanadium, total	ug/L	MW-29	12/10/2014	ND	20.0000		
Vanadium, total	ug/L	MW-29	03/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-29	06/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-29	09/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-29	12/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-29	06/27/2016	ND	20.0000		
Vanadium, total	ug/L	MW-29	11/30/2016	ND	20.0000		
Vanadium, total	ug/L	MW-29	06/22/2017	ND	20.0000		
Vanadium, total	ug/L	MW-29	11/28/2018	ND	20.0000		
Vanadium, total	ug/L	MW-29	06/12/2019	ND	20.0000		
Vanadium, total	ug/L	MW-29	12/05/2019	ND	20.0000		
Zinc, total	ug/L	MW-29	12/10/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-29	03/04/2015		12.0000		
Zinc, total	ug/L	MW-29	06/04/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-29	09/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-29	12/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-29	06/27/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-29	11/30/2016		8.0000		
Zinc, total	ug/L	MW-29	06/22/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-29	11/28/2018	ND	20.0000		
Zinc, total	ug/L	MW-29	06/12/2019	ND	20.0000		
Zinc, total	ug/L	MW-29	12/05/2019	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 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result	Pred. Limit
Antimony, total	ug/L	GU-6	06/12/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	GU-6	06/12/2025	ND	2.0000	12.6000
Barium, total	ug/L	GU-6	06/12/2025		80.3000	960.0000
Beryllium, total	ug/L	GU-6	06/12/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	GU-6	06/12/2025	ND	0.2000	3.4000
Chromium, total	ug/L	GU-6	06/12/2025	ND	1.0000	8.0000
Cobalt, total	ug/L	GU-6	06/12/2025		1.9000	10.7000
Copper, total	ug/L	GU-6	06/12/2025	ND	5.0000	14.3000
Lead, total	ug/L	GU-6	06/12/2025	ND	1.0000	4.0000
Nickel, total	ug/L	GU-6	06/12/2025		12.9000	31.8000
Selenium, total	ug/L	GU-6	06/12/2025	ND	2.0000	4.8000
Silver, total	ug/L	GU-6	06/12/2025	ND	5.0000	4.0000
Thallium, total	ug/L	GU-6	06/12/2025	ND	0.5000	2.0000
Vanadium, total	ug/L	GU-6	06/12/2025	ND	2.0000	20.0000
Zinc, total	ug/L	GU-6	06/12/2025		9.6000	71.9000
Antimony, total	ug/L	MW-15	06/12/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-15	06/12/2025		5.4000	12.6000
Barium, total	ug/L	MW-15	06/12/2025		43.4000	960.0000
Beryllium, total	ug/L	MW-15	06/12/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-15	06/12/2025		1.1000	3.4000
Chromium, total	ug/L	MW-15	06/12/2025	ND	1.0000	8.0000
Cobalt, total	ug/L	MW-15	06/12/2025		59.2000	10.7000
Copper, total	ug/L	MW-15	06/12/2025	ND	5.0000	14.3000
Lead, total	ug/L	MW-15	06/12/2025	ND	1.0000	4.0000
Nickel, total	ug/L	MW-15	06/12/2025		13.6000	31.8000
Selenium, total	ug/L	MW-15	06/12/2025	ND	2.0000	4.8000
Silver, total	ug/L	MW-15	06/12/2025	ND	5.0000	4.0000
Thallium, total	ug/L	MW-15	06/12/2025	ND	0.5000	2.0000
Vanadium, total	ug/L	MW-15	06/12/2025	ND	2.0000	20.0000
Zinc, total	ug/L	MW-15	06/12/2025		17.4000	71.9000
Antimony, total	ug/L	MW-16	06/12/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-16	06/12/2025	ND	2.0000	12.6000
Barium, total	ug/L	MW-16	06/12/2025		34.4000	960.0000
Beryllium, total	ug/L	MW-16	06/12/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-16	06/12/2025		1.0000	3.4000
Chromium, total	ug/L	MW-16	06/12/2025	ND	1.0000	8.0000
Cobalt, total	ug/L	MW-16	06/12/2025	ND	0.5000	10.7000
Copper, total	ug/L	MW-16	06/12/2025	ND	5.0000	14.3000
Lead, total	ug/L	MW-16	06/12/2025	ND	1.0000	4.0000
Nickel, total	ug/L	MW-16	06/12/2025		6.6000	31.8000
Selenium, total	ug/L	MW-16	06/12/2025	ND	2.0000	4.8000
Silver, total	ug/L	MW-16	06/12/2025	ND	5.0000	4.0000
Thallium, total	ug/L	MW-16	06/12/2025	ND	0.5000	2.0000
Vanadium, total	ug/L	MW-16	06/12/2025	ND	2.0000	20.0000
Zinc, total	ug/L	MW-16	06/12/2025		16.5000	71.9000
Antimony, total	ug/L	MW-18	06/12/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-18	06/12/2025	ND	2.0000	12.6000
Barium, total	ug/L	MW-18	06/12/2025		270.0000	960.0000
Beryllium, total	ug/L	MW-18	06/12/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-18	06/12/2025	ND	0.2000	3.4000
Chromium, total	ug/L	MW-18	06/12/2025	ND	1.0000	8.0000
Cobalt, total	ug/L	MW-18	06/12/2025	ND	0.5000	10.7000
Copper, total	ug/L	MW-18	06/12/2025	ND	5.0000	14.3000
Lead, total	ug/L	MW-18	06/12/2025	ND	1.0000	4.0000
Nickel, total	ug/L	MW-18	06/12/2025	ND	5.0000	31.8000
Selenium, total	ug/L	MW-18	06/12/2025	ND	2.0000	4.8000
Silver, total	ug/L	MW-18	06/12/2025	ND	5.0000	4.0000
Thallium, total	ug/L	MW-18	06/12/2025	ND	0.5000	2.0000
Vanadium, total	ug/L	MW-18	06/12/2025	ND	2.0000	20.0000
Zinc, total	ug/L	MW-18	06/12/2025	ND	5.0000	71.9000
Antimony, total	ug/L	MW-23	06/12/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-23	06/12/2025		15.0000	12.6000
Barium, total	ug/L	MW-23	06/12/2025		204.0000	960.0000
Beryllium, total	ug/L	MW-23	06/12/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-23	06/12/2025		0.3000	3.4000
Chromium, total	ug/L	MW-23	06/12/2025	ND	1.0000	8.0000
Cobalt, total	ug/L	MW-23	06/12/2025		1.5000	10.7000
Copper, total	ug/L	MW-23	06/12/2025	ND	5.0000	14.3000
Lead, total	ug/L	MW-23	06/12/2025	ND	1.0000	4.0000
Nickel, total	ug/L	MW-23	06/12/2025		19.6000	31.8000
Selenium, total	ug/L	MW-23	06/12/2025	ND	2.0000	4.8000
Silver, total	ug/L	MW-23	06/12/2025	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-23	06/12/2025	ND	0.5000	2.0000
Vanadium, total	ug/L	MW-23	06/12/2025		2.0000	20.0000
Zinc, total	ug/L	MW-23	06/12/2025	ND	5.0000	71.9000
Antimony, total	ug/L	MW-30	06/12/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-30	06/12/2025	ND	2.0000	12.6000
Barium, total	ug/L	MW-30	06/12/2025		25.6000	960.0000
Beryllium, total	ug/L	MW-30	06/12/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-30	06/12/2025		5.8000	3.4000
Chromium, total	ug/L	MW-30	06/12/2025	ND	1.0000	8.0000
Cobalt, total	ug/L	MW-30	06/12/2025	ND	0.5000	10.7000
Copper, total	ug/L	MW-30	06/12/2025	ND	5.0000	14.3000
Lead, total	ug/L	MW-30	06/12/2025	ND	1.0000	4.0000
Nickel, total	ug/L	MW-30	06/12/2025	ND	5.0000	31.8000
Selenium, total	ug/L	MW-30	06/12/2025	ND	2.0000	4.8000
Silver, total	ug/L	MW-30	06/12/2025	ND	5.0000	4.0000
Thallium, total	ug/L	MW-30	06/12/2025	ND	0.5000	2.0000
Vanadium, total	ug/L	MW-30	06/12/2025	ND	2.0000	20.0000
Zinc, total	ug/L	MW-30	06/12/2025		11.0000	71.9000
Antimony, total	ug/L	MW-40	06/12/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-40	06/12/2025	ND	2.0000	12.6000
Barium, total	ug/L	MW-40	06/12/2025		35.7000	960.0000
Beryllium, total	ug/L	MW-40	06/12/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-40	06/12/2025		0.5000	3.4000
Chromium, total	ug/L	MW-40	06/12/2025	ND	1.0000	8.0000
Cobalt, total	ug/L	MW-40	06/12/2025		0.9000	10.7000
Copper, total	ug/L	MW-40	06/12/2025	ND	5.0000	14.3000
Lead, total	ug/L	MW-40	06/12/2025	ND	1.0000	4.0000
Nickel, total	ug/L	MW-40	06/12/2025		5.9000	31.8000
Selenium, total	ug/L	MW-40	06/12/2025		2.0000	4.8000
Silver, total	ug/L	MW-40	06/12/2025	ND	5.0000	4.0000
Thallium, total	ug/L	MW-40	06/12/2025	ND	0.5000	2.0000
Vanadium, total	ug/L	MW-40	06/12/2025	ND	2.0000	20.0000
Zinc, total	ug/L	MW-40	06/12/2025		23.6000	71.9000
Antimony, total	ug/L	MW-41	06/12/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-41	06/12/2025	ND	2.0000	12.6000
Barium, total	ug/L	MW-41	06/12/2025		57.7000	960.0000
Beryllium, total	ug/L	MW-41	06/12/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-41	06/12/2025		0.5000	3.4000
Chromium, total	ug/L	MW-41	06/12/2025		7.0000	8.0000
Cobalt, total	ug/L	MW-41	06/12/2025	ND	0.5000	10.7000
Copper, total	ug/L	MW-41	06/12/2025	ND	5.0000	14.3000
Lead, total	ug/L	MW-41	06/12/2025	ND	1.0000	4.0000
Nickel, total	ug/L	MW-41	06/12/2025	ND	5.0000	31.8000
Selenium, total	ug/L	MW-41	06/12/2025	ND	2.0000	4.8000
Silver, total	ug/L	MW-41	06/12/2025	ND	5.0000	4.0000
Thallium, total	ug/L	MW-41	06/12/2025	ND	0.5000	2.0000
Vanadium, total	ug/L	MW-41	06/12/2025	ND	2.0000	20.0000
Zinc, total	ug/L	MW-41	06/12/2025		12.0000	71.9000
Antimony, total	ug/L	MW-42	06/12/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-42	06/12/2025	ND	2.0000	12.6000
Barium, total	ug/L	MW-42	06/12/2025		449.0000	960.0000
Beryllium, total	ug/L	MW-42	06/12/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-42	06/12/2025		0.3000	3.4000
Chromium, total	ug/L	MW-42	06/12/2025	ND	1.0000	8.0000
Cobalt, total	ug/L	MW-42	06/12/2025		2.7000	10.7000
Copper, total	ug/L	MW-42	06/12/2025	ND	5.0000	14.3000
Lead, total	ug/L	MW-42	06/12/2025	ND	1.0000	4.0000
Nickel, total	ug/L	MW-42	06/12/2025		11.4000	31.8000
Selenium, total	ug/L	MW-42	06/12/2025	ND	2.0000	4.8000
Silver, total	ug/L	MW-42	06/12/2025	ND	5.0000	4.0000
Thallium, total	ug/L	MW-42	06/12/2025	ND	0.5000	2.0000
Vanadium, total	ug/L	MW-42	06/12/2025	ND	2.0000	20.0000
Zinc, total	ug/L	MW-42	06/12/2025		11.8000	71.9000
Antimony, total	ug/L	MW-43	06/12/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-43	06/12/2025	ND	2.0000	12.6000
Barium, total	ug/L	MW-43	06/12/2025		13.7000	960.0000
Beryllium, total	ug/L	MW-43	06/12/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-43	06/12/2025	ND	0.2000	3.4000
Chromium, total	ug/L	MW-43	06/12/2025	ND	1.0000	8.0000
Cobalt, total	ug/L	MW-43	06/12/2025		3.2000	10.7000
Copper, total	ug/L	MW-43	06/12/2025	ND	5.0000	14.3000
Lead, total	ug/L	MW-43	06/12/2025	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-43	06/12/2025		14.7000	31.8000
Selenium, total	ug/L	MW-43	06/12/2025	ND	2.0000	4.8000
Silver, total	ug/L	MW-43	06/12/2025	ND	5.0000	4.0000
Thallium, total	ug/L	MW-43	06/12/2025	ND	0.5000	2.0000
Vanadium, total	ug/L	MW-43	06/12/2025	ND	2.0000	20.0000
Zinc, total	ug/L	MW-43	06/12/2025		5.4000	71.9000

* - Current value failed - awaiting verification.

** - Current value passed - previous exceedance not verified.

*** - Current value failed - exceedance verified.

**** - Current value passed - awaiting one more verification.

***** - Insufficient background data to compute prediction limit.

ND = Not Detected, Result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Antimony, total	0	98	0.000	0	177	0.000
Arsenic, total	17	97	0.175	51	181	0.282
Barium, total	98	98	1.000	177	177	1.000
Beryllium, total	0	98	0.000	0	177	0.000
Cadmium, total	22	95	0.232	30	177	0.169
Chromium, total	3	98	0.031	15	179	0.084
Cobalt, total	37	96	0.385	88	179	0.492
Copper, total	15	98	0.153	18	177	0.102
Lead, total	0	98	0.000	2	177	0.011
Nickel, total	47	97	0.485	106	179	0.592
Selenium, total	1	98	0.010	2	177	0.011
Silver, total	0	98	0.000	0	177	0.000
Thallium, total	0	98	0.000	0	177	0.000
Vanadium, total	2	98	0.020	3	177	0.017
Zinc, total	21	98	0.214	32	179	0.179

N = Total number of measurements in all wells.

Detect = Total number of detections in all wells.

Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub	Crit Value	Dist Form	Model Type
Antimony, total	0	98	0.000									nonpar
Arsenic, total	17	97	0.175	1.895	0.790					2.326	normal	nonpar
Barium, total	98	98	1.000	6.570	4.001					2.326	non-norm	nonpar
Beryllium, total	0	98	0.000									nonpar
Cadmium, total	22	95	0.232	0.044	0.578					2.326	normal	nonpar
Chromium, total	3	98	0.031									nonpar
Cobalt, total	37	96	0.385	3.330	0.549					2.326	lognor	nonpar
Copper, total	15	98	0.153	0.628	0.883					2.326	normal	nonpar
Lead, total	0	98	0.000									nonpar
Nickel, total	47	97	0.485	3.439	2.095					2.326	lognor	nonpar
Selenium, total	1	98	0.010									nonpar
Silver, total	0	98	0.000									nonpar
Thallium, total	0	98	0.000									nonpar
Vanadium, total	2	98	0.020									nonpar
Zinc, total	21	98	0.214	0.825	0.544					2.326	normal	nonpar

* - Distribution override for that constituent.

Fit to distribution is confirmed if G <= critical value.

Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Antimony, total	ug/L	0	98					2.0000	nonpar	***	0.99
Arsenic, total	ug/L	17	97					12.6000	nonpar		0.99
Barium, total	ug/L	98	98					960.0000	nonpar		0.99
Beryllium, total	ug/L	0	98					4.0000	nonpar	***	0.99
Cadmium, total	ug/L	22	95					3.4000	nonpar		0.99
Chromium, total	ug/L	3	98					8.0000	nonpar	***	0.99
Cobalt, total	ug/L	37	96					10.7000	nonpar		0.99
Copper, total	ug/L	15	98					14.3000	nonpar		0.99
Lead, total	ug/L	0	98					4.0000	nonpar	***	0.99
Nickel, total	ug/L	47	97					31.8000	nonpar		0.99
Selenium, total	ug/L	1	98					4.8000	nonpar		0.99
Silver, total	ug/L	0	98					4.0000	nonpar	***	0.99
Thallium, total	ug/L	0	98					2.0000	nonpar	***	0.99
Vanadium, total	ug/L	2	98					20.0000	nonpar	***	0.99
Zinc, total	ug/L	21	98					71.9000	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
Arsenic, total	ug/L	MW-11	06/06/2024	34.4000		12/10/2014-06/12/2025	24	0.4969
Cadmium, total	ug/L	MW-11	06/12/2025	0.2000		12/10/2014-06/12/2025	24	0.4969
Cobalt, total	ug/L	MW-11	06/06/2024	29.8000		12/10/2014-06/12/2025	24	0.4969
Cadmium, total	ug/L	MW-28	03/04/2015	4.5000		12/10/2014-06/12/2025	24	0.5065
Cadmium, total	ug/L	MW-28	11/15/2017	4.9000		12/10/2014-06/12/2025	24	0.5065
Nickel, total	ug/L	MW-28	11/28/2018	22.0000		12/10/2014-06/12/2025	24	0.4969
Cobalt, total	ug/L	MW-29	03/04/2015	4.8000		12/10/2014-12/05/2019	11	0.6736

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

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

Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Cobalt, total	ug/L	MW-15	12/03/2008	ND	4.0000	10.7000
Cobalt, total	ug/L	MW-15	12/06/2011	ND	4.0000	10.7000
Cobalt, total	ug/L	MW-15	06/21/2012	ND	4.0000	10.7000
Cobalt, total	ug/L	MW-15	12/04/2012	ND	4.0000	10.7000
Cobalt, total	ug/L	MW-15	06/03/2013	ND	4.0000	10.7000
Cobalt, total	ug/L	MW-15	12/12/2013		5.1000	10.7000
Cobalt, total	ug/L	MW-15	06/25/2014		5.6000	10.7000
Cobalt, total	ug/L	MW-15	12/10/2014		1.2000	10.7000
Cobalt, total	ug/L	MW-15	06/04/2015	ND	0.8000	10.7000
Cobalt, total	ug/L	MW-15	12/01/2015	ND	0.8000	10.7000
Cobalt, total	ug/L	MW-15	06/27/2016		1.4000	10.7000
Cobalt, total	ug/L	MW-15	11/30/2016	ND	0.8000	10.7000
Cobalt, total	ug/L	MW-15	06/22/2017		1.3000	10.7000
Cobalt, total	ug/L	MW-15	11/15/2017		3.3000	10.7000
Cobalt, total	ug/L	MW-15	06/18/2018	ND	0.8000	10.7000
Cobalt, total	ug/L	MW-15	11/28/2018	ND	0.8000	10.7000
Cobalt, total	ug/L	MW-15	06/12/2019		2.1000	10.7000
Cobalt, total	ug/L	MW-15	12/05/2019	ND	0.8000	10.7000
Cobalt, total	ug/L	MW-15	06/17/2020		0.5000	10.7000
Cobalt, total	ug/L	MW-15	12/07/2020	ND	0.4000	10.7000
Cobalt, total	ug/L	MW-15	06/22/2021		1.2000	10.7000
Cobalt, total	ug/L	MW-15	12/02/2021		2.1000	10.7000
Cobalt, total	ug/L	MW-15	06/08/2022		1.3000	10.7000
Cobalt, total	ug/L	MW-15	11/22/2022		2.5000	10.7000
Cobalt, total	ug/L	MW-15	06/06/2023		51.8000 *	10.7000
Cobalt, total	ug/L	MW-15	08/07/2023		5.5000	10.7000
Cobalt, total	ug/L	MW-15	12/04/2023		4.9000	10.7000
Cobalt, total	ug/L	MW-15	06/06/2024		23.8000 *	10.7000
Cobalt, total	ug/L	MW-15	08/11/2024		10.8000 *	10.7000
Cobalt, total	ug/L	MW-15	12/04/2024		2.5000	10.7000
Cobalt, total	ug/L	MW-15	06/12/2025		59.2000 *	10.7000
Arsenic, total	ug/L	MW-23	12/06/2011		11.5000	12.6000
Arsenic, total	ug/L	MW-23	06/21/2012	ND	4.0000	12.6000
Arsenic, total	ug/L	MW-23	12/04/2012	ND	4.0000	12.6000
Arsenic, total	ug/L	MW-23	06/03/2013		6.1000	12.6000
Arsenic, total	ug/L	MW-23	12/12/2013		5.2000	12.6000
Arsenic, total	ug/L	MW-23	06/25/2014	ND	4.0000	12.6000
Arsenic, total	ug/L	MW-23	12/10/2014		5.8000	12.6000
Arsenic, total	ug/L	MW-23	06/04/2015		4.5000	12.6000
Arsenic, total	ug/L	MW-23	12/01/2015	ND	4.0000	12.6000
Arsenic, total	ug/L	MW-23	06/27/2016	ND	4.0000	12.6000
Arsenic, total	ug/L	MW-23	11/30/2016		7.4000	12.6000
Arsenic, total	ug/L	MW-23	06/22/2017	ND	4.0000	12.6000
Arsenic, total	ug/L	MW-23	11/15/2017		8.5000	12.6000
Arsenic, total	ug/L	MW-23	06/18/2018		5.7000	12.6000
Arsenic, total	ug/L	MW-23	11/28/2018	ND	4.0000	12.6000
Arsenic, total	ug/L	MW-23	06/12/2019		15.1000 *	12.6000
Arsenic, total	ug/L	MW-23	12/05/2019		4.5000	12.6000
Arsenic, total	ug/L	MW-23	06/17/2020	ND	4.0000	12.6000
Arsenic, total	ug/L	MW-23	12/07/2020		6.8000	12.6000
Arsenic, total	ug/L	MW-23	06/22/2021		28.8000 *	12.6000
Arsenic, total	ug/L	MW-23	12/02/2021		15.7000 *	12.6000
Arsenic, total	ug/L	MW-23	06/08/2022		39.0000 *	12.6000
Arsenic, total	ug/L	MW-23	11/22/2022		12.2000	12.6000
Arsenic, total	ug/L	MW-23	06/06/2023		205.0000 *	12.6000
Arsenic, total	ug/L	MW-23	12/04/2023	ND	4.0000	12.6000
Arsenic, total	ug/L	MW-23	06/06/2024		8.4000	12.6000
Arsenic, total	ug/L	MW-23	12/04/2024		9.0000	12.6000
Arsenic, total	ug/L	MW-23	06/12/2025		15.0000 *	12.6000
Cadmium, total	ug/L	MW-30	12/04/2024		0.8000	3.4000
Cadmium, total	ug/L	MW-30	06/12/2025		5.8000 *	3.4000

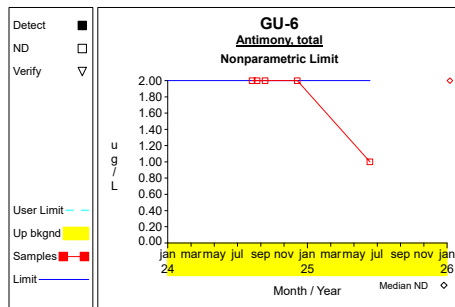
* - Significantly increased over background.

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

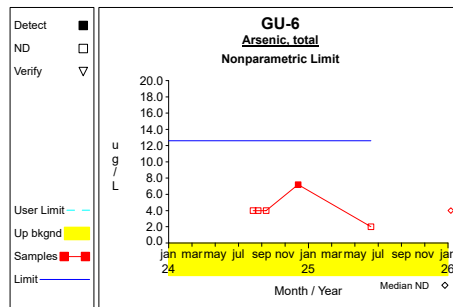
*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

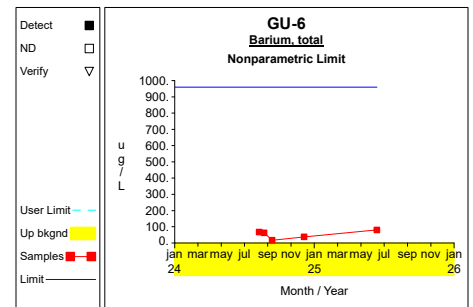
Up vs. Down Prediction Limits



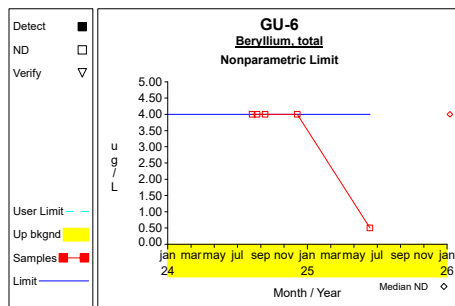
Graph 1



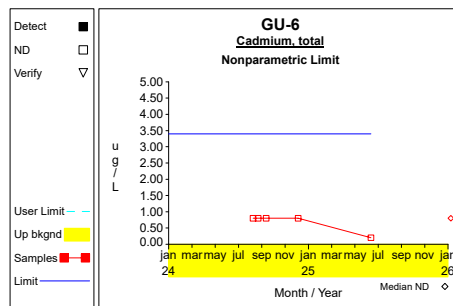
Graph 2



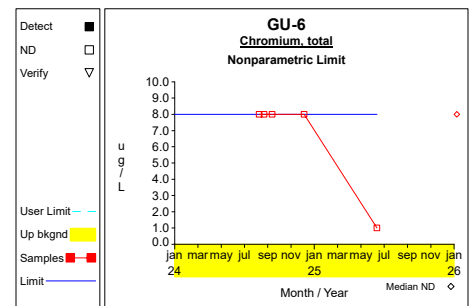
Graph 3



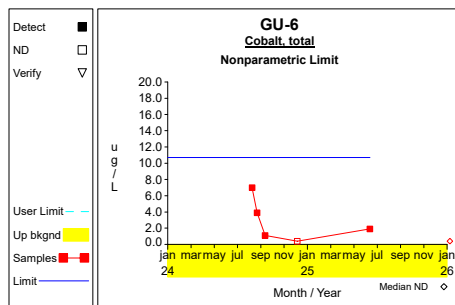
Graph 4



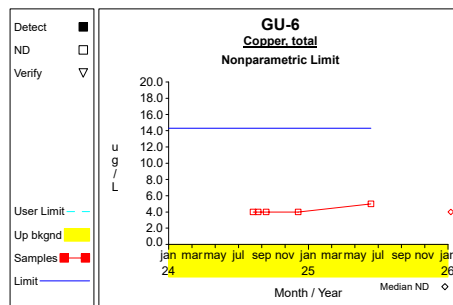
Graph 5



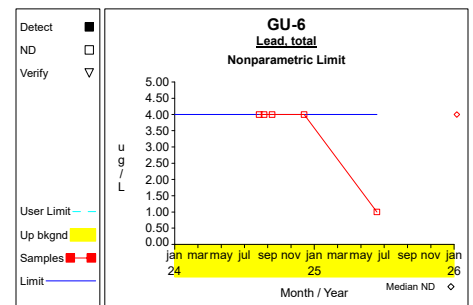
Graph 6



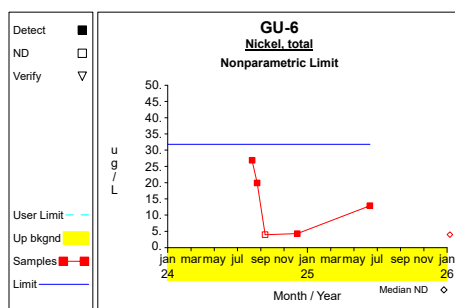
Graph 7



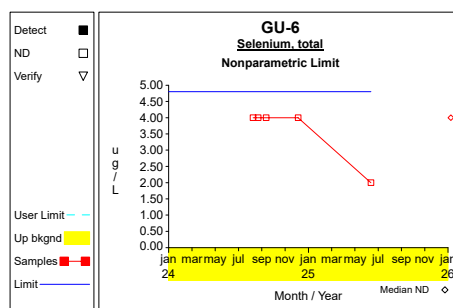
Graph 8



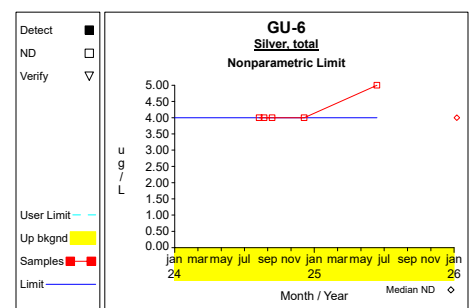
Graph 9



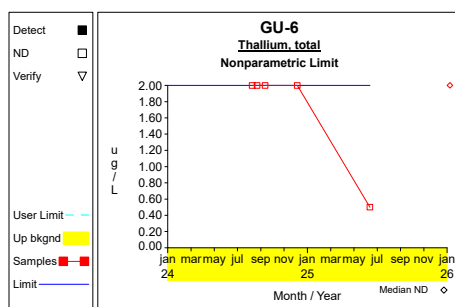
Graph 10



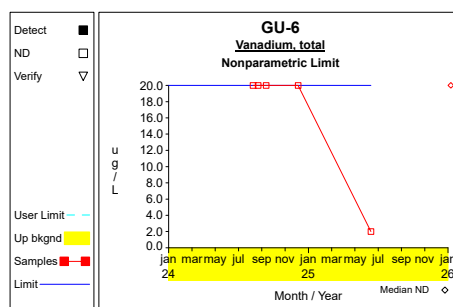
Graph 11



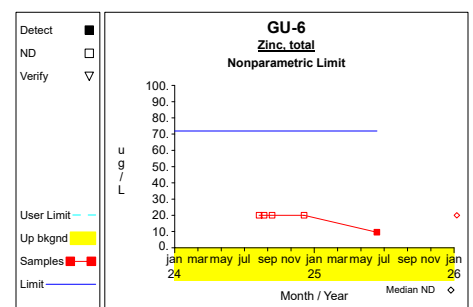
Graph 12



Graph 13

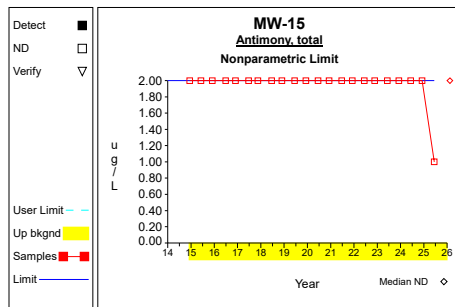


Graph 14

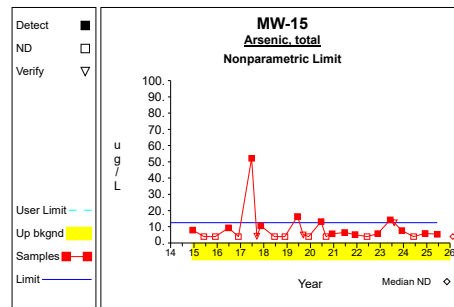


Graph 15

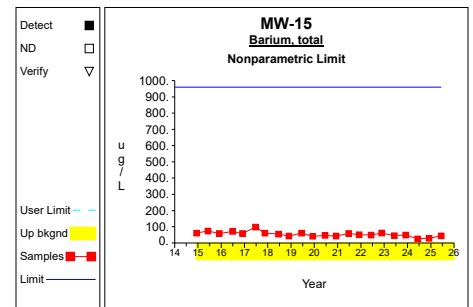
Up vs. Down Prediction Limits



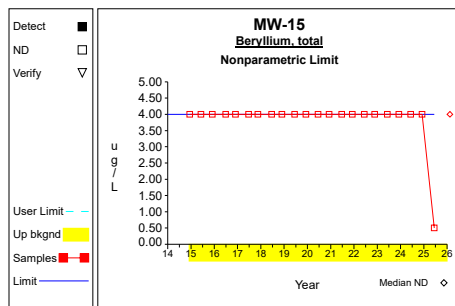
Graph 16



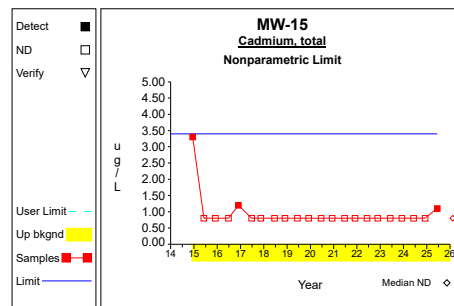
Graph 17



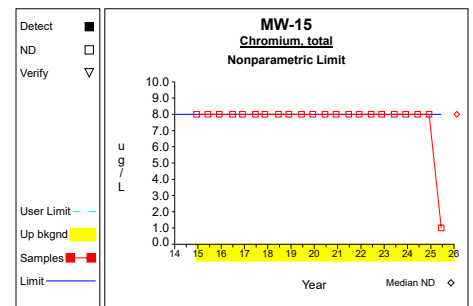
Graph 18



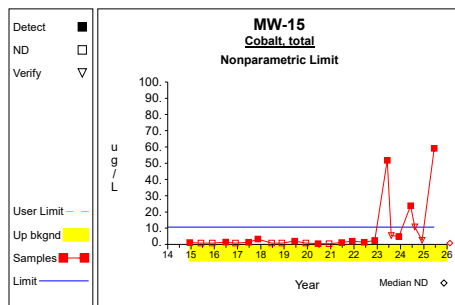
Graph 19



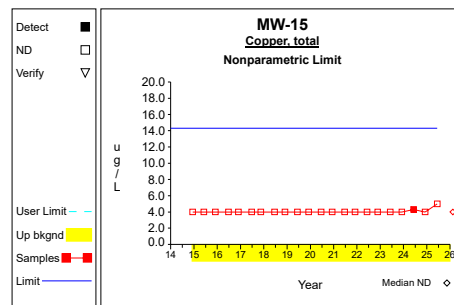
Graph 20



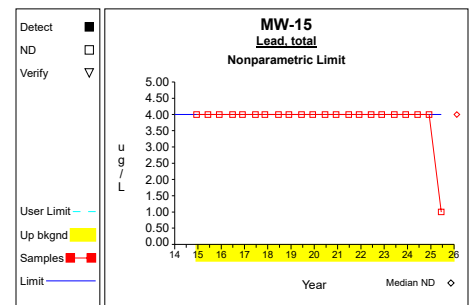
Graph 21



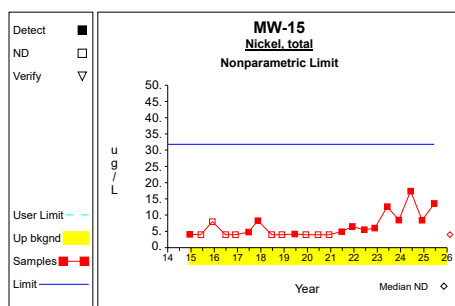
Graph 22



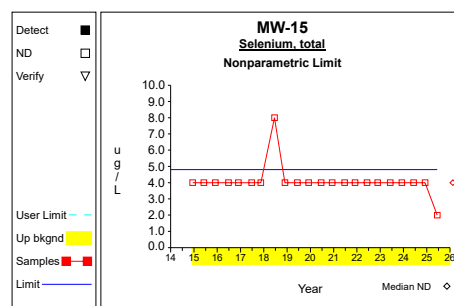
Graph 23



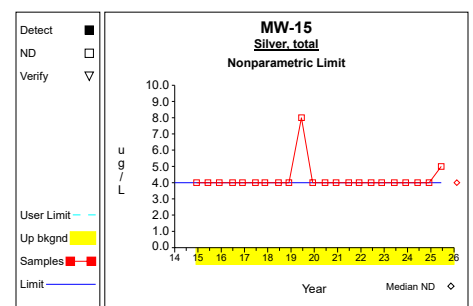
Graph 24



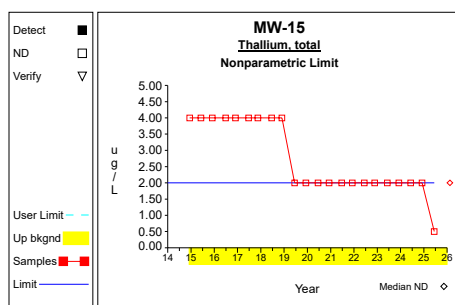
Graph 25



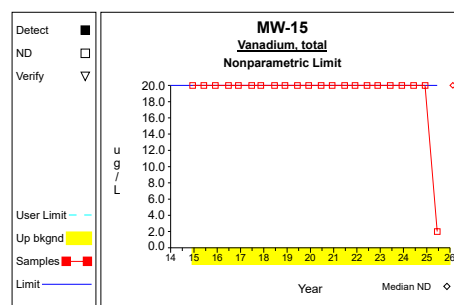
Graph 26



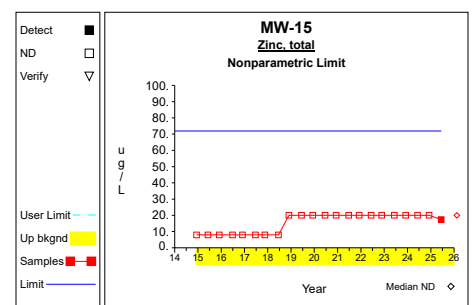
Graph 27



Graph 28

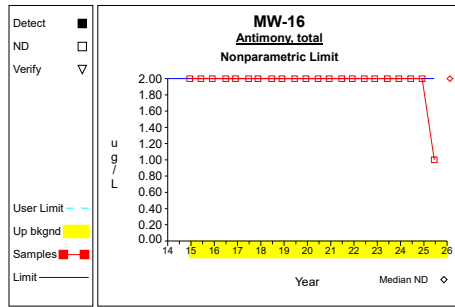


Graph 29

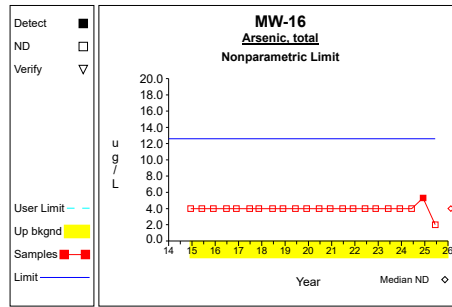


Graph 30

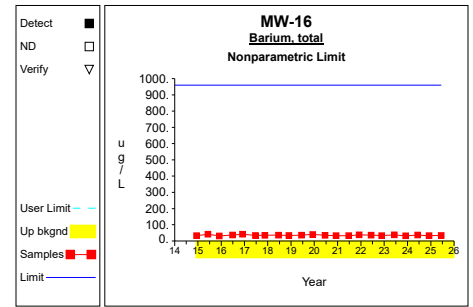
Up vs. Down Prediction Limits



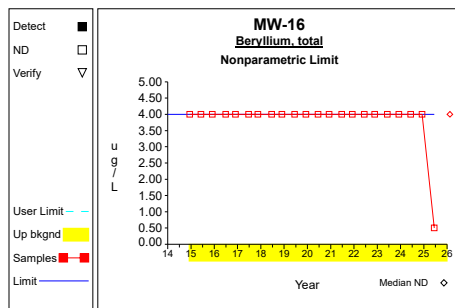
Graph 31



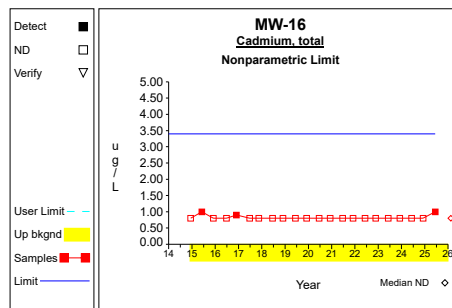
Graph 32



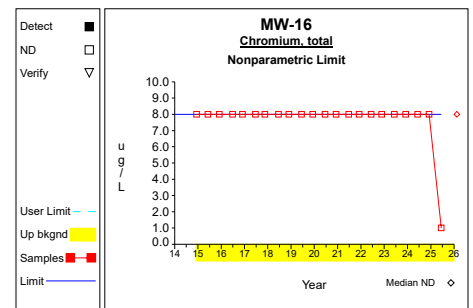
Graph 33



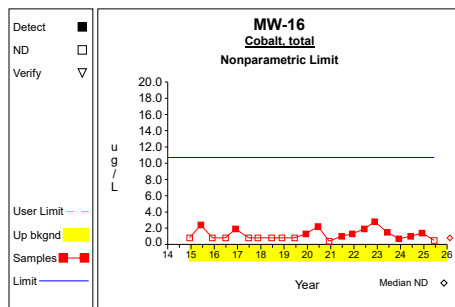
Graph 34



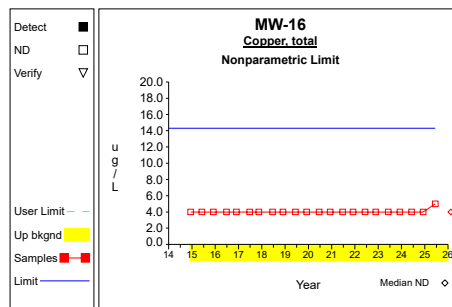
Graph 35



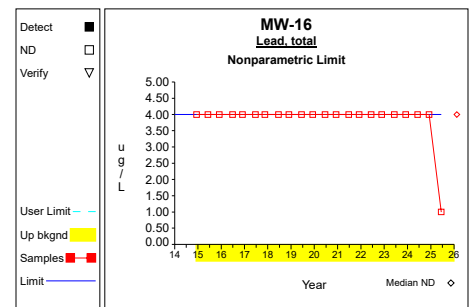
Graph 36



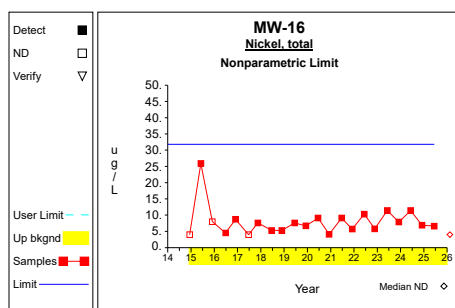
Graph 37



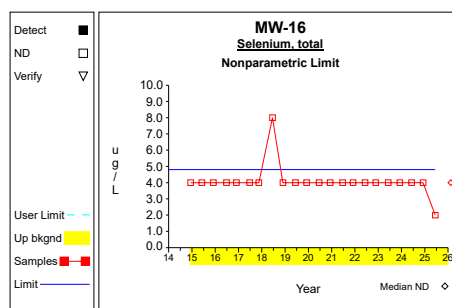
Graph 38



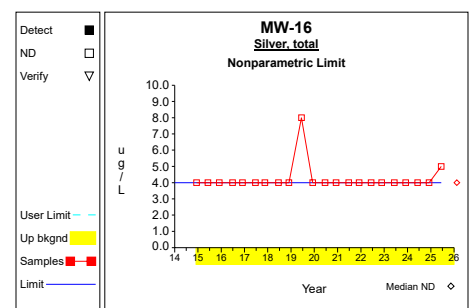
Graph 39



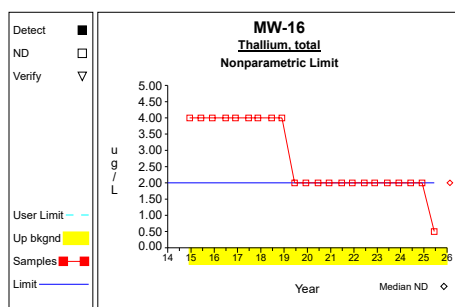
Graph 40



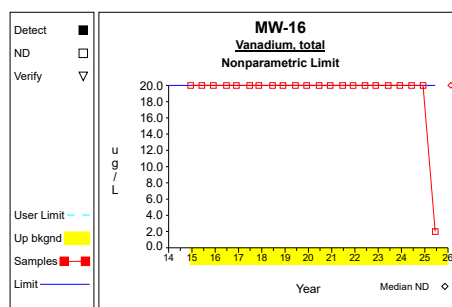
Graph 41



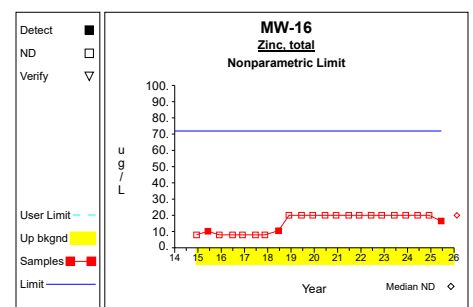
Graph 42



Graph 43

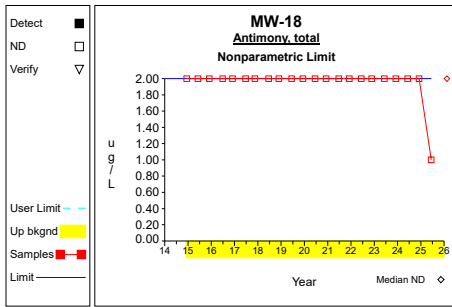


Graph 44

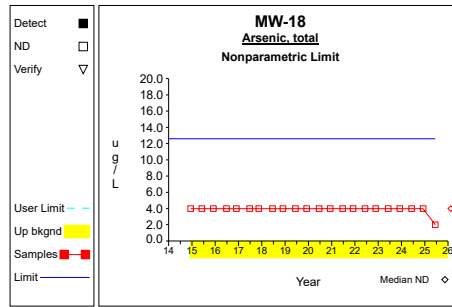


Graph 45

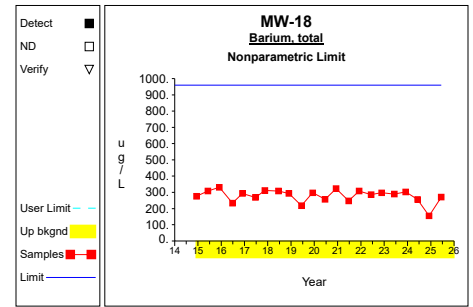
Up vs. Down Prediction Limits



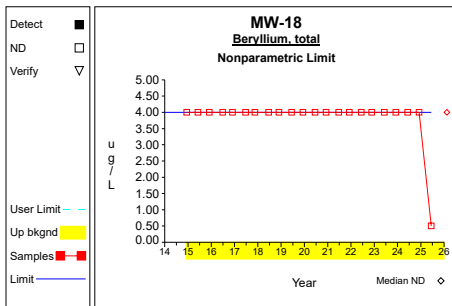
Graph 46



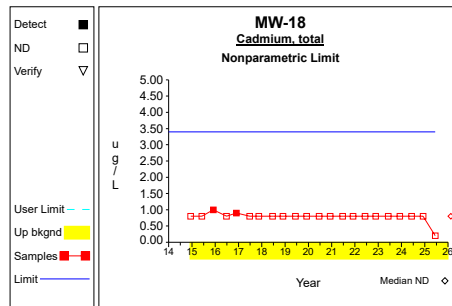
Graph 47



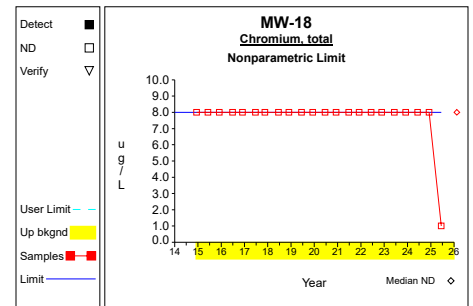
Graph 48



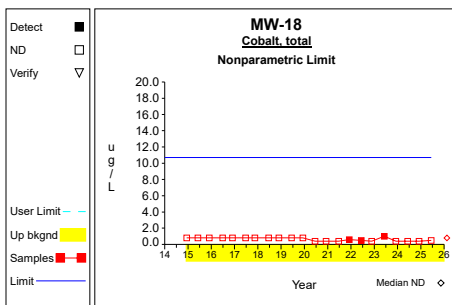
Graph 49



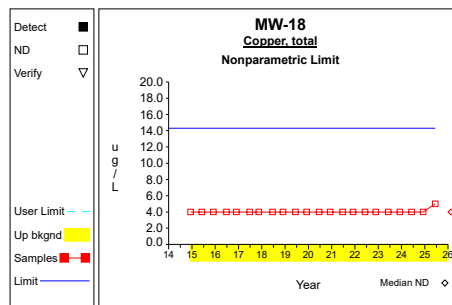
Graph 50



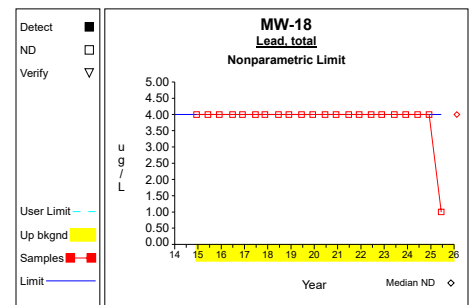
Graph 51



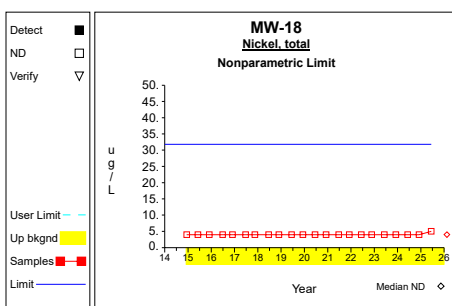
Graph 52



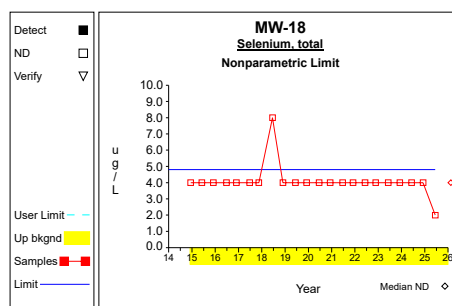
Graph 53



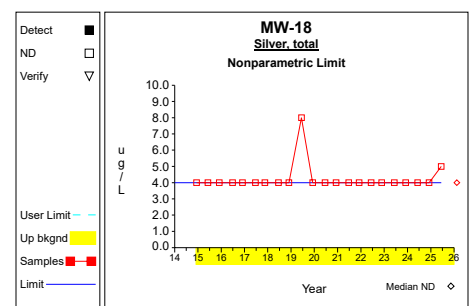
Graph 54



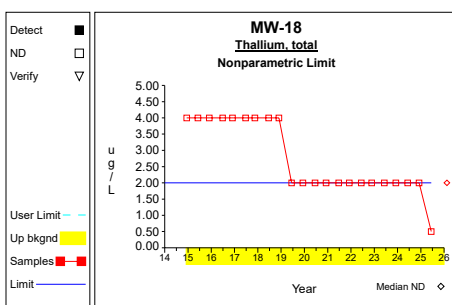
Graph 55



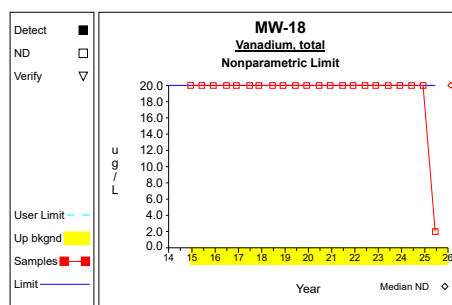
Graph 56



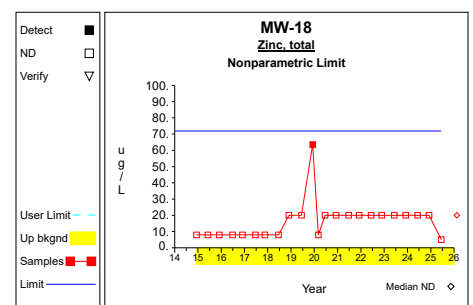
Graph 57



Graph 58

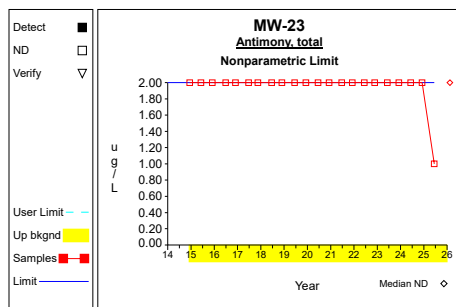


Graph 59

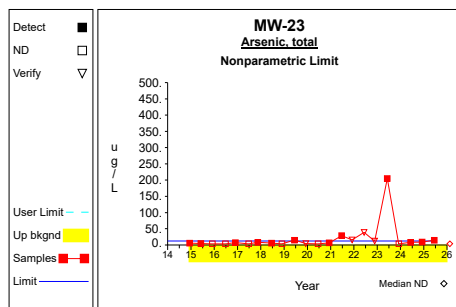


Graph 60

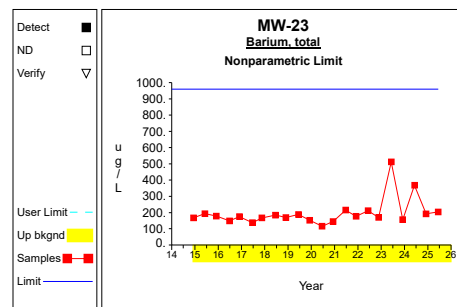
Up vs. Down Prediction Limits



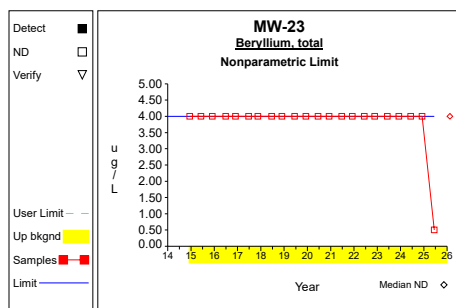
Graph 61



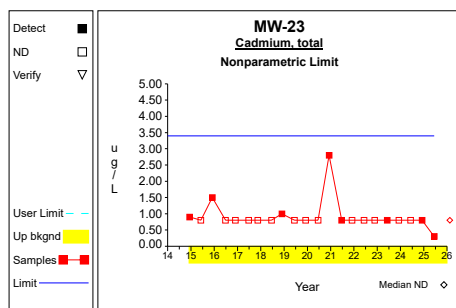
Graph 62



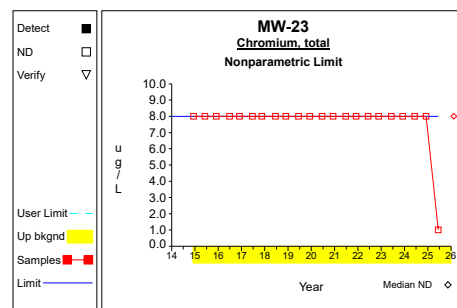
Graph 63



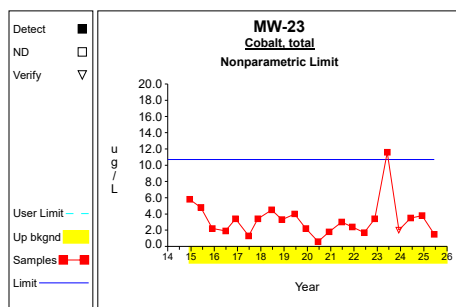
Graph 64



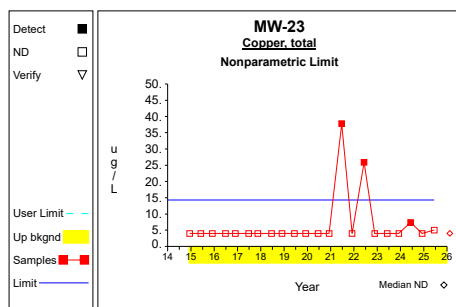
Graph 65



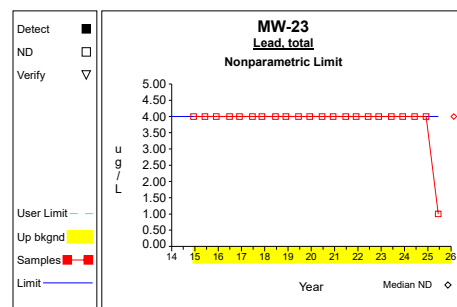
Graph 66



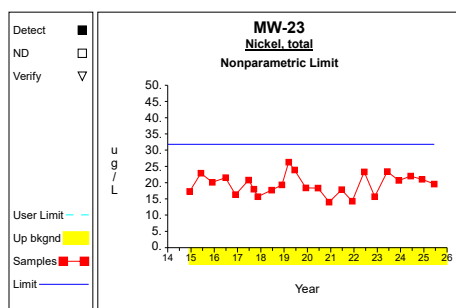
Graph 67



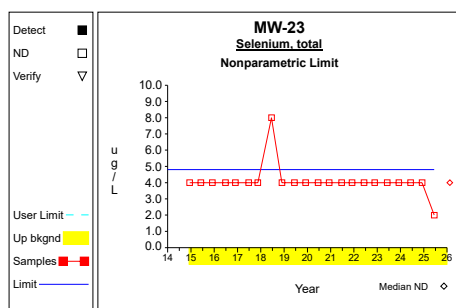
Graph 68



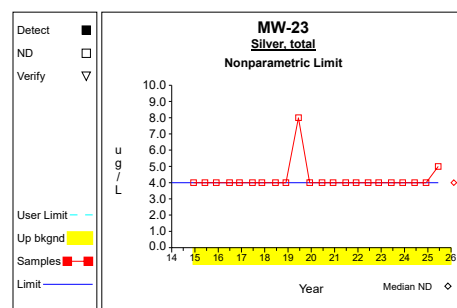
Graph 69



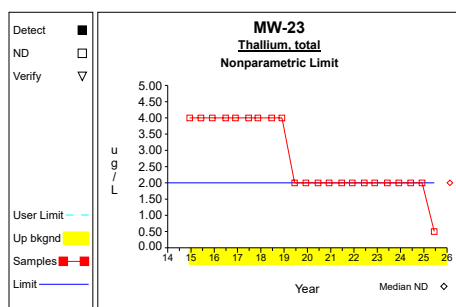
Graph 70



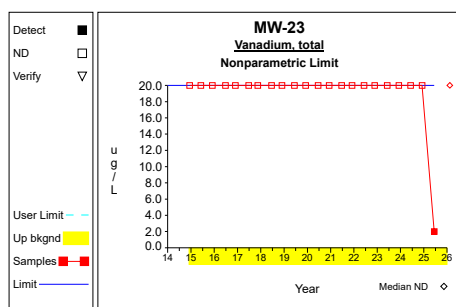
Graph 71



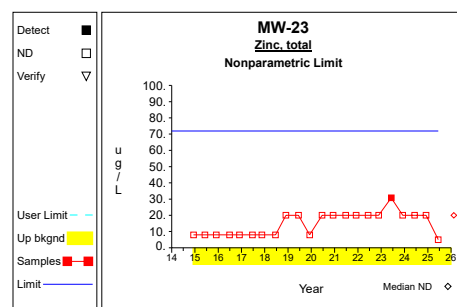
Graph 72



Graph 73

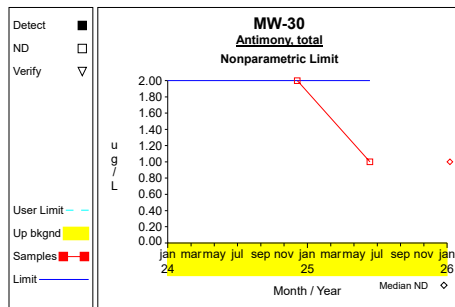


Graph 74

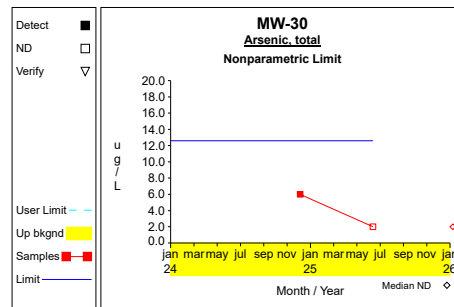


Graph 75

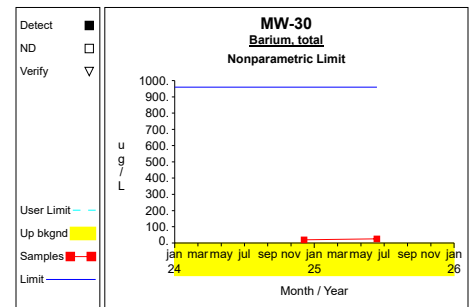
Up vs. Down Prediction Limits



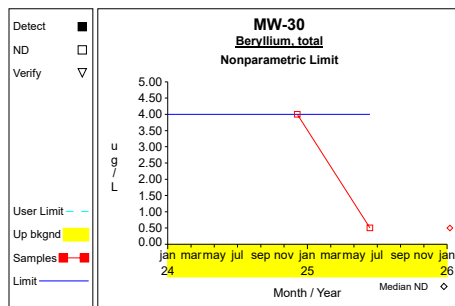
Graph 76



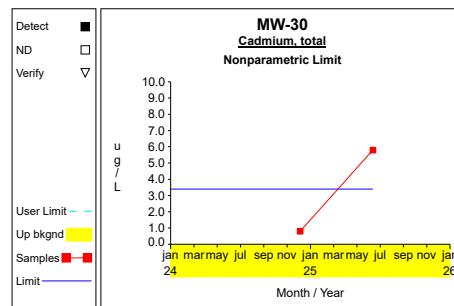
Graph 77



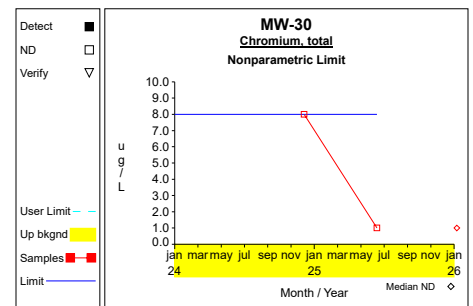
Graph 78



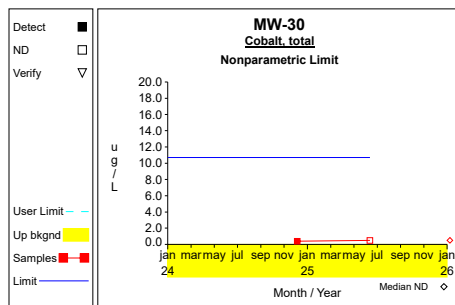
Graph 79



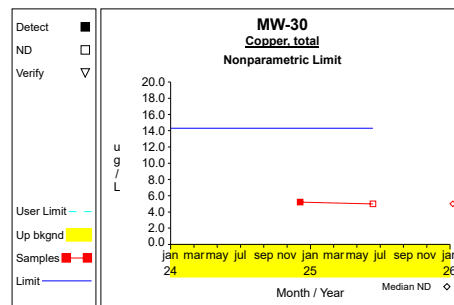
Graph 80



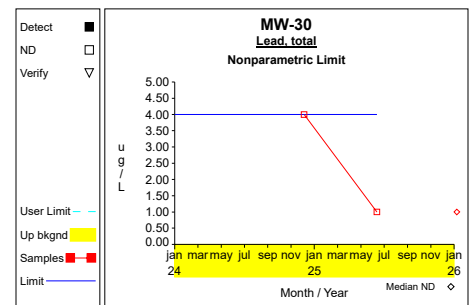
Graph 81



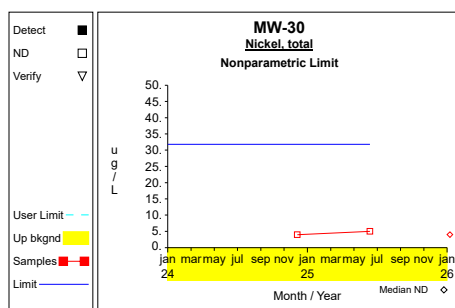
Graph 82



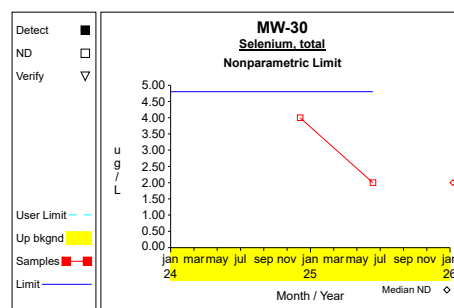
Graph 83



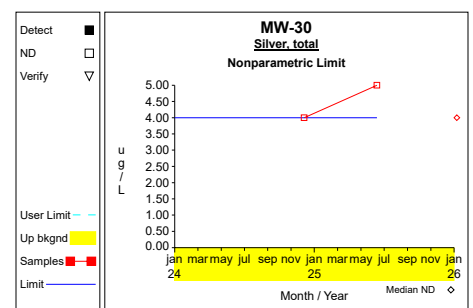
Graph 84



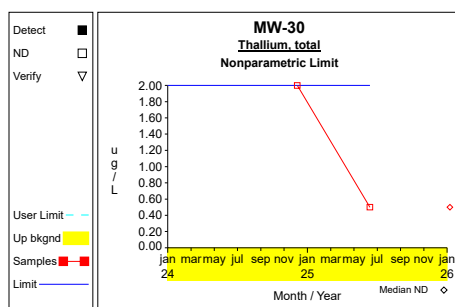
Graph 85



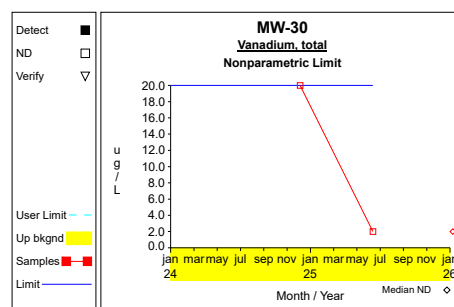
Graph 86



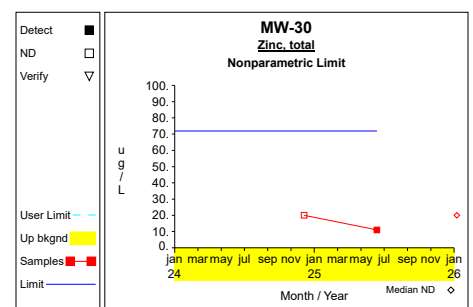
Graph 87



Graph 88

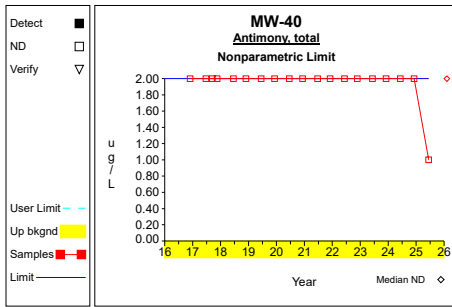


Graph 89

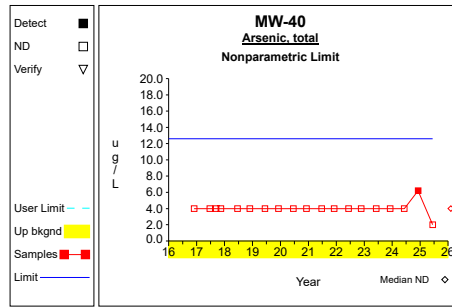


Graph 90

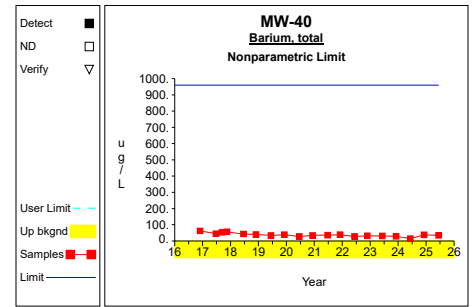
Up vs. Down Prediction Limits



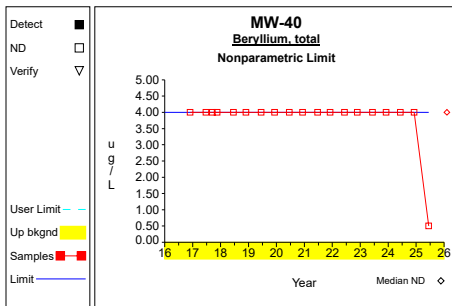
Graph 91



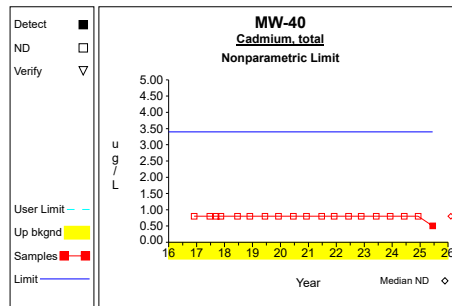
Graph 92



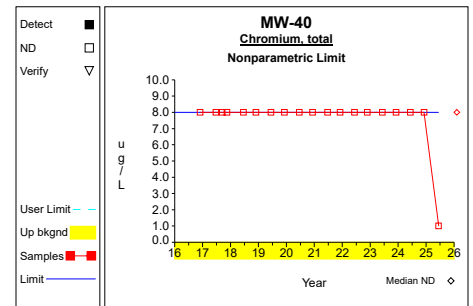
Graph 93



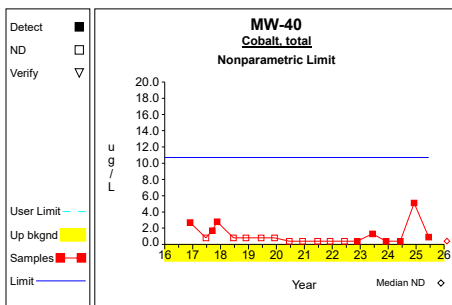
Graph 94



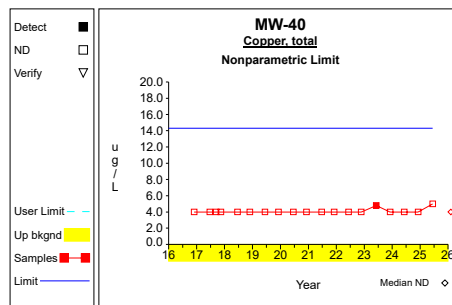
Graph 95



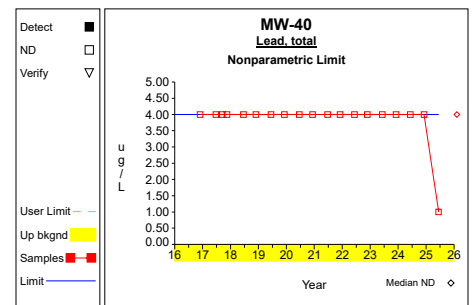
Graph 96



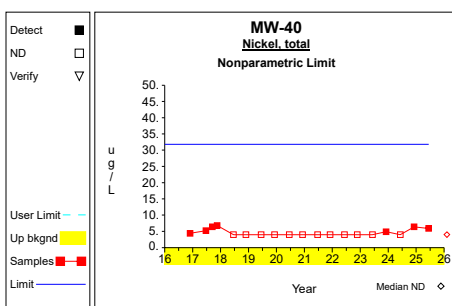
Graph 97



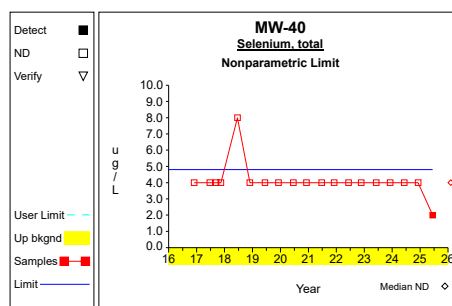
Graph 98



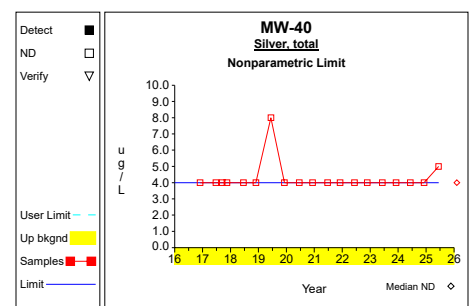
Graph 99



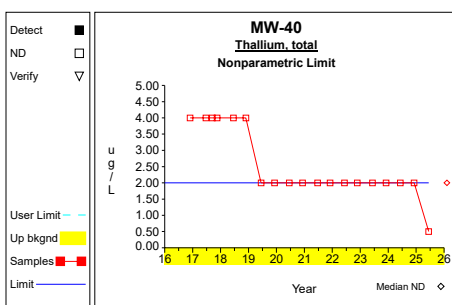
Graph 100



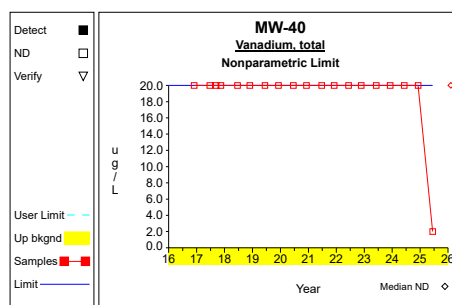
Graph 101



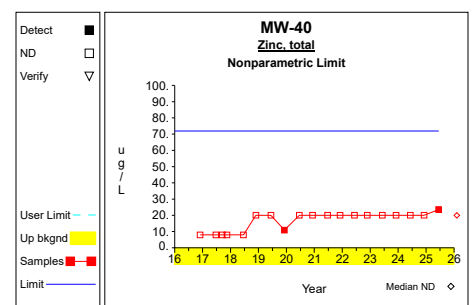
Graph 102



Graph 103

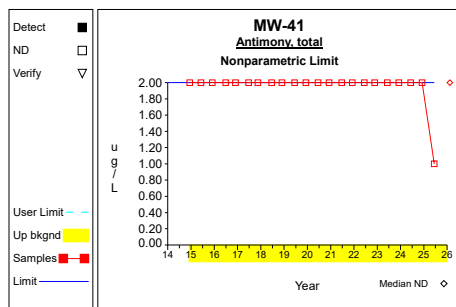


Graph 104

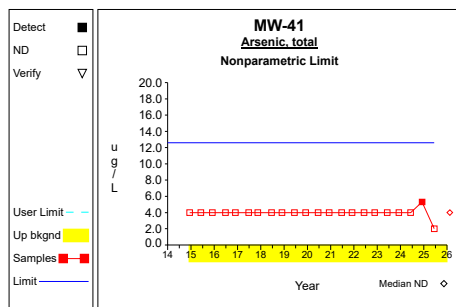


Graph 105

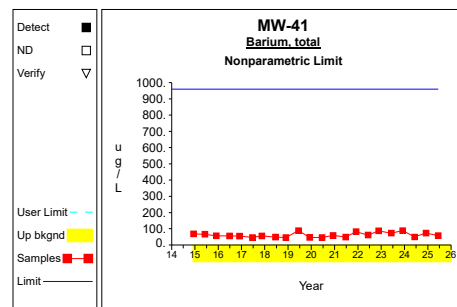
Up vs. Down Prediction Limits



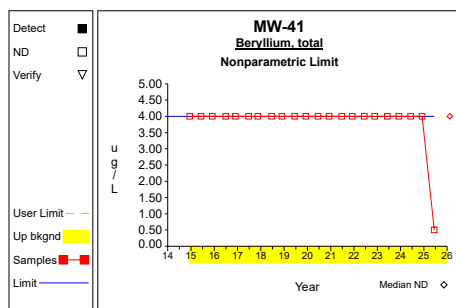
Graph 106



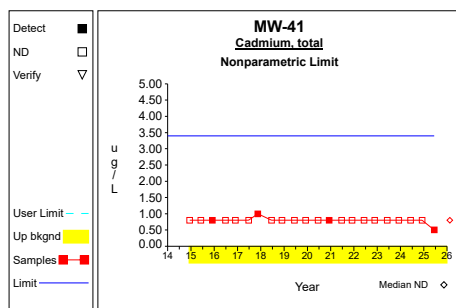
Graph 107



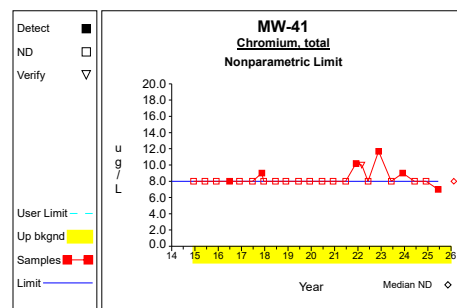
Graph 108



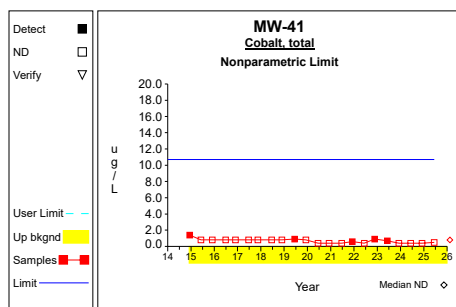
Graph 109



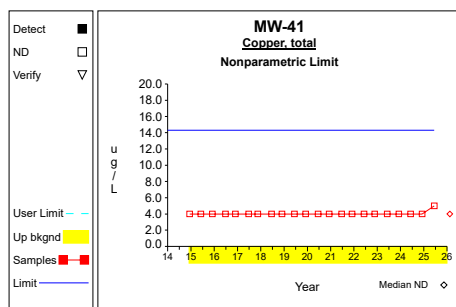
Graph 110



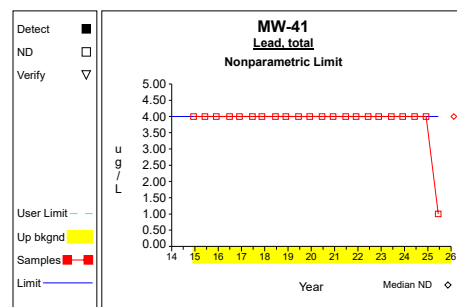
Graph 111



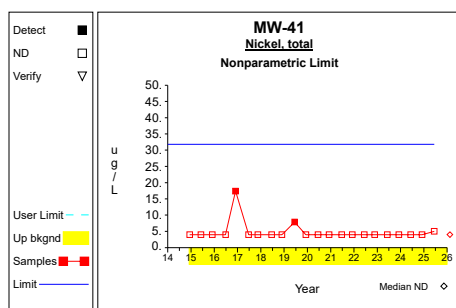
Graph 112



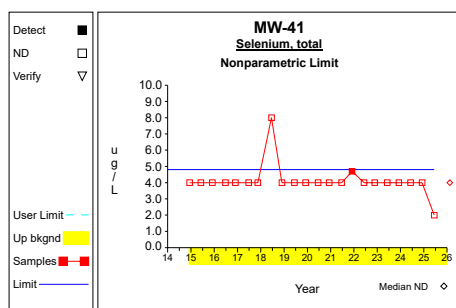
Graph 113



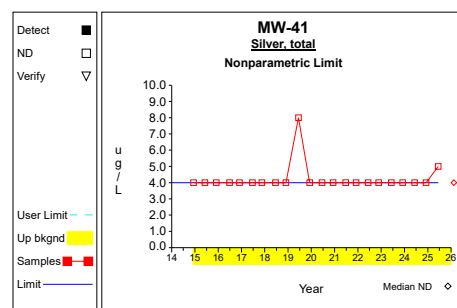
Graph 114



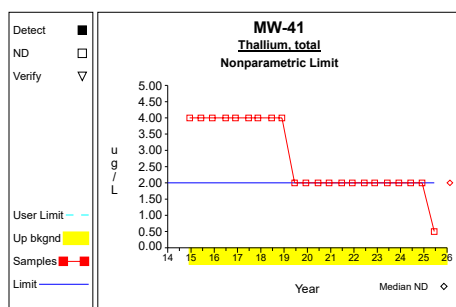
Graph 115



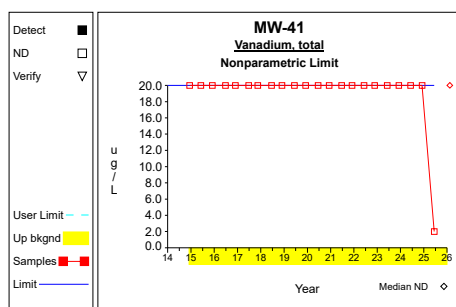
Graph 116



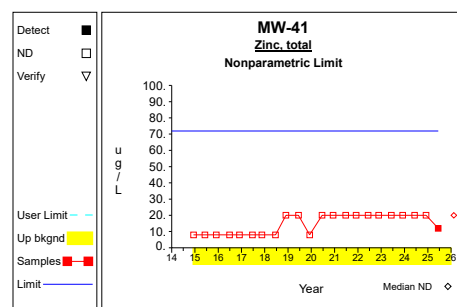
Graph 117



Graph 118

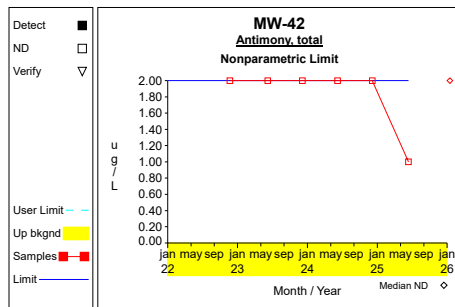


Graph 119

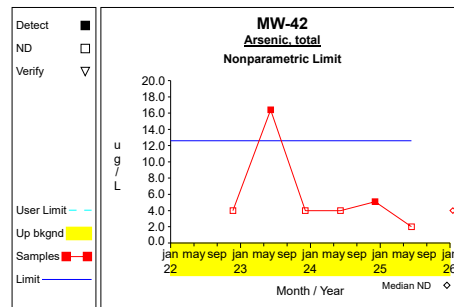


Graph 120

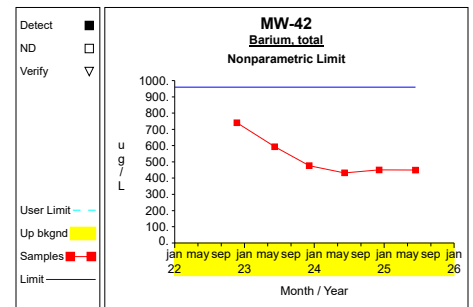
Up vs. Down Prediction Limits



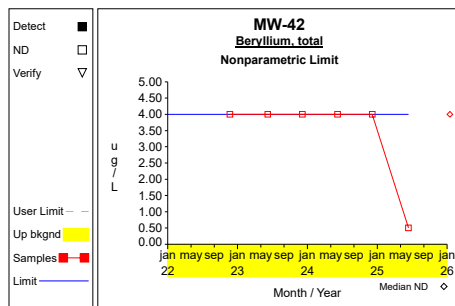
Graph 121



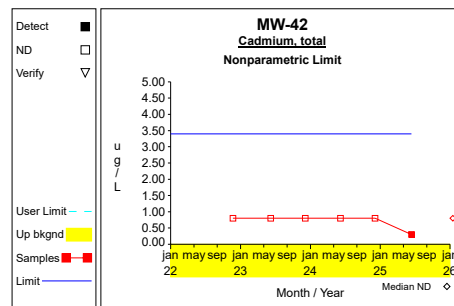
Graph 122



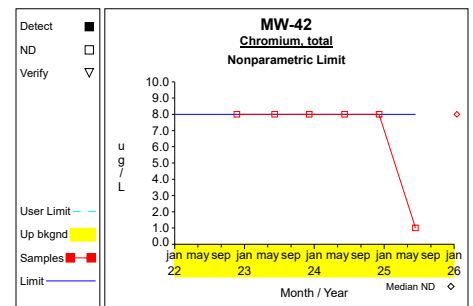
Graph 123



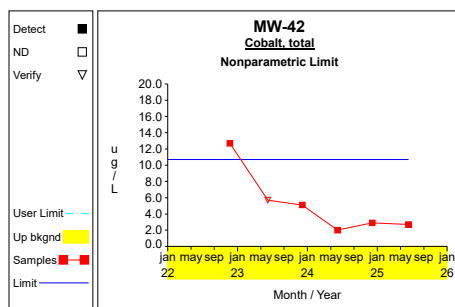
Graph 124



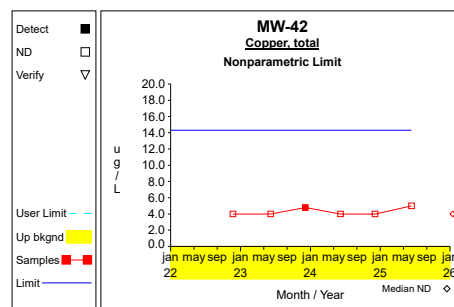
Graph 125



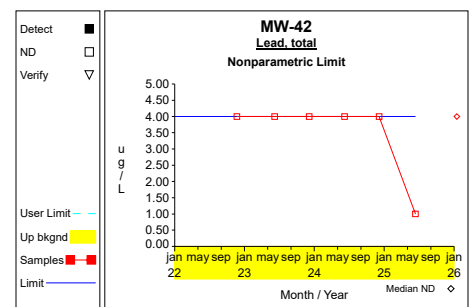
Graph 126



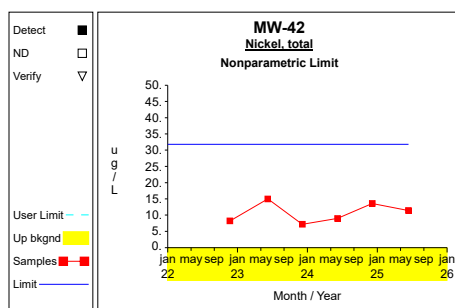
Graph 127



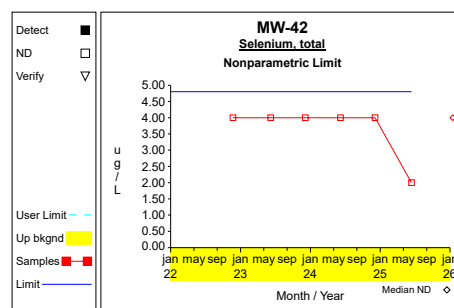
Graph 128



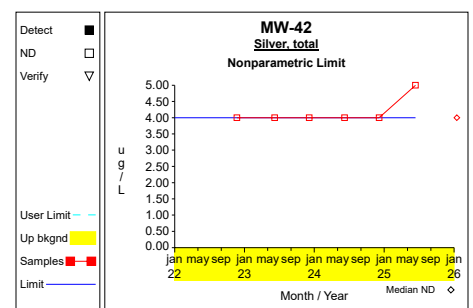
Graph 129



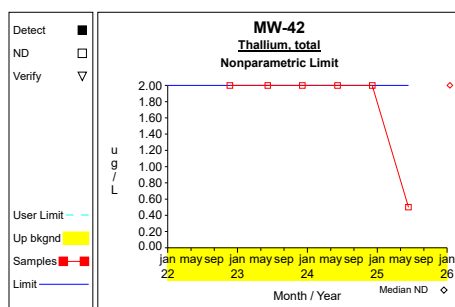
Graph 130



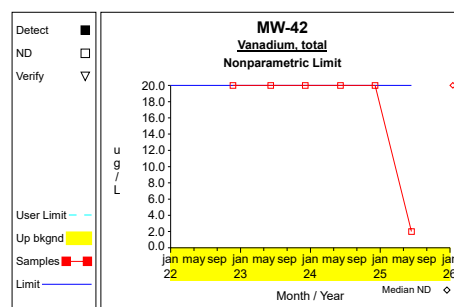
Graph 131



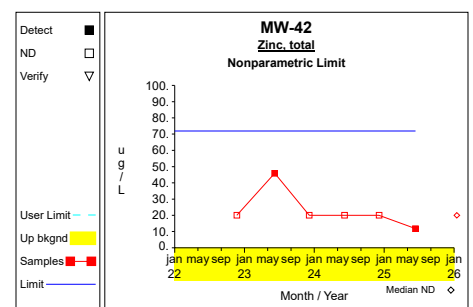
Graph 132



Graph 133

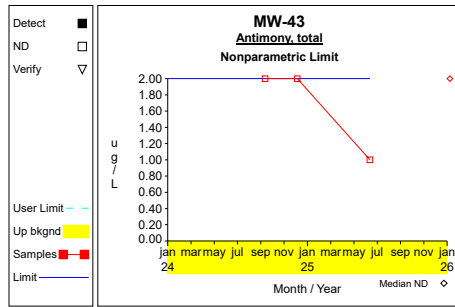


Graph 134

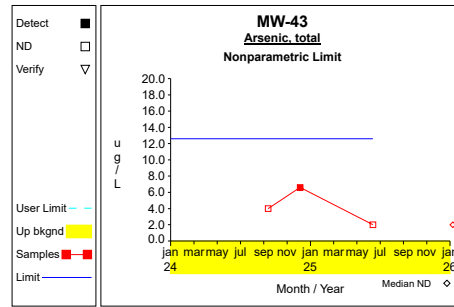


Graph 135

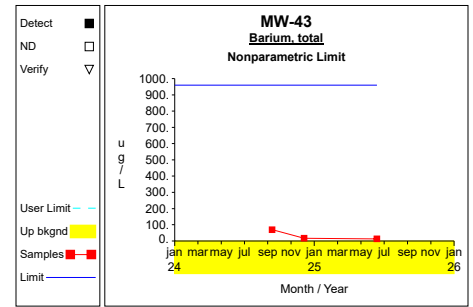
Up vs. Down Prediction Limits



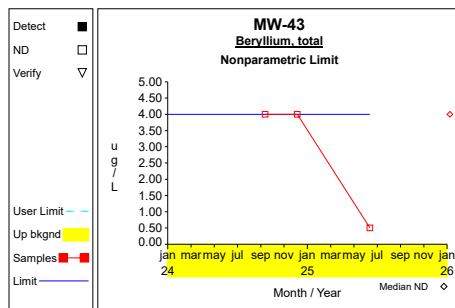
Graph 136



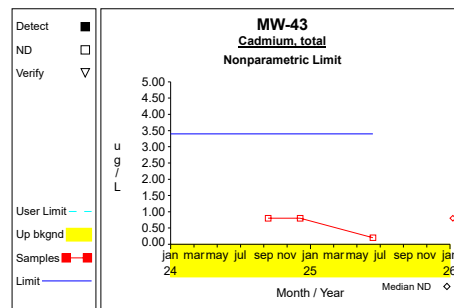
Graph 137



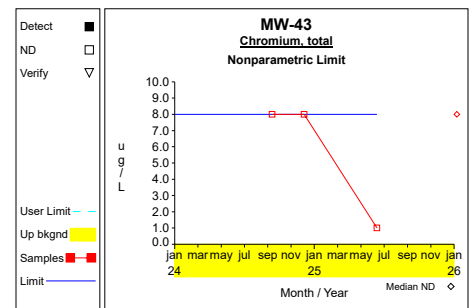
Graph 138



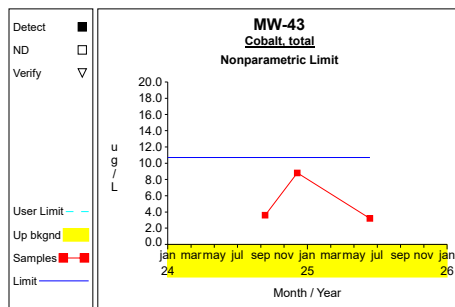
Graph 139



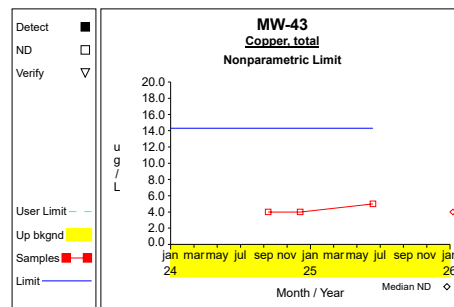
Graph 140



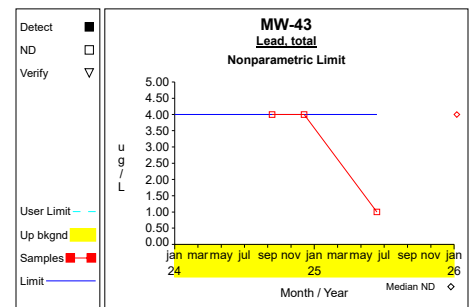
Graph 141



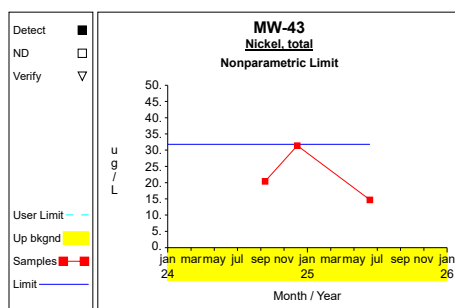
Graph 142



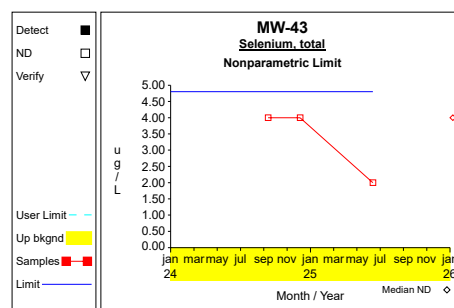
Graph 143



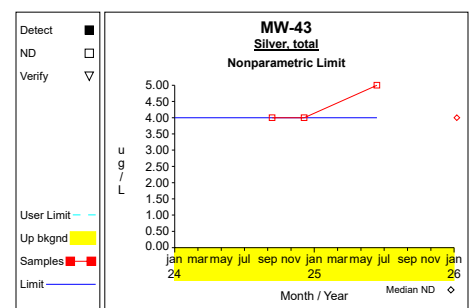
Graph 144



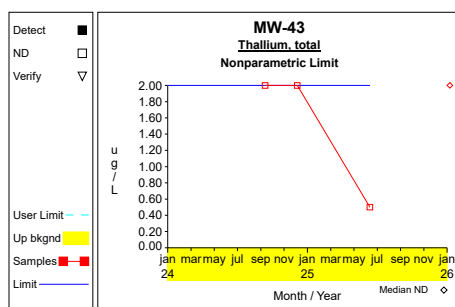
Graph 145



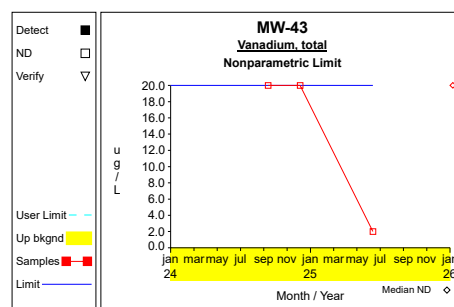
Graph 146



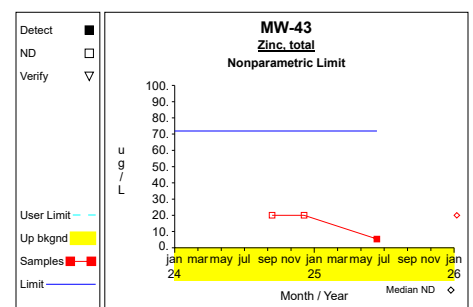
Graph 147



Graph 148

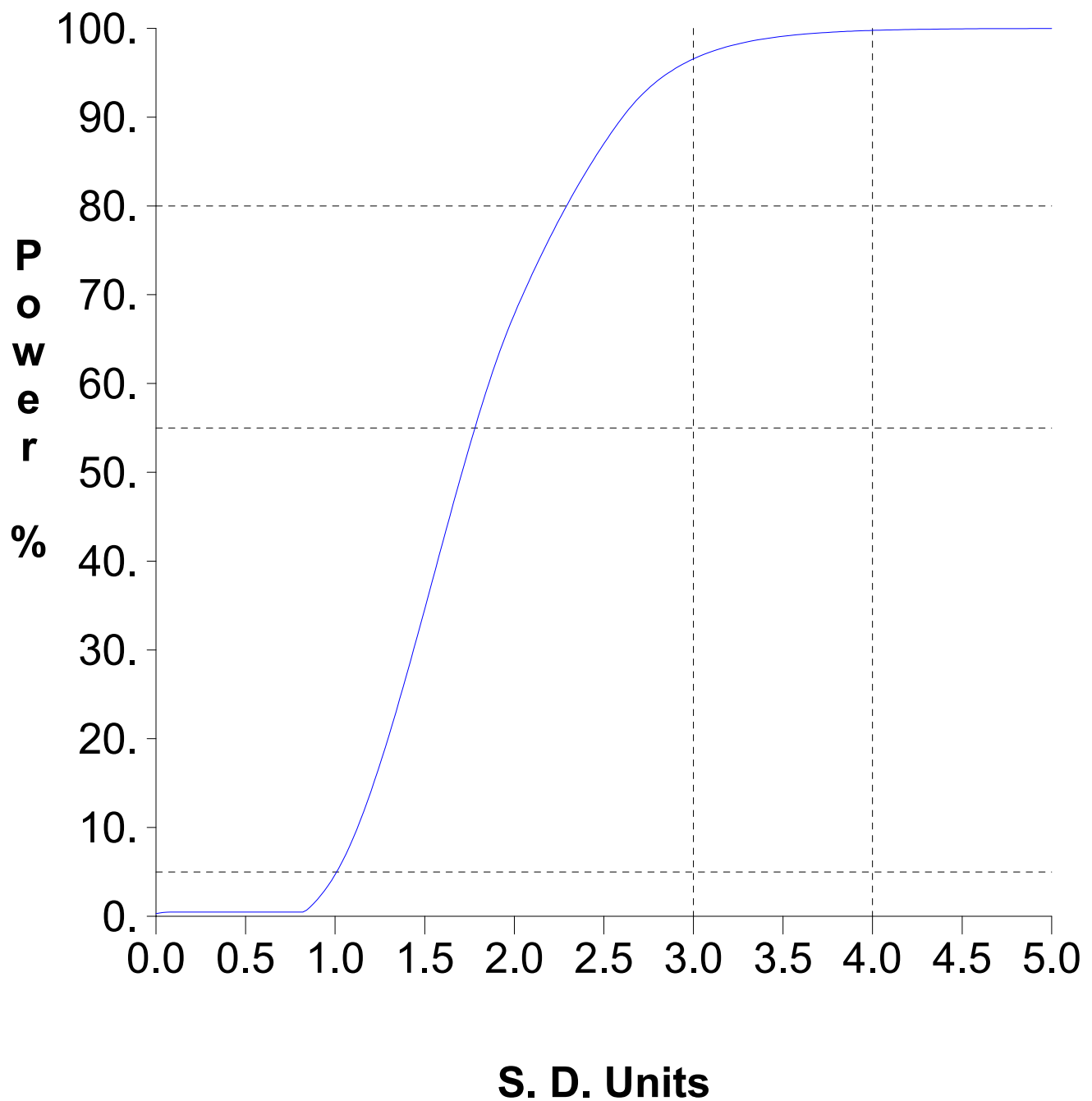


Graph 149



Graph 150

False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program



Attachment C

Metals Assessment Statistics

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-15	4	5.250	2.381	1.176	2.449	8.051	10.000		
Cadmium, total	ug/L	MW-15	4	0.575	0.350	1.176	0.163	0.987	5.000		
Cobalt, total	ug/L	MW-15	4	24.075	25.004	1.176	0.000	53.487	2.100		
Arsenic, total	ug/L	MW-16	4	2.825	1.650	1.176	0.884	4.766	10.000		
Cadmium, total	ug/L	MW-16	4	0.550	0.300	1.176	0.197	0.903	5.000		
Cobalt, total	ug/L	MW-16	4	0.875	0.427	1.176	0.372	1.378	2.100		
Arsenic, total	ug/L	MW-23	4	8.600	5.314	1.176	2.349	14.851	10.000		
Cadmium, total	ug/L	MW-23	4	0.475	0.222	1.176	0.214	0.736	5.000		
Cobalt, total	ug/L	MW-23	4	2.700	1.122	1.176	1.380	4.020	2.100		
Arsenic, total	ug/L	MW-30	2								*
Cadmium, total	ug/L	MW-30	2								*
Cobalt, total	ug/L	MW-30	2								*
Arsenic, total	ug/L	MW-41	4	2.825	1.650	1.176	0.884	4.766	10.000		
Cadmium, total	ug/L	MW-41	4	0.425	0.050	1.176	0.366	0.484	5.000		
Cobalt, total	ug/L	MW-41	4	0.400	0.000	1.176	0.400	0.400	2.100		
Arsenic, total	ug/L	MW-42	4	2.775	1.550	1.176	0.952	4.598	10.000		
Cadmium, total	ug/L	MW-42	4	0.375	0.050	1.176	0.316	0.434	5.000		
Cobalt, total	ug/L	MW-42	4	3.175	1.340	1.176	1.599	4.751	2.100		

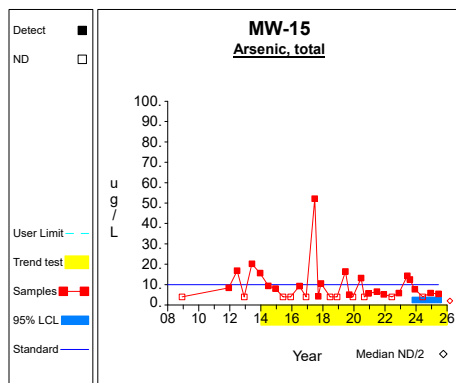
* - Insufficient Data

** - Significant Exceedance

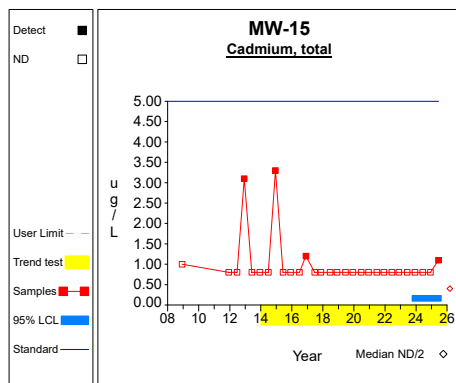
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

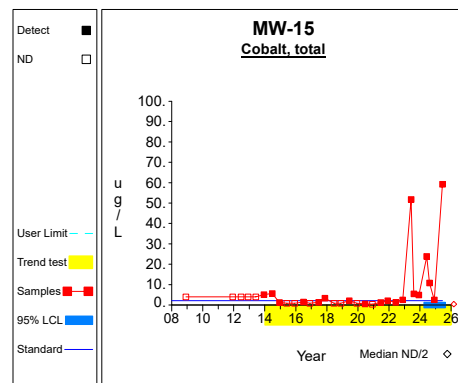
Confidence Limits (Assessment)



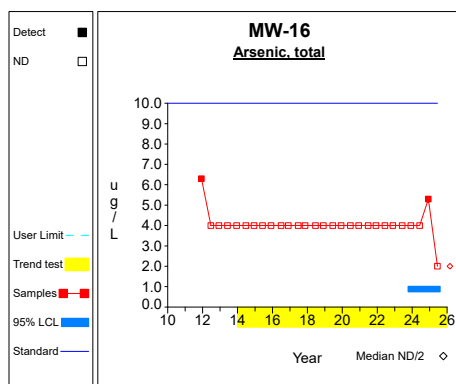
Graph 1



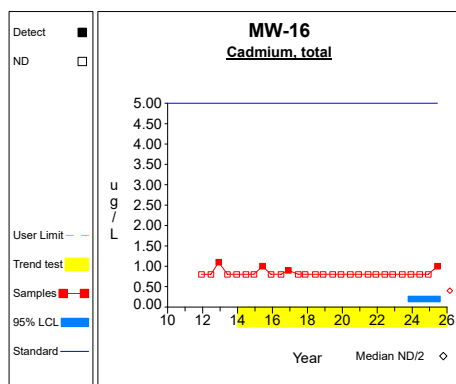
Graph 2



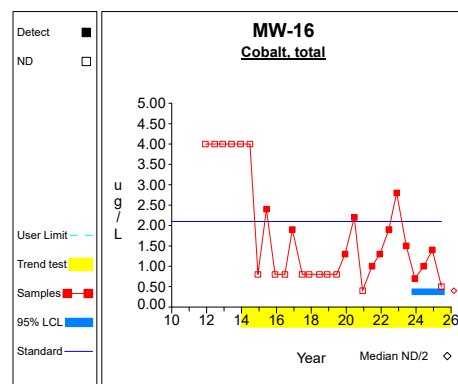
Graph 3



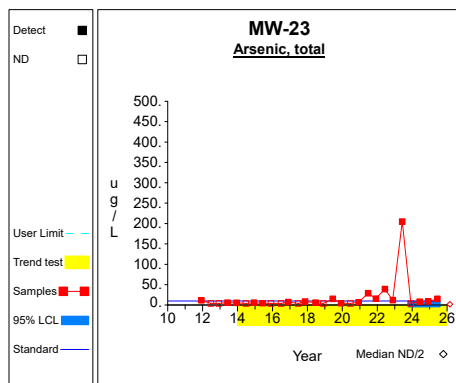
Graph 4



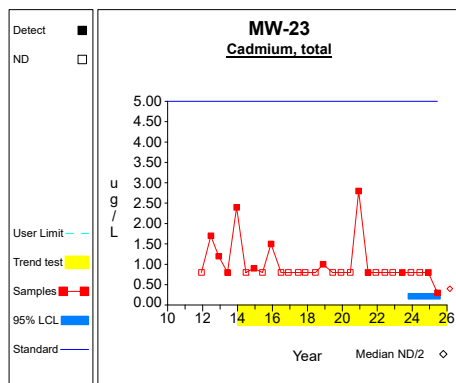
Graph 5



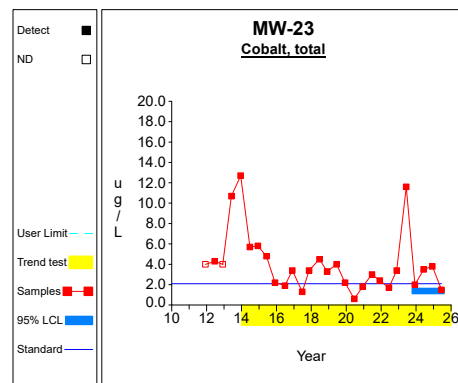
Graph 6



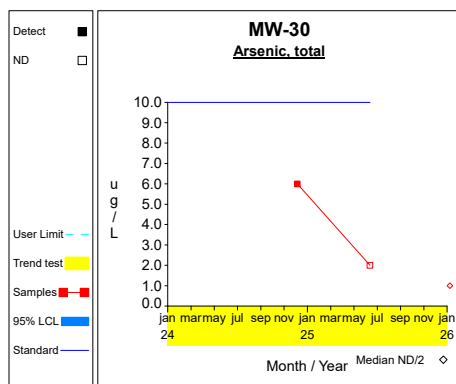
Graph 7



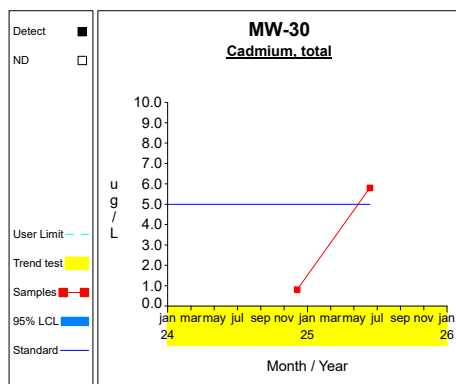
Graph 8



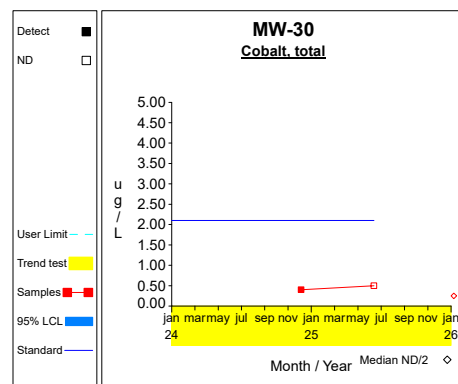
Graph 9



Graph 10

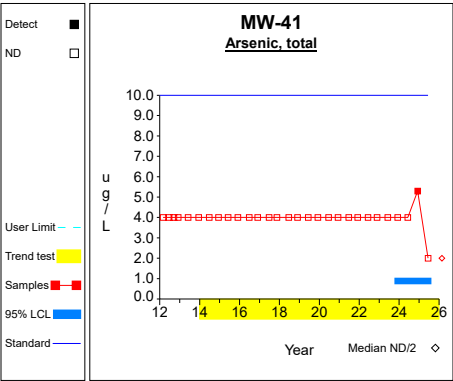


Graph 11

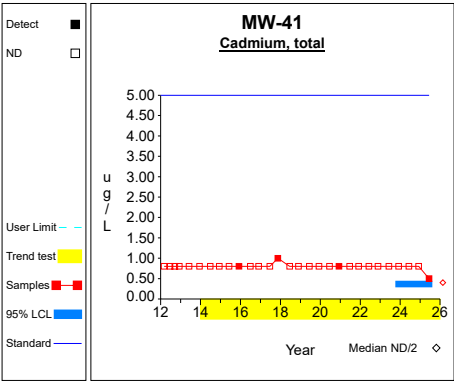


Graph 12

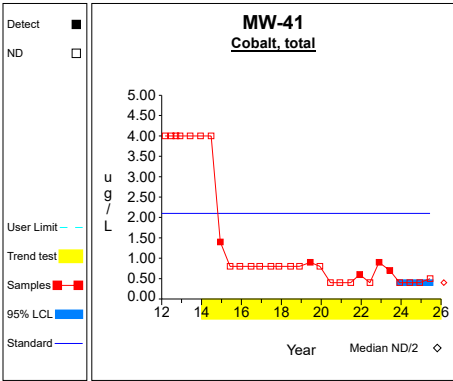
Confidence Limits (Assessment)



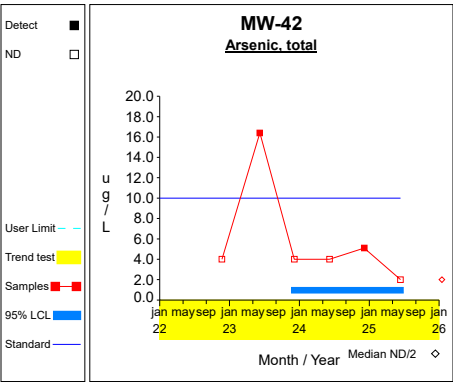
Graph 13



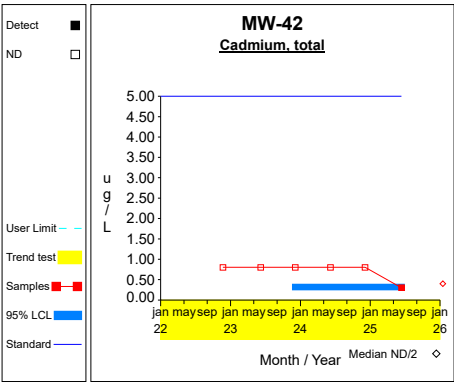
Graph 14



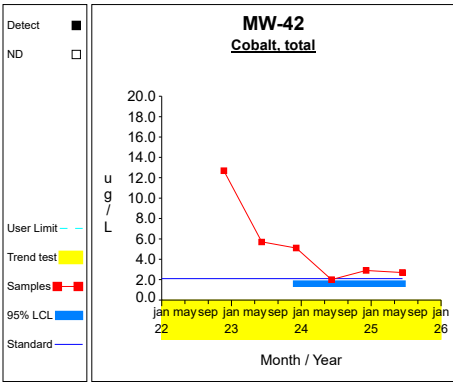
Graph 15



Graph 16



Graph 17



Graph 18

Attachment D

Historical VOC Detections

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Benzene	GU-5	6/06/2024		1	1	ug/L
Xylenes, total	GU-5	6/06/2024		3.8	2.0	ug/L
Benzene	MW-11	5/21/1997		1.1	1.0	ug/L
Benzene	MW-11	6/04/1997		1.2	1.0	ug/L
1,1-dichloroethane	MW-20-2	6/22/2021		270	5	ug/L
1,1-dichloroethane	MW-20-2	12/02/2021		282	5	ug/L
1,1-dichloroethane	MW-20-2	6/08/2022		219	10	ug/L
1,1-dichloroethane	MW-20-2	11/22/2022		256	10	ug/L
1,1-dichloroethane	MW-20-2	6/06/2023		215	5	ug/L
1,1-dichloroethane	MW-20-2	12/04/2023		186	5	ug/L
1,1-dichloroethane	MW-20-2	6/06/2024		243	5	ug/L
1,1-dichloroethane	MW-20-2	12/04/2024		191	5	ug/L
1,1-dichloroethane	MW-20-2	6/12/2025		166	5	ug/L
1,2-dichlorobenzene	MW-20-2	12/04/2023		1.3	1.0	ug/L
1,2-dichloroethane	MW-20-2	12/02/2021		1.2	1.0	ug/L
1,2-dichloroethane	MW-20-2	6/06/2023		1.2	1.0	ug/L
1,2-dichloroethane	MW-20-2	6/06/2024		2.7	1.0	ug/L
1,2-dichloroethane	MW-20-2	12/04/2024		1.0	1.0	ug/L
1,2-dichloropropane	MW-20-2	6/08/2022		1.2	1.0	ug/L
1,2-dichloropropane	MW-20-2	6/06/2023		1.1	1.0	ug/L
1,2-dichloropropane	MW-20-2	6/06/2024		1.8	1.0	ug/L
1,4-dichlorobenzene	MW-20-2	6/22/2021		2.6	1.0	ug/L
1,4-dichlorobenzene	MW-20-2	12/02/2021		1.9	1.0	ug/L
1,4-dichlorobenzene	MW-20-2	6/08/2022		1.5	1.0	ug/L
1,4-dichlorobenzene	MW-20-2	6/06/2023		1.4	1.0	ug/L
1,4-dichlorobenzene	MW-20-2	12/04/2023		1.2	1.0	ug/L
1,4-dichlorobenzene	MW-20-2	12/04/2024		1.1	1.0	ug/L
1,4-dichlorobenzene	MW-20-2	6/12/2025		1.3	1.0	ug/L
Bromochloromethane	MW-20-2	6/06/2024		2.6	1.0	ug/L
Chlorobenzene	MW-20-2	6/22/2021		5.0	1.0	ug/L
Chlorobenzene	MW-20-2	12/02/2021		3.8	1.0	ug/L
Chlorobenzene	MW-20-2	6/08/2022		3.6	1.0	ug/L
Chlorobenzene	MW-20-2	11/22/2022		3.0	1.0	ug/L
Chlorobenzene	MW-20-2	6/06/2023		3.6	1.0	ug/L
Chlorobenzene	MW-20-2	12/04/2023		3.4	1.0	ug/L
Chlorobenzene	MW-20-2	6/06/2024		3.7	1.0	ug/L
Chlorobenzene	MW-20-2	12/04/2024		3.7	1.0	ug/L
Chlorobenzene	MW-20-2	6/12/2025		3.0	1.0	ug/L
Chloroethane	MW-20-2	6/22/2021		78.8	1.0	ug/L
Chloroethane	MW-20-2	12/02/2021		69.2	1.0	ug/L
Chloroethane	MW-20-2	6/08/2022		69.3	1.0	ug/L
Chloroethane	MW-20-2	11/22/2022		56.0	1.0	ug/L
Chloroethane	MW-20-2	6/06/2023		42.9	1.0	ug/L
Chloroethane	MW-20-2	12/04/2023		41.8	1.0	ug/L
Chloroethane	MW-20-2	6/06/2024		25.7	1.0	ug/L
Chloroethane	MW-20-2	12/04/2024		31.5	1.0	ug/L
Chloroethane	MW-20-2	6/12/2025		34.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-2	6/22/2021		30.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-2	12/02/2021		34.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-2	6/08/2022		35.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-2	11/22/2022		34.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-2	6/06/2023		25.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-2	12/04/2023		24.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-2	6/06/2024		45.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-2	12/04/2024		26.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-2	6/12/2025		26.8	1.0	ug/L
Tetrachloroethylene	MW-20-2	6/22/2021		9.0	1.0	ug/L
Tetrachloroethylene	MW-20-2	12/02/2021		4.2	1.0	ug/L
Tetrachloroethylene	MW-20-2	6/08/2022		2.2	1.0	ug/L
Tetrachloroethylene	MW-20-2	11/22/2022		1.6	1.0	ug/L
Tetrachloroethylene	MW-20-2	6/06/2023		1.5	1.0	ug/L
Tetrachloroethylene	MW-20-2	6/06/2024		8.0	1.0	ug/L
Tetrachloroethylene	MW-20-2	6/12/2025		2.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-2	6/22/2021		3.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-2	12/02/2021		2.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-2	6/08/2022		3.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-2	11/22/2022		2.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-2	6/06/2023		2.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-2	12/04/2023		2.7	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-2	6/06/2024		2.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-2	12/04/2024		2.5	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-2	6/12/2025		2.1	1.0	ug/L
Trichloroethylene	MW-20-2	6/22/2021		4.4	1.0	ug/L
Trichloroethylene	MW-20-2	12/02/2021		3.0	1.0	ug/L
Trichloroethylene	MW-20-2	6/08/2022		2.3	1.0	ug/L
Trichloroethylene	MW-20-2	11/22/2022		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
Trichloroethylene	MW-20-2	6/06/2023		1.6	1.0	ug/L
Trichloroethylene	MW-20-2	12/04/2023		1.1	1.0	ug/L
Trichloroethylene	MW-20-2	6/06/2024		12.7	1.0	ug/L
Trichloroethylene	MW-20-2	12/04/2024		1.3	1.0	ug/L
Trichloroethylene	MW-20-2	6/12/2025		1.9	1.0	ug/L
Trichlorofluoromethane	MW-20-2	6/22/2021		4.3	1.0	ug/L
Trichlorofluoromethane	MW-20-2	12/02/2021		4.6	1.0	ug/L
Trichlorofluoromethane	MW-20-2	6/08/2022		2.4	1.0	ug/L
Trichlorofluoromethane	MW-20-2	11/22/2022		1.8	1.0	ug/L
Trichlorofluoromethane	MW-20-2	6/06/2023		1.8	1.0	ug/L
Trichlorofluoromethane	MW-20-2	12/04/2023		2.6	1.0	ug/L
Trichlorofluoromethane	MW-20-2	6/06/2024		10.6	1.0	ug/L
Trichlorofluoromethane	MW-20-2	12/04/2024		1.4	1.0	ug/L
Vinyl chloride	MW-20-2	6/22/2021		8.7	1.0	ug/L
Vinyl chloride	MW-20-2	12/02/2021		7.7	1.0	ug/L
Vinyl chloride	MW-20-2	6/08/2022		4.0	3.2	ug/L
Vinyl chloride	MW-20-2	11/22/2022		5.3	1.0	ug/L
Vinyl chloride	MW-20-2	6/06/2023		4.7	1.0	ug/L
Vinyl chloride	MW-20-2	12/04/2023		5.7	1.0	ug/L
Vinyl chloride	MW-20-2	6/06/2024		4.1	1.0	ug/L
Vinyl chloride	MW-20-2	12/04/2024		3.6	1.0	ug/L
Vinyl chloride	MW-20-2	6/12/2025		2.0	1.0	ug/L
1,1-dichloroethane	MW-20-6	6/22/2021		310.0	10.0	ug/L
1,1-dichloroethane	MW-20-6	12/02/2021		318.0	10.0	ug/L
1,1-dichloroethane	MW-20-6	6/08/2022		272.0	10.0	ug/L
1,1-dichloroethane	MW-20-6	11/22/2022		135.0	10.0	ug/L
1,1-dichloroethane	MW-20-6	6/06/2023		271.0	5.0	ug/L
1,1-dichloroethane	MW-20-6	12/04/2023		303.0	5.0	ug/L
1,1-dichloroethane	MW-20-6	6/06/2024		12.4	1.0	ug/L
1,1-dichloroethane	MW-20-6	12/04/2024		272.0	5.0	ug/L
1,1-dichloroethane	MW-20-6	6/12/2025		235.0	5.0	ug/L
1,2-dichloroethane	MW-20-6	6/22/2021		3.5	1.0	ug/L
1,2-dichloroethane	MW-20-6	12/02/2021		2.7	1.0	ug/L
1,2-dichloroethane	MW-20-6	6/08/2022		3.3	1.0	ug/L
1,2-dichloroethane	MW-20-6	6/06/2023		3.0	1.0	ug/L
1,2-dichloroethane	MW-20-6	12/04/2023		2.8	1.0	ug/L
1,2-dichloroethane	MW-20-6	12/04/2024		2.6	1.0	ug/L
1,2-dichloroethane	MW-20-6	6/12/2025		2.3	1.0	ug/L
1,2-dichloropropane	MW-20-6	6/22/2021		1.9	1.0	ug/L
1,2-dichloropropane	MW-20-6	12/02/2021		1.6	1.0	ug/L
1,2-dichloropropane	MW-20-6	6/08/2022		2.0	1.0	ug/L
1,2-dichloropropane	MW-20-6	6/06/2023		1.9	1.0	ug/L
1,2-dichloropropane	MW-20-6	12/04/2023		1.6	1.0	ug/L
1,2-dichloropropane	MW-20-6	12/04/2024		1.6	1.0	ug/L
1,2-dichloropropane	MW-20-6	6/12/2025		1.5	1.0	ug/L
Benzene	MW-20-6	6/22/2021		1.2	1.0	ug/L
Chlorobenzene	MW-20-6	6/22/2021		4.0	1.0	ug/L
Chlorobenzene	MW-20-6	12/02/2021		3.4	1.0	ug/L
Chlorobenzene	MW-20-6	6/08/2022		3.2	1.0	ug/L
Chlorobenzene	MW-20-6	11/22/2022		3.3	1.0	ug/L
Chlorobenzene	MW-20-6	6/06/2023		3.5	1.0	ug/L
Chlorobenzene	MW-20-6	12/04/2023		3.1	1.0	ug/L
Chlorobenzene	MW-20-6	12/04/2024		2.4	1.0	ug/L
Chlorobenzene	MW-20-6	6/12/2025		2.9	1.0	ug/L
Chloroethane	MW-20-6	6/22/2021		44.0	1.0	ug/L
Chloroethane	MW-20-6	12/02/2021		45.2	1.0	ug/L
Chloroethane	MW-20-6	6/08/2022		37.7	1.0	ug/L
Chloroethane	MW-20-6	11/22/2022		38.8	1.0	ug/L
Chloroethane	MW-20-6	6/06/2023		26.7	1.0	ug/L
Chloroethane	MW-20-6	12/04/2023		26.7	1.0	ug/L
Chloroethane	MW-20-6	12/04/2024		21.6	1.0	ug/L
Chloroethane	MW-20-6	6/12/2025		23.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-6	6/22/2021		90.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-6	12/02/2021		76.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-6	6/08/2022		70.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-6	11/22/2022		71.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-6	6/06/2023		53.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-6	12/04/2023		49.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-6	6/06/2024		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-6	12/04/2024		43.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-6	6/12/2025		56.8	1.0	ug/L
Tetrachloroethylene	MW-20-6	6/22/2021		8.4	1.0	ug/L
Tetrachloroethylene	MW-20-6	12/02/2021		7.1	1.0	ug/L
Tetrachloroethylene	MW-20-6	6/08/2022		6.4	1.0	ug/L
Tetrachloroethylene	MW-20-6	11/22/2022		7.3	1.0	ug/L
Tetrachloroethylene	MW-20-6	6/06/2023		5.9	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Tetrachloroethylene	MW-20-6	12/04/2023		6.5	1.0	ug/L
Tetrachloroethylene	MW-20-6	12/04/2024		7.1	1.0	ug/L
Tetrachloroethylene	MW-20-6	6/12/2025		7.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-6	6/22/2021		5.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-6	12/02/2021		4.1	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-6	6/08/2022		3.9	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-6	11/22/2022		4.1	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-6	6/06/2023		3.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-6	12/04/2023		3.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-6	12/04/2024		2.0	1.0	ug/L
Trichloroethylene	MW-20-6	6/22/2021		17.8	1.0	ug/L
Trichloroethylene	MW-20-6	12/02/2021		16.3	1.0	ug/L
Trichloroethylene	MW-20-6	6/08/2022		14.1	1.0	ug/L
Trichloroethylene	MW-20-6	11/22/2022		15.0	1.0	ug/L
Trichloroethylene	MW-20-6	6/06/2023		12.5	1.0	ug/L
Trichloroethylene	MW-20-6	12/04/2023		12.8	1.0	ug/L
Trichloroethylene	MW-20-6	12/04/2024		10.2	1.0	ug/L
Trichloroethylene	MW-20-6	6/12/2025		10.9	1.0	ug/L
Trichlorofluoromethane	MW-20-6	6/22/2021		12.0	1.0	ug/L
Trichlorofluoromethane	MW-20-6	12/02/2021		6.7	1.0	ug/L
Trichlorofluoromethane	MW-20-6	6/08/2022		9.6	1.0	ug/L
Trichlorofluoromethane	MW-20-6	11/22/2022		6.1	1.0	ug/L
Trichlorofluoromethane	MW-20-6	6/06/2023		6.6	1.0	ug/L
Trichlorofluoromethane	MW-20-6	12/04/2023		12.6	1.0	ug/L
Trichlorofluoromethane	MW-20-6	12/04/2024		8.9	1.0	ug/L
Trichlorofluoromethane	MW-20-6	6/12/2025		13.5	1.0	ug/L
Vinyl chloride	MW-20-6	6/22/2021		6.3	1.0	ug/L
Vinyl chloride	MW-20-6	12/02/2021		7.1	1.0	ug/L
Vinyl chloride	MW-20-6	6/08/2022		3.6	1.0	ug/L
Vinyl chloride	MW-20-6	11/22/2022		6.9	1.0	ug/L
Vinyl chloride	MW-20-6	6/06/2023		5.0	1.0	ug/L
Vinyl chloride	MW-20-6	12/04/2023		5.6	1.0	ug/L
Vinyl chloride	MW-20-6	12/04/2024		2.8	1.0	ug/L
Vinyl chloride	MW-20-6	6/12/2025		3.2	1.0	ug/L
1,1-dichloroethane	MW-22-2	6/22/2021		191	5	ug/L
1,1-dichloroethane	MW-22-2	12/02/2021		249	5	ug/L
1,1-dichloroethane	MW-22-2	6/08/2022		184	10	ug/L
1,1-dichloroethane	MW-22-2	11/22/2022		222	10	ug/L
1,1-dichloroethane	MW-22-2	6/06/2023		186	5	ug/L
1,1-dichloroethane	MW-22-2	12/04/2023		192	1	ug/L
1,1-dichloroethane	MW-22-2	6/06/2024		209	5	ug/L
1,1-dichloroethane	MW-22-2	12/04/2024		198	5	ug/L
1,1-dichloroethane	MW-22-2	6/12/2025		175	5	ug/L
1,2-dichloroethane	MW-22-2	6/22/2021		3.5	1.0	ug/L
1,2-dichloroethane	MW-22-2	12/02/2021		3.3	1.0	ug/L
1,2-dichloroethane	MW-22-2	6/08/2022		4.5	1.0	ug/L
1,2-dichloroethane	MW-22-2	6/06/2023		3.4	1.0	ug/L
1,2-dichloroethane	MW-22-2	12/04/2023		2.9	1.0	ug/L
1,2-dichloroethane	MW-22-2	6/06/2024		3.5	1.0	ug/L
1,2-dichloroethane	MW-22-2	12/04/2024		3.4	1.0	ug/L
1,2-dichloroethane	MW-22-2	6/12/2025		2.9	1.0	ug/L
1,2-dichloropropane	MW-22-2	6/08/2022		1	1	ug/L
1,4-dichlorobenzene	MW-22-2	6/22/2021		1.9	1.0	ug/L
1,4-dichlorobenzene	MW-22-2	12/02/2021		2.1	1.0	ug/L
1,4-dichlorobenzene	MW-22-2	6/08/2022		2.0	1.0	ug/L
1,4-dichlorobenzene	MW-22-2	11/22/2022		1.7	1.0	ug/L
1,4-dichlorobenzene	MW-22-2	6/06/2023		2.2	1.0	ug/L
1,4-dichlorobenzene	MW-22-2	12/04/2023		1.7	1.0	ug/L
1,4-dichlorobenzene	MW-22-2	6/06/2024		2.4	1.0	ug/L
1,4-dichlorobenzene	MW-22-2	12/04/2024		2.0	1.0	ug/L
1,4-dichlorobenzene	MW-22-2	6/12/2025		2.6	1.0	ug/L
Benzene	MW-22-2	6/22/2021		1.7	1.0	ug/L
Benzene	MW-22-2	12/02/2021		1.7	1.0	ug/L
Benzene	MW-22-2	6/08/2022		2.2	1.0	ug/L
Benzene	MW-22-2	11/22/2022		1.9	1.0	ug/L
Benzene	MW-22-2	6/06/2023		1.4	1.0	ug/L
Benzene	MW-22-2	12/04/2023		1.3	1.0	ug/L
Benzene	MW-22-2	6/06/2024		1.3	1.0	ug/L
Chlorobenzene	MW-22-2	6/22/2021		8.8	1.0	ug/L
Chlorobenzene	MW-22-2	12/02/2021		9.2	1.0	ug/L
Chlorobenzene	MW-22-2	6/08/2022		9.1	1.0	ug/L
Chlorobenzene	MW-22-2	11/22/2022		8.4	1.0	ug/L
Chlorobenzene	MW-22-2	6/06/2023		8.6	1.0	ug/L
Chlorobenzene	MW-22-2	12/04/2023		6.8	1.0	ug/L
Chlorobenzene	MW-22-2	6/06/2024		9.8	1.0	ug/L
Chlorobenzene	MW-22-2	12/04/2024		7.0	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chlorobenzene	MW-22-2	6/12/2025		8.9	1.0	ug/L
Chloroethane	MW-22-2	6/22/2021		165.0	5.0	ug/L
Chloroethane	MW-22-2	12/02/2021		187.0	5.0	ug/L
Chloroethane	MW-22-2	6/08/2022		123.0	10.0	ug/L
Chloroethane	MW-22-2	11/22/2022		144.0	10.0	ug/L
Chloroethane	MW-22-2	6/06/2023		124.0	1.0	ug/L
Chloroethane	MW-22-2	12/04/2023		105.0	1.0	ug/L
Chloroethane	MW-22-2	6/06/2024		132.0	1.0	ug/L
Chloroethane	MW-22-2	12/04/2024		98.1	5.0	ug/L
Chloroethane	MW-22-2	6/12/2025		109.0	5.0	ug/L
Cis-1,2-dichloroethylene	MW-22-2	6/22/2021		142.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22-2	12/02/2021		145.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22-2	6/08/2022		139.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22-2	11/22/2022		122.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22-2	6/06/2023		89.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22-2	12/04/2023		83.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22-2	6/06/2024		95.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22-2	12/04/2024		93.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22-2	6/12/2025		109.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-22-2	6/22/2021		3.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-22-2	12/02/2021		3.5	1.0	ug/L
Trans-1,2-dichloroethylene	MW-22-2	6/08/2022		4.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-22-2	6/06/2023		3.3	1.0	ug/L
Trans-1,2-dichloroethylene	MW-22-2	12/04/2023		3.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-22-2	6/06/2024		3.7	1.0	ug/L
Trans-1,2-dichloroethylene	MW-22-2	12/04/2024		3.3	1.0	ug/L
Trans-1,2-dichloroethylene	MW-22-2	6/12/2025		3.6	1.0	ug/L
Trichlorofluoromethane	MW-22-2	12/02/2021		1.3	1.0	ug/L
Vinyl chloride	MW-22-2	6/22/2021		19.3	1.0	ug/L
Vinyl chloride	MW-22-2	12/02/2021		23.4	1.0	ug/L
Vinyl chloride	MW-22-2	6/08/2022		15.5	10.0	ug/L
Vinyl chloride	MW-22-2	6/06/2023		16.0	1.0	ug/L
Vinyl chloride	MW-22-2	12/04/2023		14.0	1.0	ug/L
Vinyl chloride	MW-22-2	6/06/2024		20.0	1.0	ug/L
Vinyl chloride	MW-22-2	12/04/2024		15.1	1.0	ug/L
Vinyl chloride	MW-22-2	6/12/2025		16.1	1.0	ug/L
1,1-dichloroethane	MW-23	12/06/2011		2.4	1.0	ug/L
1,1-dichloroethane	MW-23	12/04/2012		2.9	1.0	ug/L
1,1-dichloroethane	MW-23	6/03/2013		15.1	1.0	ug/L
1,1-dichloroethane	MW-23	12/12/2013		1.8	1.0	ug/L
1,1-dichloroethane	MW-23	6/25/2014		4.3	1.0	ug/L
1,1-dichloroethane	MW-23	12/10/2014		2.4	1.0	ug/L
1,1-dichloroethane	MW-23	6/04/2015		9.1	1.0	ug/L
1,1-dichloroethane	MW-23	12/01/2015		1.6	1.0	ug/L
1,1-dichloroethane	MW-23	6/27/2016		1.6	1.0	ug/L
1,1-dichloroethane	MW-23	11/30/2016		2.5	1.0	ug/L
1,1-dichloroethane	MW-23	6/22/2017		1.1	1.0	ug/L
1,1-dichloroethane	MW-23	11/15/2017		3.1	1.0	ug/L
1,1-dichloroethane	MW-23	6/18/2018		4.6	1.0	ug/L
1,1-dichloroethane	MW-23	11/28/2018		1.5	1.0	ug/L
1,1-dichloroethane	MW-23	6/12/2019		4.2	1.0	ug/L
1,1-dichloroethane	MW-23	12/05/2019		1.7	1.0	ug/L
1,1-dichloroethane	MW-23	12/07/2020		1.8	1.0	ug/L
1,1-dichloroethane	MW-23	6/22/2021		1.6	1.0	ug/L
1,1-dichloroethane	MW-23	12/02/2021		5.6	1.0	ug/L
1,1-dichloroethane	MW-23	6/08/2022		2.0	1.0	ug/L
1,1-dichloroethane	MW-23	11/22/2022		6.2	1.0	ug/L
1,1-dichloroethane	MW-23	6/06/2023		5.0	1.0	ug/L
1,1-dichloroethane	MW-23	12/04/2023		5.9	1.0	ug/L
1,1-dichloroethane	MW-23	6/06/2024		5.2	1.0	ug/L
1,1-dichloroethane	MW-23	12/04/2024		8.4	1.0	ug/L
1,1-dichloroethane	MW-23	6/12/2025		3.2	1.0	ug/L
Acetone	MW-23	6/06/2024		31.2	10.0	ug/L
Benzene	MW-23	6/17/2008		3.9	1.0	ug/L
Benzene	MW-23	12/03/2008		1.1	.0	ug/L
Benzene	MW-23	6/04/2009		1.3	.0	ug/L
Chloroethane	MW-23	12/06/2011		1.1	1.0	ug/L
Chloroethane	MW-23	12/04/2012		2.3	1.0	ug/L
Chloroethane	MW-23	6/03/2013		10.3	1.0	ug/L
Chloroethane	MW-23	12/12/2013		2.7	1.0	ug/L
Chloroethane	MW-23	6/25/2014		4.4	1.0	ug/L
Chloroethane	MW-23	12/10/2014		3.3	1.0	ug/L
Chloroethane	MW-23	6/04/2015		6.5	1.0	ug/L
Chloroethane	MW-23	12/01/2015		2.4	1.0	ug/L
Chloroethane	MW-23	6/27/2016		2.3	1.0	ug/L
Chloroethane	MW-23	11/30/2016		2.9	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chloroethane	MW-23	6/22/2017		3.5	1.0	ug/L
Chloroethane	MW-23	11/15/2017		5.6	1.0	ug/L
Chloroethane	MW-23	6/18/2018		7.5	1.0	ug/L
Chloroethane	MW-23	11/28/2018		3.9	1.0	ug/L
Chloroethane	MW-23	6/12/2019		5.8	1.0	ug/L
Chloroethane	MW-23	12/05/2019		2.4	1.0	ug/L
Chloroethane	MW-23	6/17/2020		1.9	1.0	ug/L
Chloroethane	MW-23	12/07/2020		2.9	1.0	ug/L
Chloroethane	MW-23	6/22/2021		4.4	1.0	ug/L
Chloroethane	MW-23	12/02/2021		8.7	1.0	ug/L
Chloroethane	MW-23	6/08/2022		8.0	1.0	ug/L
Chloroethane	MW-23	11/22/2022		9.6	1.0	ug/L
Chloroethane	MW-23	6/06/2023		7.4	1.0	ug/L
Chloroethane	MW-23	12/04/2023		6.7	1.0	ug/L
Chloroethane	MW-23	6/06/2024		10.6	1.0	ug/L
Chloroethane	MW-23	12/04/2024		15.3	1.0	ug/L
Chloroethane	MW-23	6/12/2025		8.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-23	6/03/2013		2	1	ug/L
Vinyl chloride	MW-23	6/17/2008		2.4	1.0	ug/L
Vinyl chloride	MW-23	12/04/2012		1.3	1.0	ug/L
Vinyl chloride	MW-23	6/03/2013		2.6	1.0	ug/L
Chloromethane	MW-27	12/02/2021		1.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-27	12/02/2021		1.1	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-41	6/08/2022		18	6	ug/L
1,1-dichloroethane	MW-42	6/06/2023		1.4	1.0	ug/L
1,1-dichloroethane	MW-42	12/04/2023		2.1	1.0	ug/L
1,1-dichloroethane	MW-42	6/06/2024		2.0	1.0	ug/L
1,1-dichloroethane	MW-42	12/04/2024		2.8	1.0	ug/L
1,1-dichloroethane	MW-42	6/12/2025		3.6	1.0	ug/L
Chlorobenzene	MW-42	6/06/2023		1.9	1.0	ug/L
Chlorobenzene	MW-42	12/04/2023		1.3	1.0	ug/L
Chlorobenzene	MW-42	6/06/2024		1.3	1.0	ug/L
Chlorobenzene	MW-42	12/04/2024		2.5	1.0	ug/L
Chlorobenzene	MW-42	6/12/2025		2.2	1.0	ug/L
Chloroethane	MW-42	11/22/2022		5.8	1.0	ug/L
Chloroethane	MW-42	6/06/2023		7.8	1.0	ug/L
Chloroethane	MW-42	12/04/2023		2.6	1.0	ug/L
Chloroethane	MW-42	6/06/2024		5.1	1.0	ug/L
Chloroethane	MW-42	12/04/2024		9.7	1.0	ug/L
Chloroethane	MW-42	6/12/2025		6.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-42	11/22/2022		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-42	6/06/2023		3.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-42	12/04/2023		4.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-42	6/06/2024		4.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-42	12/04/2024		7.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-42	6/12/2025		9.3	1.0	ug/L
1,1,1-trichloroethane	MW-7	6/06/1994		.3	.3	ug/L
1,1,1-trichloroethane	MW-7	9/01/1994		.5	.3	ug/L
1,1-dichloroethane	MW-7	12/06/2011		2.5	1.0	ug/L
1,1-dichloroethane	MW-7	6/21/2012		2.3	1.0	ug/L
1,1-dichloroethane	MW-7	12/04/2012		2.2	1.0	ug/L
1,1-dichloroethane	MW-7	6/03/2013		1.9	1.0	ug/L
1,1-dichloroethane	MW-7	9/11/2013		2.0	1.0	ug/L
1,1-dichloroethane	MW-7	12/12/2013		2.5	1.0	ug/L
1,1-dichloroethane	MW-7	6/25/2014		1.8	1.0	ug/L
1,1-dichloroethane	MW-7	12/10/2014		1.6	1.0	ug/L
1,1-dichloroethane	MW-7	6/04/2015		1.6	1.0	ug/L
1,1-dichloroethane	MW-7	12/01/2015		1.1	1.0	ug/L
1,1-dichloroethane	MW-7	6/27/2016		1.3	1.0	ug/L
1,1-dichloroethane	MW-7	6/22/2017		1.0	1.0	ug/L
1,1-dichloroethane	MW-7	11/15/2017		1.9	1.0	ug/L
1,1-dichloroethane	MW-7	11/28/2018		1.0	1.0	ug/L
1,1-dichloroethane	MW-7	12/05/2019		1.4	1.0	ug/L
1,1-dichloroethane	MW-7	12/07/2020		2.5	1.0	ug/L
1,1-dichloroethane	MW-7	6/22/2021		3.1	1.0	ug/L
1,1-dichloroethane	MW-7	12/02/2021		5.0	1.0	ug/L
1,1-dichloroethane	MW-7	6/08/2022		5.6	1.0	ug/L
1,1-dichloroethylene	MW-7	6/12/1998		7.7	1.0	ug/L
1,2-dichloropropane	MW-7	6/04/2015		1.0	1.0	ug/L
1,2-dichloropropane	MW-7	11/15/2017		1.1	1.0	ug/L
1,4-dichlorobenzene	MW-7	12/06/2011		1.5	1.0	ug/L
1,4-dichlorobenzene	MW-7	12/04/2012		1.6	1.0	ug/L
1,4-dichlorobenzene	MW-7	6/03/2013		3.6	1.0	ug/L
1,4-dichlorobenzene	MW-7	9/11/2013		2.5	1.0	ug/L
1,4-dichlorobenzene	MW-7	12/12/2013		1.8	1.0	ug/L
1,4-dichlorobenzene	MW-7	6/25/2014		3.0	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,4-dichlorobenzene	MW-7	12/10/2014		2.2	1.0	ug/L
1,4-dichlorobenzene	MW-7	6/04/2015		1.9	1.0	ug/L
1,4-dichlorobenzene	MW-7	12/01/2015		1.7	1.0	ug/L
1,4-dichlorobenzene	MW-7	6/27/2016		2.0	1.0	ug/L
1,4-dichlorobenzene	MW-7	6/22/2017		2.6	1.0	ug/L
1,4-dichlorobenzene	MW-7	11/15/2017		1.7	1.0	ug/L
1,4-dichlorobenzene	MW-7	11/28/2018		3.6	1.0	ug/L
1,4-dichlorobenzene	MW-7	6/17/2020		6.2	1.0	ug/L
1,4-dichlorobenzene	MW-7	12/07/2020		4.0	1.0	ug/L
1,4-dichlorobenzene	MW-7	6/22/2021		11.2	1.0	ug/L
1,4-dichlorobenzene	MW-7	12/02/2021		3.7	1.0	ug/L
1,4-dichlorobenzene	MW-7	6/08/2022		4.7	1.0	ug/L
Benzene	MW-7	12/02/1993		1.7	1.0	ug/L
Benzene	MW-7	3/29/1994		1.4	1.0	ug/L
Benzene	MW-7	6/06/1994		1.3	1.0	ug/L
Benzene	MW-7	9/01/1994		1.4	1.0	ug/L
Benzene	MW-7	6/21/1995		1.6	1.0	ug/L
Benzene	MW-7	12/12/1995		1.2	1.0	ug/L
Benzene	MW-7	6/14/1996		1.0	.3	ug/L
Benzene	MW-7	12/10/1996		1.1	1.0	ug/L
Benzene	MW-7	6/28/2004		.8	.3	ug/L
Benzene	MW-7	6/06/2005		.8	.3	ug/L
Benzene	MW-7	12/18/2007		1.1	1.0	ug/L
Benzene	MW-7	6/18/2008		1.7	1.0	ug/L
Benzene	MW-7	6/18/2008		1.7	1.0	ug/L
Benzene	MW-7	6/04/2009		1.2	.0	ug/L
Benzene	MW-7	12/17/2009		1.1	1.0	ug/L
Benzene	MW-7	12/17/2009		1.1	.0	ug/L
Benzene	MW-7	6/28/2010		1.2	.0	ug/L
Benzene	MW-7	6/28/2010		1.2	1.0	ug/L
Benzene	MW-7	6/27/2016		1.5	1.0	ug/L
Benzene	MW-7	6/22/2017		1.0	1.0	ug/L
Benzene	MW-7	6/12/2019		1.8	1.0	ug/L
Benzene	MW-7	12/05/2019		1.2	1.0	ug/L
Benzene	MW-7	6/17/2020		2.0	1.0	ug/L
Benzene	MW-7	12/07/2020		1.0	1.0	ug/L
Benzene	MW-7	6/22/2021		1.4	1.0	ug/L
Benzene	MW-7	12/02/2021		1.2	1.0	ug/L
Benzene	MW-7	6/08/2022		1.4	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-7	12/12/2013		18	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-7	11/30/2016		16	10	ug/L
Bis(2-ethylhexyl) phthalate	MW-7	11/15/2017		11	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-7	11/28/2018		25	6	ug/L
Chlorobenzene	MW-7	12/06/2011		1.0	1.0	ug/L
Chlorobenzene	MW-7	12/04/2012		1.1	1.0	ug/L
Chlorobenzene	MW-7	6/03/2013		1.3	1.0	ug/L
Chlorobenzene	MW-7	9/11/2013		1.6	1.0	ug/L
Chlorobenzene	MW-7	12/12/2013		1.3	1.0	ug/L
Chlorobenzene	MW-7	12/10/2014		1.7	1.0	ug/L
Chlorobenzene	MW-7	6/04/2015		1.9	1.0	ug/L
Chlorobenzene	MW-7	12/01/2015		1.8	1.0	ug/L
Chlorobenzene	MW-7	6/27/2016		1.8	1.0	ug/L
Chlorobenzene	MW-7	11/30/2016		1.6	1.0	ug/L
Chlorobenzene	MW-7	6/22/2017		1.8	1.0	ug/L
Chlorobenzene	MW-7	11/15/2017		2.0	1.0	ug/L
Chlorobenzene	MW-7	11/28/2018		2.0	1.0	ug/L
Chlorobenzene	MW-7	6/12/2019		1.5	1.0	ug/L
Chlorobenzene	MW-7	12/05/2019		2.0	1.0	ug/L
Chlorobenzene	MW-7	6/17/2020		2.4	1.0	ug/L
Chlorobenzene	MW-7	12/07/2020		2.5	1.0	ug/L
Chlorobenzene	MW-7	6/22/2021		3.1	1.0	ug/L
Chlorobenzene	MW-7	12/02/2021		2.5	1.0	ug/L
Chlorobenzene	MW-7	6/08/2022		2.7	1.0	ug/L
Chloroethane	MW-7	12/06/2011		12.1	1.0	ug/L
Chloroethane	MW-7	6/21/2012		10.6	1.0	ug/L
Chloroethane	MW-7	12/04/2012		9.8	1.0	ug/L
Chloroethane	MW-7	6/03/2013		14.5	1.0	ug/L
Chloroethane	MW-7	9/11/2013		13.5	1.0	ug/L
Chloroethane	MW-7	12/12/2013		9.7	1.0	ug/L
Chloroethane	MW-7	6/25/2014		13.7	1.0	ug/L
Chloroethane	MW-7	12/10/2014		16.0	1.0	ug/L
Chloroethane	MW-7	6/04/2015		16.9	1.0	ug/L
Chloroethane	MW-7	12/01/2015		14.4	1.0	ug/L
Chloroethane	MW-7	6/27/2016		14.6	1.0	ug/L
Chloroethane	MW-7	11/30/2016		14.0	1.0	ug/L
Chloroethane	MW-7	6/22/2017		13.6	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
Chloroethane	MW-7	11/15/2017		16.4	1.0	ug/L
Chloroethane	MW-7	6/18/2018		10.7	1.0	ug/L
Chloroethane	MW-7	11/28/2018		12.0	1.0	ug/L
Chloroethane	MW-7	6/12/2019		16.2	1.0	ug/L
Chloroethane	MW-7	12/05/2019		14.7	1.0	ug/L
Chloroethane	MW-7	6/17/2020		15.2	1.0	ug/L
Chloroethane	MW-7	12/07/2020		14.2	1.0	ug/L
Chloroethane	MW-7	6/22/2021		14.7	1.0	ug/L
Chloroethane	MW-7	12/02/2021		18.4	1.0	ug/L
Chloroethane	MW-7	6/08/2022		16.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	12/06/2011		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	6/21/2012		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	12/04/2012		3.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	6/03/2013		4.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	9/11/2013		3.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	12/12/2013		3.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	6/25/2014		4.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	12/10/2014		5.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	6/04/2015		5.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	12/01/2015		4.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	6/27/2016		6.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	11/30/2016		6.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	6/22/2017		6.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	11/15/2017		8.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	6/18/2018		6.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	11/28/2018		9.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	6/12/2019		3.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	12/05/2019		7.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	6/17/2020		12.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	12/07/2020		9.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	6/22/2021		13.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	12/02/2021		16.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	6/08/2022		18.6	1.0	ug/L
Dichlorodifluoromethane	MW-7	9/11/2013		1.2	1.0	ug/L
Dichlorodifluoromethane	MW-7	12/12/2013		1.5	1.0	ug/L
Dichlorodifluoromethane	MW-7	6/25/2014		1.1	1.0	ug/L
Dichlorodifluoromethane	MW-7	12/10/2014		1.1	1.0	ug/L
Dichlorodifluoromethane	MW-7	6/04/2015		1.4	1.0	ug/L
Dichlorodifluoromethane	MW-7	11/15/2017		1.2	1.0	ug/L
Dichlorodifluoromethane	MW-7	6/12/2019		1.7	1.0	ug/L
Dichlorodifluoromethane	MW-7	12/05/2019		2.1	1.0	ug/L
Tetrachloroethylene	MW-7	6/03/2013		3.2	1.0	ug/L
Tetrachloroethylene	MW-7	6/25/2014		6.6	1.0	ug/L
Trichloroethylene	MW-7	12/02/1993		4.9	1.0	ug/L
Trichloroethylene	MW-7	3/29/1994		4.1	1.0	ug/L
Trichloroethylene	MW-7	6/06/1994		4.0	1.0	ug/L
Trichloroethylene	MW-7	9/01/1994		4.3	1.0	ug/L
Trichloroethylene	MW-7	6/21/1995		4.1	1.0	ug/L
Trichloroethylene	MW-7	12/12/1995		2.1	1.0	ug/L
Trichloroethylene	MW-7	6/14/1996		4.0	1.0	ug/L
Trichloroethylene	MW-7	12/10/1997		2.9	1.0	ug/L
Trichloroethylene	MW-7	6/12/1998		2.1	1.0	ug/L
Trichloroethylene	MW-7	12/15/1999		1.9	1.0	ug/L
Trichloroethylene	MW-7	6/22/2000		1.9	1.0	ug/L
Trichloroethylene	MW-7	12/05/2000		1.9	1.0	ug/L
Trichloroethylene	MW-7	12/18/2001		1.0	1.0	ug/L
Trichloroethylene	MW-7	6/28/2004		.4	.3	ug/L
Trichloroethylene	MW-7	6/06/2005		.6	.4	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

VOC Assessment Statistics

Table 1

**Confidence Intervals for Comparing the Mean of the Last
4 Measurements to an Assessment Monitoring Standard**

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
1,1-dichloroethane	ug/L	MW-23	4	5.675	2.147	1.176	3.150	8.200	140.000	inc
Chlorobenzene	ug/L	MW-23	4	0.500	0.000	1.176	0.500	0.500	100.000	
Chloroethane	ug/L	MW-23	4	10.350	3.665	1.176	6.039	14.661	2800.000	
Cis-1,2-dichloroethylene	ug/L	MW-23	4	0.500	0.000	1.176	0.500	0.500	70.000	
1,1-dichloroethane	ug/L	MW-42	4	2.625	0.741	1.176	1.753	3.497	140.000	
Chlorobenzene	ug/L	MW-42	4	1.825	0.618	1.176	1.098	2.552	100.000	
Chloroethane	ug/L	MW-42	4	6.075	2.992	1.176	2.556	9.594	2800.000	
Cis-1,2-dichloroethylene	ug/L	MW-42	4	6.225	2.496	1.176	3.289	9.161	70.000	

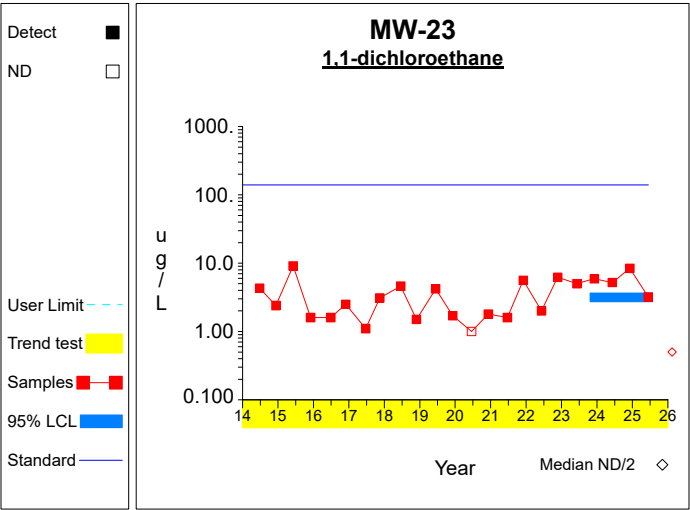
* - Insufficient Data

** - Significant Exceedance

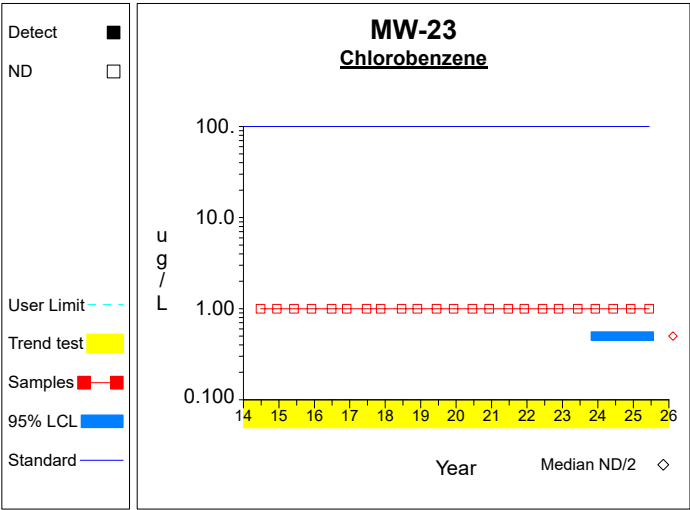
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

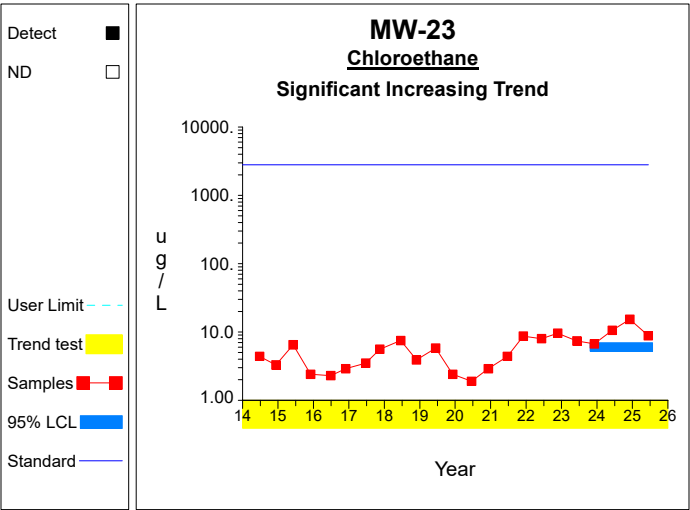
Confidence Limits (Assessment)



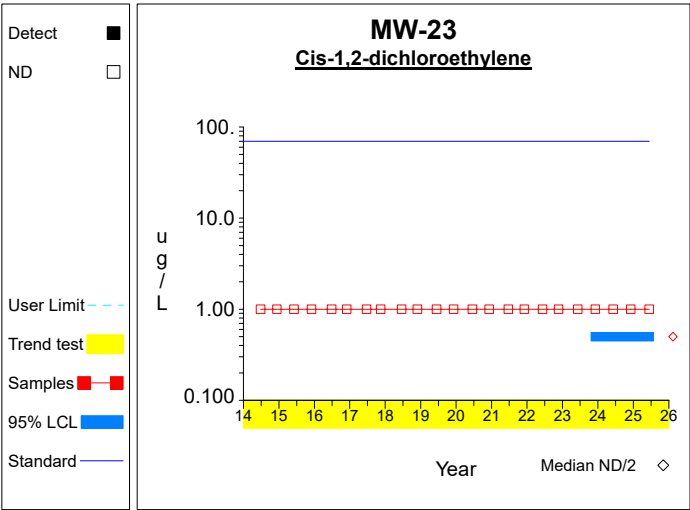
Graph 1



Graph 2

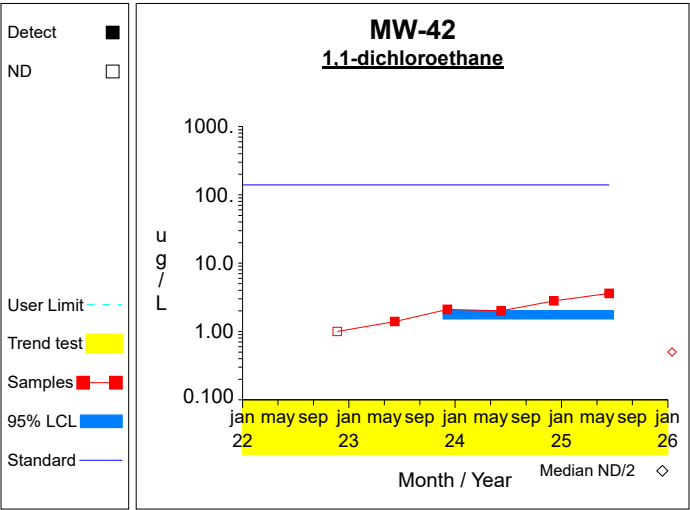


Graph 3

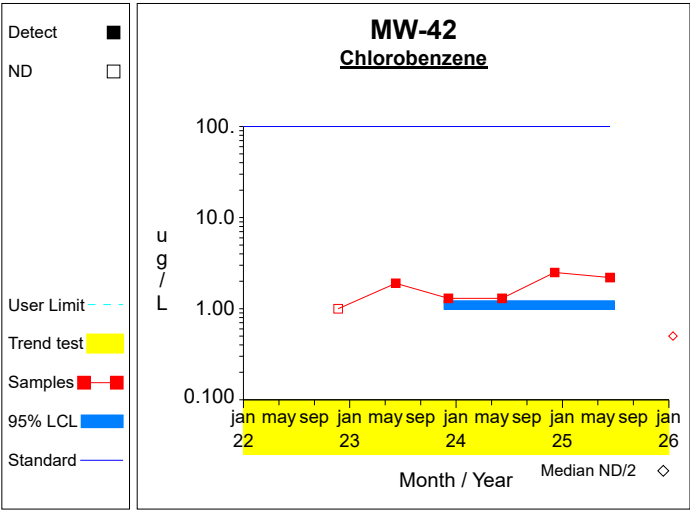


Graph 4

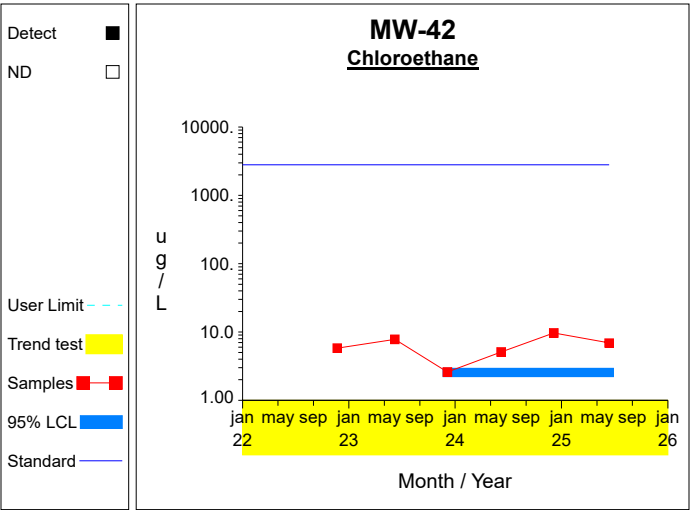
Confidence Limits (Assessment)



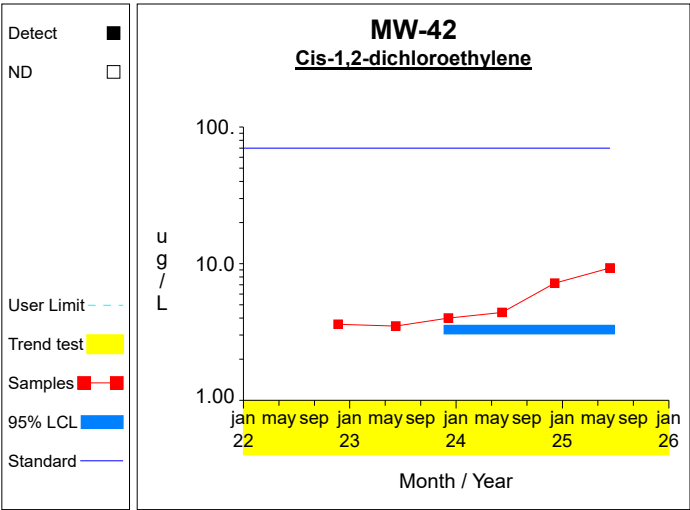
Graph 5



Graph 6



Graph 7



Graph 8

APPENDIX B.2 – 2nd Statistical Evaluation

GROUND WATER STATISTICS
FOR THE
IOWA COUNTY SANITARY LANDFILL

Second Semi-Annual Monitoring Event in 2025

Prepared for:
Iowa County Sanitary Landfill
3369 Highway 6 Trl
Homestead, Iowa County, IA

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INTRODUCTION

This report summarizes the statistical analysis for evaluating the groundwater quality data obtained during the second semi-annual monitoring event in 2025 at the Iowa County Sanitary Landfill in Homestead, Iowa County, Iowa. The plan was designed to detect a release from the facility at the earliest indication so that it is protective of human health and the environment. The interwell methodology is described and then applied to the Iowa County Landfill data. The statistical plan conforms with IAC 567, Chapter 113.10, USEPA Guidance document (“*Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Unified Guidance*”, March 2009), and the American Society for Testing and Materials (ASTM) standard D6312-98, *Developing Appropriate Statistical Approaches for Ground-Water Detection Monitoring Programs*.

Ground Water Monitoring Program

The groundwater monitoring network for Iowa County Sanitary Landfill Area A includes MW-27 (upgradient), MW-28 (upgradient), MW-29D, MW-40, MW-41, MW-42, and GU-2. The closed portion of the landfill is monitored by ground water wells MW-11 (upgradient), MW-13 (upgradient), MW-15, MW-16, MW-18, and MW-23. Groundwater wells MW-30 and MW-43 and underdrains GU-4 and GU-5 were recently added for downgradient monitoring. Each of the groundwater monitoring wells is to be sampled at least semiannually and analyzed for the detection monitoring parameters listed in 113.10(5), which includes 15 inorganic constituents and 47 organic compounds, summarized in Table 1 below.

Table 1: Detection monitoring constituents listed in Appendix I of IAC 567, Chapter 113.

Organic Compounds:

Acetone	<i>trans</i> -1,4-Dichloro-2-butene	Iodomethane
Acrylonitrile	1,1-Dichloroethane	4-Methyl-2-pentanone
Benzene	1,2-Dichloroethane	Styrene
Bromochloromethane	1,1-Dichloroethene	1,1,1,2-Tetrachloroethane
Bromodichloromethane	<i>cis</i> -1,2-Dichloroethene	1,1,2,2-Tetrachloroethane
Bromoform	<i>trans</i> -1,2-Dichloroethene	Tetrachloroethene
Carbon disulfide	1,2-Dichloropropane	Toluene
Carbon tetrachloride	<i>cis</i> -1,3-Dichloropropene	1,1,1-Trichloroethane
Chlorobenzene	<i>trans</i> -1,3-Dichloropropene	1,1,2-Trichloroethane
Chloroethane	Ethylbenzene	Trichloroethene
Chloroform	2-Hexanone	Trichlorofluoromethane
Dibromochloromethane	Bromomethane	1,2,3-Trichloropropane
1,2-Dibromo-3-chloropropane	Chloromethane	Vinyl acetate
1,2-Dibromoethane	Dibromomethane	Vinyl chloride
1,2-Dichlorobenzene	Methylene chloride	Xylenes (Total)
1,4-Dichlorobenzene	2-Butanone	

Inorganic constituents:

Antimony, Total	Chromium, Total	Selenium, Total
Arsenic, Total	Cobalt, Total	Silver, Total
Barium, Total	Copper, Total	Thallium, Total
Beryllium, Total	Lead, Total	Vanadium, Total
Cadmium, Total	Nickel, Total	Zinc, Total

The ground water data obtained during the second semi-annual monitoring event in 2025 are summarized in Attachment A.

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

IAC 567, Chapter 113.10(4) provides several options for statistically evaluating the ground water data at those wells that monitor the open cells or contiguous MSWLF units. The preferred methods for comparing ground water data are using either prediction limits or using control charts. The interwell method was applied to the Iowa County Landfill data using the DUMPStat® statistical program. DUMPStat® (Discerning Systems, Inc., Burnaby, BC) is a program for the statistical analysis of groundwater monitoring data using methods described in “Statistical Methods for Groundwater Monitoring” by Dr. Robert D. Gibbons. The DUMPStat program is completely consistent with all USEPA regulations and guidance and the ASTM D6312-98 guidance. 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 background has been completed, the nonparametric prediction limits will be used.

Results of the Interwell Statistics

The background data used in this statistical analysis includes the ground water data collected from ground water wells MW-27, MW-28, MW-29, MW-11, and MW-13 during the period from December 2014 through the current data. Well MW-29 is hydraulically downgradient but was included in the background because it is several hundred feet from waste and is unimpacted. Well MW-29D will be used to monitor downgradient of the landfill. A summary of the background data from these monitoring wells 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 sample points MW-40, MW-41, MW-42, MW-15, MW-16, MW-18, MW-23, MW-30, MW-43, and GU-6 compared to the site prediction limits. Prediction limit exceedances would be 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 during the Second Semi-Annual Monitoring Event in 2025

Well	Trace Metal Detected	Result, µg/L	Prediction Limit, µg/L	Prediction Limit Type	Verified/ Awaiting verification
MW-23	Copper	18.8	14.3	Nonparametric	Awaiting verification
MW-41	Chromium	10.3	8.0	Nonparametric	Awaiting verification

The detection frequency of the parameters in the up and down gradient monitoring wells is summarized in Table 3. 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. The VOCs detected in the ground water at Iowa County Landfill during the second semi-annual monitoring event in 2025 are summarized in the table below.

VOCs Detected during the Second Semi-Annual Monitoring Event in 2025

Sample Point	VOC	Result	Reporting Limit	Verified/Awaiting Verification	GWPS
MW-23	1,1-Dichloroethane	5.4	1	Verified	140 ^b
	Chloroethane	12.8	1	Verified	2800 ^b
MW-42	1,1-Dichloroethane	2.5	1	Verified	140 ^b
	Chlorobenzene	2.7	1	Verified	100 ^a
	Chloroethane	10.0	1	Verified	2800 ^b
	cis-1,2-Dichloroethene	10.1	1	Verified	70 ^a

a - USEPA MCL, b – Iowa Statewide Standard

Historical VOC detections are summarized in Attachment D. The verified VOC detections were evaluated against the ground water protection standards (GWPS) using confidence limits calculated in accordance with the Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, USEPA, March 2009 (Attachment E). 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 LCLs are below the GWPS or there is insufficient data to compute.

Attachment A

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

Table 1

Analytical Data Summary for 12/9/2025

Constituents	Units	GU-6	MW-11	MW-15	MW-16	MW-18	MW-20-2	MW-20-6	MW-22-2	MW-23	MW-28
(3,4)-methylphenol	ug/L			<8							
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	148.0	196.0	139.0	5.4	<1.0
1,1-dichloroethylene	ug/L	<1	<1	<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	<1
1,2,4,5-tetrachlorobenzene	ug/L			<8							
1,2,4-trichlorobenzene	ug/L			<1							
1,2-dibromo-3-chloropropane	ug/L	<5	<5	<1	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.2	2.8	<1.0	<1.0
1,2-dichloropropane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.6	<1.0	<1.0	<1.0
1,2-dinitrobenzene	ug/L			<8							
1,3,5-trinitrobenzene	ug/L			<8							
1,3-dichlorobenzene	ug/L			<1							
1,3-dichloropropane	ug/L			<1							
1,3-dinitrobenzene	ug/L			<8							
1,4-dichlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	2.5	<1.0	<1.0
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	<10	<10	<5	<10	<10	<10	<10	<10	<10	<10
2-chloronaphthalene	ug/L			<8							
2-chlorophenol	ug/L			<8							
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene	ug/L			<8							
2-methylphenol	ug/L			<8							
2-naphthylamine	ug/L			<8							
2-nitroaniline	ug/L			<8							
2-nitrophenol	ug/L			<8							
3,3'-dichlorobenzidine	ug/L			<8							
3,3'-dimethylbenzidine	ug/L			<8							
3-methylcholanthrene	ug/L			<8							
3-nitroaniline	ug/L			<8							
4,4'-ddd	ug/L			<.05							
4,4'-dde	ug/L			<.05							
4,4'-ddt	ug/L			<.05							
4,6-dinitro-2-methylphenol	ug/L			<8							
4-aminobiphenyl	ug/L			<8							
4-bromophenyl phenyl ether	ug/L			<8							
4-chloro-3-methylphenol	ug/L			<8							
4-chloroaniline	ug/L			<8							
4-chlorophenyl phenyl ether	ug/L			<8							
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<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	<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	<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 1

Analytical Data Summary for 12/9/2025

Constituents	MW-30	MW-40	MW-41	MW-42	MW-43
(3,4)-methylphenol					
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1
1,1-dichloroethane	<1.0	<1.0	<1.0	2.5	<1.0
1,1-dichloroethylene	<1	<1	<1	<1	<1
1,1-dichloropropene					
1,2,3-trichloropropane	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene					
1,2,4-trichlorobenzene					
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1
1,2-dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-dinitrobenzene					
1,3,5-trinitrobenzene					
1,3-dichlorobenzene					
1,3-dichloropropane					
1,3-dinitrobenzene					
1,4-dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-naphthoquinone					
1,4-phenylenediamine					
1-naphthylamine					
2,2-dichloropropane					
2,3,4,6-tetrachlorophenol					
2,4,5-t					
2,4,5-tp (silvex)					
2,4,5-trichlorophenol					
2,4,6-trichlorophenol					
2,4-d					
2,4-dichlorophenol					
2,4-dimethylphenol					
2,4-dinitrophenol					
2,4-dinitrotoluene					
2,6-dichlorophenol					
2,6-dinitrotoluene					
2-acetylaminofluorene					
2-butanone (mek)	<10	<10	<10	<10	<10
2-chloronaphthalene					
2-chlorophenol					
2-hexanone (mbk)	<5	<5	<5	<5	<5
2-methylnaphthalene					
2-methylphenol					
2-naphthylamine					
2-nitroaniline					
2-nitrophenol					
3,3'-dichlorobenzidine					
3,3'-dimethylbenzidine					
3-methylcholanthrene					
3-nitroaniline					
4,4'-ddd					
4,4'-dde					
4,4'-ddt					
4,6-dinitro-2-methylphenol					
4-aminobiphenyl					
4-bromophenyl phenyl ether					
4-chloro-3-methylphenol					
4-chloroaniline					
4-chlorophenyl phenyl ether					
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5
4-nitroaniline					
4-nitrophenol					
5-nitro-o-toluidine					
7,12-dimethylbenz(a)anthracene					
Acenaphthene					
Acenaphthylene					
Acetone	<10	<10	<10	<10	<10
Acetonitrile					
Acetophenone					
Acrolein					
Acrylonitrile	<5	<5	<5	<5	<5
Aldrin					
Allyl chloride					
Alpha-bhc					
Anthracene					

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

Table 1

Analytical Data Summary for 12/9/2025

Constituents	Units	GU-6	MW-11	MW-15	MW-16	MW-18	MW-20-2	MW-20-6	MW-22-2	MW-23	MW-28
Antimony, total	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Arochlor 1016	ug/L			<2							
Arochlor 1221	ug/L			<2							
Arochlor 1232	ug/L			<2							
Arochlor 1242	ug/L			<2							
Arochlor 1248	ug/L			<2							
Arochlor 1254	ug/L			<2							
Arochlor 1260	ug/L			<2							
Arsenic, total	ug/L	<2.0	6.6	5.5	<2.0	<2.0	<2.0	<2.0	2.4	8.9	<2.0
Azobenzene	ug/L			<8							
Barium, total	ug/L	71.3	245.0	38.0	39.7	315.0	216.0	238.0	311.0	207.0	133.0
Benzene	ug/L	<1	<1	<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	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
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	<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							
Cadmium, total	ug/L	.2	1.3	.5	.3	.4	.7	.4	.4	1.0	11.7
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							
Chlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	3.4	2.9	8.4	<1.0	<1.0
Chlorobenzilate	ug/L			<8							
Chloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	23.0	22.6	105.0	12.8	<1.0
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							
Chromium, total	ug/L	<1.0	1.9	<1.0	<1.0	1.1	<1.0	2.0	1.7	1.1	1.4
Chrysene	ug/L			<8							
Cis-1,2-dichloroethylene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	22.4	42.9	70.4	<1.0	<1.0
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.5	.5	2.4	1.7	<.5	1.0	.5	1.5	3.2	<.5
Copper, total	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	18.8	12.4
Cyanide, total	mg/L			<.01							
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	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L			<1							
Dieldrin	ug/L			<.05							
Diethyl phthalate	ug/L			<8							
Dimethoate	ug/L			<.4							
Dimethylphthalate	ug/L			<8							
Di-n-butyl phthalate	ug/L			<8							
Di-n-octyl phthalate	ug/L			<8							
Dinoseb	ug/L			<.5							
Diphenylamine	ug/L			<8							
Disulfoton	ug/L			<.4							
Endosulfan i	ug/L			<.05							
Endosulfan ii	ug/L			<.05							
Endosulfan sulfate	ug/L			<.05							
Endrin	ug/L			<.05							
Endrin aldehyde	ug/L			<.05							
Ethyl methacrylate	ug/L			<10							
Ethyl methanesulfonate	ug/L			<8							
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	ug/L			<.4							
Fluoranthene	ug/L			<8							
Fluorene	ug/L			<8							
Gamma-bhc (lindane)	ug/L			<.05							
Heptachlor	ug/L			<.05							
Heptachlor epoxide	ug/L			<.05							
Hexachlorobenzene	ug/L			<.05							

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

Table 1

Analytical Data Summary for 12/9/2025

Constituents	MW-30	MW-40	MW-41	MW-42	MW-43
Antimony, total	<1	<1	<1	<1	<1
Arochlor 1016					
Arochlor 1221					
Arochlor 1232					
Arochlor 1242					
Arochlor 1248					
Arochlor 1254					
Arochlor 1260					
Arsenic, total	<2.0	<2.0	<2.0	<2.0	<2.0
Azobenzene					
Barium, total	28.8	41.0	103.0	405.0	19.2
Benzene	<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	<.5	<.5	<.5	<.5	<.5
Beta-bhc					
Bis (2-chloroethoxy) methane					
Bis(2-chloroethyl) ether					
Bis(2-chloroisopropyl) ether					
Bis(2-ethylhexyl) phthalate					
Bromochloromethane	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1
Butyl benzyl phthalate					
Cadmium, total	2.5	.3	.2	.3	.8
Carbon disulfide	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1
Chlordane					
Chlorobenzene	<1.0	<1.0	<1.0	2.7	<1.0
Chlorobenzilate					
Chloroethane	<1.0	<1.0	<1.0	10.0	<1.0
Chloroform	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1
Chloroprene					
Chromium, total	<1.0	1.2	10.3	1.0	<1.0
Chrysene					
Cis-1,2-dichloroethylene	<1.0	<1.0	<1.0	10.1	<1.0
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1
Cobalt, total	<.5	1.8	<.5	3.4	6.3
Copper, total	<5.0	<5.0	<5.0	<5.0	<5.0
Cyanide, total					
Delta-bhc					
Diallate					
Dibenzo(a,h)anthracene					
Dibenzofuran					
Dibromochloromethane	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1
Dichlorodifluoromethane					
Dieldrin					
Diethyl phthalate					
Dimethoate					
Dimethylphthalate					
Di-n-butyl phthalate					
Di-n-octyl phthalate					
Dinoseb					
Diphenylamine					
Disulfoton					
Endosulfan i					
Endosulfan ii					
Endosulfan sulfate					
Endrin					
Endrin aldehyde					
Ethyl methacrylate					
Ethyl methanesulfonate					
Ethylbenzene	<1	<1	<1	<1	<1
Famphur					
Fluoranthene					
Fluorene					
Gamma-bhc (lindane)					
Heptachlor					
Heptachlor epoxide					
Hexachlorobenzene					

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

Table 1

Analytical Data Summary for 12/9/2025

Constituents	Units	GU-6	MW-11	MW-15	MW-16	MW-18	MW-20-2	MW-20-6	MW-22-2	MW-23	MW-28
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	mg/L			<1							
Isodrin	ug/L			<8							
Isophorone	ug/L			<8							
Isosafrole	ug/L			<8							
Kepone	ug/L			<8							
Lead, total	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Mercury, total	ug/L			<.5							
Methacrylonitrile	ug/L			<1							
Methapyrilene	ug/L			<8							
Methoxychlor	ug/L			<.05							
Methyl iodide	ug/L	<1	<1	<2	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate	ug/L			<1							
Methyl methanesulfonate	ug/L			<8							
Methyl parathion	ug/L			<.4							
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	ug/L			<8							
Nickel, total	ug/L	5.9	<5.0	7.6	8.1	<5.0	12.2	<5.0	10.1	20.0	5.6
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							
O-toluidine	ug/L			<8							
Parathion	ug/L			<.4							
P-dimethylaminoazobenzene	ug/L			<8							
Pentachlorobenzene	ug/L			<8							
Pentachloronitrobenzene (pcnb)	ug/L			<8							
Pentachlorophenol	ug/L			<8							
Phenacetin	ug/L			<8							
Phenanthrene	ug/L			<8							
Phenol	ug/L			<8							
Phorate	ug/L			<.4							
Pronamide	ug/L			<8							
Propionitrile	ug/L			<10							
Pyrene	ug/L			<8							
Safrole	ug/L			<8							
Selenium, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Silver, total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L			.32							
Tetrachloroethylene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	7.4	<1.0	<1.0	<1.0
Thallium, total	ug/L	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Thionazin	ug/L			<.4							
Tin, total	ug/L			<.5							
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L			<.2							
Trans-1,2-dichloroethylene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	2.1	1.8	3.4	<1.0	<1.0
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	10.1	<1.0	<1.0	<1.0
Trichlorofluoromethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	12.2	<1.0	<1.0	<1.0
Vanadium, total	ug/L	<2.0	3.6	<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	<5
Vinyl chloride	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	2.5	1.8	15.0	<1.0	<1.0
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	8.7	9.8	7.0	5.3	7.4	6.9	7.8	8.1	10.1	11.2

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

Table 1

Analytical Data Summary for 12/9/2025

Constituents	MW-30	MW-40	MW-41	MW-42	MW-43
Hexachlorobutadiene					
Hexachlorocyclopentadiene					
Hexachloroethane					
Hexachloropropene					
Indeno(1,2,3-cd)pyrene					
Isobutanol					
Isodrin					
Isophorone					
Isosafrole					
Kepone					
Lead, total	<1	<1	<1	<1	<1
Mercury, total					
Methacrylonitrile					
Methapyrilene					
Methoxychlor					
Methyl iodide	<1	<1	<1	<1	<1
Methyl methacrylate					
Methyl methanesulfonate					
Methyl parathion					
Methylene chloride	<5	<5	<5	<5	<5
Naphthalene					
Nickel, total	<5.0	5.4	<5.0	11.9	15.3
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	<2	<2	<2	<2
Silver, total	<5	<5	<5	<5	<5
Styrene	<1	<1	<1	<1	<1
Sulfide, total					
Tetrachloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0
Thallium, total	<.5	<.5	<.5	<.5	<.5
Thionazin					
Tin, total					
Toluene	<1	<1	<1	<1	<1
Toxaphene					
Trans-1,2-dichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5
Trichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium, total	<2.0	<2.0	<2.0	<2.0	<2.0
Vinyl acetate	<5	<5	<5	<5	<5
Vinyl chloride	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, total	<2	<2	<2	<2	<2
Zinc, total	7.6	5.1	<5.0	5.4	8.2

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

Table 2

Analytical Data Summary for 12/10/2025

Constituents	Units	MW-13
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	<1
Arsenic, total	ug/L	<2
Barium, total	ug/L	107
Benzene	ug/L	<1
Beryllium, total	ug/L	<.5
Bromochloromethane	ug/L	<1
Bromodichloromethane	ug/L	<1
Bromoform	ug/L	<1
Bromomethane	ug/L	<1
Cadmium, total	ug/L	.6
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	2.2
Cis-1,2-dichloroethylene	ug/L	<1
Cis-1,3-dichloropropene	ug/L	<1
Cobalt, total	ug/L	1
Copper, total	ug/L	<5
Dibromochloromethane	ug/L	<1
Dibromomethane	ug/L	<1
Ethylbenzene	ug/L	<1
Lead, total	ug/L	<1
Methyl iodide	ug/L	<1
Methylene chloride	ug/L	<5
Nickel, total	ug/L	16.2
Selenium, total	ug/L	<2
Silver, total	ug/L	<5
Styrene	ug/L	<1
Tetrachloroethylene	ug/L	<1
Thallium, total	ug/L	<.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	<2
Vinyl acetate	ug/L	<5
Vinyl chloride	ug/L	<1
Xylenes, total	ug/L	<2
Zinc, total	ug/L	10.2

* - 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	12/10/2014	ND	2.0000		
Antimony, total	ug/L	MW-11	03/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-11	06/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-11	09/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-11	12/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-11	06/27/2016	ND	2.0000		
Antimony, total	ug/L	MW-11	11/30/2016	ND	2.0000		
Antimony, total	ug/L	MW-11	06/22/2017	ND	2.0000		
Antimony, total	ug/L	MW-11	11/15/2017	ND	2.0000		
Antimony, total	ug/L	MW-11	06/18/2018	ND	2.0000		
Antimony, total	ug/L	MW-11	11/28/2018	ND	2.0000		
Antimony, total	ug/L	MW-11	06/12/2019	ND	2.0000		
Antimony, total	ug/L	MW-11	12/05/2019	ND	2.0000		
Antimony, total	ug/L	MW-11	06/17/2020	ND	2.0000		
Antimony, total	ug/L	MW-11	12/07/2020	ND	2.0000		
Antimony, total	ug/L	MW-11	06/22/2021	ND	2.0000		
Antimony, total	ug/L	MW-11	12/02/2021	ND	2.0000		
Antimony, total	ug/L	MW-11	06/08/2022	ND	2.0000		
Antimony, total	ug/L	MW-11	11/22/2022	ND	2.0000		
Antimony, total	ug/L	MW-11	06/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-11	12/04/2023	ND	2.0000		
Antimony, total	ug/L	MW-11	06/06/2024	ND	2.0000		
Antimony, total	ug/L	MW-11	12/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-11	06/12/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-11	12/09/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-11	12/10/2014		6.1000		
Arsenic, total	ug/L	MW-11	03/04/2015	ND	4.0000		
Arsenic, total	ug/L	MW-11	06/04/2015	ND	4.0000		
Arsenic, total	ug/L	MW-11	09/01/2015		6.4000		
Arsenic, total	ug/L	MW-11	12/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-11	06/27/2016		7.2000		
Arsenic, total	ug/L	MW-11	11/30/2016	ND	4.0000		
Arsenic, total	ug/L	MW-11	06/22/2017		12.6000		
Arsenic, total	ug/L	MW-11	11/15/2017	ND	4.0000		
Arsenic, total	ug/L	MW-11	06/18/2018		7.0000		
Arsenic, total	ug/L	MW-11	11/28/2018		4.7000		
Arsenic, total	ug/L	MW-11	06/12/2019		4.2000		
Arsenic, total	ug/L	MW-11	12/05/2019		4.4000		
Arsenic, total	ug/L	MW-11	06/17/2020	ND	4.0000		
Arsenic, total	ug/L	MW-11	12/07/2020	ND	4.0000		
Arsenic, total	ug/L	MW-11	06/22/2021	ND	4.0000		
Arsenic, total	ug/L	MW-11	12/02/2021	ND	4.0000		
Arsenic, total	ug/L	MW-11	06/08/2022		6.9000		
Arsenic, total	ug/L	MW-11	11/22/2022	ND	4.0000		
Arsenic, total	ug/L	MW-11	06/06/2023		6.3000		
Arsenic, total	ug/L	MW-11	12/04/2023		4.7000		
Arsenic, total	ug/L	MW-11	06/06/2024		34.4000		*
Arsenic, total	ug/L	MW-11	12/04/2024		8.2000		
Arsenic, total	ug/L	MW-11	06/12/2025		7.8000		
Arsenic, total	ug/L	MW-11	12/09/2025		6.6000		
Barium, total	ug/L	MW-11	12/10/2014		243.0000		
Barium, total	ug/L	MW-11	03/04/2015		189.0000		
Barium, total	ug/L	MW-11	06/04/2015		350.0000		
Barium, total	ug/L	MW-11	09/01/2015		455.0000		
Barium, total	ug/L	MW-11	12/01/2015		149.0000		
Barium, total	ug/L	MW-11	06/27/2016		522.0000		
Barium, total	ug/L	MW-11	11/30/2016		166.0000		
Barium, total	ug/L	MW-11	06/22/2017		960.0000		
Barium, total	ug/L	MW-11	11/15/2017		148.0000		
Barium, total	ug/L	MW-11	06/18/2018		320.0000		
Barium, total	ug/L	MW-11	11/28/2018		398.0000		
Barium, total	ug/L	MW-11	06/12/2019		461.0000		
Barium, total	ug/L	MW-11	12/05/2019		739.0000		
Barium, total	ug/L	MW-11	06/17/2020		354.0000		
Barium, total	ug/L	MW-11	12/07/2020		200.0000		
Barium, total	ug/L	MW-11	06/22/2021		284.0000		
Barium, total	ug/L	MW-11	12/02/2021		127.0000		
Barium, total	ug/L	MW-11	06/08/2022		240.0000		
Barium, total	ug/L	MW-11	11/22/2022		165.0000		
Barium, total	ug/L	MW-11	06/06/2023		314.0000		
Barium, total	ug/L	MW-11	12/04/2023		166.0000		
Barium, total	ug/L	MW-11	06/06/2024		177.0000		
Barium, total	ug/L	MW-11	12/04/2024		118.0000		
Barium, total	ug/L	MW-11	06/12/2025		137.0000		

* - 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	12/09/2025		245.0000		
Beryllium, total	ug/L	MW-11	12/10/2014	ND	4.0000		
Beryllium, total	ug/L	MW-11	03/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-11	06/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-11	09/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-11	12/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-11	06/27/2016	ND	4.0000		
Beryllium, total	ug/L	MW-11	11/30/2016	ND	4.0000		
Beryllium, total	ug/L	MW-11	06/22/2017	ND	4.0000		
Beryllium, total	ug/L	MW-11	11/15/2017	ND	4.0000		
Beryllium, total	ug/L	MW-11	06/18/2018	ND	4.0000		
Beryllium, total	ug/L	MW-11	11/28/2018	ND	4.0000		
Beryllium, total	ug/L	MW-11	06/12/2019	ND	4.0000		
Beryllium, total	ug/L	MW-11	12/05/2019	ND	4.0000		
Beryllium, total	ug/L	MW-11	06/17/2020	ND	4.0000		
Beryllium, total	ug/L	MW-11	12/07/2020	ND	4.0000		
Beryllium, total	ug/L	MW-11	06/22/2021	ND	4.0000		
Beryllium, total	ug/L	MW-11	12/02/2021	ND	4.0000		
Beryllium, total	ug/L	MW-11	06/08/2022	ND	4.0000		
Beryllium, total	ug/L	MW-11	11/22/2022	ND	4.0000		
Beryllium, total	ug/L	MW-11	06/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-11	12/04/2023	ND	4.0000		
Beryllium, total	ug/L	MW-11	06/06/2024	ND	4.0000		
Beryllium, total	ug/L	MW-11	12/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-11	06/12/2025	ND	0.5000	4.0000	**
Beryllium, total	ug/L	MW-11	12/09/2025	ND	0.5000	4.0000	**
Cadmium, total	ug/L	MW-11	12/10/2014	ND	0.8000		
Cadmium, total	ug/L	MW-11	03/04/2015	ND	0.8000		
Cadmium, total	ug/L	MW-11	06/04/2015	ND	0.8000		
Cadmium, total	ug/L	MW-11	09/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-11	12/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-11	06/27/2016	ND	0.8000		
Cadmium, total	ug/L	MW-11	11/30/2016	ND	0.8000		
Cadmium, total	ug/L	MW-11	06/22/2017	ND	0.8000		
Cadmium, total	ug/L	MW-11	11/15/2017	ND	0.8000		
Cadmium, total	ug/L	MW-11	06/18/2018	ND	0.8000		
Cadmium, total	ug/L	MW-11	11/28/2018	ND	0.8000		
Cadmium, total	ug/L	MW-11	06/12/2019	ND	0.8000		
Cadmium, total	ug/L	MW-11	12/05/2019		1.1000		
Cadmium, total	ug/L	MW-11	06/17/2020	ND	0.8000		
Cadmium, total	ug/L	MW-11	12/07/2020	ND	0.8000		
Cadmium, total	ug/L	MW-11	06/22/2021		2.3000		
Cadmium, total	ug/L	MW-11	12/02/2021		0.9000		
Cadmium, total	ug/L	MW-11	06/08/2022	ND	0.8000		
Cadmium, total	ug/L	MW-11	11/22/2022		1.9000		
Cadmium, total	ug/L	MW-11	06/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-11	12/04/2023	ND	0.8000		
Cadmium, total	ug/L	MW-11	06/06/2024	ND	0.8000		
Cadmium, total	ug/L	MW-11	12/04/2024		2.3000		
Cadmium, total	ug/L	MW-11	06/12/2025		0.2000		*
Cadmium, total	ug/L	MW-11	12/09/2025		1.3000		
Chromium, total	ug/L	MW-11	12/10/2014	ND	8.0000		
Chromium, total	ug/L	MW-11	03/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-11	06/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-11	09/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-11	12/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-11	06/27/2016	ND	8.0000		
Chromium, total	ug/L	MW-11	11/30/2016	ND	8.0000		
Chromium, total	ug/L	MW-11	06/22/2017	ND	8.0000		
Chromium, total	ug/L	MW-11	11/15/2017	ND	8.0000		
Chromium, total	ug/L	MW-11	06/18/2018	ND	8.0000		
Chromium, total	ug/L	MW-11	11/28/2018	ND	8.0000		
Chromium, total	ug/L	MW-11	06/12/2019	ND	8.0000		
Chromium, total	ug/L	MW-11	12/05/2019	ND	8.0000		
Chromium, total	ug/L	MW-11	06/17/2020	ND	8.0000		
Chromium, total	ug/L	MW-11	12/07/2020	ND	8.0000		
Chromium, total	ug/L	MW-11	06/22/2021	ND	8.0000		
Chromium, total	ug/L	MW-11	12/02/2021	ND	8.0000		
Chromium, total	ug/L	MW-11	06/08/2022	ND	8.0000		
Chromium, total	ug/L	MW-11	11/22/2022	ND	8.0000		
Chromium, total	ug/L	MW-11	06/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-11	12/04/2023	ND	8.0000		
Chromium, total	ug/L	MW-11	06/06/2024	ND	8.0000		
Chromium, total	ug/L	MW-11	12/04/2024	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	06/12/2025		1.1000		
Chromium, total	ug/L	MW-11	12/09/2025		1.9000		
Cobalt, total	ug/L	MW-11	12/10/2014		0.8000		
Cobalt, total	ug/L	MW-11	03/04/2015	ND	0.8000		
Cobalt, total	ug/L	MW-11	06/04/2015		0.9000		
Cobalt, total	ug/L	MW-11	09/01/2015		0.8000		
Cobalt, total	ug/L	MW-11	12/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-11	06/27/2016	ND	0.8000		
Cobalt, total	ug/L	MW-11	11/30/2016		0.8000		
Cobalt, total	ug/L	MW-11	06/22/2017		1.4000		
Cobalt, total	ug/L	MW-11	11/15/2017		0.9000		
Cobalt, total	ug/L	MW-11	06/18/2018		1.9000		
Cobalt, total	ug/L	MW-11	11/28/2018		1.0000		
Cobalt, total	ug/L	MW-11	06/12/2019		1.0000		
Cobalt, total	ug/L	MW-11	12/05/2019		1.1000		
Cobalt, total	ug/L	MW-11	06/17/2020		0.7000		
Cobalt, total	ug/L	MW-11	12/07/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-11	06/22/2021		0.9000		
Cobalt, total	ug/L	MW-11	12/02/2021		0.8000		
Cobalt, total	ug/L	MW-11	06/08/2022		1.5000		
Cobalt, total	ug/L	MW-11	11/22/2022		2.9000		
Cobalt, total	ug/L	MW-11	06/06/2023		2.9000		
Cobalt, total	ug/L	MW-11	12/04/2023		1.0000		
Cobalt, total	ug/L	MW-11	06/06/2024		29.8000		*
Cobalt, total	ug/L	MW-11	12/04/2024		1.6000		
Cobalt, total	ug/L	MW-11	06/12/2025		4.4000		
Cobalt, total	ug/L	MW-11	12/09/2025		0.5000		
Copper, total	ug/L	MW-11	12/10/2014	ND	4.0000		
Copper, total	ug/L	MW-11	03/04/2015	ND	4.0000		
Copper, total	ug/L	MW-11	06/04/2015	ND	4.0000		
Copper, total	ug/L	MW-11	09/01/2015	ND	4.0000		
Copper, total	ug/L	MW-11	12/01/2015	ND	4.0000		
Copper, total	ug/L	MW-11	06/27/2016	ND	4.0000		
Copper, total	ug/L	MW-11	11/30/2016	ND	4.0000		
Copper, total	ug/L	MW-11	06/22/2017	ND	4.0000		
Copper, total	ug/L	MW-11	11/15/2017	ND	4.0000		
Copper, total	ug/L	MW-11	06/18/2018	ND	4.0000		
Copper, total	ug/L	MW-11	11/28/2018	ND	4.0000		
Copper, total	ug/L	MW-11	06/12/2019	ND	4.0000		
Copper, total	ug/L	MW-11	12/05/2019	ND	4.0000		
Copper, total	ug/L	MW-11	06/17/2020	ND	4.0000		
Copper, total	ug/L	MW-11	12/07/2020	ND	4.0000		
Copper, total	ug/L	MW-11	06/22/2021	ND	4.0000		
Copper, total	ug/L	MW-11	12/02/2021	ND	4.0000		
Copper, total	ug/L	MW-11	06/08/2022		6.2000		
Copper, total	ug/L	MW-11	11/22/2022	ND	4.0000		
Copper, total	ug/L	MW-11	06/06/2023	ND	4.0000		
Copper, total	ug/L	MW-11	12/04/2023	ND	4.0000		
Copper, total	ug/L	MW-11	06/06/2024		5.7000		
Copper, total	ug/L	MW-11	12/04/2024	ND	4.0000		
Copper, total	ug/L	MW-11	06/12/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-11	12/09/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-11	12/10/2014	ND	4.0000		
Lead, total	ug/L	MW-11	03/04/2015	ND	4.0000		
Lead, total	ug/L	MW-11	06/04/2015	ND	4.0000		
Lead, total	ug/L	MW-11	09/01/2015	ND	4.0000		
Lead, total	ug/L	MW-11	12/01/2015	ND	4.0000		
Lead, total	ug/L	MW-11	06/27/2016	ND	4.0000		
Lead, total	ug/L	MW-11	11/30/2016	ND	4.0000		
Lead, total	ug/L	MW-11	06/22/2017	ND	4.0000		
Lead, total	ug/L	MW-11	11/15/2017	ND	4.0000		
Lead, total	ug/L	MW-11	06/18/2018	ND	4.0000		
Lead, total	ug/L	MW-11	11/28/2018	ND	4.0000		
Lead, total	ug/L	MW-11	06/12/2019	ND	4.0000		
Lead, total	ug/L	MW-11	12/05/2019	ND	4.0000		
Lead, total	ug/L	MW-11	06/17/2020	ND	4.0000		
Lead, total	ug/L	MW-11	12/07/2020	ND	4.0000		
Lead, total	ug/L	MW-11	06/22/2021	ND	4.0000		
Lead, total	ug/L	MW-11	12/02/2021	ND	4.0000		
Lead, total	ug/L	MW-11	06/08/2022	ND	4.0000		
Lead, total	ug/L	MW-11	11/22/2022	ND	4.0000		
Lead, total	ug/L	MW-11	06/06/2023	ND	4.0000		
Lead, total	ug/L	MW-11	12/04/2023	ND	4.0000		
Lead, total	ug/L	MW-11	06/06/2024	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	
Lead, total	ug/L	MW-11	12/04/2024	ND	4.0000		
Lead, total	ug/L	MW-11	06/12/2025	ND	1.0000	4.0000	**
Lead, total	ug/L	MW-11	12/09/2025	ND	1.0000	4.0000	**
Nickel, total	ug/L	MW-11	12/10/2014	ND	4.0000		
Nickel, total	ug/L	MW-11	03/04/2015		5.5000		
Nickel, total	ug/L	MW-11	06/04/2015	ND	4.0000		
Nickel, total	ug/L	MW-11	09/01/2015	ND	4.0000		
Nickel, total	ug/L	MW-11	12/01/2015	ND	8.0000	4.0000	**
Nickel, total	ug/L	MW-11	06/27/2016	ND	4.0000		
Nickel, total	ug/L	MW-11	11/30/2016	ND	4.0000		
Nickel, total	ug/L	MW-11	06/22/2017	ND	4.0000		
Nickel, total	ug/L	MW-11	11/15/2017	ND	4.0000		
Nickel, total	ug/L	MW-11	06/18/2018		4.3000		
Nickel, total	ug/L	MW-11	11/28/2018	ND	4.0000		
Nickel, total	ug/L	MW-11	06/12/2019	ND	4.0000		
Nickel, total	ug/L	MW-11	12/05/2019	ND	4.0000		
Nickel, total	ug/L	MW-11	06/17/2020	ND	4.0000		
Nickel, total	ug/L	MW-11	12/07/2020	ND	4.0000		
Nickel, total	ug/L	MW-11	06/22/2021	ND	4.0000		
Nickel, total	ug/L	MW-11	12/02/2021	ND	4.0000		
Nickel, total	ug/L	MW-11	06/08/2022	ND	4.0000		
Nickel, total	ug/L	MW-11	11/22/2022	ND	4.0000		
Nickel, total	ug/L	MW-11	06/06/2023		4.1000		
Nickel, total	ug/L	MW-11	12/04/2023	ND	4.0000		
Nickel, total	ug/L	MW-11	06/06/2024		29.0000		
Nickel, total	ug/L	MW-11	12/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-11	06/12/2025		5.4000		
Nickel, total	ug/L	MW-11	12/09/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-11	12/10/2014	ND	4.0000		
Selenium, total	ug/L	MW-11	03/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-11	06/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-11	09/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-11	12/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-11	06/27/2016	ND	4.0000		
Selenium, total	ug/L	MW-11	11/30/2016	ND	4.0000		
Selenium, total	ug/L	MW-11	06/22/2017	ND	4.0000		
Selenium, total	ug/L	MW-11	11/15/2017	ND	4.0000		
Selenium, total	ug/L	MW-11	06/18/2018	ND	8.0000	4.0000	**
Selenium, total	ug/L	MW-11	11/28/2018	ND	4.0000		
Selenium, total	ug/L	MW-11	06/12/2019	ND	4.0000		
Selenium, total	ug/L	MW-11	12/05/2019	ND	4.0000		
Selenium, total	ug/L	MW-11	06/17/2020	ND	4.0000		
Selenium, total	ug/L	MW-11	12/07/2020	ND	4.0000		
Selenium, total	ug/L	MW-11	06/22/2021	ND	4.0000		
Selenium, total	ug/L	MW-11	12/02/2021	ND	4.0000		
Selenium, total	ug/L	MW-11	06/08/2022	ND	4.0000		
Selenium, total	ug/L	MW-11	11/22/2022	ND	4.0000		
Selenium, total	ug/L	MW-11	06/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-11	12/04/2023	ND	4.0000		
Selenium, total	ug/L	MW-11	06/06/2024	ND	4.0000		
Selenium, total	ug/L	MW-11	12/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-11	06/12/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-11	12/09/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-11	12/10/2014	ND	4.0000		
Silver, total	ug/L	MW-11	03/04/2015	ND	4.0000		
Silver, total	ug/L	MW-11	06/04/2015	ND	4.0000		
Silver, total	ug/L	MW-11	09/01/2015	ND	4.0000		
Silver, total	ug/L	MW-11	12/01/2015	ND	4.0000		
Silver, total	ug/L	MW-11	06/27/2016	ND	4.0000		
Silver, total	ug/L	MW-11	11/30/2016	ND	4.0000		
Silver, total	ug/L	MW-11	06/22/2017	ND	4.0000		
Silver, total	ug/L	MW-11	11/15/2017	ND	4.0000		
Silver, total	ug/L	MW-11	06/18/2018	ND	4.0000		
Silver, total	ug/L	MW-11	11/28/2018	ND	4.0000		
Silver, total	ug/L	MW-11	06/12/2019	ND	8.0000	4.0000	**
Silver, total	ug/L	MW-11	12/05/2019	ND	4.0000		
Silver, total	ug/L	MW-11	06/17/2020	ND	4.0000		
Silver, total	ug/L	MW-11	12/07/2020	ND	4.0000		
Silver, total	ug/L	MW-11	06/22/2021	ND	4.0000		
Silver, total	ug/L	MW-11	12/02/2021	ND	4.0000		
Silver, total	ug/L	MW-11	06/08/2022	ND	4.0000		
Silver, total	ug/L	MW-11	11/22/2022	ND	4.0000		
Silver, total	ug/L	MW-11	06/06/2023	ND	4.0000		
Silver, total	ug/L	MW-11	12/04/2023	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	06/06/2024	ND	4.0000		
Silver, total	ug/L	MW-11	12/04/2024	ND	4.0000		
Silver, total	ug/L	MW-11	06/12/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-11	12/09/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-11	12/10/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	03/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	06/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	09/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	12/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	06/27/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	11/30/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	06/22/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	11/15/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	06/18/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	11/28/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-11	06/12/2019	ND	2.0000		
Thallium, total	ug/L	MW-11	12/05/2019	ND	2.0000		
Thallium, total	ug/L	MW-11	06/17/2020	ND	2.0000		
Thallium, total	ug/L	MW-11	12/07/2020	ND	2.0000		
Thallium, total	ug/L	MW-11	06/22/2021	ND	2.0000		
Thallium, total	ug/L	MW-11	12/02/2021	ND	2.0000		
Thallium, total	ug/L	MW-11	06/08/2022	ND	2.0000		
Thallium, total	ug/L	MW-11	11/22/2022	ND	2.0000		
Thallium, total	ug/L	MW-11	06/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-11	12/04/2023	ND	2.0000		
Thallium, total	ug/L	MW-11	06/06/2024	ND	2.0000		
Thallium, total	ug/L	MW-11	12/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-11	06/12/2025	ND	0.5000	2.0000	**
Thallium, total	ug/L	MW-11	12/09/2025	ND	0.5000	2.0000	**
Vanadium, total	ug/L	MW-11	12/10/2014	ND	20.0000		
Vanadium, total	ug/L	MW-11	03/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-11	06/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-11	09/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-11	12/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-11	06/27/2016	ND	20.0000		
Vanadium, total	ug/L	MW-11	11/30/2016	ND	20.0000		
Vanadium, total	ug/L	MW-11	06/22/2017	ND	20.0000		
Vanadium, total	ug/L	MW-11	11/15/2017	ND	20.0000		
Vanadium, total	ug/L	MW-11	06/18/2018	ND	20.0000		
Vanadium, total	ug/L	MW-11	11/28/2018	ND	20.0000		
Vanadium, total	ug/L	MW-11	06/12/2019	ND	20.0000		
Vanadium, total	ug/L	MW-11	12/05/2019	ND	20.0000		
Vanadium, total	ug/L	MW-11	06/17/2020	ND	20.0000		
Vanadium, total	ug/L	MW-11	12/07/2020	ND	20.0000		
Vanadium, total	ug/L	MW-11	06/22/2021	ND	20.0000		
Vanadium, total	ug/L	MW-11	12/02/2021	ND	20.0000		
Vanadium, total	ug/L	MW-11	06/08/2022	ND	20.0000		
Vanadium, total	ug/L	MW-11	11/22/2022	ND	20.0000		
Vanadium, total	ug/L	MW-11	06/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-11	12/04/2023	ND	20.0000		
Vanadium, total	ug/L	MW-11	06/06/2024	ND	20.0000		
Vanadium, total	ug/L	MW-11	12/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-11	06/12/2025	ND	4.0000		
Vanadium, total	ug/L	MW-11	12/09/2025	ND	3.6000		
Zinc, total	ug/L	MW-11	12/10/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	03/04/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	06/04/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	09/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	12/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	06/27/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	11/30/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	06/22/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	11/15/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	06/18/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-11	11/28/2018	ND	20.0000		
Zinc, total	ug/L	MW-11	06/12/2019	ND	20.0000		
Zinc, total	ug/L	MW-11	12/05/2019	ND	20.0000		
Zinc, total	ug/L	MW-11	06/17/2020	ND	20.0000		
Zinc, total	ug/L	MW-11	12/07/2020	ND	20.0000		
Zinc, total	ug/L	MW-11	06/22/2021	ND	20.0000		
Zinc, total	ug/L	MW-11	12/02/2021	ND	20.0000		
Zinc, total	ug/L	MW-11	06/08/2022	ND	20.3000		
Zinc, total	ug/L	MW-11	11/22/2022	ND	20.0000		
Zinc, total	ug/L	MW-11	06/06/2023	ND	22.5000		

* - 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	
Zinc, total	ug/L	MW-11	12/04/2023	ND	20.0000		
Zinc, total	ug/L	MW-11	06/06/2024		71.9000		
Zinc, total	ug/L	MW-11	12/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-11	06/12/2025		18.0000		
Zinc, total	ug/L	MW-11	12/09/2025		9.8000		
Antimony, total	ug/L	MW-13	12/10/2014	ND	2.0000		
Antimony, total	ug/L	MW-13	03/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-13	06/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-13	09/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-13	12/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-13	06/27/2016	ND	2.0000		
Antimony, total	ug/L	MW-13	11/30/2016	ND	2.0000		
Antimony, total	ug/L	MW-13	06/22/2017	ND	2.0000		
Antimony, total	ug/L	MW-13	11/15/2017	ND	2.0000		
Antimony, total	ug/L	MW-13	06/18/2018	ND	2.0000		
Antimony, total	ug/L	MW-13	11/28/2018	ND	2.0000		
Antimony, total	ug/L	MW-13	06/12/2019	ND	2.0000		
Antimony, total	ug/L	MW-13	12/05/2019	ND	2.0000		
Antimony, total	ug/L	MW-13	06/17/2020	ND	2.0000		
Antimony, total	ug/L	MW-13	12/07/2020	ND	2.0000		
Antimony, total	ug/L	MW-13	06/22/2021	ND	2.0000		
Antimony, total	ug/L	MW-13	12/02/2021	ND	2.0000		
Antimony, total	ug/L	MW-13	06/08/2022	ND	2.0000		
Antimony, total	ug/L	MW-13	11/22/2022	ND	2.0000		
Antimony, total	ug/L	MW-13	06/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-13	12/04/2023	ND	2.0000		
Antimony, total	ug/L	MW-13	06/06/2024	ND	2.0000		
Antimony, total	ug/L	MW-13	12/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-13	06/12/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-13	12/10/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-13	12/10/2014	ND	4.0000		
Arsenic, total	ug/L	MW-13	03/04/2015	ND	4.0000		
Arsenic, total	ug/L	MW-13	06/04/2015	ND	4.0000		
Arsenic, total	ug/L	MW-13	09/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-13	12/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-13	06/27/2016	ND	4.0000		
Arsenic, total	ug/L	MW-13	11/30/2016	ND	4.0000		
Arsenic, total	ug/L	MW-13	06/22/2017	ND	4.0000		
Arsenic, total	ug/L	MW-13	11/15/2017	ND	4.0000		
Arsenic, total	ug/L	MW-13	06/18/2018	ND	4.0000		
Arsenic, total	ug/L	MW-13	11/28/2018	ND	4.0000		
Arsenic, total	ug/L	MW-13	06/12/2019	ND	4.0000		
Arsenic, total	ug/L	MW-13	12/05/2019	ND	4.0000		
Arsenic, total	ug/L	MW-13	06/17/2020	ND	4.0000		
Arsenic, total	ug/L	MW-13	12/07/2020	ND	4.0000		
Arsenic, total	ug/L	MW-13	06/22/2021	ND	4.0000		
Arsenic, total	ug/L	MW-13	12/02/2021	ND	4.0000		
Arsenic, total	ug/L	MW-13	06/08/2022	ND	4.0000		
Arsenic, total	ug/L	MW-13	11/22/2022	ND	4.0000		
Arsenic, total	ug/L	MW-13	06/06/2023	ND	4.0000		
Arsenic, total	ug/L	MW-13	12/04/2023	ND	4.0000		
Arsenic, total	ug/L	MW-13	06/06/2024	ND	4.0000		
Arsenic, total	ug/L	MW-13	12/04/2024	ND	4.0000		
Arsenic, total	ug/L	MW-13	06/12/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-13	12/10/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-13	12/10/2014		102.0000		
Barium, total	ug/L	MW-13	03/04/2015		117.0000		
Barium, total	ug/L	MW-13	06/04/2015		119.0000		
Barium, total	ug/L	MW-13	09/01/2015		89.4000		
Barium, total	ug/L	MW-13	12/01/2015		90.1000		
Barium, total	ug/L	MW-13	06/27/2016		87.2000		
Barium, total	ug/L	MW-13	11/30/2016		96.2000		
Barium, total	ug/L	MW-13	06/22/2017		85.6000		
Barium, total	ug/L	MW-13	11/15/2017		91.5000		
Barium, total	ug/L	MW-13	06/18/2018		93.9000		
Barium, total	ug/L	MW-13	11/28/2018		127.0000		
Barium, total	ug/L	MW-13	06/12/2019		91.9000		
Barium, total	ug/L	MW-13	12/05/2019		139.0000		
Barium, total	ug/L	MW-13	06/17/2020		82.9000		
Barium, total	ug/L	MW-13	12/07/2020		119.0000		
Barium, total	ug/L	MW-13	06/22/2021		90.3000		
Barium, total	ug/L	MW-13	12/02/2021		119.0000		
Barium, total	ug/L	MW-13	06/08/2022		106.0000		
Barium, total	ug/L	MW-13	11/22/2022		125.0000		

* - 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-13	06/06/2023		136.0000		
Barium, total	ug/L	MW-13	12/04/2023		123.0000		
Barium, total	ug/L	MW-13	06/06/2024		97.3000		
Barium, total	ug/L	MW-13	12/04/2024		102.0000		
Barium, total	ug/L	MW-13	06/12/2025		88.7000		
Barium, total	ug/L	MW-13	12/10/2025		107.0000		
Beryllium, total	ug/L	MW-13	12/10/2014	ND	4.0000		
Beryllium, total	ug/L	MW-13	03/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-13	06/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-13	09/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-13	12/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-13	06/27/2016	ND	4.0000		
Beryllium, total	ug/L	MW-13	11/30/2016	ND	4.0000		
Beryllium, total	ug/L	MW-13	06/22/2017	ND	4.0000		
Beryllium, total	ug/L	MW-13	11/15/2017	ND	4.0000		
Beryllium, total	ug/L	MW-13	06/18/2018	ND	4.0000		
Beryllium, total	ug/L	MW-13	11/28/2018	ND	4.0000		
Beryllium, total	ug/L	MW-13	06/12/2019	ND	4.0000		
Beryllium, total	ug/L	MW-13	12/05/2019	ND	4.0000		
Beryllium, total	ug/L	MW-13	06/17/2020	ND	4.0000		
Beryllium, total	ug/L	MW-13	12/07/2020	ND	4.0000		
Beryllium, total	ug/L	MW-13	06/22/2021	ND	4.0000		
Beryllium, total	ug/L	MW-13	12/02/2021	ND	4.0000		
Beryllium, total	ug/L	MW-13	06/08/2022	ND	4.0000		
Beryllium, total	ug/L	MW-13	11/22/2022	ND	4.0000		
Beryllium, total	ug/L	MW-13	06/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-13	12/04/2023	ND	4.0000		
Beryllium, total	ug/L	MW-13	06/06/2024	ND	4.0000		
Beryllium, total	ug/L	MW-13	12/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-13	06/12/2025	ND	0.5000	4.0000	**
Beryllium, total	ug/L	MW-13	12/10/2025	ND	0.5000	4.0000	**
Cadmium, total	ug/L	MW-13	12/10/2014	ND	0.8000		
Cadmium, total	ug/L	MW-13	03/04/2015	ND	0.8000		
Cadmium, total	ug/L	MW-13	06/04/2015	ND	0.8000		
Cadmium, total	ug/L	MW-13	09/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-13	12/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-13	06/27/2016	ND	0.8000		
Cadmium, total	ug/L	MW-13	11/30/2016	ND	0.8000		
Cadmium, total	ug/L	MW-13	06/22/2017	ND	0.8000		
Cadmium, total	ug/L	MW-13	11/15/2017	ND	0.8000		
Cadmium, total	ug/L	MW-13	06/18/2018	ND	0.8000		
Cadmium, total	ug/L	MW-13	11/28/2018	ND	0.8000		
Cadmium, total	ug/L	MW-13	06/12/2019	ND	0.8000		
Cadmium, total	ug/L	MW-13	12/05/2019	ND	0.8000		
Cadmium, total	ug/L	MW-13	06/17/2020	ND	0.8000		
Cadmium, total	ug/L	MW-13	12/07/2020		1.5000		
Cadmium, total	ug/L	MW-13	06/22/2021	ND	0.8000		
Cadmium, total	ug/L	MW-13	12/02/2021	ND	0.8000		
Cadmium, total	ug/L	MW-13	06/08/2022	ND	0.8000		
Cadmium, total	ug/L	MW-13	11/22/2022	ND	0.8000		
Cadmium, total	ug/L	MW-13	06/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-13	12/04/2023	ND	0.8000		
Cadmium, total	ug/L	MW-13	06/06/2024	ND	0.8000		
Cadmium, total	ug/L	MW-13	12/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-13	06/12/2025		0.4000		
Cadmium, total	ug/L	MW-13	12/10/2025		0.6000		
Chromium, total	ug/L	MW-13	12/10/2014	ND	8.0000		
Chromium, total	ug/L	MW-13	03/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-13	06/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-13	09/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-13	12/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-13	06/27/2016	ND	8.0000		
Chromium, total	ug/L	MW-13	11/30/2016	ND	8.0000		
Chromium, total	ug/L	MW-13	06/22/2017	ND	8.0000		
Chromium, total	ug/L	MW-13	11/15/2017	ND	8.0000		
Chromium, total	ug/L	MW-13	06/18/2018	ND	8.0000		
Chromium, total	ug/L	MW-13	11/28/2018	ND	8.0000		
Chromium, total	ug/L	MW-13	06/12/2019	ND	8.0000		
Chromium, total	ug/L	MW-13	12/05/2019	ND	8.0000		
Chromium, total	ug/L	MW-13	06/17/2020	ND	8.0000		
Chromium, total	ug/L	MW-13	12/07/2020	ND	8.0000		
Chromium, total	ug/L	MW-13	06/22/2021	ND	8.0000		
Chromium, total	ug/L	MW-13	12/02/2021	ND	8.0000		
Chromium, total	ug/L	MW-13	06/08/2022	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-13	11/22/2022	ND	8.0000		
Chromium, total	ug/L	MW-13	06/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-13	12/04/2023	ND	8.0000		
Chromium, total	ug/L	MW-13	06/06/2024	ND	8.0000		
Chromium, total	ug/L	MW-13	12/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-13	06/12/2025		1.0000		
Chromium, total	ug/L	MW-13	12/10/2025		2.2000		
Cobalt, total	ug/L	MW-13	12/10/2014	ND	0.8000		
Cobalt, total	ug/L	MW-13	03/04/2015	ND	0.8000		
Cobalt, total	ug/L	MW-13	06/04/2015		0.8000		
Cobalt, total	ug/L	MW-13	09/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-13	12/01/2015		0.9000		
Cobalt, total	ug/L	MW-13	06/27/2016	ND	0.8000		
Cobalt, total	ug/L	MW-13	11/30/2016	ND	0.8000		
Cobalt, total	ug/L	MW-13	06/22/2017	ND	0.8000		
Cobalt, total	ug/L	MW-13	11/15/2017	ND	0.8000		
Cobalt, total	ug/L	MW-13	06/18/2018	ND	0.8000		
Cobalt, total	ug/L	MW-13	11/28/2018	ND	0.8000		
Cobalt, total	ug/L	MW-13	06/12/2019	ND	0.8000		
Cobalt, total	ug/L	MW-13	12/05/2019	ND	0.8000		
Cobalt, total	ug/L	MW-13	06/17/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-13	12/07/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-13	06/22/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-13	12/02/2021		0.6000		
Cobalt, total	ug/L	MW-13	06/08/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-13	11/22/2022		0.5000		
Cobalt, total	ug/L	MW-13	06/06/2023		1.4000		
Cobalt, total	ug/L	MW-13	12/04/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-13	06/06/2024		0.4000		
Cobalt, total	ug/L	MW-13	12/04/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-13	06/12/2025	ND	0.5000	0.8000	**
Cobalt, total	ug/L	MW-13	12/10/2025		1.0000		
Copper, total	ug/L	MW-13	12/10/2014		4.9000		
Copper, total	ug/L	MW-13	03/04/2015	ND	4.0000		
Copper, total	ug/L	MW-13	06/04/2015	ND	4.0000		
Copper, total	ug/L	MW-13	09/01/2015	ND	4.0000		
Copper, total	ug/L	MW-13	12/01/2015	ND	4.0000		
Copper, total	ug/L	MW-13	06/27/2016	ND	4.0000		
Copper, total	ug/L	MW-13	11/30/2016	ND	4.0000		
Copper, total	ug/L	MW-13	06/22/2017	ND	4.0000		
Copper, total	ug/L	MW-13	11/15/2017	ND	4.0000		
Copper, total	ug/L	MW-13	06/18/2018	ND	4.0000		
Copper, total	ug/L	MW-13	11/28/2018		5.3000		
Copper, total	ug/L	MW-13	06/12/2019	ND	4.0000		
Copper, total	ug/L	MW-13	12/05/2019	ND	4.0000		
Copper, total	ug/L	MW-13	06/17/2020	ND	4.0000		
Copper, total	ug/L	MW-13	12/07/2020	ND	4.0000		
Copper, total	ug/L	MW-13	06/22/2021	ND	4.0000		
Copper, total	ug/L	MW-13	12/02/2021	ND	4.0000		
Copper, total	ug/L	MW-13	06/08/2022	ND	4.0000		
Copper, total	ug/L	MW-13	11/22/2022	ND	4.0000		
Copper, total	ug/L	MW-13	06/06/2023	ND	4.0000		
Copper, total	ug/L	MW-13	12/04/2023	ND	4.0000		
Copper, total	ug/L	MW-13	06/06/2024	ND	4.0000		
Copper, total	ug/L	MW-13	12/04/2024	ND	4.0000		
Copper, total	ug/L	MW-13	06/12/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-13	12/10/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-13	12/10/2014	ND	4.0000		
Lead, total	ug/L	MW-13	03/04/2015	ND	4.0000		
Lead, total	ug/L	MW-13	06/04/2015	ND	4.0000		
Lead, total	ug/L	MW-13	09/01/2015	ND	4.0000		
Lead, total	ug/L	MW-13	12/01/2015	ND	4.0000		
Lead, total	ug/L	MW-13	06/27/2016	ND	4.0000		
Lead, total	ug/L	MW-13	11/30/2016	ND	4.0000		
Lead, total	ug/L	MW-13	06/22/2017	ND	4.0000		
Lead, total	ug/L	MW-13	11/15/2017	ND	4.0000		
Lead, total	ug/L	MW-13	06/18/2018	ND	4.0000		
Lead, total	ug/L	MW-13	11/28/2018	ND	4.0000		
Lead, total	ug/L	MW-13	06/12/2019	ND	4.0000		
Lead, total	ug/L	MW-13	12/05/2019	ND	4.0000		
Lead, total	ug/L	MW-13	06/17/2020	ND	4.0000		
Lead, total	ug/L	MW-13	12/07/2020	ND	4.0000		
Lead, total	ug/L	MW-13	06/22/2021	ND	4.0000		
Lead, total	ug/L	MW-13	12/02/2021	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-13	06/08/2022	ND	4.0000		
Lead, total	ug/L	MW-13	11/22/2022	ND	4.0000		
Lead, total	ug/L	MW-13	06/06/2023	ND	4.0000		
Lead, total	ug/L	MW-13	12/04/2023	ND	4.0000		
Lead, total	ug/L	MW-13	06/06/2024	ND	4.0000		
Lead, total	ug/L	MW-13	12/04/2024	ND	4.0000		
Lead, total	ug/L	MW-13	06/12/2025	ND	1.0000	4.0000	**
Lead, total	ug/L	MW-13	12/10/2025	ND	1.0000	4.0000	**
Nickel, total	ug/L	MW-13	12/10/2014		11.9000		
Nickel, total	ug/L	MW-13	03/04/2015		14.0000		
Nickel, total	ug/L	MW-13	06/04/2015		15.5000		
Nickel, total	ug/L	MW-13	09/01/2015		9.1000		
Nickel, total	ug/L	MW-13	12/01/2015		9.6000		
Nickel, total	ug/L	MW-13	06/27/2016		9.7000		
Nickel, total	ug/L	MW-13	11/30/2016		8.8000		
Nickel, total	ug/L	MW-13	06/22/2017		5.2000		
Nickel, total	ug/L	MW-13	11/15/2017		9.9000		
Nickel, total	ug/L	MW-13	06/18/2018		9.1000		
Nickel, total	ug/L	MW-13	11/28/2018		16.0000		
Nickel, total	ug/L	MW-13	06/12/2019		6.0000		
Nickel, total	ug/L	MW-13	12/05/2019		13.7000		
Nickel, total	ug/L	MW-13	06/17/2020		5.7000		
Nickel, total	ug/L	MW-13	12/07/2020		13.5000		
Nickel, total	ug/L	MW-13	06/22/2021		6.1000		
Nickel, total	ug/L	MW-13	12/02/2021		15.2000		
Nickel, total	ug/L	MW-13	06/08/2022		7.5000		
Nickel, total	ug/L	MW-13	11/22/2022		16.3000		
Nickel, total	ug/L	MW-13	06/06/2023		7.8000		
Nickel, total	ug/L	MW-13	12/04/2023		16.9000		
Nickel, total	ug/L	MW-13	06/06/2024		16.9000		
Nickel, total	ug/L	MW-13	12/04/2024		16.7000		
Nickel, total	ug/L	MW-13	06/12/2025		10.2000		
Nickel, total	ug/L	MW-13	12/10/2025		16.2000		
Selenium, total	ug/L	MW-13	12/10/2014	ND	4.0000		
Selenium, total	ug/L	MW-13	03/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-13	06/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-13	09/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-13	12/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-13	06/27/2016	ND	4.0000		
Selenium, total	ug/L	MW-13	11/30/2016	ND	4.0000		
Selenium, total	ug/L	MW-13	06/22/2017	ND	4.0000		
Selenium, total	ug/L	MW-13	11/15/2017	ND	4.0000		
Selenium, total	ug/L	MW-13	06/18/2018	ND	8.0000	4.0000	**
Selenium, total	ug/L	MW-13	11/28/2018	ND	4.0000		
Selenium, total	ug/L	MW-13	06/12/2019	ND	4.0000		
Selenium, total	ug/L	MW-13	12/05/2019	ND	4.0000		
Selenium, total	ug/L	MW-13	06/17/2020	ND	4.0000		
Selenium, total	ug/L	MW-13	12/07/2020	ND	4.0000		
Selenium, total	ug/L	MW-13	06/22/2021	ND	4.0000		
Selenium, total	ug/L	MW-13	12/02/2021	ND	4.0000		
Selenium, total	ug/L	MW-13	06/08/2022	ND	4.0000		
Selenium, total	ug/L	MW-13	11/22/2022	ND	4.0000		
Selenium, total	ug/L	MW-13	06/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-13	12/04/2023	ND	4.0000		
Selenium, total	ug/L	MW-13	06/06/2024	ND	4.0000		
Selenium, total	ug/L	MW-13	12/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-13	06/12/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-13	12/10/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-13	12/10/2014	ND	4.0000		
Silver, total	ug/L	MW-13	03/04/2015	ND	4.0000		
Silver, total	ug/L	MW-13	06/04/2015	ND	4.0000		
Silver, total	ug/L	MW-13	09/01/2015	ND	4.0000		
Silver, total	ug/L	MW-13	12/01/2015	ND	4.0000		
Silver, total	ug/L	MW-13	06/27/2016	ND	4.0000		
Silver, total	ug/L	MW-13	11/30/2016	ND	4.0000		
Silver, total	ug/L	MW-13	06/22/2017	ND	4.0000		
Silver, total	ug/L	MW-13	11/15/2017	ND	4.0000		
Silver, total	ug/L	MW-13	06/18/2018	ND	4.0000		
Silver, total	ug/L	MW-13	11/28/2018	ND	4.0000		
Silver, total	ug/L	MW-13	06/12/2019	ND	8.0000	4.0000	**
Silver, total	ug/L	MW-13	12/05/2019	ND	4.0000		
Silver, total	ug/L	MW-13	06/17/2020	ND	4.0000		
Silver, total	ug/L	MW-13	12/07/2020	ND	4.0000		
Silver, total	ug/L	MW-13	06/22/2021	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	
Silver, total	ug/L	MW-13	12/02/2021	ND	4.0000		
Silver, total	ug/L	MW-13	06/08/2022	ND	4.0000		
Silver, total	ug/L	MW-13	11/22/2022	ND	4.0000		
Silver, total	ug/L	MW-13	06/06/2023	ND	4.0000		
Silver, total	ug/L	MW-13	12/04/2023	ND	4.0000		
Silver, total	ug/L	MW-13	06/06/2024	ND	4.0000		
Silver, total	ug/L	MW-13	12/04/2024	ND	4.0000		
Silver, total	ug/L	MW-13	06/12/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-13	12/10/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-13	12/10/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-13	03/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-13	06/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-13	09/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-13	12/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-13	06/27/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-13	11/30/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-13	06/22/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-13	11/15/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-13	06/18/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-13	11/28/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-13	06/12/2019	ND	2.0000		
Thallium, total	ug/L	MW-13	12/05/2019	ND	2.0000		
Thallium, total	ug/L	MW-13	06/17/2020	ND	2.0000		
Thallium, total	ug/L	MW-13	12/07/2020	ND	2.0000		
Thallium, total	ug/L	MW-13	06/22/2021	ND	2.0000		
Thallium, total	ug/L	MW-13	12/02/2021	ND	2.0000		
Thallium, total	ug/L	MW-13	06/08/2022	ND	2.0000		
Thallium, total	ug/L	MW-13	11/22/2022	ND	2.0000		
Thallium, total	ug/L	MW-13	06/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-13	12/04/2023	ND	2.0000		
Thallium, total	ug/L	MW-13	06/06/2024	ND	2.0000		
Thallium, total	ug/L	MW-13	12/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-13	06/12/2025	ND	0.5000	2.0000	**
Thallium, total	ug/L	MW-13	12/10/2025	ND	0.5000	2.0000	**
Vanadium, total	ug/L	MW-13	12/10/2014	ND	20.0000		
Vanadium, total	ug/L	MW-13	03/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-13	06/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-13	09/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-13	12/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-13	06/27/2016	ND	20.0000		
Vanadium, total	ug/L	MW-13	11/30/2016	ND	20.0000		
Vanadium, total	ug/L	MW-13	06/22/2017	ND	20.0000		
Vanadium, total	ug/L	MW-13	11/15/2017	ND	20.0000		
Vanadium, total	ug/L	MW-13	06/18/2018	ND	20.0000		
Vanadium, total	ug/L	MW-13	11/28/2018	ND	20.0000		
Vanadium, total	ug/L	MW-13	06/12/2019	ND	20.0000		
Vanadium, total	ug/L	MW-13	12/05/2019	ND	20.0000		
Vanadium, total	ug/L	MW-13	06/17/2020	ND	20.0000		
Vanadium, total	ug/L	MW-13	12/07/2020	ND	20.0000		
Vanadium, total	ug/L	MW-13	06/22/2021	ND	20.0000		
Vanadium, total	ug/L	MW-13	12/02/2021	ND	20.0000		
Vanadium, total	ug/L	MW-13	06/08/2022	ND	20.0000		
Vanadium, total	ug/L	MW-13	11/22/2022	ND	20.0000		
Vanadium, total	ug/L	MW-13	06/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-13	12/04/2023	ND	20.0000		
Vanadium, total	ug/L	MW-13	06/06/2024	ND	20.0000		
Vanadium, total	ug/L	MW-13	12/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-13	06/12/2025	ND	2.0000	20.0000	**
Vanadium, total	ug/L	MW-13	12/10/2025	ND	2.0000	20.0000	**
Zinc, total	ug/L	MW-13	12/10/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-13	03/04/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-13	06/04/2015		12.7000		
Zinc, total	ug/L	MW-13	09/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-13	12/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-13	06/27/2016		8.0000		
Zinc, total	ug/L	MW-13	11/30/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-13	06/22/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-13	11/15/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-13	06/18/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-13	11/28/2018	ND	20.0000		
Zinc, total	ug/L	MW-13	06/12/2019	ND	20.0000		
Zinc, total	ug/L	MW-13	12/05/2019	ND	20.0000		
Zinc, total	ug/L	MW-13	06/17/2020	ND	20.0000		
Zinc, total	ug/L	MW-13	12/07/2020	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-13	06/22/2021	ND	20.0000		
Zinc, total	ug/L	MW-13	12/02/2021	ND	20.0000		
Zinc, total	ug/L	MW-13	06/08/2022	ND	20.0000		
Zinc, total	ug/L	MW-13	11/22/2022	ND	20.0000		
Zinc, total	ug/L	MW-13	06/06/2023	ND	20.0000		
Zinc, total	ug/L	MW-13	12/04/2023	ND	20.0000		
Zinc, total	ug/L	MW-13	06/06/2024	ND	20.0000		
Zinc, total	ug/L	MW-13	12/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-13	06/12/2025		13.4000		
Zinc, total	ug/L	MW-13	12/10/2025		10.2000		
Antimony, total	ug/L	MW-27	06/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-27	09/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-27	12/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-27	06/27/2016	ND	2.0000		
Antimony, total	ug/L	MW-27	11/30/2016	ND	2.0000		
Antimony, total	ug/L	MW-27	06/22/2017	ND	2.0000		
Antimony, total	ug/L	MW-27	06/12/2019	ND	2.0000		
Antimony, total	ug/L	MW-27	12/05/2019	ND	2.0000		
Antimony, total	ug/L	MW-27	06/17/2020	ND	2.0000		
Antimony, total	ug/L	MW-27	12/07/2020	ND	2.0000		
Antimony, total	ug/L	MW-27	06/22/2021	ND	2.0000		
Antimony, total	ug/L	MW-27	12/02/2021	ND	2.0000		
Antimony, total	ug/L	MW-27	06/08/2022	ND	2.0000		
Antimony, total	ug/L	MW-27	06/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-27	06/12/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-27	06/04/2015	ND	4.0000		
Arsenic, total	ug/L	MW-27	09/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-27	12/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-27	06/27/2016	ND	4.0000		
Arsenic, total	ug/L	MW-27	11/30/2016	ND	4.0000		
Arsenic, total	ug/L	MW-27	06/22/2017	ND	4.0000		
Arsenic, total	ug/L	MW-27	06/12/2019	ND	4.0000		
Arsenic, total	ug/L	MW-27	12/05/2019	ND	4.0000		
Arsenic, total	ug/L	MW-27	06/17/2020		6.8000		
Arsenic, total	ug/L	MW-27	12/07/2020		5.3000		
Arsenic, total	ug/L	MW-27	06/22/2021	ND	4.0000		
Arsenic, total	ug/L	MW-27	12/02/2021		5.1000		
Arsenic, total	ug/L	MW-27	06/08/2022	ND	4.0000		
Arsenic, total	ug/L	MW-27	06/06/2023	ND	4.0000		
Arsenic, total	ug/L	MW-27	06/12/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-27	06/04/2015		477.0000		
Barium, total	ug/L	MW-27	09/01/2015		409.0000		
Barium, total	ug/L	MW-27	12/01/2015		453.0000		
Barium, total	ug/L	MW-27	06/27/2016		407.0000		
Barium, total	ug/L	MW-27	11/30/2016		403.0000		
Barium, total	ug/L	MW-27	06/22/2017		409.0000		
Barium, total	ug/L	MW-27	06/12/2019		418.0000		
Barium, total	ug/L	MW-27	12/05/2019		410.0000		
Barium, total	ug/L	MW-27	06/17/2020		436.0000		
Barium, total	ug/L	MW-27	12/07/2020		483.0000		
Barium, total	ug/L	MW-27	06/22/2021		452.0000		
Barium, total	ug/L	MW-27	12/02/2021		460.0000		
Barium, total	ug/L	MW-27	06/08/2022		453.0000		
Barium, total	ug/L	MW-27	06/06/2023		623.0000		
Barium, total	ug/L	MW-27	06/12/2025		585.0000		
Beryllium, total	ug/L	MW-27	06/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-27	09/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-27	12/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-27	06/27/2016	ND	4.0000		
Beryllium, total	ug/L	MW-27	11/30/2016	ND	4.0000		
Beryllium, total	ug/L	MW-27	06/22/2017	ND	4.0000		
Beryllium, total	ug/L	MW-27	06/12/2019	ND	4.0000		
Beryllium, total	ug/L	MW-27	12/05/2019	ND	4.0000		
Beryllium, total	ug/L	MW-27	06/17/2020	ND	4.0000		
Beryllium, total	ug/L	MW-27	12/07/2020	ND	4.0000		
Beryllium, total	ug/L	MW-27	06/22/2021	ND	4.0000		
Beryllium, total	ug/L	MW-27	12/02/2021	ND	4.0000		
Beryllium, total	ug/L	MW-27	06/08/2022	ND	4.0000		
Beryllium, total	ug/L	MW-27	06/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-27	06/12/2025	ND	0.5000	4.0000	**
Cadmium, total	ug/L	MW-27	06/04/2015	ND	0.8000		
Cadmium, total	ug/L	MW-27	09/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-27	12/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-27	06/27/2016	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-27	11/30/2016	ND	0.8000		
Cadmium, total	ug/L	MW-27	06/22/2017	ND	0.8000		
Cadmium, total	ug/L	MW-27	06/12/2019	ND	0.8000		
Cadmium, total	ug/L	MW-27	12/05/2019	ND	0.8000		
Cadmium, total	ug/L	MW-27	06/17/2020		1.1000		
Cadmium, total	ug/L	MW-27	12/07/2020		0.9000		
Cadmium, total	ug/L	MW-27	06/22/2021		1.4000		
Cadmium, total	ug/L	MW-27	12/02/2021		1.6000		
Cadmium, total	ug/L	MW-27	06/08/2022		0.8000		
Cadmium, total	ug/L	MW-27	06/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-27	06/12/2025		0.4000		
Chromium, total	ug/L	MW-27	06/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-27	09/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-27	12/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-27	06/27/2016	ND	8.0000		
Chromium, total	ug/L	MW-27	11/30/2016	ND	8.0000		
Chromium, total	ug/L	MW-27	06/22/2017	ND	8.0000		
Chromium, total	ug/L	MW-27	06/12/2019	ND	8.0000		
Chromium, total	ug/L	MW-27	12/05/2019	ND	8.0000		
Chromium, total	ug/L	MW-27	06/17/2020	ND	8.0000		
Chromium, total	ug/L	MW-27	12/07/2020	ND	8.0000		
Chromium, total	ug/L	MW-27	06/22/2021	ND	8.0000		
Chromium, total	ug/L	MW-27	12/02/2021	ND	8.0000		
Chromium, total	ug/L	MW-27	06/08/2022	ND	8.0000		
Chromium, total	ug/L	MW-27	06/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-27	06/12/2025		1.2000		
Cobalt, total	ug/L	MW-27	06/04/2015	ND	0.8000		
Cobalt, total	ug/L	MW-27	09/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-27	12/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-27	06/27/2016	ND	0.8000		
Cobalt, total	ug/L	MW-27	11/30/2016	ND	0.8000		
Cobalt, total	ug/L	MW-27	06/22/2017	ND	0.8000		
Cobalt, total	ug/L	MW-27	06/12/2019	ND	0.8000		
Cobalt, total	ug/L	MW-27	12/05/2019	ND	0.8000		
Cobalt, total	ug/L	MW-27	06/17/2020		10.7000		
Cobalt, total	ug/L	MW-27	12/07/2020		7.2000		
Cobalt, total	ug/L	MW-27	06/22/2021		2.3000		
Cobalt, total	ug/L	MW-27	12/02/2021		2.6000		
Cobalt, total	ug/L	MW-27	06/08/2022		1.0000		
Cobalt, total	ug/L	MW-27	06/06/2023		1.5000		
Cobalt, total	ug/L	MW-27	06/12/2025	ND	0.5000	0.8000	**
Copper, total	ug/L	MW-27	06/04/2015	ND	4.0000		
Copper, total	ug/L	MW-27	09/01/2015	ND	4.0000		
Copper, total	ug/L	MW-27	12/01/2015	ND	4.0000		
Copper, total	ug/L	MW-27	06/27/2016	ND	4.0000		
Copper, total	ug/L	MW-27	11/30/2016	ND	4.0000		
Copper, total	ug/L	MW-27	06/22/2017	ND	4.0000		
Copper, total	ug/L	MW-27	06/12/2019	ND	4.0000		
Copper, total	ug/L	MW-27	12/05/2019	ND	4.0000		
Copper, total	ug/L	MW-27	06/17/2020		12.8000		
Copper, total	ug/L	MW-27	12/07/2020		14.3000		
Copper, total	ug/L	MW-27	06/22/2021	ND	4.0000		
Copper, total	ug/L	MW-27	12/02/2021		12.2000		
Copper, total	ug/L	MW-27	06/08/2022		10.3000		
Copper, total	ug/L	MW-27	06/06/2023		6.9000		
Copper, total	ug/L	MW-27	06/12/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-27	06/04/2015	ND	4.0000		
Lead, total	ug/L	MW-27	09/01/2015	ND	4.0000		
Lead, total	ug/L	MW-27	12/01/2015	ND	4.0000		
Lead, total	ug/L	MW-27	06/27/2016	ND	4.0000		
Lead, total	ug/L	MW-27	11/30/2016	ND	4.0000		
Lead, total	ug/L	MW-27	06/22/2017	ND	4.0000		
Lead, total	ug/L	MW-27	06/12/2019	ND	4.0000		
Lead, total	ug/L	MW-27	12/05/2019	ND	4.0000		
Lead, total	ug/L	MW-27	06/17/2020	ND	4.0000		
Lead, total	ug/L	MW-27	12/07/2020	ND	4.0000		
Lead, total	ug/L	MW-27	06/22/2021	ND	4.0000		
Lead, total	ug/L	MW-27	12/02/2021	ND	4.0000		
Lead, total	ug/L	MW-27	06/08/2022	ND	4.0000		
Lead, total	ug/L	MW-27	06/06/2023	ND	4.0000		
Lead, total	ug/L	MW-27	06/12/2025	ND	1.0000	4.0000	**
Nickel, total	ug/L	MW-27	06/04/2015	ND	4.0000		
Nickel, total	ug/L	MW-27	09/01/2015	ND	4.0000		
Nickel, total	ug/L	MW-27	12/01/2015		9.4000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Nickel, total	ug/L	MW-27	06/27/2016		5.9000		
Nickel, total	ug/L	MW-27	11/30/2016	ND	4.0000		
Nickel, total	ug/L	MW-27	06/22/2017	ND	4.0000		
Nickel, total	ug/L	MW-27	06/12/2019	ND	4.0000		
Nickel, total	ug/L	MW-27	12/05/2019	ND	4.0000		
Nickel, total	ug/L	MW-27	06/17/2020		23.3000		
Nickel, total	ug/L	MW-27	12/07/2020		31.8000		
Nickel, total	ug/L	MW-27	06/22/2021	ND	4.0000		
Nickel, total	ug/L	MW-27	12/02/2021		11.7000		
Nickel, total	ug/L	MW-27	06/08/2022		7.1000		
Nickel, total	ug/L	MW-27	06/06/2023		5.2000		
Nickel, total	ug/L	MW-27	06/12/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-27	06/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-27	09/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-27	12/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-27	06/27/2016	ND	4.0000		
Selenium, total	ug/L	MW-27	11/30/2016	ND	4.0000		
Selenium, total	ug/L	MW-27	06/22/2017	ND	4.0000		
Selenium, total	ug/L	MW-27	06/12/2019	ND	4.0000		
Selenium, total	ug/L	MW-27	12/05/2019	ND	4.0000		
Selenium, total	ug/L	MW-27	06/17/2020	ND	4.0000		
Selenium, total	ug/L	MW-27	12/07/2020	ND	4.0000		
Selenium, total	ug/L	MW-27	06/22/2021	ND	4.0000		
Selenium, total	ug/L	MW-27	12/02/2021	ND	4.0000		
Selenium, total	ug/L	MW-27	06/08/2022	ND	4.0000		
Selenium, total	ug/L	MW-27	06/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-27	06/12/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-27	06/04/2015	ND	4.0000		
Silver, total	ug/L	MW-27	09/01/2015	ND	4.0000		
Silver, total	ug/L	MW-27	12/01/2015	ND	4.0000		
Silver, total	ug/L	MW-27	06/27/2016	ND	4.0000		
Silver, total	ug/L	MW-27	11/30/2016	ND	4.0000		
Silver, total	ug/L	MW-27	06/22/2017	ND	4.0000		
Silver, total	ug/L	MW-27	06/12/2019	ND	8.0000	4.0000	**
Silver, total	ug/L	MW-27	12/05/2019	ND	4.0000		
Silver, total	ug/L	MW-27	06/17/2020	ND	4.0000		
Silver, total	ug/L	MW-27	12/07/2020	ND	4.0000		
Silver, total	ug/L	MW-27	06/22/2021	ND	4.0000		
Silver, total	ug/L	MW-27	12/02/2021	ND	4.0000		
Silver, total	ug/L	MW-27	06/08/2022	ND	4.0000		
Silver, total	ug/L	MW-27	06/06/2023	ND	4.0000		
Silver, total	ug/L	MW-27	06/12/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-27	06/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-27	09/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-27	12/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-27	06/27/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-27	11/30/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-27	06/22/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-27	06/12/2019	ND	2.0000		
Thallium, total	ug/L	MW-27	12/05/2019	ND	2.0000		
Thallium, total	ug/L	MW-27	06/17/2020	ND	2.0000		
Thallium, total	ug/L	MW-27	12/07/2020	ND	2.0000		
Thallium, total	ug/L	MW-27	06/22/2021	ND	2.0000		
Thallium, total	ug/L	MW-27	12/02/2021	ND	2.0000		
Thallium, total	ug/L	MW-27	06/08/2022	ND	2.0000		
Thallium, total	ug/L	MW-27	06/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-27	06/12/2025	ND	0.5000	2.0000	**
Vanadium, total	ug/L	MW-27	06/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-27	09/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-27	12/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-27	06/27/2016	ND	20.0000		
Vanadium, total	ug/L	MW-27	11/30/2016	ND	20.0000		
Vanadium, total	ug/L	MW-27	06/22/2017	ND	20.0000		
Vanadium, total	ug/L	MW-27	06/12/2019	ND	20.0000		
Vanadium, total	ug/L	MW-27	12/05/2019	ND	20.0000		
Vanadium, total	ug/L	MW-27	06/17/2020	ND	20.0000		
Vanadium, total	ug/L	MW-27	12/07/2020	ND	20.0000		
Vanadium, total	ug/L	MW-27	06/22/2021	ND	20.0000		
Vanadium, total	ug/L	MW-27	12/02/2021	ND	20.0000		
Vanadium, total	ug/L	MW-27	06/08/2022	ND	20.0000		
Vanadium, total	ug/L	MW-27	06/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-27	06/12/2025		3.7000		
Zinc, total	ug/L	MW-27	06/04/2015		8.6000		
Zinc, total	ug/L	MW-27	09/01/2015	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-27	12/01/2015		14.8000		
Zinc, total	ug/L	MW-27	06/27/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-27	11/30/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-27	06/22/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-27	06/12/2019	ND	20.0000		
Zinc, total	ug/L	MW-27	12/05/2019		13.9000		
Zinc, total	ug/L	MW-27	06/17/2020		58.1000		
Zinc, total	ug/L	MW-27	12/07/2020		40.0000		
Zinc, total	ug/L	MW-27	06/22/2021	ND	20.0000		
Zinc, total	ug/L	MW-27	12/02/2021		51.1000		
Zinc, total	ug/L	MW-27	06/08/2022		31.5000		
Zinc, total	ug/L	MW-27	06/06/2023		61.2000		
Zinc, total	ug/L	MW-27	06/12/2025		23.0000		
Antimony, total	ug/L	MW-28	12/10/2014	ND	2.0000		
Antimony, total	ug/L	MW-28	03/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-28	06/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-28	09/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-28	12/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-28	06/27/2016	ND	2.0000		
Antimony, total	ug/L	MW-28	11/30/2016	ND	2.0000		
Antimony, total	ug/L	MW-28	06/22/2017	ND	2.0000		
Antimony, total	ug/L	MW-28	11/15/2017	ND	2.0000		
Antimony, total	ug/L	MW-28	06/18/2018	ND	2.0000		
Antimony, total	ug/L	MW-28	11/28/2018	ND	2.0000		
Antimony, total	ug/L	MW-28	06/12/2019	ND	2.0000		
Antimony, total	ug/L	MW-28	12/05/2019	ND	2.0000		
Antimony, total	ug/L	MW-28	06/17/2020	ND	2.0000		
Antimony, total	ug/L	MW-28	12/07/2020	ND	2.0000		
Antimony, total	ug/L	MW-28	06/22/2021	ND	2.0000		
Antimony, total	ug/L	MW-28	12/02/2021	ND	2.0000		
Antimony, total	ug/L	MW-28	06/08/2022	ND	2.0000		
Antimony, total	ug/L	MW-28	11/22/2022	ND	2.0000		
Antimony, total	ug/L	MW-28	06/06/2023	ND	2.0000		
Antimony, total	ug/L	MW-28	12/04/2023	ND	2.0000		
Antimony, total	ug/L	MW-28	06/06/2024	ND	2.0000		
Antimony, total	ug/L	MW-28	12/04/2024	ND	2.0000		
Antimony, total	ug/L	MW-28	06/12/2025	ND	1.0000	2.0000	**
Antimony, total	ug/L	MW-28	12/09/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-28	12/10/2014	ND	4.0000		
Arsenic, total	ug/L	MW-28	03/04/2015	ND	4.0000		
Arsenic, total	ug/L	MW-28	06/04/2015	ND	4.0000		
Arsenic, total	ug/L	MW-28	09/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-28	12/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-28	06/27/2016	ND	4.0000		
Arsenic, total	ug/L	MW-28	11/30/2016	ND	4.0000		
Arsenic, total	ug/L	MW-28	06/22/2017	ND	4.0000		
Arsenic, total	ug/L	MW-28	11/15/2017	ND	4.0000		
Arsenic, total	ug/L	MW-28	06/18/2018	ND	4.0000		
Arsenic, total	ug/L	MW-28	11/28/2018	ND	4.0000		
Arsenic, total	ug/L	MW-28	06/12/2019	ND	4.0000		
Arsenic, total	ug/L	MW-28	12/05/2019	ND	4.0000		
Arsenic, total	ug/L	MW-28	06/17/2020	ND	4.0000		
Arsenic, total	ug/L	MW-28	12/07/2020	ND	4.0000		
Arsenic, total	ug/L	MW-28	06/22/2021	ND	4.0000		
Arsenic, total	ug/L	MW-28	12/02/2021	ND	4.0000		
Arsenic, total	ug/L	MW-28	06/08/2022	ND	4.0000		
Arsenic, total	ug/L	MW-28	11/22/2022	ND	4.0000		
Arsenic, total	ug/L	MW-28	06/06/2023	ND	4.0000		
Arsenic, total	ug/L	MW-28	12/04/2023	ND	4.0000		
Arsenic, total	ug/L	MW-28	06/06/2024	ND	4.0000		
Arsenic, total	ug/L	MW-28	12/04/2024		5.2000		
Arsenic, total	ug/L	MW-28	06/12/2025	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-28	12/09/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-28	12/10/2014		143.0000		
Barium, total	ug/L	MW-28	03/04/2015		163.0000		
Barium, total	ug/L	MW-28	06/04/2015		176.0000		
Barium, total	ug/L	MW-28	09/01/2015		180.0000		
Barium, total	ug/L	MW-28	12/01/2015		167.0000		
Barium, total	ug/L	MW-28	06/27/2016		165.0000		
Barium, total	ug/L	MW-28	11/30/2016		190.0000		
Barium, total	ug/L	MW-28	06/22/2017		186.0000		
Barium, total	ug/L	MW-28	11/15/2017		166.0000		
Barium, total	ug/L	MW-28	06/18/2018		174.0000		
Barium, total	ug/L	MW-28	11/28/2018		270.0000		

* - 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-28	06/12/2019		179.0000		
Barium, total	ug/L	MW-28	12/05/2019		160.0000		
Barium, total	ug/L	MW-28	06/17/2020		163.0000		
Barium, total	ug/L	MW-28	12/07/2020		159.0000		
Barium, total	ug/L	MW-28	06/22/2021		138.0000		
Barium, total	ug/L	MW-28	12/02/2021		136.0000		
Barium, total	ug/L	MW-28	06/08/2022		130.0000		
Barium, total	ug/L	MW-28	11/22/2022		140.0000		
Barium, total	ug/L	MW-28	06/06/2023		127.0000		
Barium, total	ug/L	MW-28	12/04/2023		109.0000		
Barium, total	ug/L	MW-28	06/06/2024		108.0000		
Barium, total	ug/L	MW-28	12/04/2024		140.0000		
Barium, total	ug/L	MW-28	06/12/2025		115.0000		
Barium, total	ug/L	MW-28	12/09/2025		133.0000		
Beryllium, total	ug/L	MW-28	12/10/2014	ND	4.0000		
Beryllium, total	ug/L	MW-28	03/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-28	06/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-28	09/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-28	12/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-28	06/27/2016	ND	4.0000		
Beryllium, total	ug/L	MW-28	11/30/2016	ND	4.0000		
Beryllium, total	ug/L	MW-28	06/22/2017	ND	4.0000		
Beryllium, total	ug/L	MW-28	11/15/2017	ND	4.0000		
Beryllium, total	ug/L	MW-28	06/18/2018	ND	4.0000		
Beryllium, total	ug/L	MW-28	11/28/2018	ND	4.0000		
Beryllium, total	ug/L	MW-28	06/12/2019	ND	4.0000		
Beryllium, total	ug/L	MW-28	12/05/2019	ND	4.0000		
Beryllium, total	ug/L	MW-28	06/17/2020	ND	4.0000		
Beryllium, total	ug/L	MW-28	12/07/2020	ND	4.0000		
Beryllium, total	ug/L	MW-28	06/22/2021	ND	4.0000		
Beryllium, total	ug/L	MW-28	12/02/2021	ND	4.0000		
Beryllium, total	ug/L	MW-28	06/08/2022	ND	4.0000		
Beryllium, total	ug/L	MW-28	11/22/2022	ND	4.0000		
Beryllium, total	ug/L	MW-28	06/06/2023	ND	4.0000		
Beryllium, total	ug/L	MW-28	12/04/2023	ND	4.0000		
Beryllium, total	ug/L	MW-28	06/06/2024	ND	4.0000		
Beryllium, total	ug/L	MW-28	12/04/2024	ND	4.0000		
Beryllium, total	ug/L	MW-28	06/12/2025	ND	0.5000	4.0000	**
Beryllium, total	ug/L	MW-28	12/09/2025	ND	0.5000	4.0000	**
Cadmium, total	ug/L	MW-28	12/10/2014	ND	0.8000		
Cadmium, total	ug/L	MW-28	03/04/2015		4.5000		
Cadmium, total	ug/L	MW-28	06/04/2015		1.1000		
Cadmium, total	ug/L	MW-28	09/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-28	12/01/2015		3.4000		
Cadmium, total	ug/L	MW-28	06/27/2016		1.7000		
Cadmium, total	ug/L	MW-28	11/30/2016		1.0000		
Cadmium, total	ug/L	MW-28	06/22/2017	ND	0.8000		
Cadmium, total	ug/L	MW-28	11/15/2017		4.9000		
Cadmium, total	ug/L	MW-28	06/18/2018	ND	0.8000		
Cadmium, total	ug/L	MW-28	11/28/2018	ND	0.8000		
Cadmium, total	ug/L	MW-28	06/12/2019	ND	0.8000		
Cadmium, total	ug/L	MW-28	12/05/2019	ND	0.8000		
Cadmium, total	ug/L	MW-28	06/17/2020	ND	0.8000		
Cadmium, total	ug/L	MW-28	12/07/2020	ND	0.8000		
Cadmium, total	ug/L	MW-28	06/22/2021	ND	0.8000		
Cadmium, total	ug/L	MW-28	12/02/2021	ND	0.8000		
Cadmium, total	ug/L	MW-28	06/08/2022	ND	0.8000		
Cadmium, total	ug/L	MW-28	11/22/2022	ND	0.8000		
Cadmium, total	ug/L	MW-28	06/06/2023	ND	0.8000		
Cadmium, total	ug/L	MW-28	12/04/2023	ND	0.8000		
Cadmium, total	ug/L	MW-28	06/06/2024	ND	0.8000		
Cadmium, total	ug/L	MW-28	12/04/2024	ND	0.8000		
Cadmium, total	ug/L	MW-28	06/12/2025		0.2000		
Cadmium, total	ug/L	MW-28	12/09/2025		11.7000		
Chromium, total	ug/L	MW-28	12/10/2014	ND	8.0000		
Chromium, total	ug/L	MW-28	03/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-28	06/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-28	09/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-28	12/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-28	06/27/2016	ND	8.0000		
Chromium, total	ug/L	MW-28	11/30/2016	ND	8.0000		
Chromium, total	ug/L	MW-28	06/22/2017	ND	8.0000		
Chromium, total	ug/L	MW-28	11/15/2017	ND	8.0000		
Chromium, total	ug/L	MW-28	06/18/2018	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-28	11/28/2018	ND	8.0000		
Chromium, total	ug/L	MW-28	06/12/2019	ND	8.0000		
Chromium, total	ug/L	MW-28	12/05/2019	ND	8.0000		
Chromium, total	ug/L	MW-28	06/17/2020	ND	8.0000		
Chromium, total	ug/L	MW-28	12/07/2020	ND	8.0000		
Chromium, total	ug/L	MW-28	06/22/2021	ND	8.0000		
Chromium, total	ug/L	MW-28	12/02/2021	ND	8.0000		
Chromium, total	ug/L	MW-28	06/08/2022	ND	8.0000		
Chromium, total	ug/L	MW-28	11/22/2022	ND	8.0000		
Chromium, total	ug/L	MW-28	06/06/2023	ND	8.0000		
Chromium, total	ug/L	MW-28	12/04/2023	ND	8.0000		
Chromium, total	ug/L	MW-28	06/06/2024	ND	8.0000		
Chromium, total	ug/L	MW-28	12/04/2024	ND	8.0000		
Chromium, total	ug/L	MW-28	06/12/2025	ND	1.0000	8.0000	**
Chromium, total	ug/L	MW-28	12/09/2025		1.4000		
Cobalt, total	ug/L	MW-28	12/10/2014	ND	0.8000		
Cobalt, total	ug/L	MW-28	03/04/2015	ND	0.8000		
Cobalt, total	ug/L	MW-28	06/04/2015	ND	0.8000		
Cobalt, total	ug/L	MW-28	09/01/2015		4.3000		
Cobalt, total	ug/L	MW-28	12/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-28	06/27/2016	ND	0.8000		
Cobalt, total	ug/L	MW-28	11/30/2016	ND	0.8000		
Cobalt, total	ug/L	MW-28	06/22/2017		4.4000		
Cobalt, total	ug/L	MW-28	11/15/2017	ND	0.8000		
Cobalt, total	ug/L	MW-28	06/18/2018	ND	0.8000		
Cobalt, total	ug/L	MW-28	11/28/2018	ND	0.8000		
Cobalt, total	ug/L	MW-28	06/12/2019	ND	0.8000		
Cobalt, total	ug/L	MW-28	12/05/2019	ND	0.8000		
Cobalt, total	ug/L	MW-28	06/17/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-28	12/07/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-28	06/22/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-28	12/02/2021	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-28	06/08/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-28	11/22/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-28	06/06/2023		1.1000		
Cobalt, total	ug/L	MW-28	12/04/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-28	06/06/2024		0.4000		
Cobalt, total	ug/L	MW-28	12/04/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-28	06/12/2025	ND	0.5000	0.8000	**
Cobalt, total	ug/L	MW-28	12/09/2025	ND	0.5000	0.8000	**
Copper, total	ug/L	MW-28	12/10/2014	ND	4.0000		
Copper, total	ug/L	MW-28	03/04/2015		8.9000		
Copper, total	ug/L	MW-28	06/04/2015	ND	4.0000		
Copper, total	ug/L	MW-28	09/01/2015	ND	4.0000		
Copper, total	ug/L	MW-28	12/01/2015		4.6000		
Copper, total	ug/L	MW-28	06/27/2016		5.5000		
Copper, total	ug/L	MW-28	11/30/2016	ND	4.0000		
Copper, total	ug/L	MW-28	06/22/2017	ND	4.0000		
Copper, total	ug/L	MW-28	11/15/2017	ND	4.0000		
Copper, total	ug/L	MW-28	06/18/2018	ND	4.0000		
Copper, total	ug/L	MW-28	11/28/2018		5.0000		
Copper, total	ug/L	MW-28	06/12/2019	ND	4.0000		
Copper, total	ug/L	MW-28	12/05/2019	ND	4.0000		
Copper, total	ug/L	MW-28	06/17/2020	ND	4.0000		
Copper, total	ug/L	MW-28	12/07/2020	ND	4.0000		
Copper, total	ug/L	MW-28	06/22/2021	ND	4.0000		
Copper, total	ug/L	MW-28	12/02/2021	ND	4.0000		
Copper, total	ug/L	MW-28	06/08/2022	ND	4.0000		
Copper, total	ug/L	MW-28	11/22/2022	ND	4.0000		
Copper, total	ug/L	MW-28	06/06/2023	ND	4.0000		
Copper, total	ug/L	MW-28	12/04/2023	ND	4.0000		
Copper, total	ug/L	MW-28	06/06/2024	ND	4.0000		
Copper, total	ug/L	MW-28	12/04/2024	ND	4.0000		
Copper, total	ug/L	MW-28	06/12/2025	ND	5.0000	4.0000	**
Copper, total	ug/L	MW-28	12/09/2025		12.4000		
Lead, total	ug/L	MW-28	12/10/2014	ND	4.0000		
Lead, total	ug/L	MW-28	03/04/2015	ND	4.0000		
Lead, total	ug/L	MW-28	06/04/2015	ND	4.0000		
Lead, total	ug/L	MW-28	09/01/2015	ND	4.0000		
Lead, total	ug/L	MW-28	12/01/2015	ND	4.0000		
Lead, total	ug/L	MW-28	06/27/2016	ND	4.0000		
Lead, total	ug/L	MW-28	11/30/2016	ND	4.0000		
Lead, total	ug/L	MW-28	06/22/2017	ND	4.0000		
Lead, total	ug/L	MW-28	11/15/2017	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	
Lead, total	ug/L	MW-28	06/18/2018	ND	4.0000		
Lead, total	ug/L	MW-28	11/28/2018	ND	4.0000		
Lead, total	ug/L	MW-28	06/12/2019	ND	4.0000		
Lead, total	ug/L	MW-28	12/05/2019	ND	4.0000		
Lead, total	ug/L	MW-28	06/17/2020	ND	4.0000		
Lead, total	ug/L	MW-28	12/07/2020	ND	4.0000		
Lead, total	ug/L	MW-28	06/22/2021	ND	4.0000		
Lead, total	ug/L	MW-28	12/02/2021	ND	4.0000		
Lead, total	ug/L	MW-28	06/08/2022	ND	4.0000		
Lead, total	ug/L	MW-28	11/22/2022	ND	4.0000		
Lead, total	ug/L	MW-28	06/06/2023	ND	4.0000		
Lead, total	ug/L	MW-28	12/04/2023	ND	4.0000		
Lead, total	ug/L	MW-28	06/06/2024	ND	4.0000		
Lead, total	ug/L	MW-28	12/04/2024	ND	4.0000		
Lead, total	ug/L	MW-28	06/12/2025	ND	1.0000	4.0000	**
Lead, total	ug/L	MW-28	12/09/2025	ND	1.0000	4.0000	**
Nickel, total	ug/L	MW-28	12/10/2014	ND	4.0000		
Nickel, total	ug/L	MW-28	03/04/2015	ND	4.0000		
Nickel, total	ug/L	MW-28	06/04/2015	ND	4.0000		
Nickel, total	ug/L	MW-28	09/01/2015		9.7000		
Nickel, total	ug/L	MW-28	12/01/2015	ND	4.0000		
Nickel, total	ug/L	MW-28	06/27/2016		4.1000		
Nickel, total	ug/L	MW-28	11/30/2016	ND	4.0000		
Nickel, total	ug/L	MW-28	06/22/2017		9.0000		
Nickel, total	ug/L	MW-28	11/15/2017	ND	4.0000		
Nickel, total	ug/L	MW-28	06/18/2018	ND	4.0000		
Nickel, total	ug/L	MW-28	11/28/2018		22.0000		*
Nickel, total	ug/L	MW-28	06/12/2019		4.9000		
Nickel, total	ug/L	MW-28	12/05/2019	ND	4.0000		
Nickel, total	ug/L	MW-28	06/17/2020		4.0000		
Nickel, total	ug/L	MW-28	12/07/2020	ND	4.0000		
Nickel, total	ug/L	MW-28	06/22/2021		4.9000		
Nickel, total	ug/L	MW-28	12/02/2021	ND	4.0000		
Nickel, total	ug/L	MW-28	06/08/2022	ND	4.0000		
Nickel, total	ug/L	MW-28	11/22/2022	ND	4.0000		
Nickel, total	ug/L	MW-28	06/06/2023	ND	4.0000		
Nickel, total	ug/L	MW-28	12/04/2023	ND	4.0000		
Nickel, total	ug/L	MW-28	06/06/2024	ND	4.0000		
Nickel, total	ug/L	MW-28	12/04/2024	ND	4.0000		
Nickel, total	ug/L	MW-28	06/12/2025	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-28	12/09/2025		5.6000		
Selenium, total	ug/L	MW-28	12/10/2014	ND	4.0000		
Selenium, total	ug/L	MW-28	03/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-28	06/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-28	09/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-28	12/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-28	06/27/2016	ND	4.0000		
Selenium, total	ug/L	MW-28	11/30/2016	ND	4.0000		
Selenium, total	ug/L	MW-28	06/22/2017	ND	4.0000		
Selenium, total	ug/L	MW-28	11/15/2017	ND	4.0000		
Selenium, total	ug/L	MW-28	06/18/2018	ND	8.0000	4.0000	**
Selenium, total	ug/L	MW-28	11/28/2018	ND	4.0000		
Selenium, total	ug/L	MW-28	06/12/2019	ND	4.0000		
Selenium, total	ug/L	MW-28	12/05/2019	ND	4.0000		
Selenium, total	ug/L	MW-28	06/17/2020	ND	4.0000		
Selenium, total	ug/L	MW-28	12/07/2020	ND	4.0000		
Selenium, total	ug/L	MW-28	06/22/2021	ND	4.0000		
Selenium, total	ug/L	MW-28	12/02/2021	ND	4.0000		
Selenium, total	ug/L	MW-28	06/08/2022	ND	4.0000		
Selenium, total	ug/L	MW-28	11/22/2022	ND	4.0000		
Selenium, total	ug/L	MW-28	06/06/2023	ND	4.0000		
Selenium, total	ug/L	MW-28	12/04/2023	ND	4.0000		
Selenium, total	ug/L	MW-28	06/06/2024	ND	4.0000		
Selenium, total	ug/L	MW-28	12/04/2024	ND	4.0000		
Selenium, total	ug/L	MW-28	06/12/2025	ND	2.0000	4.0000	**
Selenium, total	ug/L	MW-28	12/09/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-28	12/10/2014	ND	4.0000		
Silver, total	ug/L	MW-28	03/04/2015	ND	4.0000		
Silver, total	ug/L	MW-28	06/04/2015	ND	4.0000		
Silver, total	ug/L	MW-28	09/01/2015	ND	4.0000		
Silver, total	ug/L	MW-28	12/01/2015	ND	4.0000		
Silver, total	ug/L	MW-28	06/27/2016	ND	4.0000		
Silver, total	ug/L	MW-28	11/30/2016	ND	4.0000		
Silver, total	ug/L	MW-28	06/22/2017	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-28	11/15/2017	ND	4.0000		
Silver, total	ug/L	MW-28	06/18/2018	ND	4.0000		
Silver, total	ug/L	MW-28	11/28/2018	ND	4.0000		
Silver, total	ug/L	MW-28	06/12/2019	ND	8.0000	4.0000	**
Silver, total	ug/L	MW-28	12/05/2019	ND	4.0000		
Silver, total	ug/L	MW-28	06/17/2020	ND	4.0000		
Silver, total	ug/L	MW-28	12/07/2020	ND	4.0000		
Silver, total	ug/L	MW-28	06/22/2021	ND	4.0000		
Silver, total	ug/L	MW-28	12/02/2021	ND	4.0000		
Silver, total	ug/L	MW-28	06/08/2022	ND	4.0000		
Silver, total	ug/L	MW-28	11/22/2022	ND	4.0000		
Silver, total	ug/L	MW-28	06/06/2023	ND	4.0000		
Silver, total	ug/L	MW-28	12/04/2023	ND	4.0000		
Silver, total	ug/L	MW-28	06/06/2024	ND	4.0000		
Silver, total	ug/L	MW-28	12/04/2024	ND	4.0000		
Silver, total	ug/L	MW-28	06/12/2025	ND	5.0000	4.0000	**
Silver, total	ug/L	MW-28	12/09/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-28	12/10/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	03/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	06/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	09/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	12/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	06/27/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	11/30/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	06/22/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	11/15/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	06/18/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	11/28/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	06/12/2019	ND	2.0000		
Thallium, total	ug/L	MW-28	12/05/2019	ND	2.0000		
Thallium, total	ug/L	MW-28	06/17/2020	ND	2.0000		
Thallium, total	ug/L	MW-28	12/07/2020	ND	2.0000		
Thallium, total	ug/L	MW-28	06/22/2021	ND	2.0000		
Thallium, total	ug/L	MW-28	12/02/2021	ND	2.0000		
Thallium, total	ug/L	MW-28	06/08/2022	ND	2.0000		
Thallium, total	ug/L	MW-28	11/22/2022	ND	2.0000		
Thallium, total	ug/L	MW-28	06/06/2023	ND	2.0000		
Thallium, total	ug/L	MW-28	12/04/2023	ND	2.0000		
Thallium, total	ug/L	MW-28	06/06/2024	ND	2.0000		
Thallium, total	ug/L	MW-28	12/04/2024	ND	2.0000		
Thallium, total	ug/L	MW-28	06/12/2025	ND	0.5000	2.0000	**
Thallium, total	ug/L	MW-28	12/09/2025	ND	0.5000	2.0000	**
Vanadium, total	ug/L	MW-28	12/10/2014	ND	20.0000		
Vanadium, total	ug/L	MW-28	03/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-28	06/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-28	09/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-28	12/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-28	06/27/2016	ND	20.0000		
Vanadium, total	ug/L	MW-28	11/30/2016	ND	20.0000		
Vanadium, total	ug/L	MW-28	06/22/2017	ND	20.0000		
Vanadium, total	ug/L	MW-28	11/15/2017	ND	20.0000		
Vanadium, total	ug/L	MW-28	06/18/2018	ND	20.0000		
Vanadium, total	ug/L	MW-28	11/28/2018	ND	20.0000		
Vanadium, total	ug/L	MW-28	06/12/2019	ND	20.0000		
Vanadium, total	ug/L	MW-28	12/05/2019	ND	20.0000		
Vanadium, total	ug/L	MW-28	06/17/2020	ND	20.0000		
Vanadium, total	ug/L	MW-28	12/07/2020	ND	20.0000		
Vanadium, total	ug/L	MW-28	06/22/2021	ND	20.0000		
Vanadium, total	ug/L	MW-28	12/02/2021	ND	20.0000		
Vanadium, total	ug/L	MW-28	06/08/2022	ND	20.0000		
Vanadium, total	ug/L	MW-28	11/22/2022	ND	20.0000		
Vanadium, total	ug/L	MW-28	06/06/2023	ND	20.0000		
Vanadium, total	ug/L	MW-28	12/04/2023	ND	20.0000		
Vanadium, total	ug/L	MW-28	06/06/2024	ND	20.0000		
Vanadium, total	ug/L	MW-28	12/04/2024	ND	20.0000		
Vanadium, total	ug/L	MW-28	06/12/2025	ND	2.0000	20.0000	**
Vanadium, total	ug/L	MW-28	12/09/2025	ND	2.0000	20.0000	**
Zinc, total	ug/L	MW-28	12/10/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-28	03/04/2015		8.6000		
Zinc, total	ug/L	MW-28	06/04/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-28	09/01/2015		10.0000		
Zinc, total	ug/L	MW-28	12/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-28	06/27/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-28	11/30/2016	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-28	06/22/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-28	11/15/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-28	06/18/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-28	11/28/2018	ND	20.0000		
Zinc, total	ug/L	MW-28	06/12/2019	ND	20.0000		
Zinc, total	ug/L	MW-28	12/05/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-28	06/17/2020	ND	20.0000		
Zinc, total	ug/L	MW-28	12/07/2020	ND	20.0000		
Zinc, total	ug/L	MW-28	06/22/2021	ND	20.0000		
Zinc, total	ug/L	MW-28	12/02/2021	ND	20.0000		
Zinc, total	ug/L	MW-28	06/08/2022	ND	20.0000		
Zinc, total	ug/L	MW-28	11/22/2022	ND	20.0000		
Zinc, total	ug/L	MW-28	06/06/2023	ND	20.0000		
Zinc, total	ug/L	MW-28	12/04/2023	ND	20.0000		
Zinc, total	ug/L	MW-28	06/06/2024	ND	20.0000		
Zinc, total	ug/L	MW-28	12/04/2024	ND	20.0000		
Zinc, total	ug/L	MW-28	06/12/2025		11.5000		
Zinc, total	ug/L	MW-28	12/09/2025		11.2000		
Antimony, total	ug/L	MW-29	12/10/2014	ND	2.0000		
Antimony, total	ug/L	MW-29	03/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-29	06/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-29	09/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-29	12/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-29	06/27/2016	ND	2.0000		
Antimony, total	ug/L	MW-29	11/30/2016	ND	2.0000		
Antimony, total	ug/L	MW-29	06/22/2017	ND	2.0000		
Antimony, total	ug/L	MW-29	11/28/2018	ND	2.0000		
Antimony, total	ug/L	MW-29	06/12/2019	ND	2.0000		
Antimony, total	ug/L	MW-29	12/05/2019	ND	2.0000		
Arsenic, total	ug/L	MW-29	12/10/2014	ND	4.0000		
Arsenic, total	ug/L	MW-29	03/04/2015	ND	4.0000		
Arsenic, total	ug/L	MW-29	06/04/2015	ND	4.0000		
Arsenic, total	ug/L	MW-29	09/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-29	12/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-29	06/27/2016	ND	4.0000		
Arsenic, total	ug/L	MW-29	11/30/2016	ND	4.0000		
Arsenic, total	ug/L	MW-29	06/22/2017	ND	4.0000		
Arsenic, total	ug/L	MW-29	11/28/2018	ND	4.0000		
Arsenic, total	ug/L	MW-29	06/12/2019	ND	4.0000		
Arsenic, total	ug/L	MW-29	12/05/2019	ND	4.0000		
Barium, total	ug/L	MW-29	12/10/2014		223.0000		
Barium, total	ug/L	MW-29	03/04/2015		268.0000		
Barium, total	ug/L	MW-29	06/04/2015		224.0000		
Barium, total	ug/L	MW-29	09/01/2015		200.0000		
Barium, total	ug/L	MW-29	12/01/2015		240.0000		
Barium, total	ug/L	MW-29	06/27/2016		199.0000		
Barium, total	ug/L	MW-29	11/30/2016		199.0000		
Barium, total	ug/L	MW-29	06/22/2017		203.0000		
Barium, total	ug/L	MW-29	11/28/2018		413.0000		
Barium, total	ug/L	MW-29	06/12/2019		213.0000		
Barium, total	ug/L	MW-29	12/05/2019		233.0000		
Beryllium, total	ug/L	MW-29	12/10/2014	ND	4.0000		
Beryllium, total	ug/L	MW-29	03/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-29	06/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-29	09/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-29	12/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-29	06/27/2016	ND	4.0000		
Beryllium, total	ug/L	MW-29	11/30/2016	ND	4.0000		
Beryllium, total	ug/L	MW-29	06/22/2017	ND	4.0000		
Beryllium, total	ug/L	MW-29	11/28/2018	ND	4.0000		
Beryllium, total	ug/L	MW-29	06/12/2019	ND	4.0000		
Beryllium, total	ug/L	MW-29	12/05/2019	ND	4.0000		
Cadmium, total	ug/L	MW-29	12/10/2014		1.0000		
Cadmium, total	ug/L	MW-29	03/04/2015		1.0000		
Cadmium, total	ug/L	MW-29	06/04/2015	ND	0.8000		
Cadmium, total	ug/L	MW-29	09/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-29	12/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-29	06/27/2016	ND	0.8000		
Cadmium, total	ug/L	MW-29	11/30/2016		1.5000		
Cadmium, total	ug/L	MW-29	06/22/2017	ND	0.8000		
Cadmium, total	ug/L	MW-29	11/28/2018	ND	0.8000		
Cadmium, total	ug/L	MW-29	06/12/2019	ND	0.8000		
Cadmium, total	ug/L	MW-29	12/05/2019	ND	0.8000		
Chromium, total	ug/L	MW-29	12/10/2014	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-29	03/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-29	06/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-29	09/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-29	12/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-29	06/27/2016	ND	8.0000		
Chromium, total	ug/L	MW-29	11/30/2016	ND	8.0000		
Chromium, total	ug/L	MW-29	06/22/2017	ND	8.0000		
Chromium, total	ug/L	MW-29	11/28/2018	ND	8.0000		
Chromium, total	ug/L	MW-29	06/12/2019	ND	8.0000		
Chromium, total	ug/L	MW-29	12/05/2019	ND	8.0000		
Cobalt, total	ug/L	MW-29	12/10/2014		1.2000		
Cobalt, total	ug/L	MW-29	03/04/2015		4.8000		*
Cobalt, total	ug/L	MW-29	06/04/2015	ND	0.8000		
Cobalt, total	ug/L	MW-29	09/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-29	12/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-29	06/27/2016	ND	0.8000		
Cobalt, total	ug/L	MW-29	11/30/2016	ND	0.8000		
Cobalt, total	ug/L	MW-29	06/22/2017	ND	0.8000		
Cobalt, total	ug/L	MW-29	11/28/2018	ND	0.8000		
Cobalt, total	ug/L	MW-29	06/12/2019	ND	0.8000		
Cobalt, total	ug/L	MW-29	12/05/2019		1.2000		
Copper, total	ug/L	MW-29	12/10/2014		9.6000		
Copper, total	ug/L	MW-29	03/04/2015		12.9000		
Copper, total	ug/L	MW-29	06/04/2015	ND	4.0000		
Copper, total	ug/L	MW-29	09/01/2015	ND	4.0000		
Copper, total	ug/L	MW-29	12/01/2015	ND	4.0000		
Copper, total	ug/L	MW-29	06/27/2016	ND	4.0000		
Copper, total	ug/L	MW-29	11/30/2016	ND	4.0000		
Copper, total	ug/L	MW-29	06/22/2017	ND	4.0000		
Copper, total	ug/L	MW-29	11/28/2018	ND	4.0000		
Copper, total	ug/L	MW-29	06/12/2019	ND	4.0000		
Copper, total	ug/L	MW-29	12/05/2019	ND	4.0000		
Lead, total	ug/L	MW-29	12/10/2014	ND	4.0000		
Lead, total	ug/L	MW-29	03/04/2015	ND	4.0000		
Lead, total	ug/L	MW-29	06/04/2015	ND	4.0000		
Lead, total	ug/L	MW-29	09/01/2015	ND	4.0000		
Lead, total	ug/L	MW-29	12/01/2015	ND	4.0000		
Lead, total	ug/L	MW-29	06/27/2016	ND	4.0000		
Lead, total	ug/L	MW-29	11/30/2016	ND	4.0000		
Lead, total	ug/L	MW-29	06/22/2017	ND	4.0000		
Lead, total	ug/L	MW-29	11/28/2018	ND	4.0000		
Lead, total	ug/L	MW-29	06/12/2019	ND	4.0000		
Lead, total	ug/L	MW-29	12/05/2019	ND	4.0000		
Nickel, total	ug/L	MW-29	12/10/2014		11.9000		
Nickel, total	ug/L	MW-29	03/04/2015		19.2000		
Nickel, total	ug/L	MW-29	06/04/2015	ND	4.0000		
Nickel, total	ug/L	MW-29	09/01/2015	ND	4.0000		
Nickel, total	ug/L	MW-29	12/01/2015		4.4000		
Nickel, total	ug/L	MW-29	06/27/2016	ND	4.0000		
Nickel, total	ug/L	MW-29	11/30/2016	ND	4.0000		
Nickel, total	ug/L	MW-29	06/22/2017	ND	4.0000		
Nickel, total	ug/L	MW-29	11/28/2018		9.5000		
Nickel, total	ug/L	MW-29	06/12/2019	ND	4.0000		
Nickel, total	ug/L	MW-29	12/05/2019		8.8000		
Selenium, total	ug/L	MW-29	12/10/2014	ND	4.0000		
Selenium, total	ug/L	MW-29	03/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-29	06/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-29	09/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-29	12/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-29	06/27/2016	ND	4.0000		
Selenium, total	ug/L	MW-29	11/30/2016	ND	4.0000		
Selenium, total	ug/L	MW-29	06/22/2017	ND	4.0000		
Selenium, total	ug/L	MW-29	11/28/2018		4.8000		
Selenium, total	ug/L	MW-29	06/12/2019	ND	4.0000		
Selenium, total	ug/L	MW-29	12/05/2019	ND	4.0000		
Silver, total	ug/L	MW-29	12/10/2014	ND	4.0000		
Silver, total	ug/L	MW-29	03/04/2015	ND	4.0000		
Silver, total	ug/L	MW-29	06/04/2015	ND	4.0000		
Silver, total	ug/L	MW-29	09/01/2015	ND	4.0000		
Silver, total	ug/L	MW-29	12/01/2015	ND	4.0000		
Silver, total	ug/L	MW-29	06/27/2016	ND	4.0000		
Silver, total	ug/L	MW-29	11/30/2016	ND	4.0000		
Silver, total	ug/L	MW-29	06/22/2017	ND	4.0000		
Silver, total	ug/L	MW-29	11/28/2018	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	
Silver, total	ug/L	MW-29	06/12/2019	ND	8.0000	4.0000	**
Silver, total	ug/L	MW-29	12/05/2019	ND	4.0000		
Thallium, total	ug/L	MW-29	12/10/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-29	03/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-29	06/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-29	09/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-29	12/01/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-29	06/27/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-29	11/30/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-29	06/22/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-29	11/28/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-29	06/12/2019	ND	2.0000		
Thallium, total	ug/L	MW-29	12/05/2019	ND	2.0000		
Vanadium, total	ug/L	MW-29	12/10/2014	ND	20.0000		
Vanadium, total	ug/L	MW-29	03/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-29	06/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-29	09/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-29	12/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-29	06/27/2016	ND	20.0000		
Vanadium, total	ug/L	MW-29	11/30/2016	ND	20.0000		
Vanadium, total	ug/L	MW-29	06/22/2017	ND	20.0000		
Vanadium, total	ug/L	MW-29	11/28/2018	ND	20.0000		
Vanadium, total	ug/L	MW-29	06/12/2019	ND	20.0000		
Vanadium, total	ug/L	MW-29	12/05/2019	ND	20.0000		
Zinc, total	ug/L	MW-29	12/10/2014	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-29	03/04/2015		12.0000		
Zinc, total	ug/L	MW-29	06/04/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-29	09/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-29	12/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-29	06/27/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-29	11/30/2016		8.0000		
Zinc, total	ug/L	MW-29	06/22/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-29	11/28/2018	ND	20.0000		
Zinc, total	ug/L	MW-29	06/12/2019	ND	20.0000		
Zinc, total	ug/L	MW-29	12/05/2019	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 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, total	ug/L	GU-6	12/09/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	GU-6	12/09/2025	ND	2.0000		12.6000
Barium, total	ug/L	GU-6	12/09/2025		71.3000		960.0000
Beryllium, total	ug/L	GU-6	12/09/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	GU-6	12/09/2025		0.2000		11.7000
Chromium, total	ug/L	GU-6	12/09/2025	ND	1.0000		8.0000
Cobalt, total	ug/L	GU-6	12/09/2025	ND	0.5000		10.7000
Copper, total	ug/L	GU-6	12/09/2025	ND	5.0000		14.3000
Lead, total	ug/L	GU-6	12/09/2025	ND	1.0000		4.0000
Nickel, total	ug/L	GU-6	12/09/2025		5.9000		31.8000
Selenium, total	ug/L	GU-6	12/09/2025	ND	2.0000		4.8000
Silver, total	ug/L	GU-6	12/09/2025	ND	5.0000		4.0000
Thallium, total	ug/L	GU-6	12/09/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	GU-6	12/09/2025	ND	2.0000		20.0000
Zinc, total	ug/L	GU-6	12/09/2025		8.7000		71.9000
Antimony, total	ug/L	MW-15	12/09/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-15	12/09/2025		5.5000		12.6000
Barium, total	ug/L	MW-15	12/09/2025		38.0000		960.0000
Beryllium, total	ug/L	MW-15	12/09/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-15	12/09/2025		0.5000		11.7000
Chromium, total	ug/L	MW-15	12/09/2025	ND	1.0000		8.0000
Cobalt, total	ug/L	MW-15	12/09/2025		2.4000	**	10.7000
Copper, total	ug/L	MW-15	12/09/2025	ND	5.0000		14.3000
Lead, total	ug/L	MW-15	12/09/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-15	12/09/2025		7.6000		31.8000
Selenium, total	ug/L	MW-15	12/09/2025	ND	2.0000		4.8000
Silver, total	ug/L	MW-15	12/09/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-15	12/09/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-15	12/09/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-15	12/09/2025		7.0000		71.9000
Antimony, total	ug/L	MW-16	12/09/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-16	12/09/2025	ND	2.0000		12.6000
Barium, total	ug/L	MW-16	12/09/2025		39.7000		960.0000
Beryllium, total	ug/L	MW-16	12/09/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-16	12/09/2025		0.3000		11.7000
Chromium, total	ug/L	MW-16	12/09/2025	ND	1.0000		8.0000
Cobalt, total	ug/L	MW-16	12/09/2025		1.7000		10.7000
Copper, total	ug/L	MW-16	12/09/2025	ND	5.0000		14.3000
Lead, total	ug/L	MW-16	12/09/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-16	12/09/2025		8.1000		31.8000
Selenium, total	ug/L	MW-16	12/09/2025	ND	2.0000		4.8000
Silver, total	ug/L	MW-16	12/09/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-16	12/09/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-16	12/09/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-16	12/09/2025		5.3000		71.9000
Antimony, total	ug/L	MW-18	12/09/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-18	12/09/2025	ND	2.0000		12.6000
Barium, total	ug/L	MW-18	12/09/2025		315.0000		960.0000
Beryllium, total	ug/L	MW-18	12/09/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-18	12/09/2025		0.4000		11.7000
Chromium, total	ug/L	MW-18	12/09/2025		1.1000		8.0000
Cobalt, total	ug/L	MW-18	12/09/2025	ND	0.5000		10.7000
Copper, total	ug/L	MW-18	12/09/2025	ND	5.0000		14.3000
Lead, total	ug/L	MW-18	12/09/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-18	12/09/2025		5.0000		31.8000
Selenium, total	ug/L	MW-18	12/09/2025	ND	2.0000		4.8000
Silver, total	ug/L	MW-18	12/09/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-18	12/09/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-18	12/09/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-18	12/09/2025		7.4000		71.9000
Antimony, total	ug/L	MW-23	12/09/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	MW-23	12/09/2025		8.9000	**	12.6000
Barium, total	ug/L	MW-23	12/09/2025		207.0000		960.0000
Beryllium, total	ug/L	MW-23	12/09/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	MW-23	12/09/2025		1.0000		11.7000
Chromium, total	ug/L	MW-23	12/09/2025		1.1000		8.0000
Cobalt, total	ug/L	MW-23	12/09/2025		3.2000		10.7000
Copper, total	ug/L	MW-23	12/09/2025		18.8000	*	14.3000
Lead, total	ug/L	MW-23	12/09/2025	ND	1.0000		4.0000
Nickel, total	ug/L	MW-23	12/09/2025		20.0000		31.8000
Selenium, total	ug/L	MW-23	12/09/2025	ND	2.0000		4.8000
Silver, total	ug/L	MW-23	12/09/2025	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-23	12/09/2025	ND	0.5000	2.0000
Vanadium, total	ug/L	MW-23	12/09/2025	ND	2.0000	20.0000
Zinc, total	ug/L	MW-23	12/09/2025		10.1000	71.9000
Antimony, total	ug/L	MW-30	12/09/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-30	12/09/2025	ND	2.0000	12.6000
Barium, total	ug/L	MW-30	12/09/2025		28.8000	960.0000
Beryllium, total	ug/L	MW-30	12/09/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-30	12/09/2025		2.5000	11.7000
Chromium, total	ug/L	MW-30	12/09/2025	ND	1.0000	8.0000
Cobalt, total	ug/L	MW-30	12/09/2025	ND	0.5000	10.7000
Copper, total	ug/L	MW-30	12/09/2025	ND	5.0000	14.3000
Lead, total	ug/L	MW-30	12/09/2025	ND	1.0000	4.0000
Nickel, total	ug/L	MW-30	12/09/2025	ND	5.0000	31.8000
Selenium, total	ug/L	MW-30	12/09/2025	ND	2.0000	4.8000
Silver, total	ug/L	MW-30	12/09/2025	ND	5.0000	4.0000
Thallium, total	ug/L	MW-30	12/09/2025	ND	0.5000	2.0000
Vanadium, total	ug/L	MW-30	12/09/2025	ND	2.0000	20.0000
Zinc, total	ug/L	MW-30	12/09/2025		7.6000	71.9000
Antimony, total	ug/L	MW-40	12/09/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-40	12/09/2025	ND	2.0000	12.6000
Barium, total	ug/L	MW-40	12/09/2025		41.0000	960.0000
Beryllium, total	ug/L	MW-40	12/09/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-40	12/09/2025		0.3000	11.7000
Chromium, total	ug/L	MW-40	12/09/2025		1.2000	8.0000
Cobalt, total	ug/L	MW-40	12/09/2025		1.8000	10.7000
Copper, total	ug/L	MW-40	12/09/2025	ND	5.0000	14.3000
Lead, total	ug/L	MW-40	12/09/2025	ND	1.0000	4.0000
Nickel, total	ug/L	MW-40	12/09/2025		5.4000	31.8000
Selenium, total	ug/L	MW-40	12/09/2025	ND	2.0000	4.8000
Silver, total	ug/L	MW-40	12/09/2025	ND	5.0000	4.0000
Thallium, total	ug/L	MW-40	12/09/2025	ND	0.5000	2.0000
Vanadium, total	ug/L	MW-40	12/09/2025	ND	2.0000	20.0000
Zinc, total	ug/L	MW-40	12/09/2025		5.1000	71.9000
Antimony, total	ug/L	MW-41	12/09/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-41	12/09/2025	ND	2.0000	12.6000
Barium, total	ug/L	MW-41	12/09/2025		103.0000	960.0000
Beryllium, total	ug/L	MW-41	12/09/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-41	12/09/2025		0.2000	11.7000
Chromium, total	ug/L	MW-41	12/09/2025		10.3000 *	8.0000
Cobalt, total	ug/L	MW-41	12/09/2025	ND	0.5000	10.7000
Copper, total	ug/L	MW-41	12/09/2025	ND	5.0000	14.3000
Lead, total	ug/L	MW-41	12/09/2025	ND	1.0000	4.0000
Nickel, total	ug/L	MW-41	12/09/2025	ND	5.0000	31.8000
Selenium, total	ug/L	MW-41	12/09/2025	ND	2.0000	4.8000
Silver, total	ug/L	MW-41	12/09/2025	ND	5.0000	4.0000
Thallium, total	ug/L	MW-41	12/09/2025	ND	0.5000	2.0000
Vanadium, total	ug/L	MW-41	12/09/2025	ND	2.0000	20.0000
Zinc, total	ug/L	MW-41	12/09/2025	ND	5.0000	71.9000
Antimony, total	ug/L	MW-42	12/09/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-42	12/09/2025	ND	2.0000	12.6000
Barium, total	ug/L	MW-42	12/09/2025		405.0000	960.0000
Beryllium, total	ug/L	MW-42	12/09/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-42	12/09/2025		0.3000	11.7000
Chromium, total	ug/L	MW-42	12/09/2025		1.0000	8.0000
Cobalt, total	ug/L	MW-42	12/09/2025		3.4000	10.7000
Copper, total	ug/L	MW-42	12/09/2025	ND	5.0000	14.3000
Lead, total	ug/L	MW-42	12/09/2025	ND	1.0000	4.0000
Nickel, total	ug/L	MW-42	12/09/2025		11.9000	31.8000
Selenium, total	ug/L	MW-42	12/09/2025	ND	2.0000	4.8000
Silver, total	ug/L	MW-42	12/09/2025	ND	5.0000	4.0000
Thallium, total	ug/L	MW-42	12/09/2025	ND	0.5000	2.0000
Vanadium, total	ug/L	MW-42	12/09/2025	ND	2.0000	20.0000
Zinc, total	ug/L	MW-42	12/09/2025		5.4000	71.9000
Antimony, total	ug/L	MW-43	12/09/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-43	12/09/2025	ND	2.0000	12.6000
Barium, total	ug/L	MW-43	12/09/2025		19.2000	960.0000
Beryllium, total	ug/L	MW-43	12/09/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-43	12/09/2025		0.8000	11.7000
Chromium, total	ug/L	MW-43	12/09/2025	ND	1.0000	8.0000
Cobalt, total	ug/L	MW-43	12/09/2025		6.3000	10.7000
Copper, total	ug/L	MW-43	12/09/2025	ND	5.0000	14.3000
Lead, total	ug/L	MW-43	12/09/2025	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-43	12/09/2025		15.3000		31.8000
Selenium, total	ug/L	MW-43	12/09/2025	ND	2.0000		4.8000
Silver, total	ug/L	MW-43	12/09/2025	ND	5.0000		4.0000
Thallium, total	ug/L	MW-43	12/09/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	MW-43	12/09/2025	ND	2.0000		20.0000
Zinc, total	ug/L	MW-43	12/09/2025		8.2000		71.9000

* - Current value failed - awaiting verification.
 ** - Current value passed - previous exceedance not verified.
 *** - Current value failed - exceedance verified.
 **** - Current value passed - awaiting one more verification.
 ***** - Insufficient background data to compute prediction limit.
 ND = Not Detected, Result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Antimony, total	0	101	0.000	0	187	0.000
Arsenic, total	18	100	0.180	53	191	0.277
Barium, total	101	101	1.000	187	187	1.000
Beryllium, total	0	101	0.000	0	187	0.000
Cadmium, total	27	100	0.270	40	188	0.213
Chromium, total	6	101	0.059	20	189	0.106
Cobalt, total	39	99	0.394	94	189	0.497
Copper, total	16	101	0.158	19	187	0.102
Lead, total	0	101	0.000	2	187	0.011
Nickel, total	49	100	0.490	113	189	0.598
Selenium, total	1	101	0.010	2	187	0.011
Silver, total	0	101	0.000	0	187	0.000
Thallium, total	0	101	0.000	0	187	0.000
Vanadium, total	3	101	0.030	3	187	0.016
Zinc, total	24	101	0.238	41	189	0.217

N = Total number of measurements in all wells.

Detect = Total number of detections in all wells.

Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub	Crit Value	Dist Form	Model Type
Antimony, total	0	101	0.000									nonpar
Arsenic, total	18	100	0.180	2.043	0.921					2.326	normal	nonpar
Barium, total	101	101	1.000	6.576	3.850					2.326	non-norm	nonpar
Beryllium, total	0	101	0.000									nonpar
Cadmium, total	27	100	0.270	0.773	0.029					2.326	normal	nonpar
Chromium, total	6	101	0.059									nonpar
Cobalt, total	39	99	0.394	2.939	0.036					2.326	lognor	nonpar
Copper, total	16	101	0.158	0.345	0.651					2.326	normal	nonpar
Lead, total	0	101	0.000									nonpar
Nickel, total	49	100	0.490	3.485	2.091					2.326	lognor	nonpar
Selenium, total	1	101	0.010									nonpar
Silver, total	0	101	0.000									nonpar
Thallium, total	0	101	0.000									nonpar
Vanadium, total	3	101	0.030									nonpar
Zinc, total	24	101	0.238	1.035	0.191					2.326	normal	nonpar

* - Distribution override for that constituent.

Fit to distribution is confirmed if $G \leq$ critical value.

Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Antimony, total	ug/L	0	101					2.0000	nonpar	***	0.99
Arsenic, total	ug/L	18	100					12.6000	nonpar		0.99
Barium, total	ug/L	101	101					960.0000	nonpar		0.99
Beryllium, total	ug/L	0	101					4.0000	nonpar	***	0.99
Cadmium, total	ug/L	27	100					11.7000	nonpar		0.99
Chromium, total	ug/L	6	101					8.0000	nonpar	***	0.99
Cobalt, total	ug/L	39	99					10.7000	nonpar		0.99
Copper, total	ug/L	16	101					14.3000	nonpar		0.99
Lead, total	ug/L	0	101					4.0000	nonpar	***	0.99
Nickel, total	ug/L	49	100					31.8000	nonpar		0.99
Selenium, total	ug/L	1	101					4.8000	nonpar		0.99
Silver, total	ug/L	0	101					4.0000	nonpar	***	0.99
Thallium, total	ug/L	0	101					2.0000	nonpar	***	0.99
Vanadium, total	ug/L	3	101					20.0000	nonpar	***	0.99
Zinc, total	ug/L	24	101					71.9000	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
Arsenic, total	ug/L	MW-11	06/06/2024	34.4000		12/10/2014-12/09/2025	25	0.4893
Cadmium, total	ug/L	MW-11	06/12/2025	0.2000		12/10/2014-12/09/2025	25	0.4893
Cobalt, total	ug/L	MW-11	06/06/2024	29.8000		12/10/2014-12/09/2025	25	0.4893
Nickel, total	ug/L	MW-28	11/28/2018	22.0000		12/10/2014-12/09/2025	25	0.4893
Cobalt, total	ug/L	MW-29	03/04/2015	4.8000		12/10/2014-12/05/2019	11	0.6736

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

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

Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Cobalt, total	ug/L	MW-15	12/03/2008	ND	4.0000	10.7000
Cobalt, total	ug/L	MW-15	12/06/2011	ND	4.0000	10.7000
Cobalt, total	ug/L	MW-15	06/21/2012	ND	4.0000	10.7000
Cobalt, total	ug/L	MW-15	12/04/2012	ND	4.0000	10.7000
Cobalt, total	ug/L	MW-15	06/03/2013	ND	4.0000	10.7000
Cobalt, total	ug/L	MW-15	12/12/2013		5.1000	10.7000
Cobalt, total	ug/L	MW-15	06/25/2014		5.6000	10.7000
Cobalt, total	ug/L	MW-15	12/10/2014		1.2000	10.7000
Cobalt, total	ug/L	MW-15	06/04/2015	ND	0.8000	10.7000
Cobalt, total	ug/L	MW-15	12/01/2015	ND	0.8000	10.7000
Cobalt, total	ug/L	MW-15	06/27/2016		1.4000	10.7000
Cobalt, total	ug/L	MW-15	11/30/2016	ND	0.8000	10.7000
Cobalt, total	ug/L	MW-15	06/22/2017		1.3000	10.7000
Cobalt, total	ug/L	MW-15	11/15/2017		3.3000	10.7000
Cobalt, total	ug/L	MW-15	06/18/2018	ND	0.8000	10.7000
Cobalt, total	ug/L	MW-15	11/28/2018	ND	0.8000	10.7000
Cobalt, total	ug/L	MW-15	06/12/2019		2.1000	10.7000
Cobalt, total	ug/L	MW-15	12/05/2019	ND	0.8000	10.7000
Cobalt, total	ug/L	MW-15	06/17/2020		0.5000	10.7000
Cobalt, total	ug/L	MW-15	12/07/2020	ND	0.4000	10.7000
Cobalt, total	ug/L	MW-15	06/22/2021		1.2000	10.7000
Cobalt, total	ug/L	MW-15	12/02/2021		2.1000	10.7000
Cobalt, total	ug/L	MW-15	06/08/2022		1.3000	10.7000
Cobalt, total	ug/L	MW-15	11/22/2022		2.5000	10.7000
Cobalt, total	ug/L	MW-15	06/06/2023		51.8000 *	10.7000
Cobalt, total	ug/L	MW-15	08/07/2023		5.5000	10.7000
Cobalt, total	ug/L	MW-15	12/04/2023		4.9000	10.7000
Cobalt, total	ug/L	MW-15	06/06/2024		23.8000 *	10.7000
Cobalt, total	ug/L	MW-15	08/11/2024		10.8000 *	10.7000
Cobalt, total	ug/L	MW-15	12/04/2024		2.5000	10.7000
Cobalt, total	ug/L	MW-15	06/12/2025		59.2000 *	10.7000
Cobalt, total	ug/L	MW-15	12/09/2025		2.4000	10.7000
Arsenic, total	ug/L	MW-23	12/06/2011		11.5000	12.6000
Arsenic, total	ug/L	MW-23	06/21/2012	ND	4.0000	12.6000
Arsenic, total	ug/L	MW-23	12/04/2012	ND	4.0000	12.6000
Arsenic, total	ug/L	MW-23	06/03/2013		6.1000	12.6000
Arsenic, total	ug/L	MW-23	12/12/2013		5.2000	12.6000
Arsenic, total	ug/L	MW-23	06/25/2014	ND	4.0000	12.6000
Arsenic, total	ug/L	MW-23	12/10/2014		5.8000	12.6000
Arsenic, total	ug/L	MW-23	06/04/2015		4.5000	12.6000
Arsenic, total	ug/L	MW-23	12/01/2015	ND	4.0000	12.6000
Arsenic, total	ug/L	MW-23	06/27/2016	ND	4.0000	12.6000
Arsenic, total	ug/L	MW-23	11/30/2016		7.4000	12.6000
Arsenic, total	ug/L	MW-23	06/22/2017	ND	4.0000	12.6000
Arsenic, total	ug/L	MW-23	11/15/2017		8.5000	12.6000
Arsenic, total	ug/L	MW-23	06/18/2018		5.7000	12.6000
Arsenic, total	ug/L	MW-23	11/28/2018	ND	4.0000	12.6000
Arsenic, total	ug/L	MW-23	06/12/2019		15.1000 *	12.6000
Arsenic, total	ug/L	MW-23	12/05/2019		4.5000	12.6000
Arsenic, total	ug/L	MW-23	06/17/2020	ND	4.0000	12.6000
Arsenic, total	ug/L	MW-23	12/07/2020		6.8000	12.6000
Arsenic, total	ug/L	MW-23	06/22/2021		28.8000 *	12.6000
Arsenic, total	ug/L	MW-23	12/02/2021		15.7000 *	12.6000
Arsenic, total	ug/L	MW-23	06/08/2022		39.0000 *	12.6000
Arsenic, total	ug/L	MW-23	11/22/2022		12.2000	12.6000
Arsenic, total	ug/L	MW-23	06/06/2023		205.0000 *	12.6000
Arsenic, total	ug/L	MW-23	12/04/2023	ND	4.0000	12.6000
Arsenic, total	ug/L	MW-23	06/06/2024		8.4000	12.6000
Arsenic, total	ug/L	MW-23	12/04/2024		9.0000	12.6000
Arsenic, total	ug/L	MW-23	06/12/2025		15.0000 *	12.6000
Arsenic, total	ug/L	MW-23	12/09/2025		8.9000	12.6000
Copper, total	ug/L	MW-23	12/06/2011	ND	4.0000	14.3000
Copper, total	ug/L	MW-23	06/21/2012		9.1000	14.3000
Copper, total	ug/L	MW-23	12/04/2012		4.7000	14.3000
Copper, total	ug/L	MW-23	06/03/2013	ND	4.0000	14.3000
Copper, total	ug/L	MW-23	12/12/2013		29.2000 *	14.3000
Copper, total	ug/L	MW-23	06/25/2014		26.8000 *	14.3000
Copper, total	ug/L	MW-23	12/10/2014	ND	4.0000	14.3000
Copper, total	ug/L	MW-23	06/04/2015	ND	4.0000	14.3000
Copper, total	ug/L	MW-23	12/01/2015	ND	4.0000	14.3000
Copper, total	ug/L	MW-23	06/27/2016	ND	4.0000	14.3000

* - 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
Copper, total	ug/L	MW-23	11/30/2016	ND	4.0000	14.3000
Copper, total	ug/L	MW-23	06/22/2017	ND	4.0000	14.3000
Copper, total	ug/L	MW-23	11/15/2017	ND	4.0000	14.3000
Copper, total	ug/L	MW-23	06/18/2018	ND	4.0000	14.3000
Copper, total	ug/L	MW-23	11/28/2018	ND	4.0000	14.3000
Copper, total	ug/L	MW-23	06/12/2019	ND	4.0000	14.3000
Copper, total	ug/L	MW-23	12/05/2019	ND	4.0000	14.3000
Copper, total	ug/L	MW-23	06/17/2020	ND	4.0000	14.3000
Copper, total	ug/L	MW-23	12/07/2020	ND	4.0000	14.3000
Copper, total	ug/L	MW-23	06/22/2021		37.8000 *	14.3000
Copper, total	ug/L	MW-23	12/02/2021	ND	4.0000	14.3000
Copper, total	ug/L	MW-23	06/08/2022		25.9000 *	14.3000
Copper, total	ug/L	MW-23	11/22/2022	ND	4.0000	14.3000
Copper, total	ug/L	MW-23	06/06/2023	ND	4.0000	14.3000
Copper, total	ug/L	MW-23	12/04/2023	ND	4.0000	14.3000
Copper, total	ug/L	MW-23	06/06/2024		7.4000	14.3000
Copper, total	ug/L	MW-23	12/04/2024	ND	4.0000	14.3000
Copper, total	ug/L	MW-23	06/12/2025	ND	5.0000	14.3000
Copper, total	ug/L	MW-23	12/09/2025		18.8000 *	14.3000
Chromium, total	ug/L	MW-41	03/02/2012		15.0000 *	8.0000
Chromium, total	ug/L	MW-41	06/21/2012		10.2000 *	8.0000
Chromium, total	ug/L	MW-41	09/17/2012		10.2000 *	8.0000
Chromium, total	ug/L	MW-41	12/04/2012		11.6000 *	8.0000
Chromium, total	ug/L	MW-41	06/03/2013		8.2000 *	8.0000
Chromium, total	ug/L	MW-41	12/12/2013		18.0000 *	8.0000
Chromium, total	ug/L	MW-41	06/25/2014		9.3000 *	8.0000
Chromium, total	ug/L	MW-41	12/10/2014	ND	8.0000	8.0000
Chromium, total	ug/L	MW-41	06/04/2015	ND	8.0000	8.0000
Chromium, total	ug/L	MW-41	12/01/2015	ND	8.0000	8.0000
Chromium, total	ug/L	MW-41	06/27/2016		8.0000	8.0000
Chromium, total	ug/L	MW-41	11/30/2016	ND	8.0000	8.0000
Chromium, total	ug/L	MW-41	06/22/2017	ND	8.0000	8.0000
Chromium, total	ug/L	MW-41	11/15/2017		9.0000 *	8.0000
Chromium, total	ug/L	MW-41	12/13/2017	ND	8.0000	8.0000
Chromium, total	ug/L	MW-41	06/18/2018	ND	8.0000	8.0000
Chromium, total	ug/L	MW-41	11/28/2018	ND	8.0000	8.0000
Chromium, total	ug/L	MW-41	06/12/2019	ND	8.0000	8.0000
Chromium, total	ug/L	MW-41	12/05/2019	ND	8.0000	8.0000
Chromium, total	ug/L	MW-41	06/17/2020	ND	8.0000	8.0000
Chromium, total	ug/L	MW-41	12/07/2020	ND	8.0000	8.0000
Chromium, total	ug/L	MW-41	06/22/2021	ND	8.0000	8.0000
Chromium, total	ug/L	MW-41	12/02/2021		10.2000 *	8.0000
Chromium, total	ug/L	MW-41	03/01/2022		10.0000 *	8.0000
Chromium, total	ug/L	MW-41	06/08/2022	ND	8.0000	8.0000
Chromium, total	ug/L	MW-41	11/22/2022		11.7000 *	8.0000
Chromium, total	ug/L	MW-41	06/06/2023	ND	8.0000	8.0000
Chromium, total	ug/L	MW-41	12/04/2023		9.0000 *	8.0000
Chromium, total	ug/L	MW-41	06/06/2024	ND	8.0000	8.0000
Chromium, total	ug/L	MW-41	12/04/2024	ND	8.0000	8.0000
Chromium, total	ug/L	MW-41	06/12/2025		7.0000	8.0000
Chromium, total	ug/L	MW-41	12/09/2025		10.3000 *	8.0000

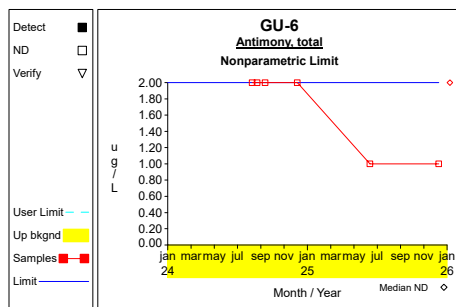
* - Significantly increased over background.

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

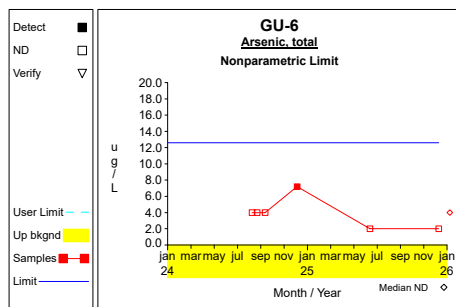
*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

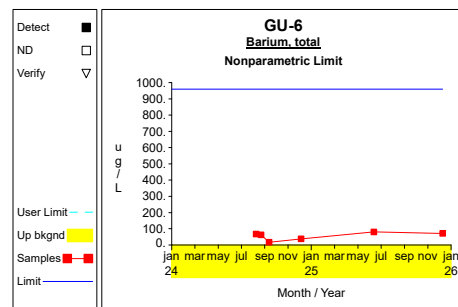
Up vs. Down Prediction Limits



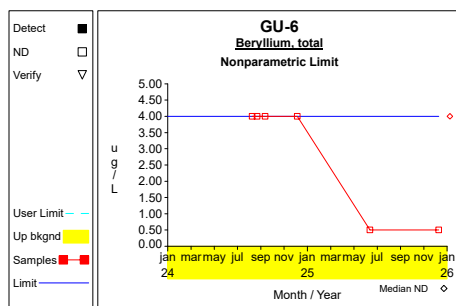
Graph 1



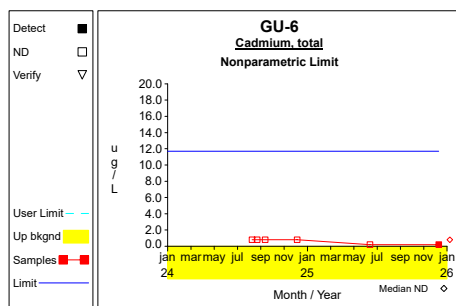
Graph 2



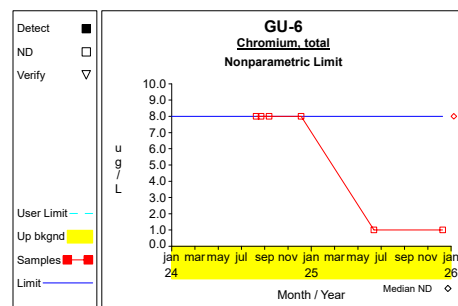
Graph 3



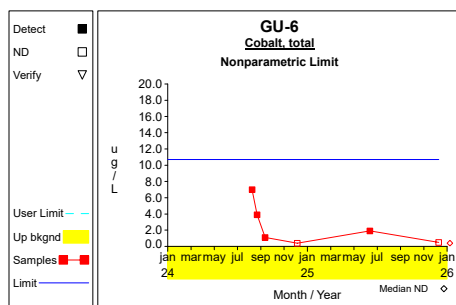
Graph 4



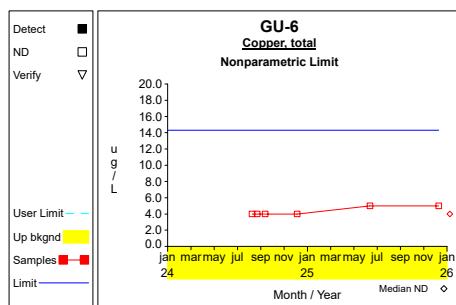
Graph 5



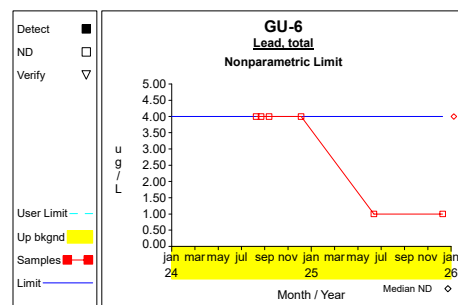
Graph 6



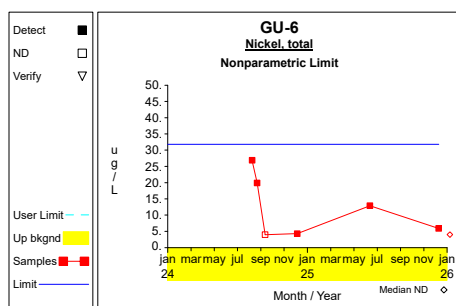
Graph 7



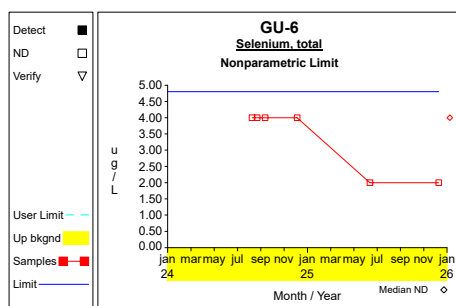
Graph 8



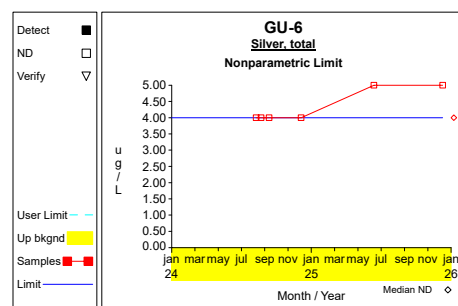
Graph 9



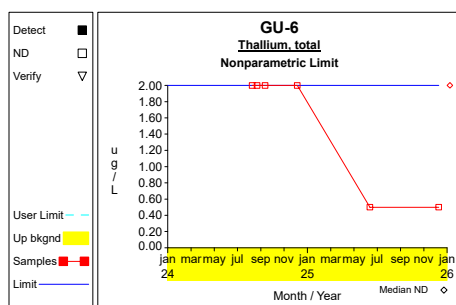
Graph 10



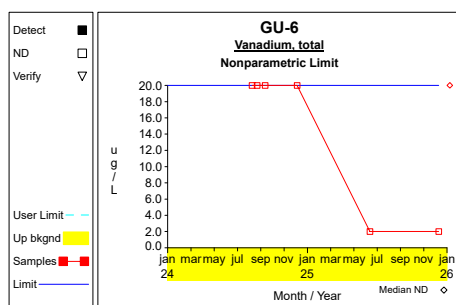
Graph 11



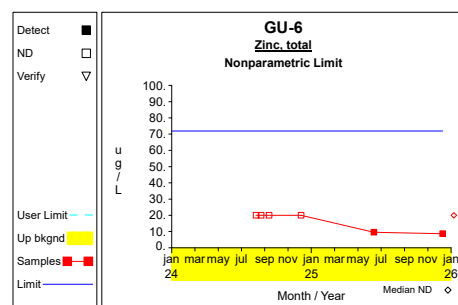
Graph 12



Graph 13

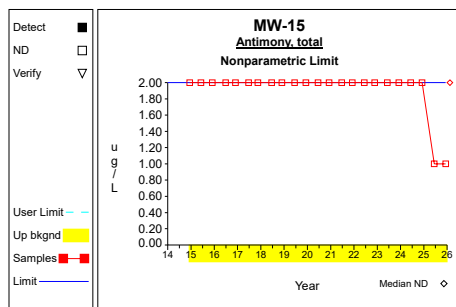


Graph 14

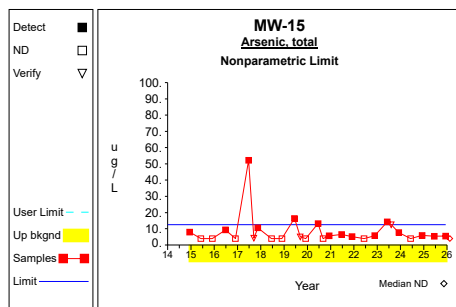


Graph 15

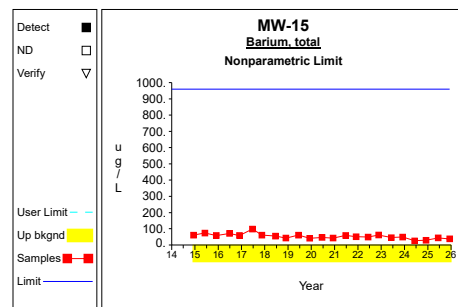
Up vs. Down Prediction Limits



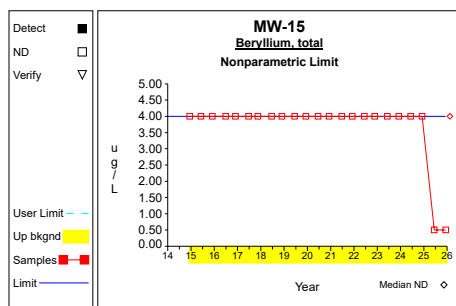
Graph 16



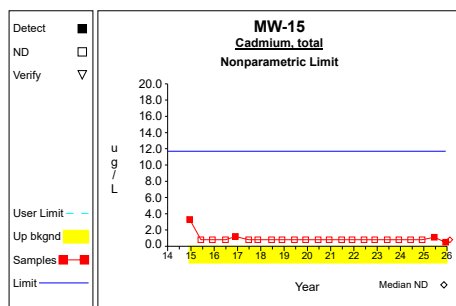
Graph 17



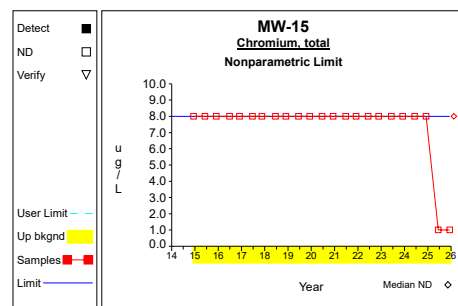
Graph 18



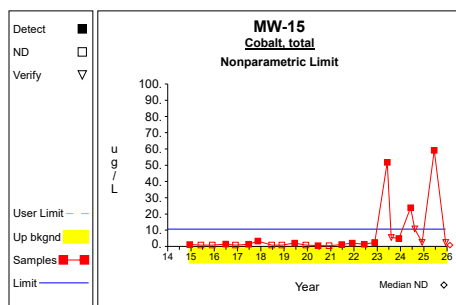
Graph 19



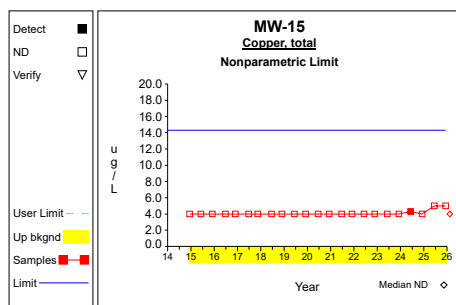
Graph 20



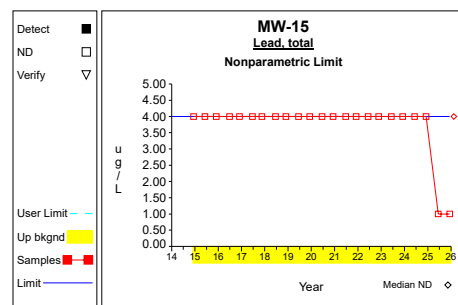
Graph 21



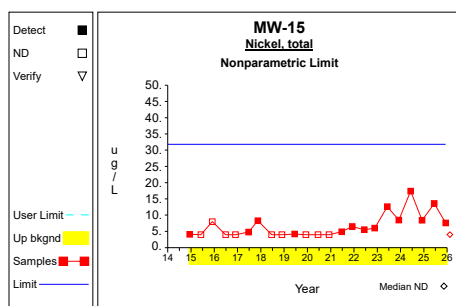
Graph 22



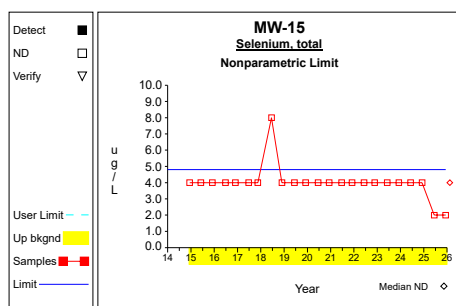
Graph 23



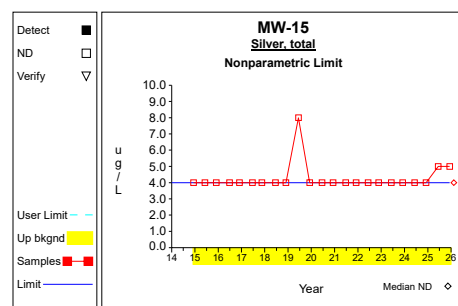
Graph 24



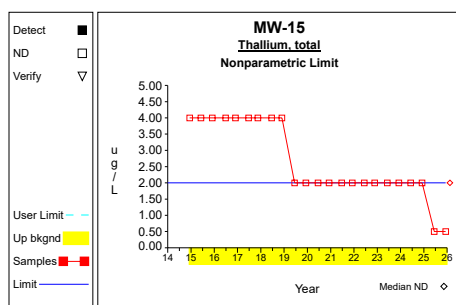
Graph 25



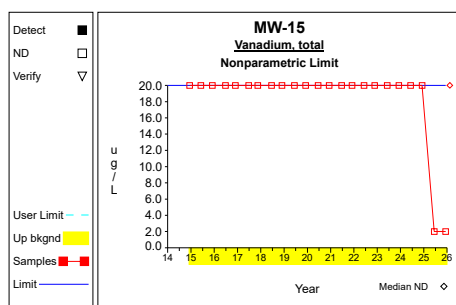
Graph 26



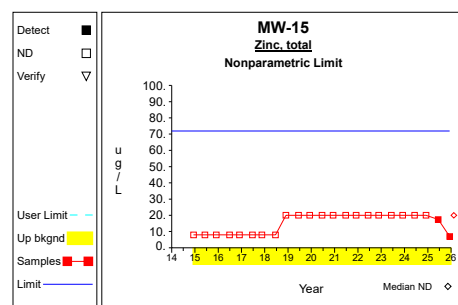
Graph 27



Graph 28

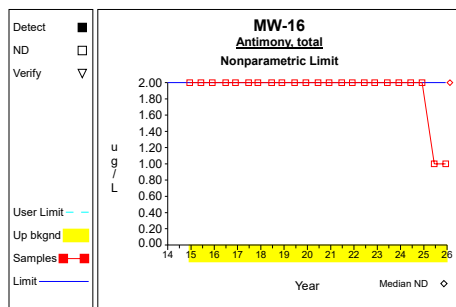


Graph 29

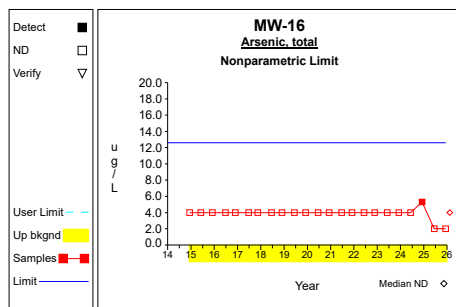


Graph 30

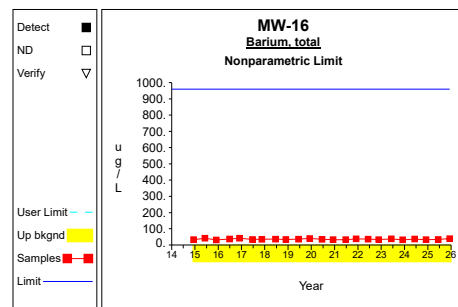
Up vs. Down Prediction Limits



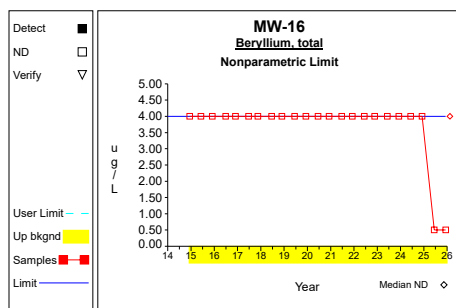
Graph 31



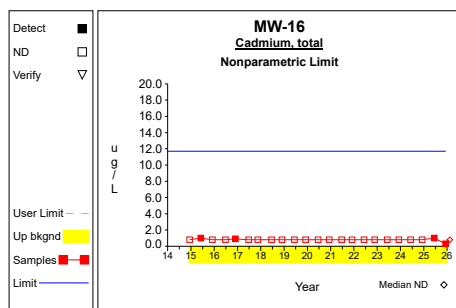
Graph 32



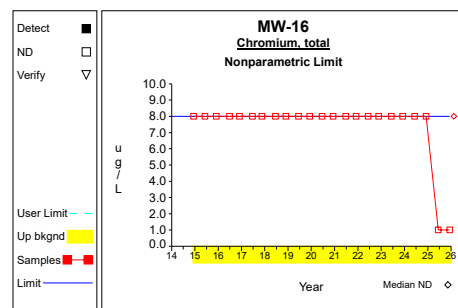
Graph 33



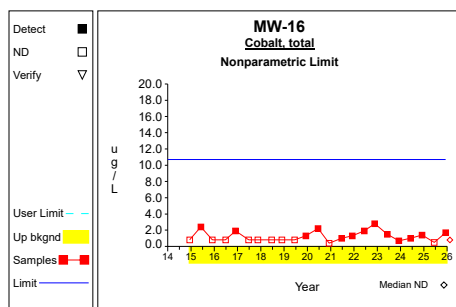
Graph 34



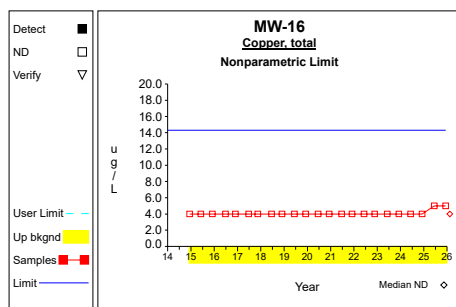
Graph 35



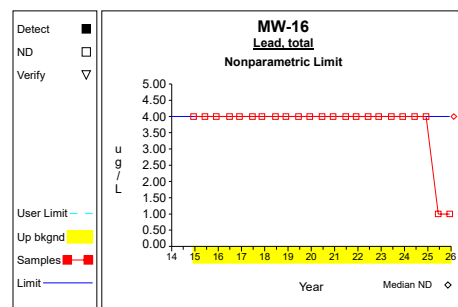
Graph 36



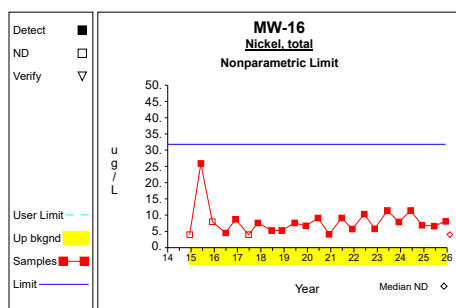
Graph 37



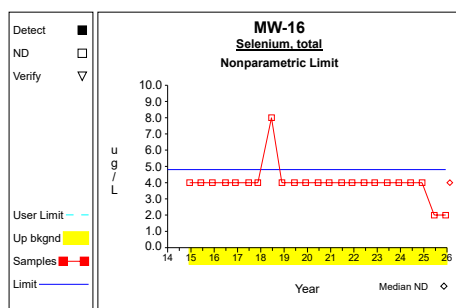
Graph 38



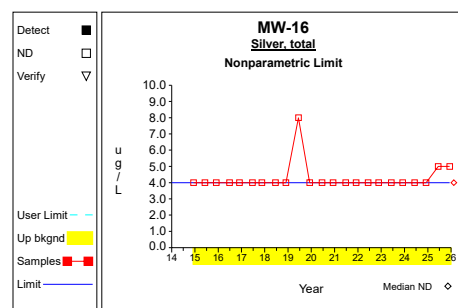
Graph 39



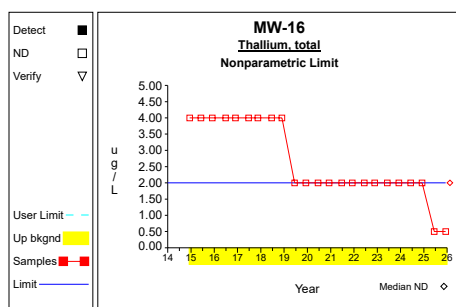
Graph 40



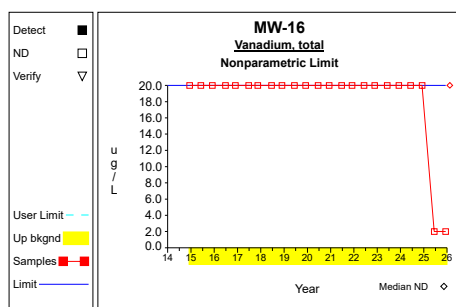
Graph 41



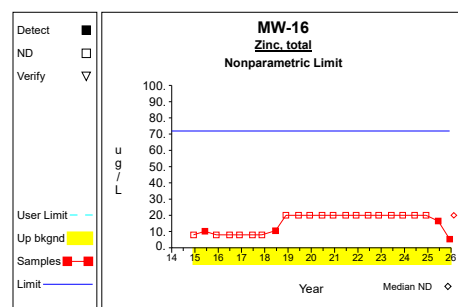
Graph 42



Graph 43

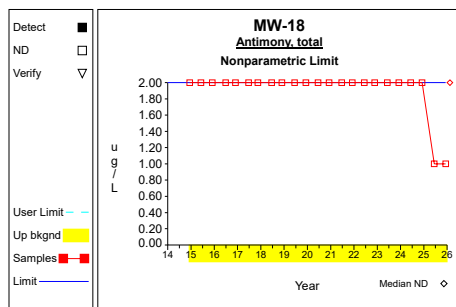


Graph 44

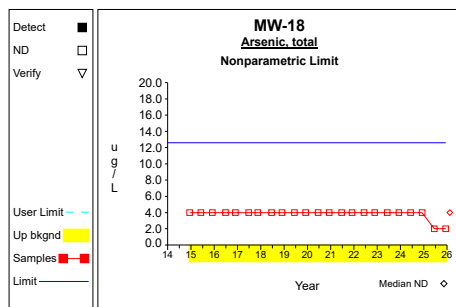


Graph 45

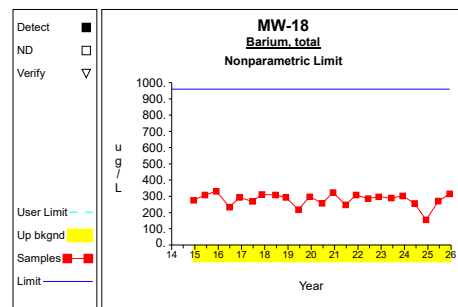
Up vs. Down Prediction Limits



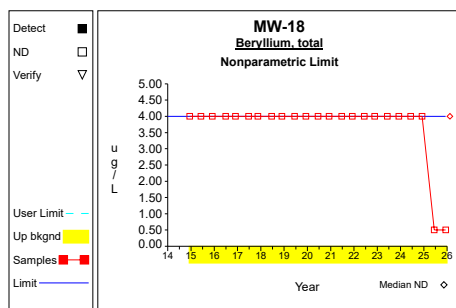
Graph 46



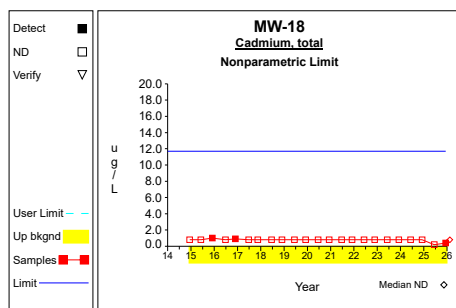
Graph 47



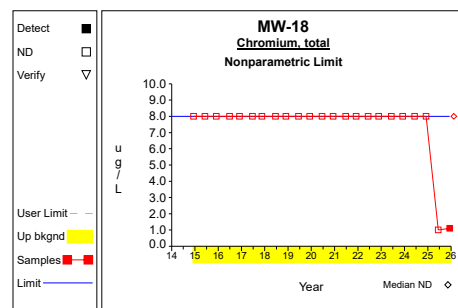
Graph 48



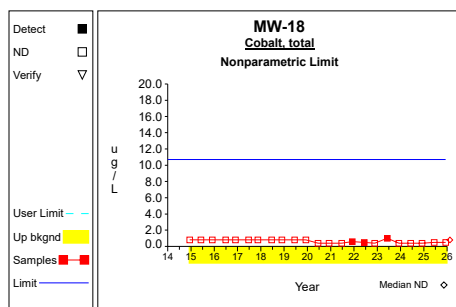
Graph 49



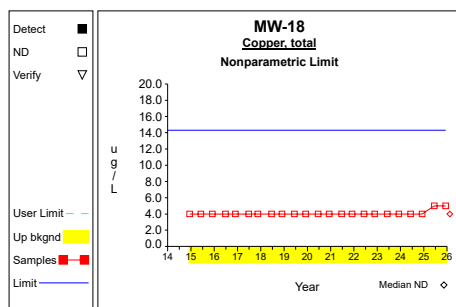
Graph 50



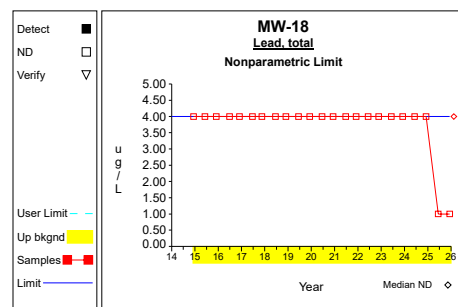
Graph 51



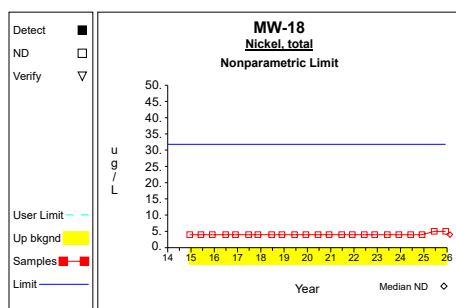
Graph 52



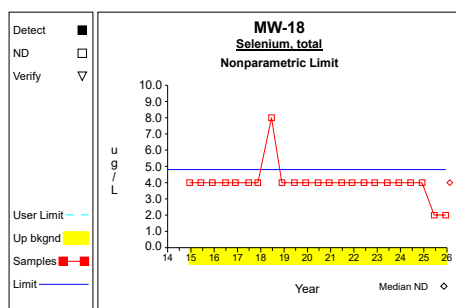
Graph 53



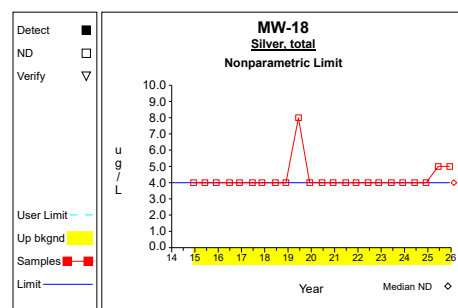
Graph 54



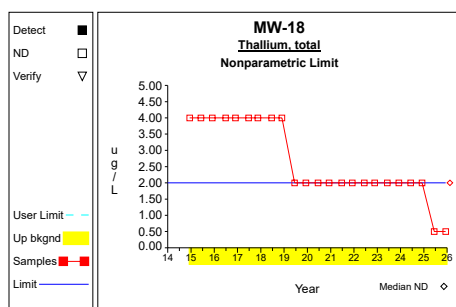
Graph 55



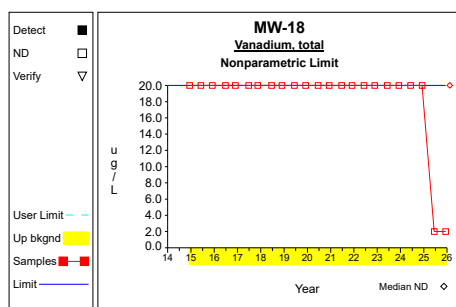
Graph 56



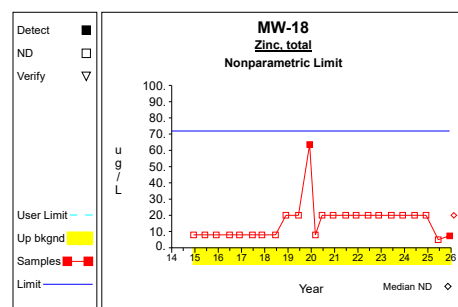
Graph 57



Graph 58

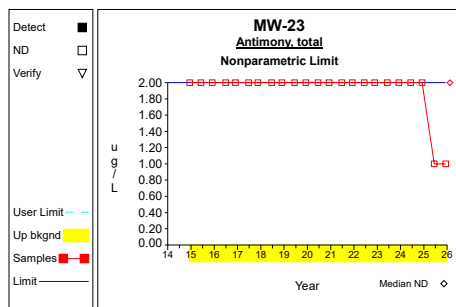


Graph 59

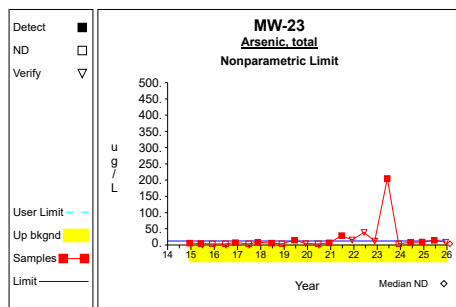


Graph 60

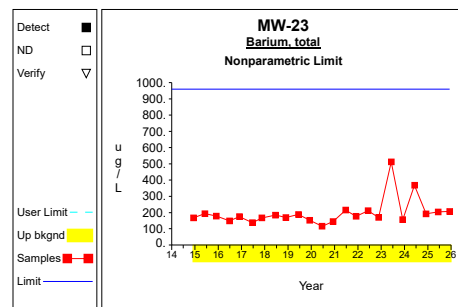
Up vs. Down Prediction Limits



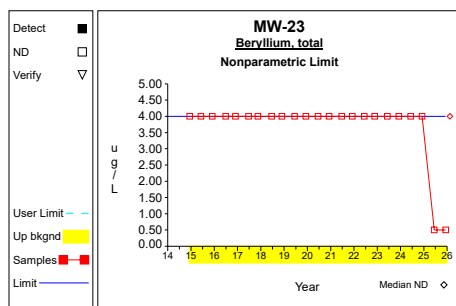
Graph 61



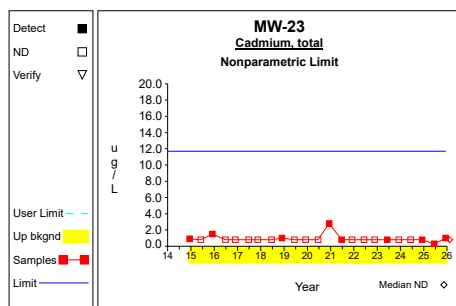
Graph 62



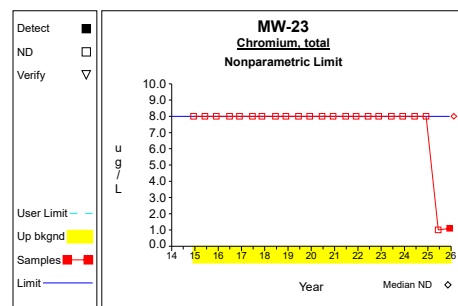
Graph 63



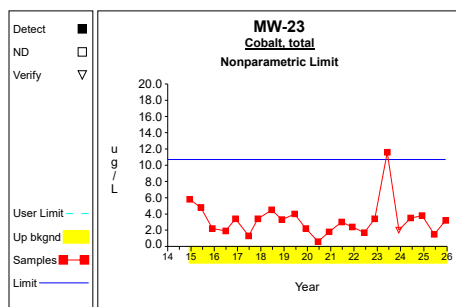
Graph 64



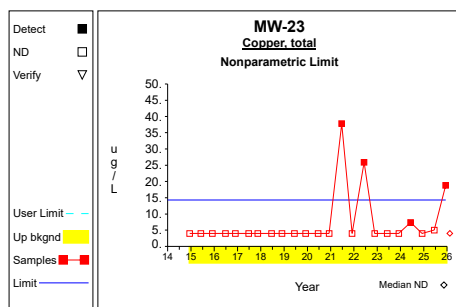
Graph 65



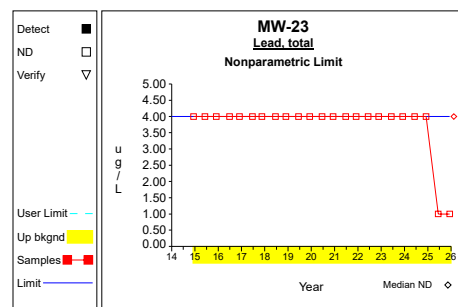
Graph 66



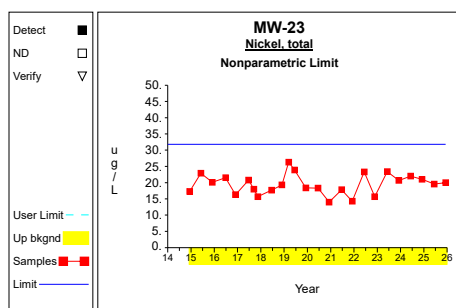
Graph 67



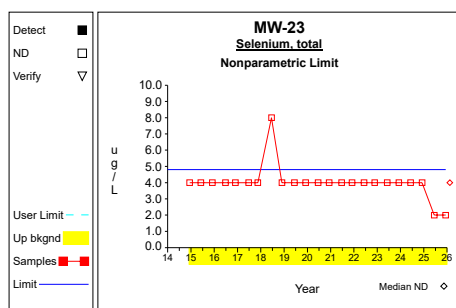
Graph 68



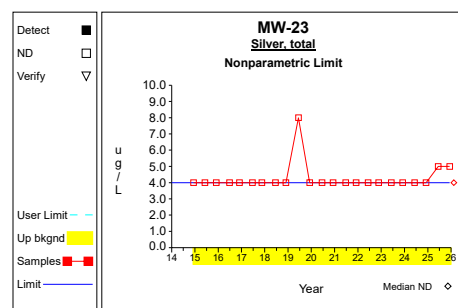
Graph 69



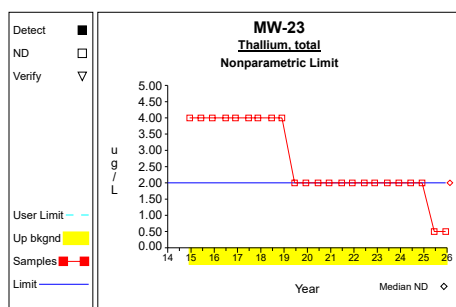
Graph 70



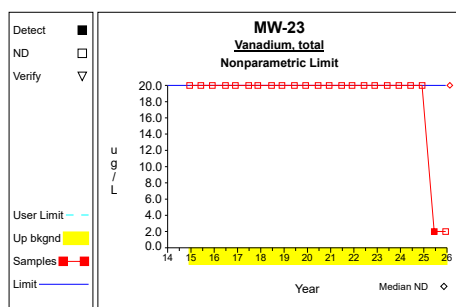
Graph 71



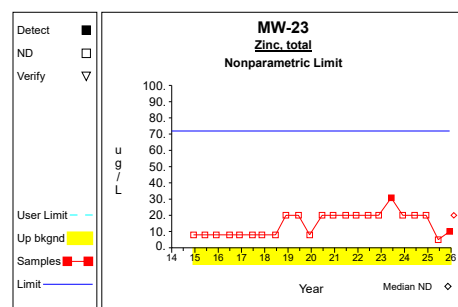
Graph 72



Graph 73

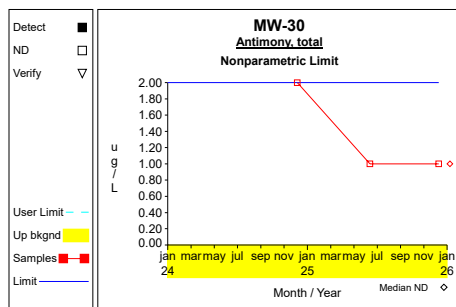


Graph 74

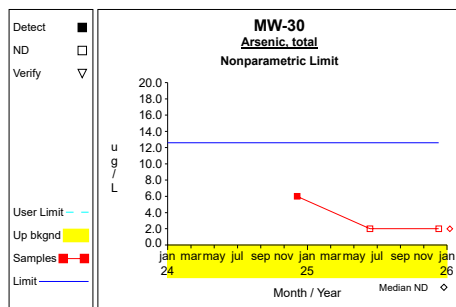


Graph 75

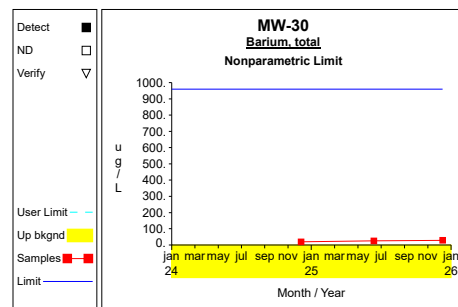
Up vs. Down Prediction Limits



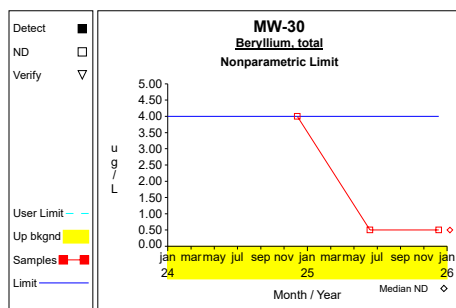
Graph 76



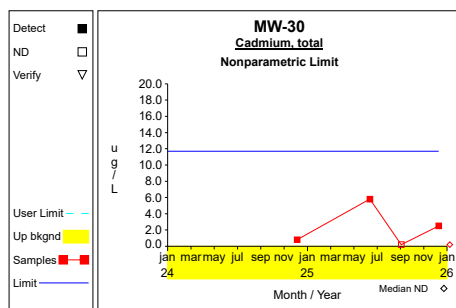
Graph 77



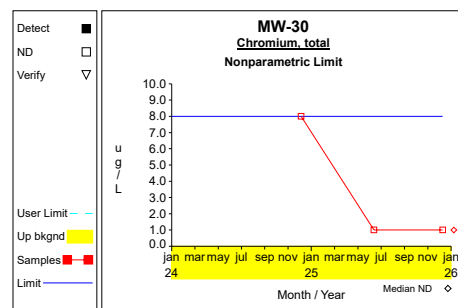
Graph 78



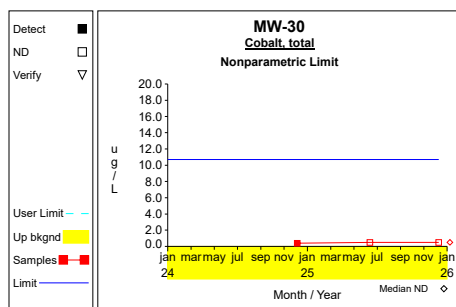
Graph 79



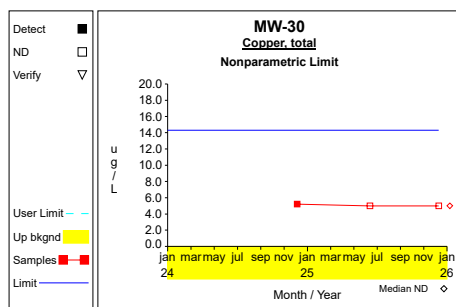
Graph 80



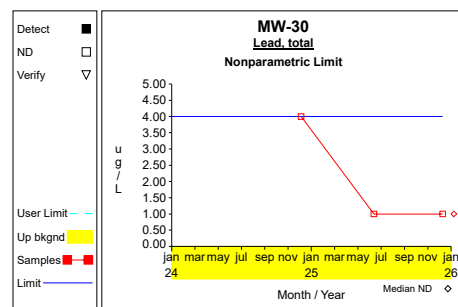
Graph 81



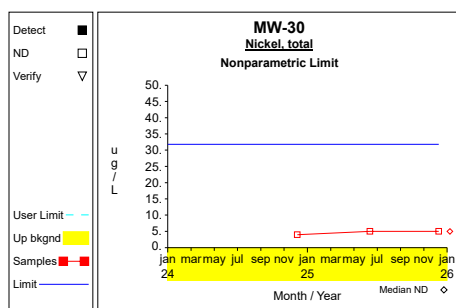
Graph 82



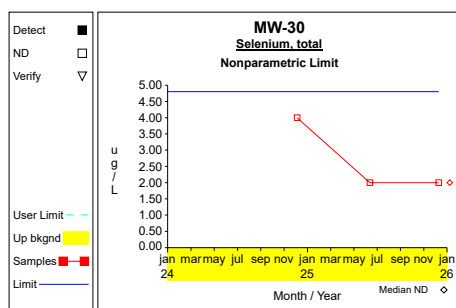
Graph 83



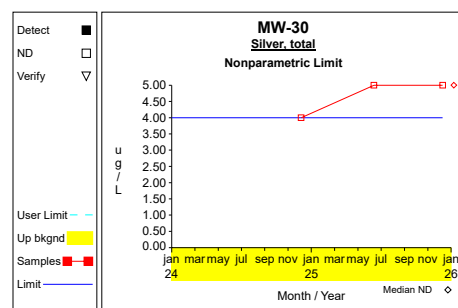
Graph 84



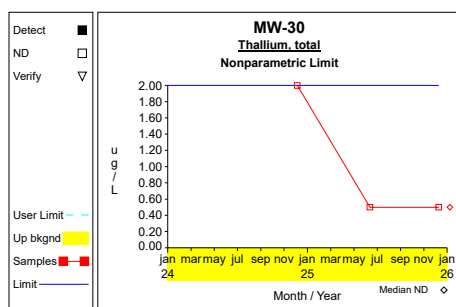
Graph 85



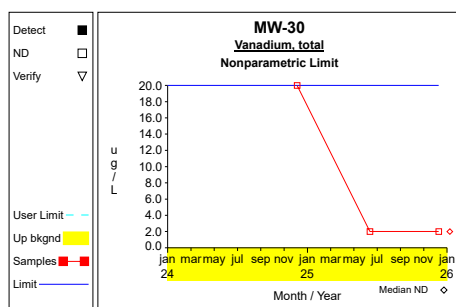
Graph 86



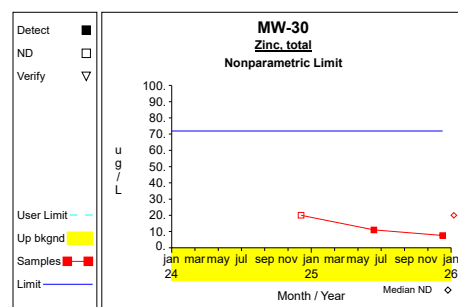
Graph 87



Graph 88

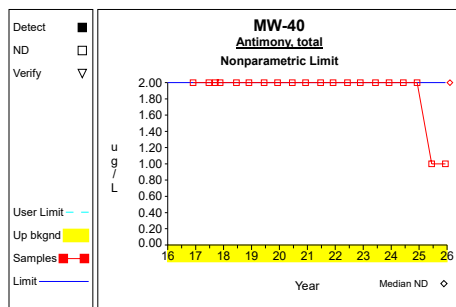


Graph 89

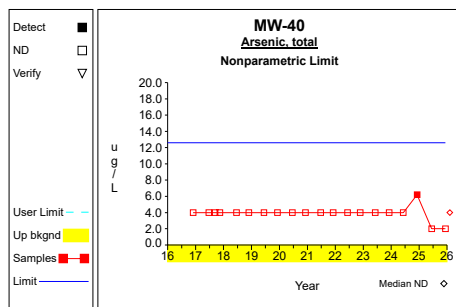


Graph 90

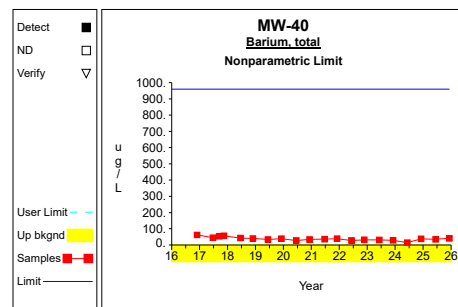
Up vs. Down Prediction Limits



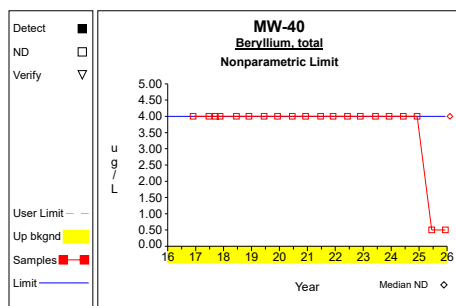
Graph 91



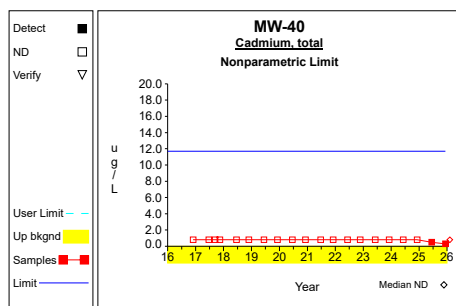
Graph 92



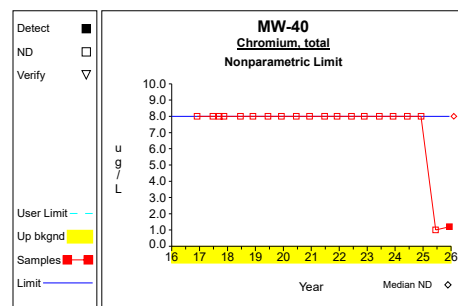
Graph 93



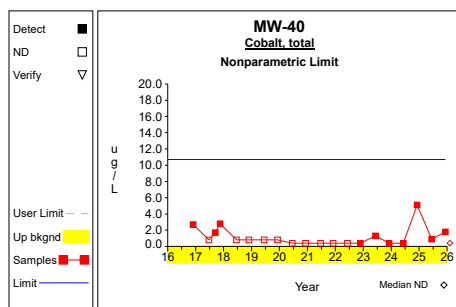
Graph 94



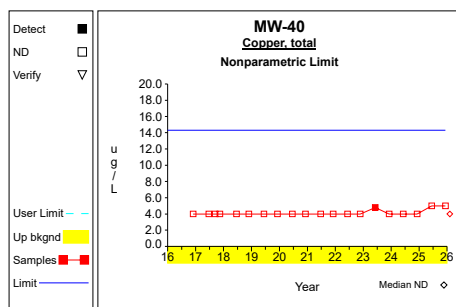
Graph 95



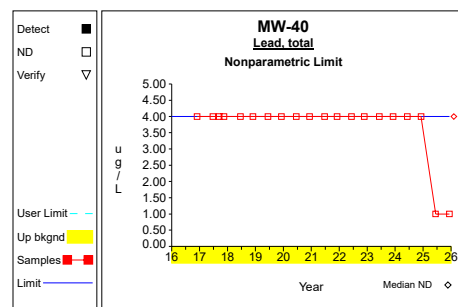
Graph 96



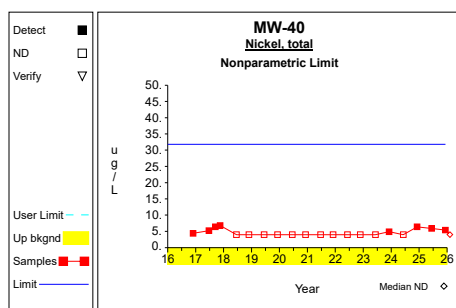
Graph 97



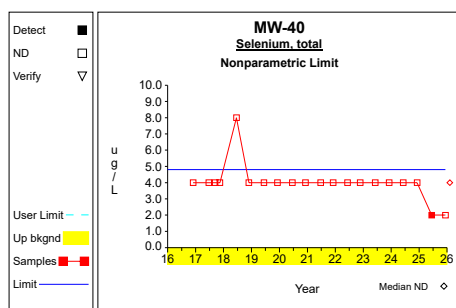
Graph 98



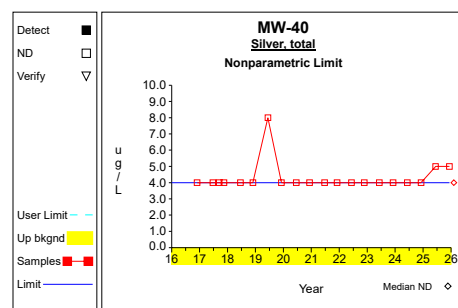
Graph 99



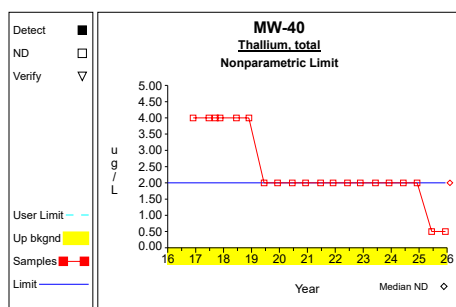
Graph 100



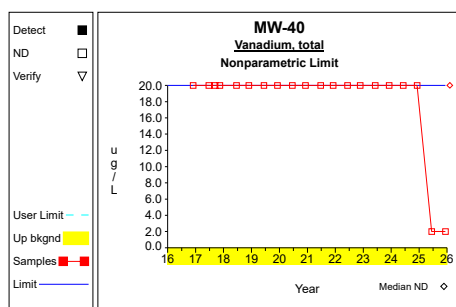
Graph 101



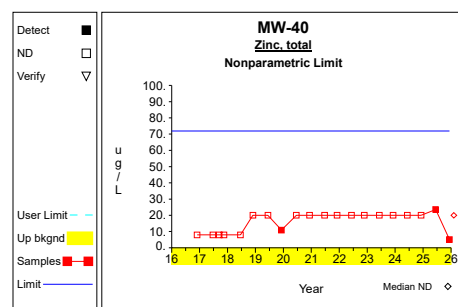
Graph 102



Graph 103

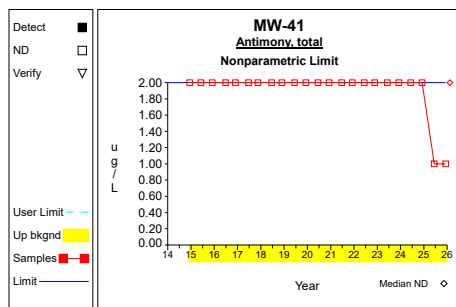


Graph 104

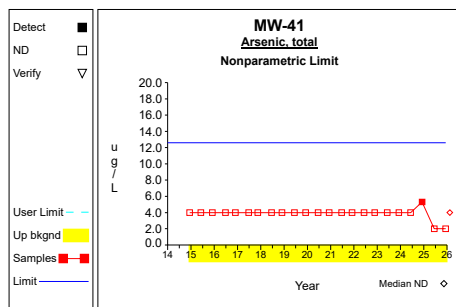


Graph 105

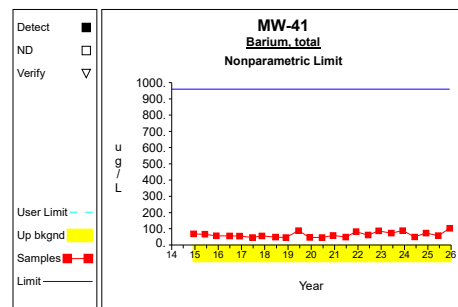
Up vs. Down Prediction Limits



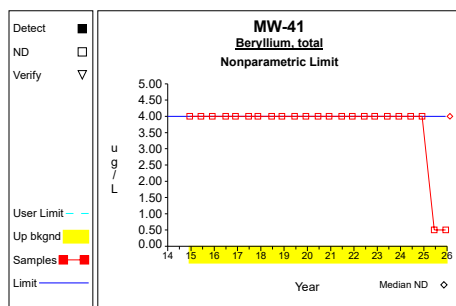
Graph 106



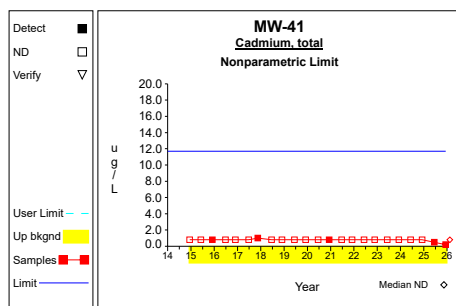
Graph 107



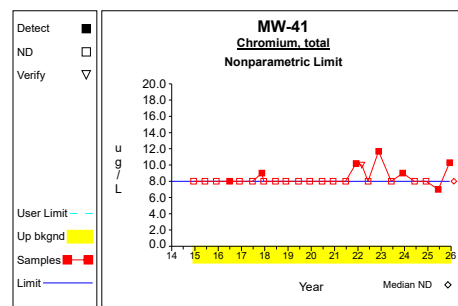
Graph 108



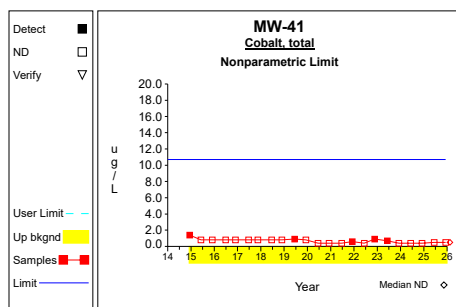
Graph 109



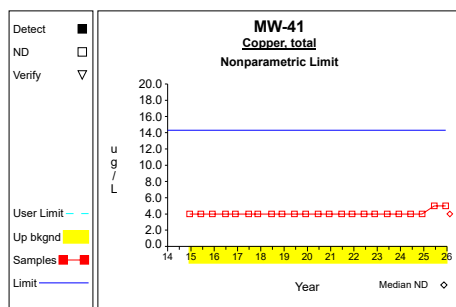
Graph 110



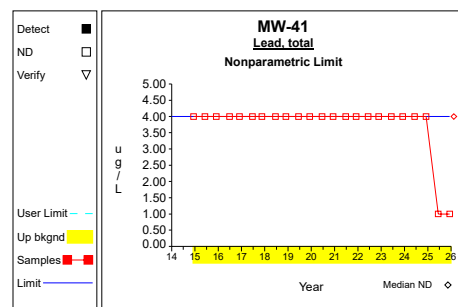
Graph 111



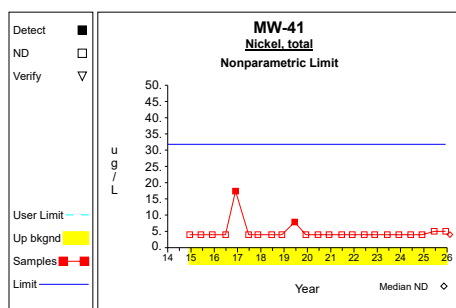
Graph 112



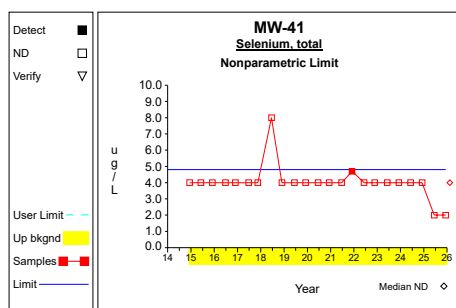
Graph 113



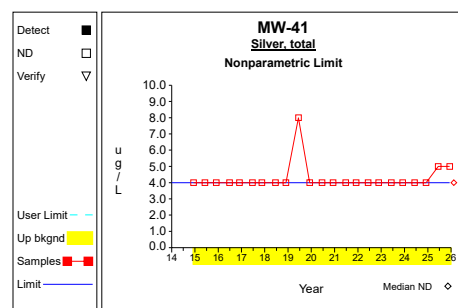
Graph 114



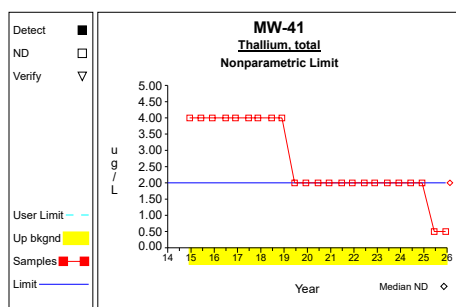
Graph 115



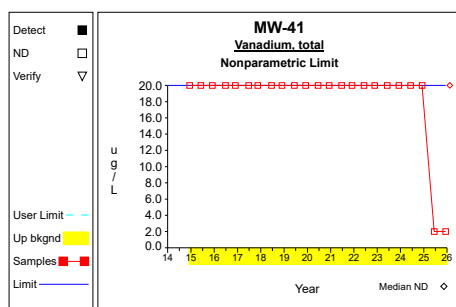
Graph 116



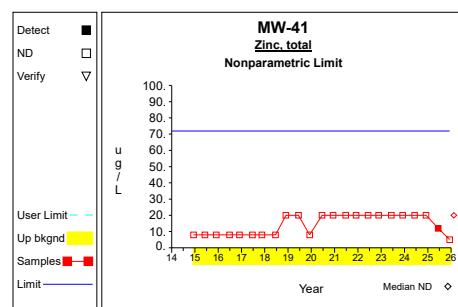
Graph 117



Graph 118

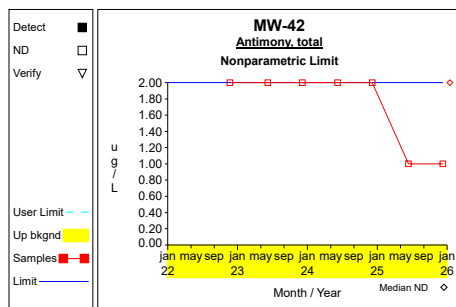


Graph 119

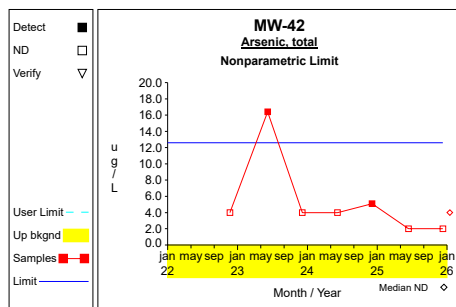


Graph 120

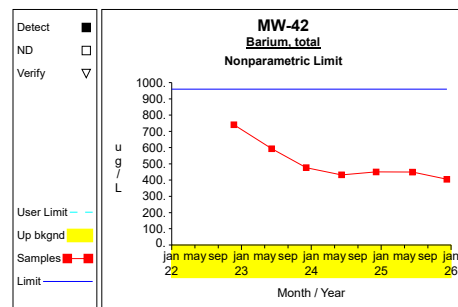
Up vs. Down Prediction Limits



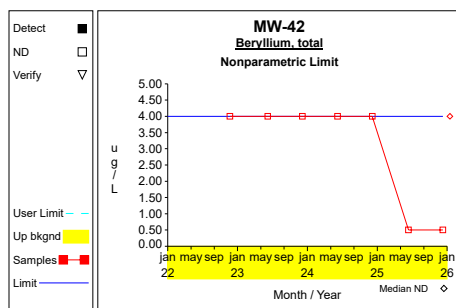
Graph 121



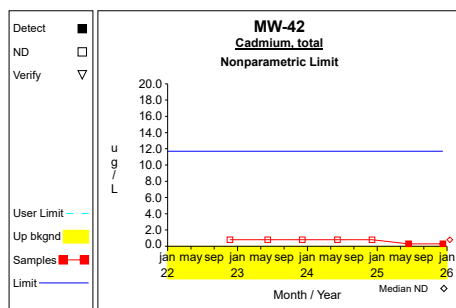
Graph 122



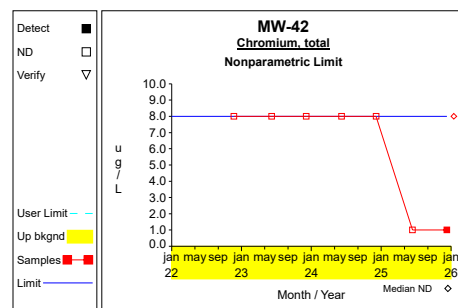
Graph 123



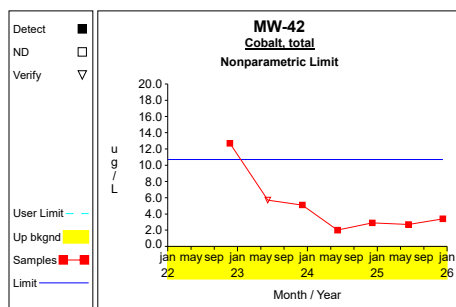
Graph 124



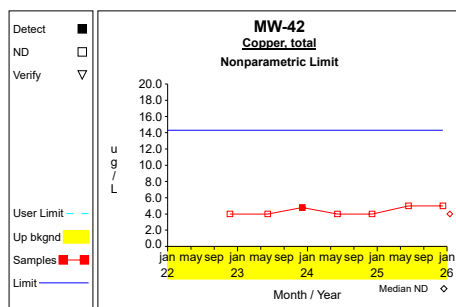
Graph 125



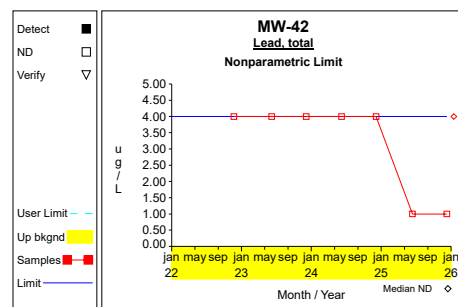
Graph 126



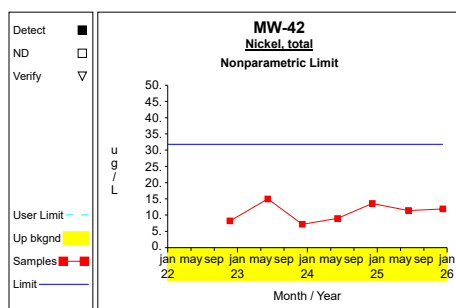
Graph 127



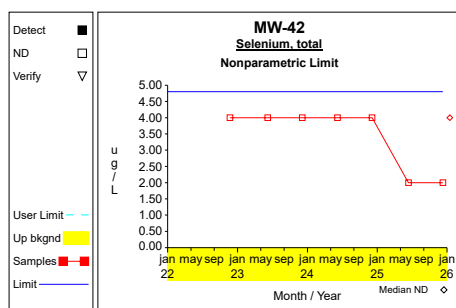
Graph 128



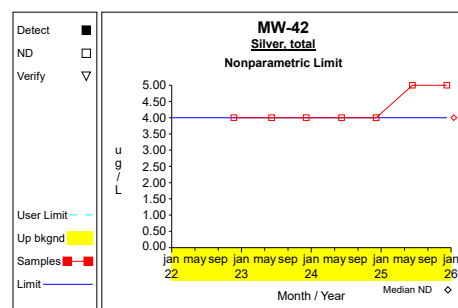
Graph 129



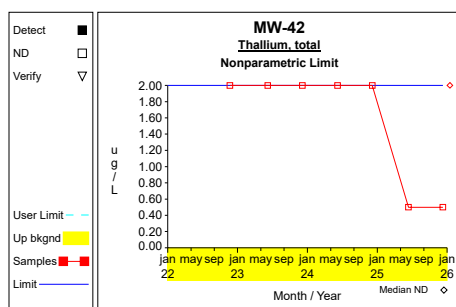
Graph 130



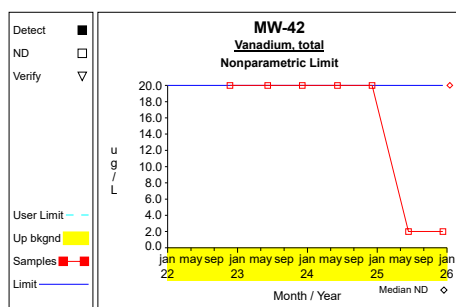
Graph 131



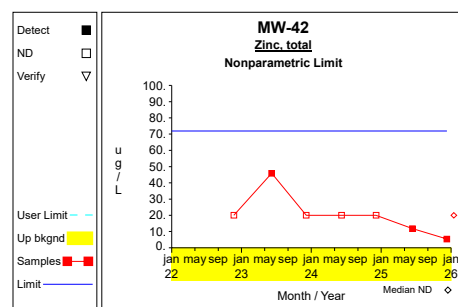
Graph 132



Graph 133

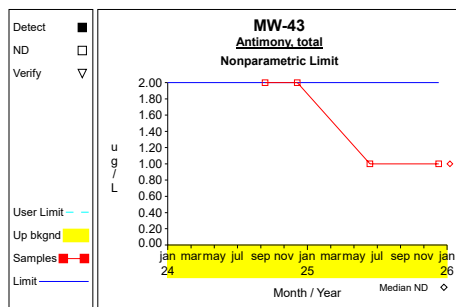


Graph 134

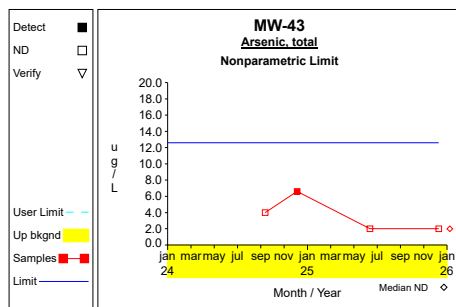


Graph 135

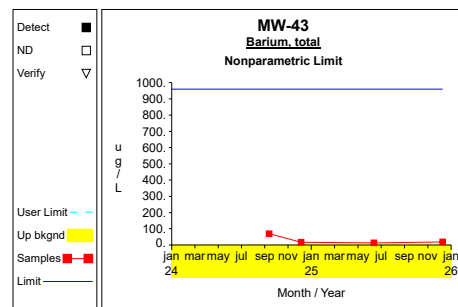
Up vs. Down Prediction Limits



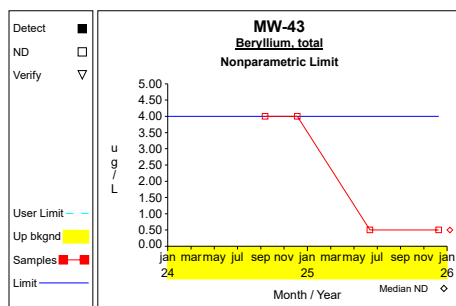
Graph 136



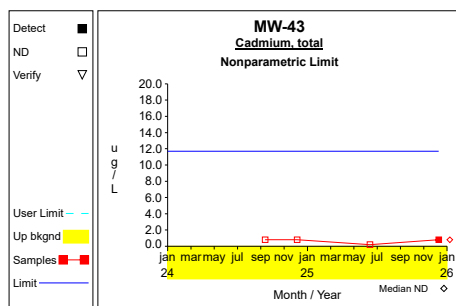
Graph 137



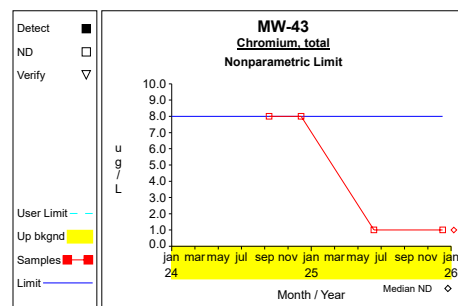
Graph 138



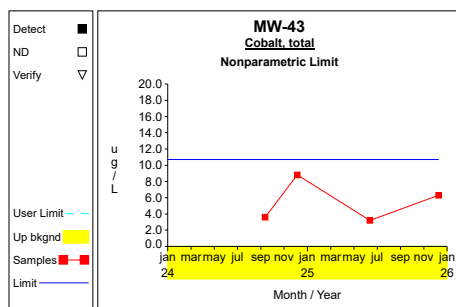
Graph 139



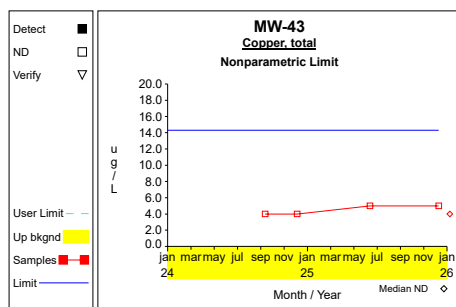
Graph 140



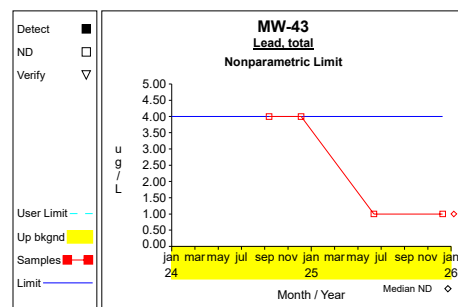
Graph 141



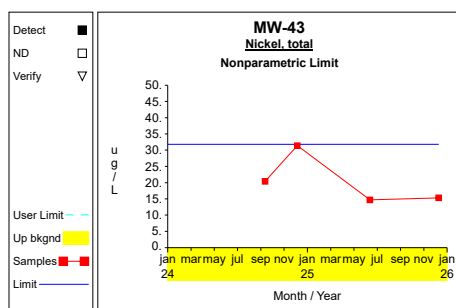
Graph 142



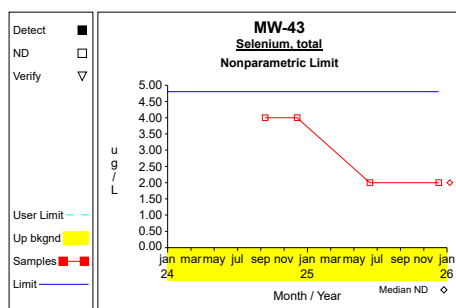
Graph 143



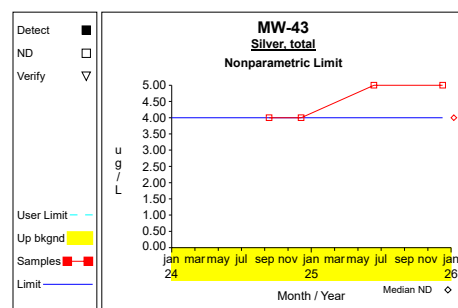
Graph 144



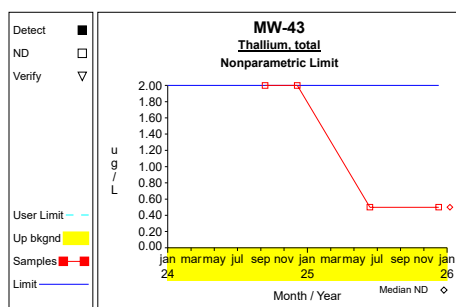
Graph 145



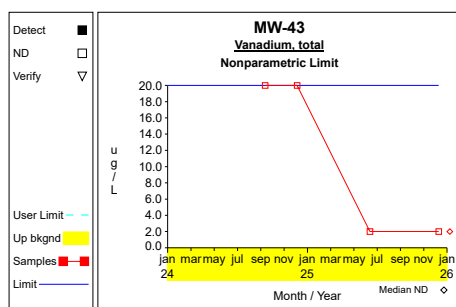
Graph 146



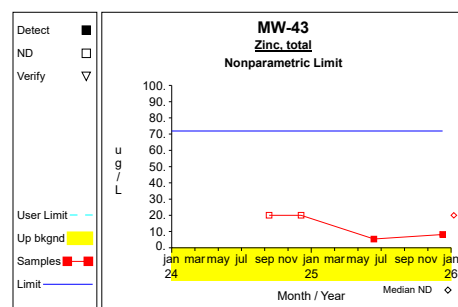
Graph 147



Graph 148

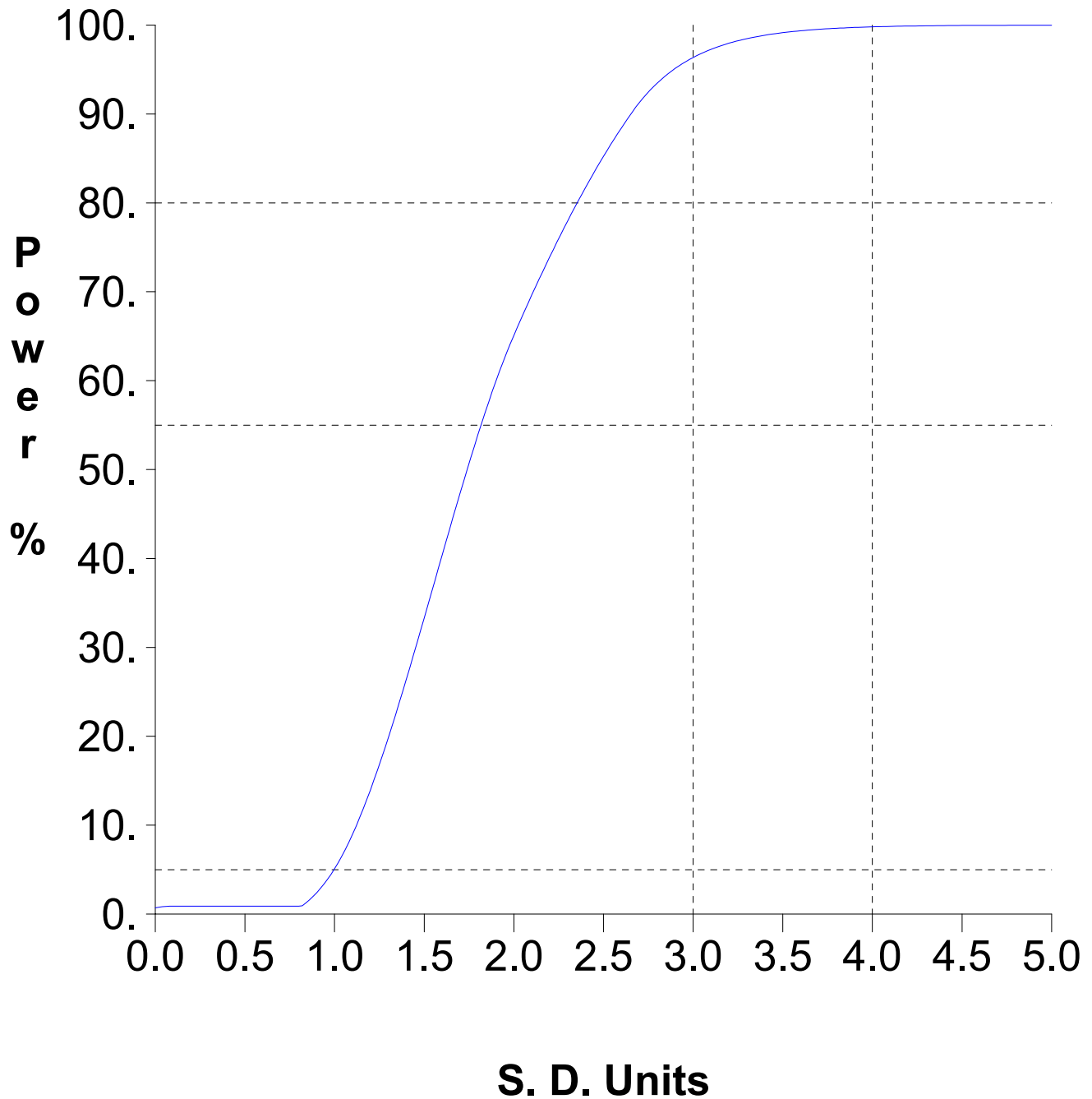


Graph 149



Graph 150

False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program



Attachment C

Metals Assessment Statistics

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-15	4	4.700	1.813	1.176	2.567	6.833	10.000		
Cadmium, total	ug/L	MW-15	4	0.600	0.337	1.176	0.204	0.996	5.000		
Chromium, total	ug/L	MW-15	4	4.000	0.000	1.176	4.000	4.000	100.000		
Cobalt, total	ug/L	MW-15	4	18.725	27.269	1.176	0.000	50.801	2.100		
Copper, total	ug/L	MW-15	4	2.575	1.150	1.176	1.222	3.928	1300.000		
Arsenic, total	ug/L	MW-16	4	2.825	1.650	1.176	0.884	4.766	10.000		
Cadmium, total	ug/L	MW-16	4	0.525	0.320	1.176	0.148	0.902	5.000		
Chromium, total	ug/L	MW-16	4	4.000	0.000	1.176	4.000	4.000	100.000		
Cobalt, total	ug/L	MW-16	4	1.125	0.562	1.176	0.464	1.786	2.100		
Copper, total	ug/L	MW-16	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Arsenic, total	ug/L	MW-23	4	10.325	3.128	1.176	6.646	14.004	10.000		
Cadmium, total	ug/L	MW-23	4	0.625	0.330	1.176	0.236	1.014	5.000		
Chromium, total	ug/L	MW-23	4	3.275	1.450	1.176	1.569	4.981	100.000		
Cobalt, total	ug/L	MW-23	4	3.000	1.030	1.176	1.789	4.211	2.100		
Copper, total	ug/L	MW-23	4	7.550	7.920	1.176	0.000	16.866	1300.000		
Arsenic, total	ug/L	MW-30	3								*
Cadmium, total	ug/L	MW-30	4	2.300	2.542	1.176	0.000	5.290	5.000		*
Chromium, total	ug/L	MW-30	3								*
Cobalt, total	ug/L	MW-30	3								*
Copper, total	ug/L	MW-30	3								*
Arsenic, total	ug/L	MW-41	4	2.825	1.650	1.176	0.884	4.766	10.000		
Cadmium, total	ug/L	MW-41	4	0.375	0.126	1.176	0.227	0.523	5.000		
Chromium, total	ug/L	MW-41	4	6.325	3.004	1.176	2.792	9.858	100.000		
Cobalt, total	ug/L	MW-41	4	0.400	0.000	1.176	0.400	0.400	2.100		
Copper, total	ug/L	MW-41	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Arsenic, total	ug/L	MW-42	4	2.775	1.550	1.176	0.952	4.598	10.000		
Cadmium, total	ug/L	MW-42	4	0.350	0.058	1.176	0.282	0.418	5.000		
Chromium, total	ug/L	MW-42	4	3.250	1.500	1.176	1.486	5.014	100.000		
Cobalt, total	ug/L	MW-42	4	2.750	0.580	1.176	2.067	3.433	2.100		
Copper, total	ug/L	MW-42	4	2.000	0.000	1.176	2.000	2.000	1300.000		

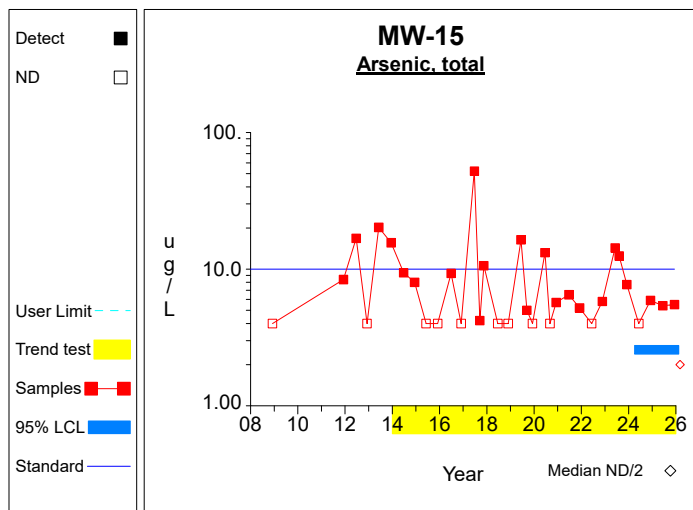
* - Insufficient Data

** - Significant Exceedance

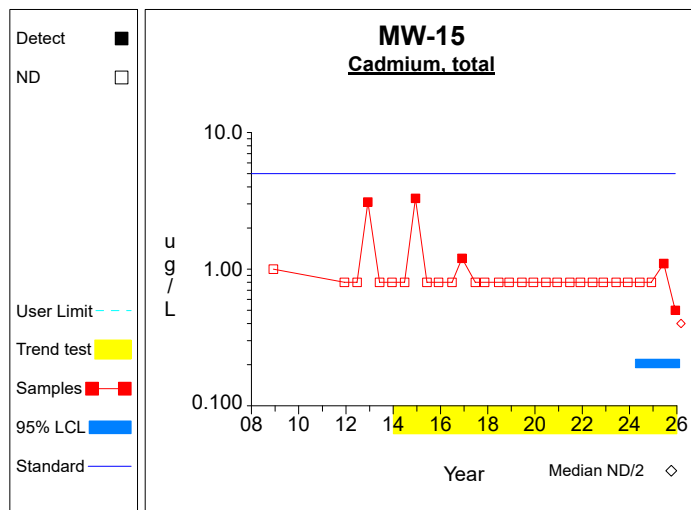
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

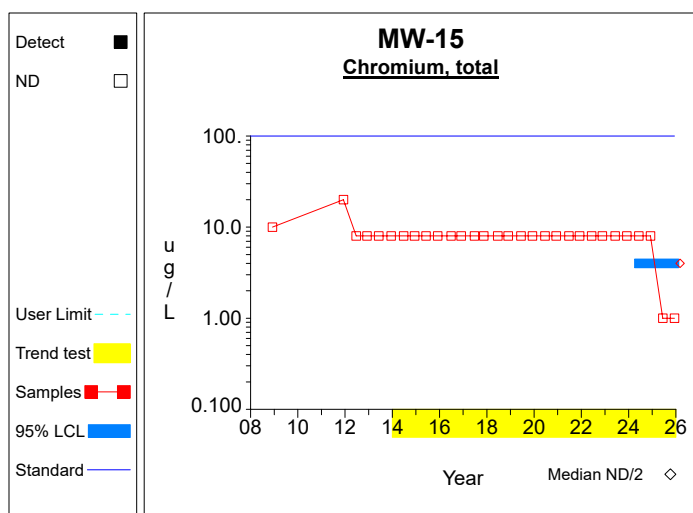
Confidence Limits (Assessment)



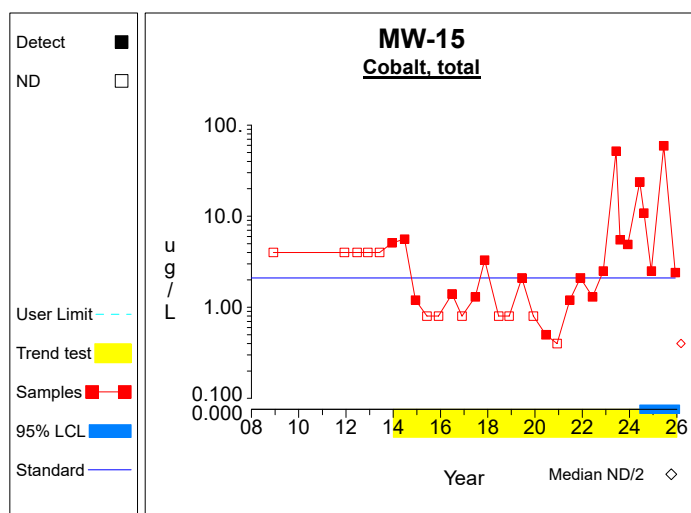
Graph 1



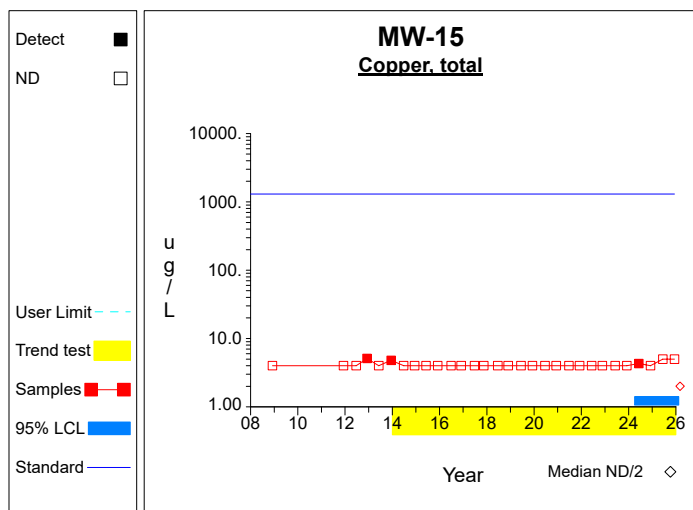
Graph 2



Graph 3

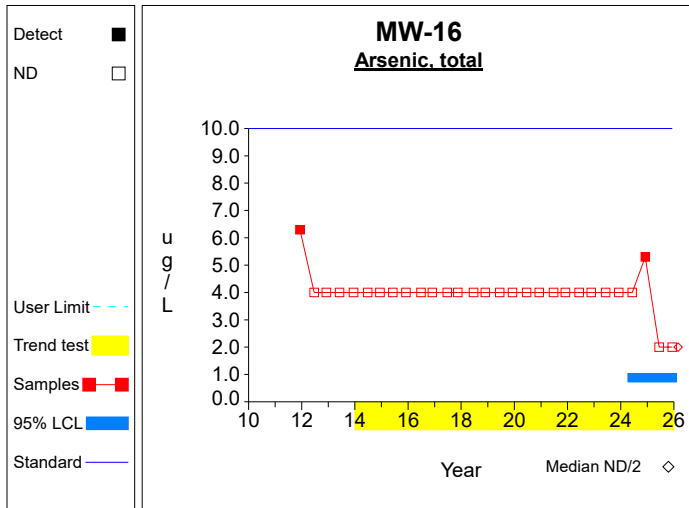


Graph 4

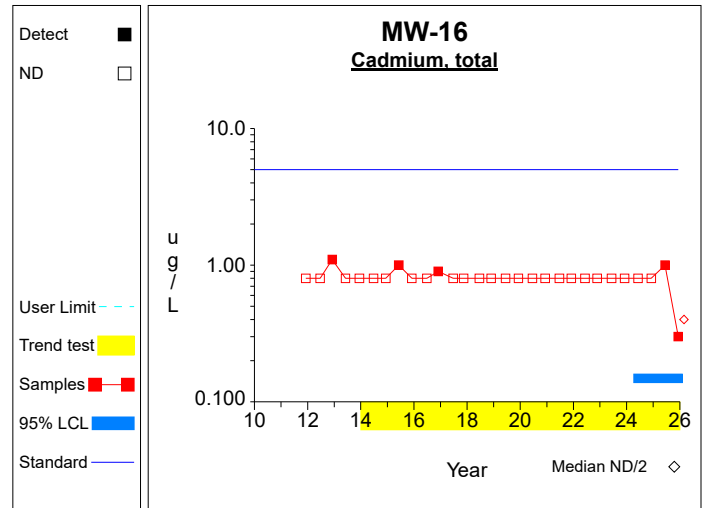


Graph 5

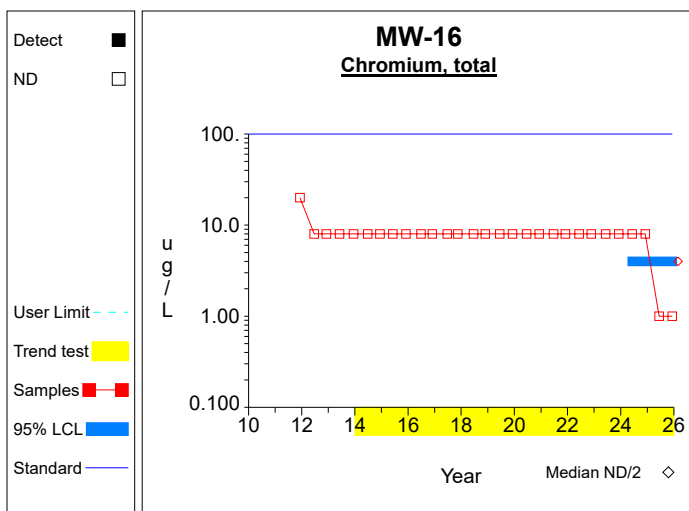
Confidence Limits (Assessment)



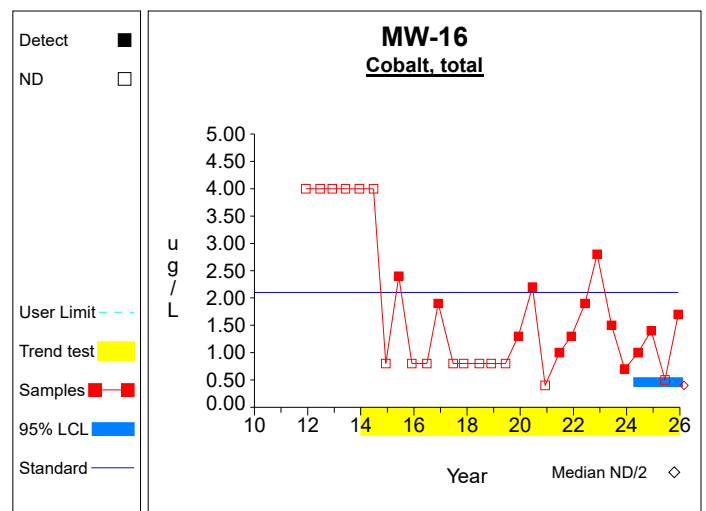
Graph 6



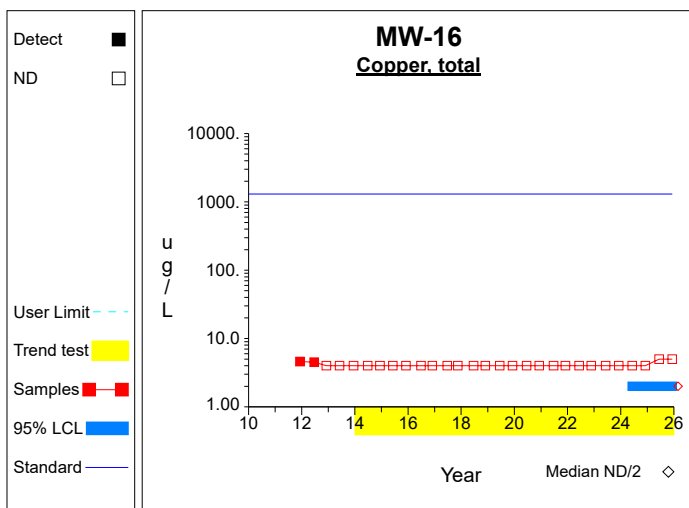
Graph 7



Graph 8

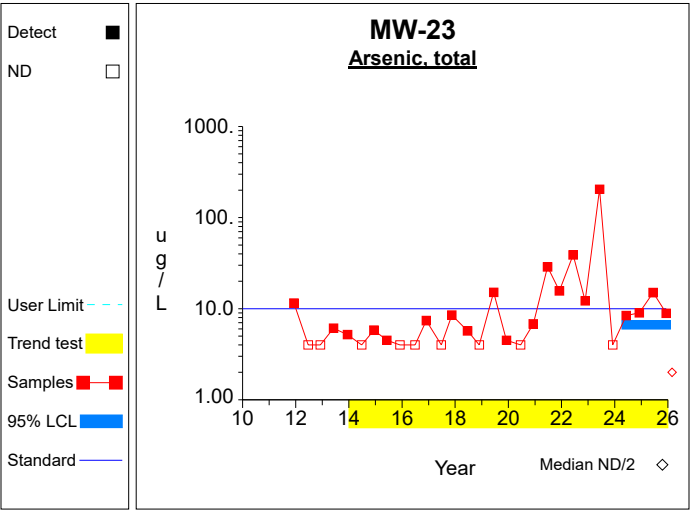


Graph 9

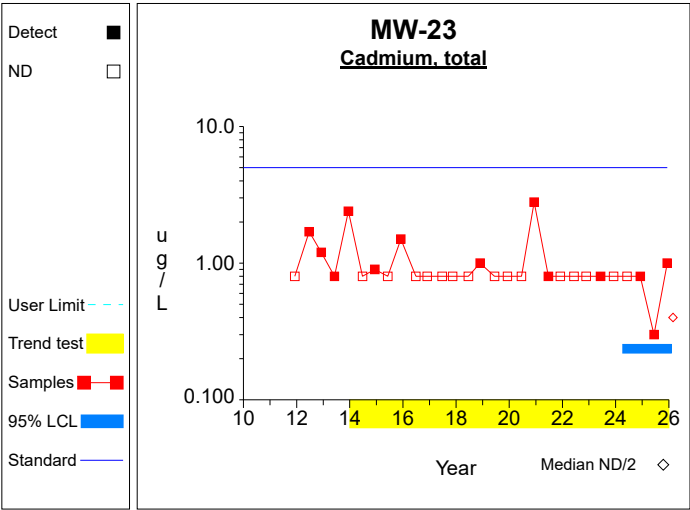


Graph 10

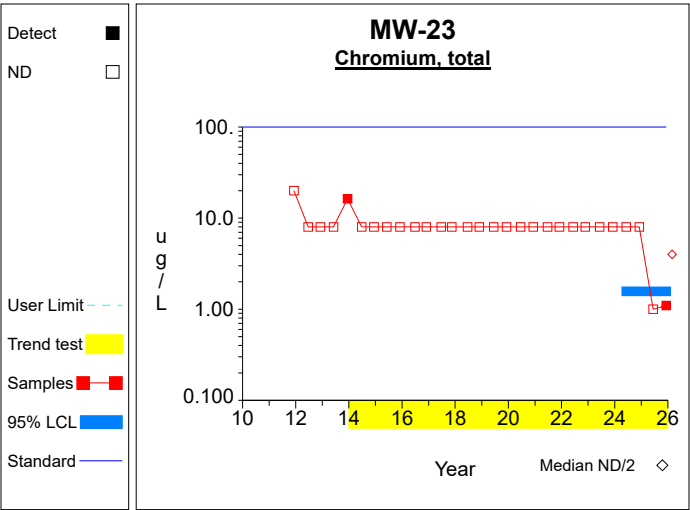
Confidence Limits (Assessment)



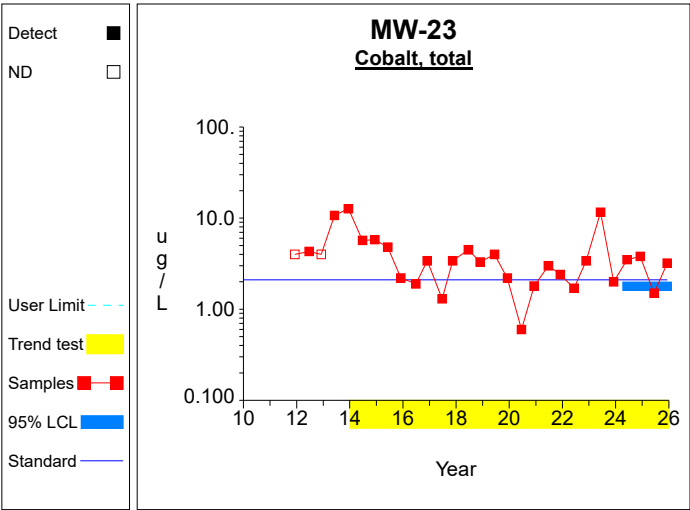
Graph 11



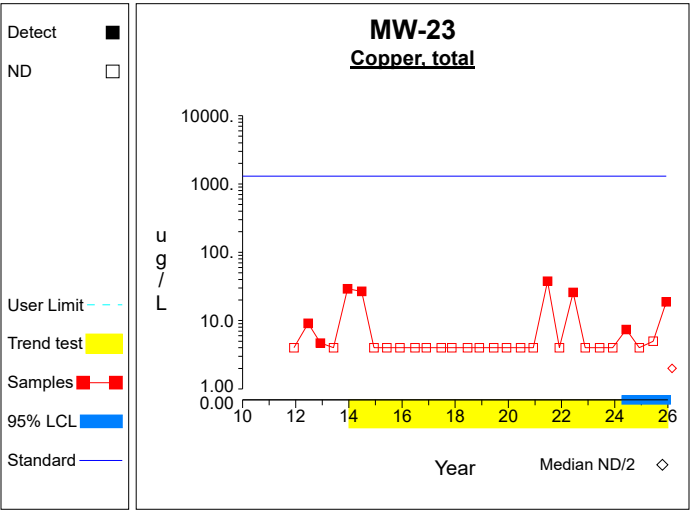
Graph 12



Graph 13

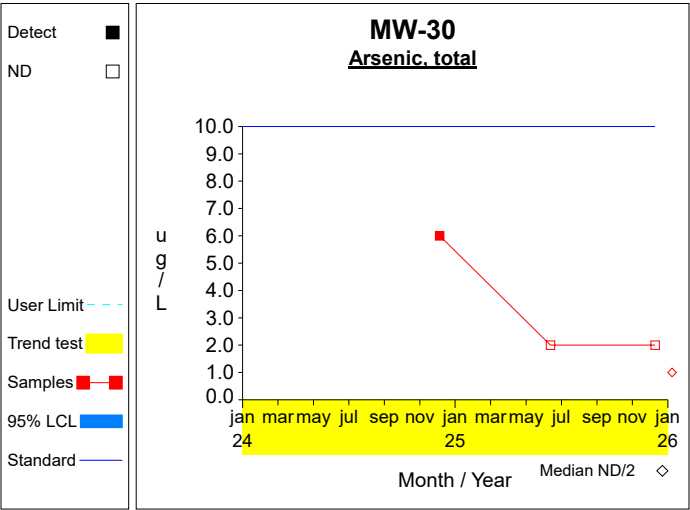


Graph 14

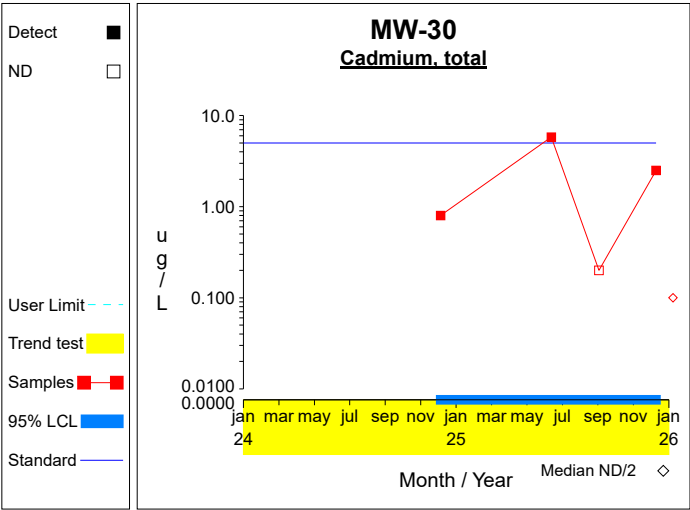


Graph 15

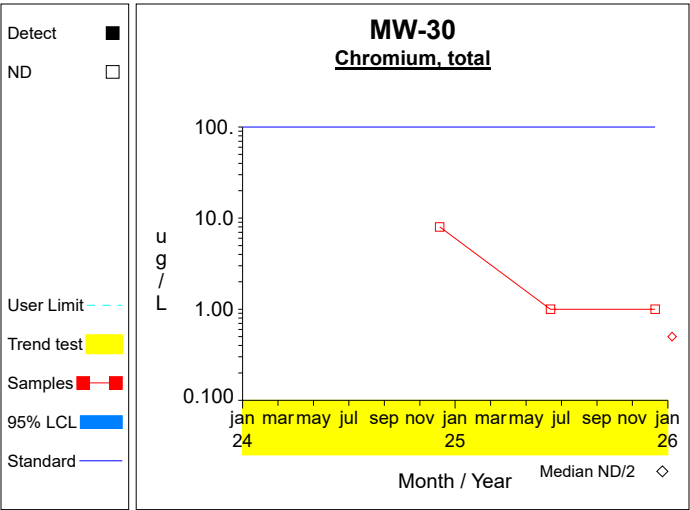
Confidence Limits (Assessment)



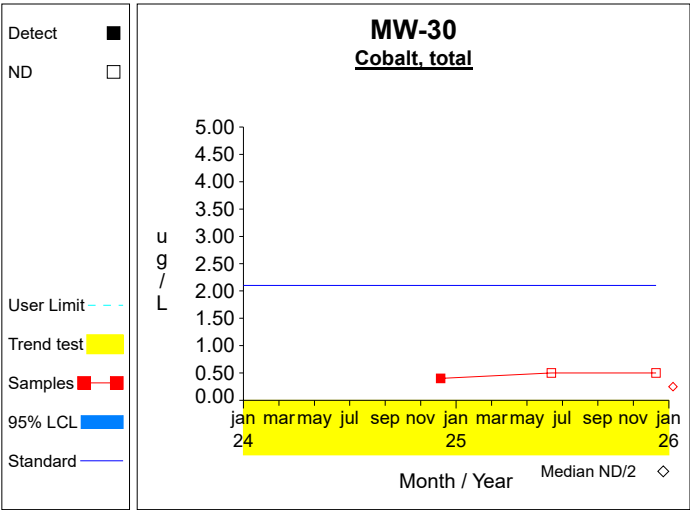
Graph 16



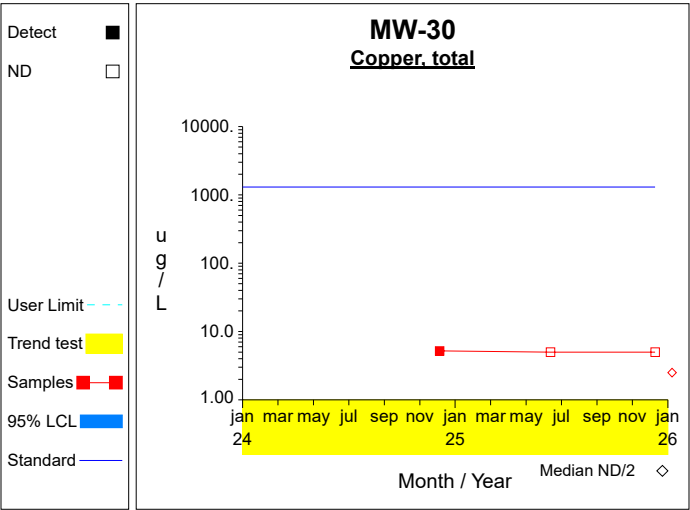
Graph 17



Graph 18

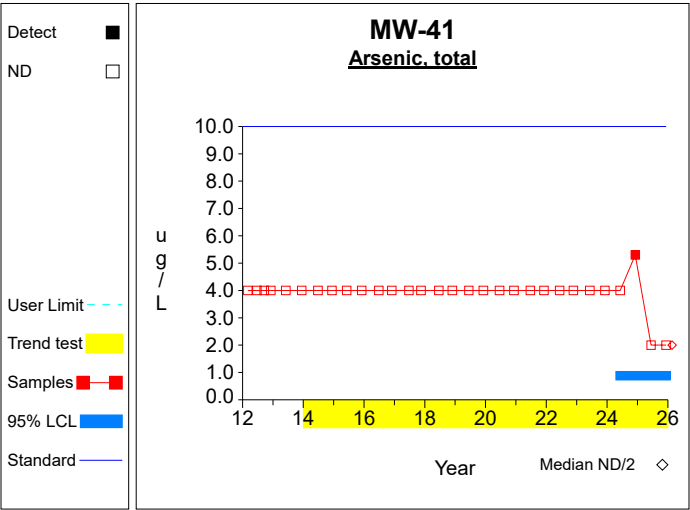


Graph 19

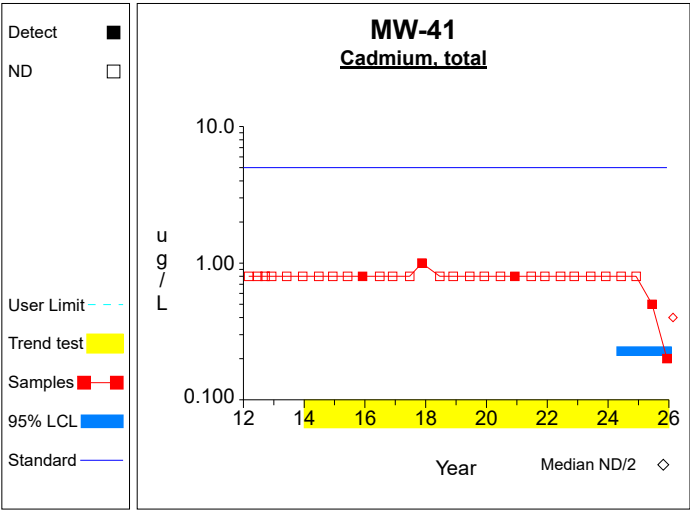


Graph 20

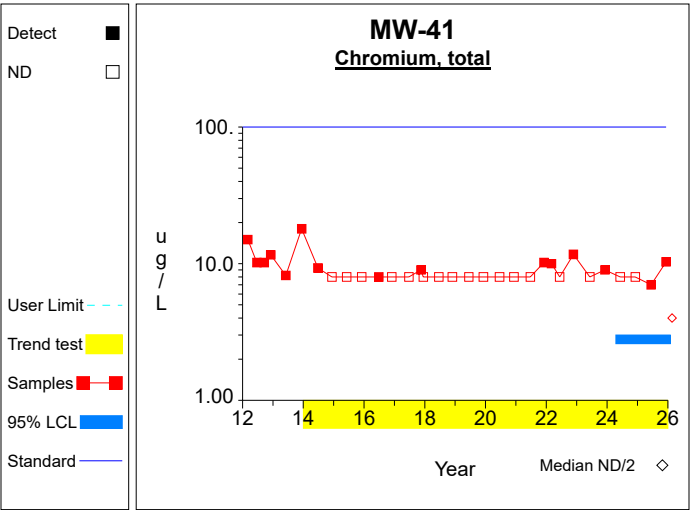
Confidence Limits (Assessment)



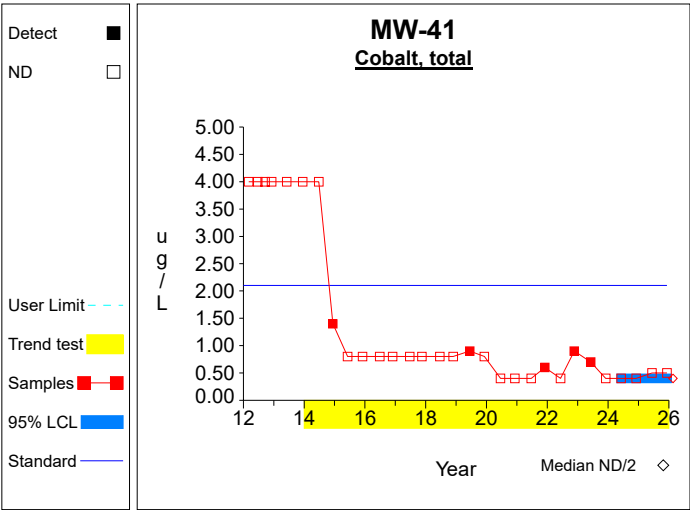
Graph 21



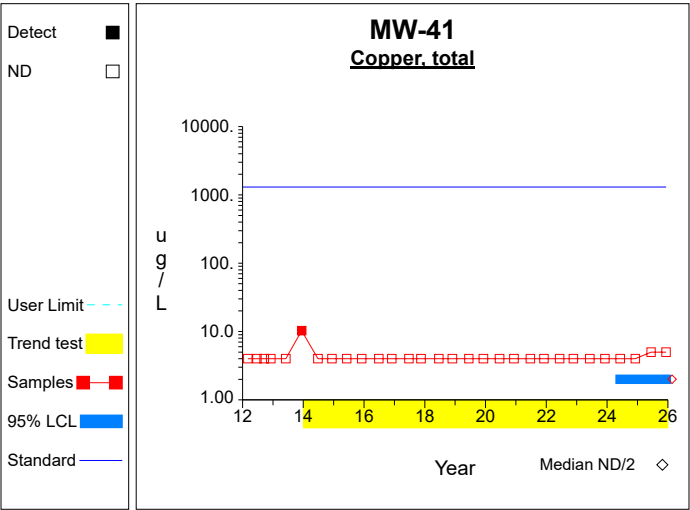
Graph 22



Graph 23

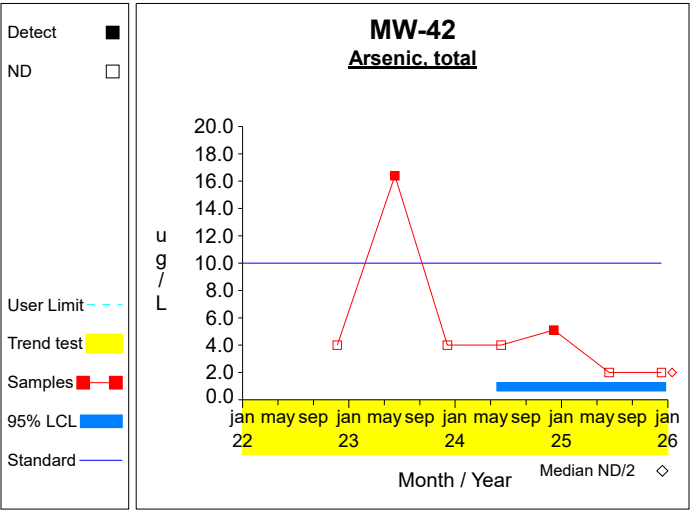


Graph 24

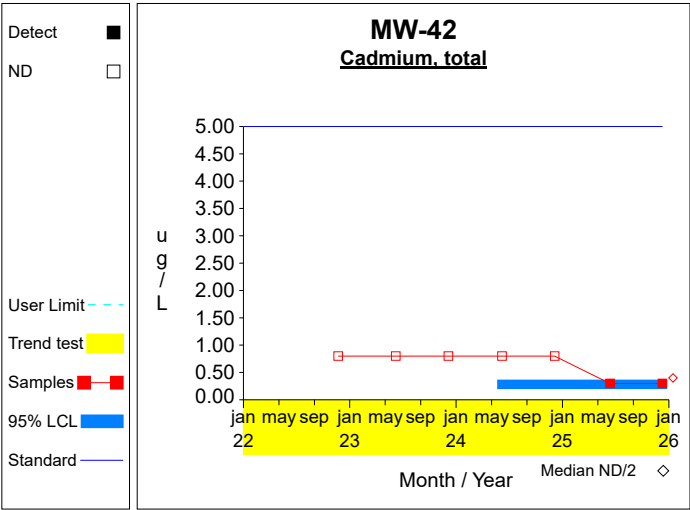


Graph 25

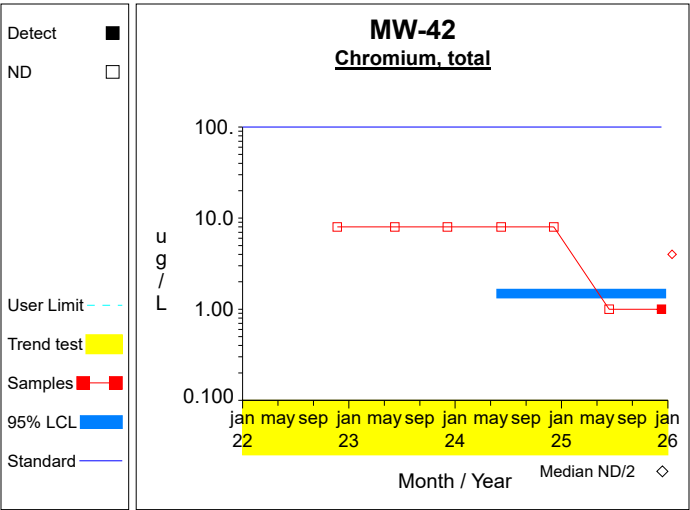
Confidence Limits (Assessment)



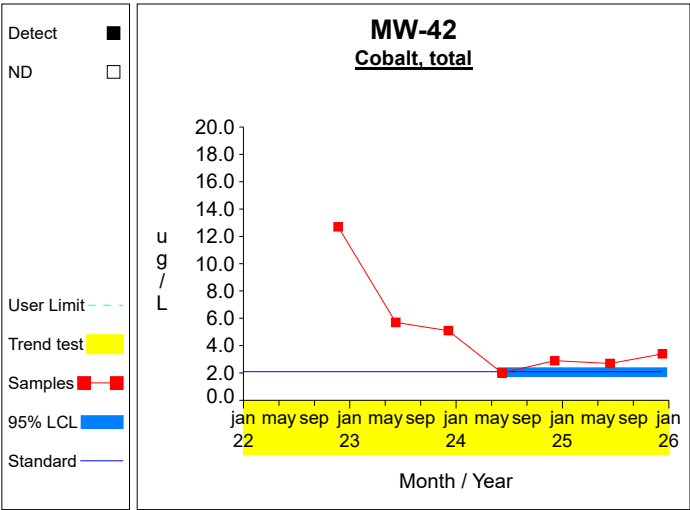
Graph 26



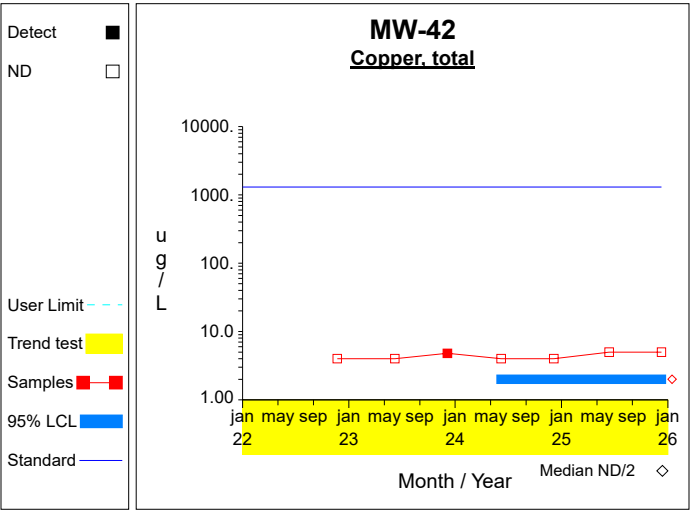
Graph 27



Graph 28



Graph 29



Graph 30

Attachment D

Historical VOC Detections

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Benzene	GU-5	6/06/2024		1	1	ug/L
Xylenes, total	GU-5	6/06/2024		3.8	2.0	ug/L
Benzene	MW-11	5/21/1997		1.1	1.0	ug/L
Benzene	MW-11	6/04/1997		1.2	1.0	ug/L
1,1-dichloroethane	MW-20-2	6/22/2021		270	5	ug/L
1,1-dichloroethane	MW-20-2	12/02/2021		282	5	ug/L
1,1-dichloroethane	MW-20-2	6/08/2022		219	10	ug/L
1,1-dichloroethane	MW-20-2	11/22/2022		256	10	ug/L
1,1-dichloroethane	MW-20-2	6/06/2023		215	5	ug/L
1,1-dichloroethane	MW-20-2	12/04/2023		186	5	ug/L
1,1-dichloroethane	MW-20-2	6/06/2024		243	5	ug/L
1,1-dichloroethane	MW-20-2	12/04/2024		191	5	ug/L
1,1-dichloroethane	MW-20-2	6/12/2025		166	5	ug/L
1,1-dichloroethane	MW-20-2	12/09/2025		148	1	ug/L
1,2-dichlorobenzene	MW-20-2	12/04/2023		1.3	1.0	ug/L
1,2-dichloroethane	MW-20-2	12/02/2021		1.2	1.0	ug/L
1,2-dichloroethane	MW-20-2	6/06/2023		1.2	1.0	ug/L
1,2-dichloroethane	MW-20-2	6/06/2024		2.7	1.0	ug/L
1,2-dichloroethane	MW-20-2	12/04/2024		1.0	1.0	ug/L
1,2-dichloropropane	MW-20-2	6/08/2022		1.2	1.0	ug/L
1,2-dichloropropane	MW-20-2	6/06/2023		1.1	1.0	ug/L
1,2-dichloropropane	MW-20-2	6/06/2024		1.8	1.0	ug/L
1,4-dichlorobenzene	MW-20-2	6/22/2021		2.6	1.0	ug/L
1,4-dichlorobenzene	MW-20-2	12/02/2021		1.9	1.0	ug/L
1,4-dichlorobenzene	MW-20-2	6/08/2022		1.5	1.0	ug/L
1,4-dichlorobenzene	MW-20-2	6/06/2023		1.4	1.0	ug/L
1,4-dichlorobenzene	MW-20-2	12/04/2023		1.2	1.0	ug/L
1,4-dichlorobenzene	MW-20-2	12/04/2024		1.1	1.0	ug/L
1,4-dichlorobenzene	MW-20-2	6/12/2025		1.3	1.0	ug/L
1,4-dichlorobenzene	MW-20-2	12/09/2025		1.1	1.0	ug/L
Bromochloromethane	MW-20-2	6/06/2024		2.6	1.0	ug/L
Chlorobenzene	MW-20-2	6/22/2021		5.0	1.0	ug/L
Chlorobenzene	MW-20-2	12/02/2021		3.8	1.0	ug/L
Chlorobenzene	MW-20-2	6/08/2022		3.6	1.0	ug/L
Chlorobenzene	MW-20-2	11/22/2022		3.0	1.0	ug/L
Chlorobenzene	MW-20-2	6/06/2023		3.6	1.0	ug/L
Chlorobenzene	MW-20-2	12/04/2023		3.4	1.0	ug/L
Chlorobenzene	MW-20-2	6/06/2024		3.7	1.0	ug/L
Chlorobenzene	MW-20-2	12/04/2024		3.7	1.0	ug/L
Chlorobenzene	MW-20-2	6/12/2025		3.0	1.0	ug/L
Chlorobenzene	MW-20-2	12/09/2025		3.4	1.0	ug/L
Chloroethane	MW-20-2	6/22/2021		78.8	1.0	ug/L
Chloroethane	MW-20-2	12/02/2021		69.2	1.0	ug/L
Chloroethane	MW-20-2	6/08/2022		69.3	1.0	ug/L
Chloroethane	MW-20-2	11/22/2022		56.0	1.0	ug/L
Chloroethane	MW-20-2	6/06/2023		42.9	1.0	ug/L
Chloroethane	MW-20-2	12/04/2023		41.8	1.0	ug/L
Chloroethane	MW-20-2	6/06/2024		25.7	1.0	ug/L
Chloroethane	MW-20-2	12/04/2024		31.5	1.0	ug/L
Chloroethane	MW-20-2	6/12/2025		34.7	1.0	ug/L
Chloroethane	MW-20-2	12/09/2025		23.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-2	6/22/2021		30.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-2	12/02/2021		34.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-2	6/08/2022		35.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-2	11/22/2022		34.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-2	6/06/2023		25.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-2	12/04/2023		24.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-2	6/06/2024		45.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-2	12/04/2024		26.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-2	6/12/2025		26.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-2	12/09/2025		22.4	1.0	ug/L
Tetrachloroethylene	MW-20-2	6/22/2021		9.0	1.0	ug/L
Tetrachloroethylene	MW-20-2	12/02/2021		4.2	1.0	ug/L
Tetrachloroethylene	MW-20-2	6/08/2022		2.2	1.0	ug/L
Tetrachloroethylene	MW-20-2	11/22/2022		1.6	1.0	ug/L
Tetrachloroethylene	MW-20-2	6/06/2023		1.5	1.0	ug/L
Tetrachloroethylene	MW-20-2	6/06/2024		8.0	1.0	ug/L
Tetrachloroethylene	MW-20-2	6/12/2025		2.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-2	6/22/2021		3.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-2	12/02/2021		2.8	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-2	6/08/2022		3.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-2	11/22/2022		2.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-2	6/06/2023		2.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-2	12/04/2023		2.7	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-2	6/06/2024		2.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-2	12/04/2024		2.5	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
Trans-1,2-dichloroethylene	MW-20-2	6/12/2025		2.1	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-2	12/09/2025		2.1	1.0	ug/L
Trichloroethylene	MW-20-2	6/22/2021		4.4	1.0	ug/L
Trichloroethylene	MW-20-2	12/02/2021		3.0	1.0	ug/L
Trichloroethylene	MW-20-2	6/08/2022		2.3	1.0	ug/L
Trichloroethylene	MW-20-2	11/22/2022		1.5	1.0	ug/L
Trichloroethylene	MW-20-2	6/06/2023		1.6	1.0	ug/L
Trichloroethylene	MW-20-2	12/04/2023		1.1	1.0	ug/L
Trichloroethylene	MW-20-2	6/06/2024		12.7	1.0	ug/L
Trichloroethylene	MW-20-2	12/04/2024		1.3	1.0	ug/L
Trichloroethylene	MW-20-2	6/12/2025		1.9	1.0	ug/L
Trichloroethylene	MW-20-2	12/09/2025		1.3	1.0	ug/L
Trichlorofluoromethane	MW-20-2	6/22/2021		4.3	1.0	ug/L
Trichlorofluoromethane	MW-20-2	12/02/2021		4.6	1.0	ug/L
Trichlorofluoromethane	MW-20-2	6/08/2022		2.4	1.0	ug/L
Trichlorofluoromethane	MW-20-2	11/22/2022		1.8	1.0	ug/L
Trichlorofluoromethane	MW-20-2	6/06/2023		1.8	1.0	ug/L
Trichlorofluoromethane	MW-20-2	12/04/2023		2.6	1.0	ug/L
Trichlorofluoromethane	MW-20-2	6/06/2024		10.6	1.0	ug/L
Trichlorofluoromethane	MW-20-2	12/04/2024		1.4	1.0	ug/L
Trichlorofluoromethane	MW-20-2	12/09/2025		1.2	1.0	ug/L
Vinyl chloride	MW-20-2	6/22/2021		8.7	1.0	ug/L
Vinyl chloride	MW-20-2	12/02/2021		7.7	1.0	ug/L
Vinyl chloride	MW-20-2	6/08/2022		4.0	3.2	ug/L
Vinyl chloride	MW-20-2	11/22/2022		5.3	1.0	ug/L
Vinyl chloride	MW-20-2	6/06/2023		4.7	1.0	ug/L
Vinyl chloride	MW-20-2	12/04/2023		5.7	1.0	ug/L
Vinyl chloride	MW-20-2	6/06/2024		4.1	1.0	ug/L
Vinyl chloride	MW-20-2	12/04/2024		3.6	1.0	ug/L
Vinyl chloride	MW-20-2	6/12/2025		2.0	1.0	ug/L
Vinyl chloride	MW-20-2	12/09/2025		2.5	1.0	ug/L
1,1-dichloroethane	MW-20-6	6/22/2021		310.0	10.0	ug/L
1,1-dichloroethane	MW-20-6	12/02/2021		318.0	10.0	ug/L
1,1-dichloroethane	MW-20-6	6/08/2022		272.0	10.0	ug/L
1,1-dichloroethane	MW-20-6	11/22/2022		135.0	10.0	ug/L
1,1-dichloroethane	MW-20-6	6/06/2023		271.0	5.0	ug/L
1,1-dichloroethane	MW-20-6	12/04/2023		303.0	5.0	ug/L
1,1-dichloroethane	MW-20-6	6/06/2024		12.4	1.0	ug/L
1,1-dichloroethane	MW-20-6	12/04/2024		272.0	5.0	ug/L
1,1-dichloroethane	MW-20-6	6/12/2025		235.0	5.0	ug/L
1,1-dichloroethane	MW-20-6	12/09/2025		196.0	1.0	ug/L
1,2-dichloroethane	MW-20-6	6/22/2021		3.5	1.0	ug/L
1,2-dichloroethane	MW-20-6	12/02/2021		2.7	1.0	ug/L
1,2-dichloroethane	MW-20-6	6/08/2022		3.3	1.0	ug/L
1,2-dichloroethane	MW-20-6	6/06/2023		3.0	1.0	ug/L
1,2-dichloroethane	MW-20-6	12/04/2023		2.8	1.0	ug/L
1,2-dichloroethane	MW-20-6	12/04/2024		2.6	1.0	ug/L
1,2-dichloroethane	MW-20-6	6/12/2025		2.3	1.0	ug/L
1,2-dichloroethane	MW-20-6	12/09/2025		2.2	1.0	ug/L
1,2-dichloropropane	MW-20-6	6/22/2021		1.9	1.0	ug/L
1,2-dichloropropane	MW-20-6	12/02/2021		1.6	1.0	ug/L
1,2-dichloropropane	MW-20-6	6/08/2022		2.0	1.0	ug/L
1,2-dichloropropane	MW-20-6	6/06/2023		1.9	1.0	ug/L
1,2-dichloropropane	MW-20-6	12/04/2023		1.6	1.0	ug/L
1,2-dichloropropane	MW-20-6	12/04/2024		1.6	1.0	ug/L
1,2-dichloropropane	MW-20-6	6/12/2025		1.5	1.0	ug/L
1,2-dichloropropane	MW-20-6	12/09/2025		1.6	1.0	ug/L
Benzene	MW-20-6	6/22/2021		1.2	1.0	ug/L
Chlorobenzene	MW-20-6	6/22/2021		4.0	1.0	ug/L
Chlorobenzene	MW-20-6	12/02/2021		3.4	1.0	ug/L
Chlorobenzene	MW-20-6	6/08/2022		3.2	1.0	ug/L
Chlorobenzene	MW-20-6	11/22/2022		3.3	1.0	ug/L
Chlorobenzene	MW-20-6	6/06/2023		3.5	1.0	ug/L
Chlorobenzene	MW-20-6	12/04/2023		3.1	1.0	ug/L
Chlorobenzene	MW-20-6	12/04/2024		2.4	1.0	ug/L
Chlorobenzene	MW-20-6	6/12/2025		2.9	1.0	ug/L
Chlorobenzene	MW-20-6	12/09/2025		2.9	1.0	ug/L
Chloroethane	MW-20-6	6/22/2021		44.0	1.0	ug/L
Chloroethane	MW-20-6	12/02/2021		45.2	1.0	ug/L
Chloroethane	MW-20-6	6/08/2022		37.7	1.0	ug/L
Chloroethane	MW-20-6	11/22/2022		38.8	1.0	ug/L
Chloroethane	MW-20-6	6/06/2023		26.7	1.0	ug/L
Chloroethane	MW-20-6	12/04/2023		26.7	1.0	ug/L
Chloroethane	MW-20-6	12/04/2024		21.6	1.0	ug/L
Chloroethane	MW-20-6	6/12/2025		23.9	1.0	ug/L
Chloroethane	MW-20-6	12/09/2025		22.6	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
Cis-1,2-dichloroethylene	MW-20-6	6/22/2021		90.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-6	12/02/2021		76.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-6	6/08/2022		70.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-6	11/22/2022		71.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-6	6/06/2023		53.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-6	12/04/2023		49.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-6	6/06/2024		1.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-6	12/04/2024		43.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-6	6/12/2025		56.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-20-6	12/09/2025		42.9	1.0	ug/L
Tetrachloroethylene	MW-20-6	6/22/2021		8.4	1.0	ug/L
Tetrachloroethylene	MW-20-6	12/02/2021		7.1	1.0	ug/L
Tetrachloroethylene	MW-20-6	6/08/2022		6.4	1.0	ug/L
Tetrachloroethylene	MW-20-6	11/22/2022		7.3	1.0	ug/L
Tetrachloroethylene	MW-20-6	6/06/2023		5.9	1.0	ug/L
Tetrachloroethylene	MW-20-6	12/04/2023		6.5	1.0	ug/L
Tetrachloroethylene	MW-20-6	12/04/2024		7.1	1.0	ug/L
Tetrachloroethylene	MW-20-6	6/12/2025		7.6	1.0	ug/L
Tetrachloroethylene	MW-20-6	12/09/2025		7.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-6	6/22/2021		5.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-6	12/02/2021		4.1	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-6	6/08/2022		3.9	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-6	11/22/2022		4.1	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-6	6/06/2023		3.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-6	12/04/2023		3.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-6	12/04/2024		2.0	1.0	ug/L
Trans-1,2-dichloroethylene	MW-20-6	12/09/2025		1.8	1.0	ug/L
Trichloroethylene	MW-20-6	6/22/2021		17.8	1.0	ug/L
Trichloroethylene	MW-20-6	12/02/2021		16.3	1.0	ug/L
Trichloroethylene	MW-20-6	6/08/2022		14.1	1.0	ug/L
Trichloroethylene	MW-20-6	11/22/2022		15.0	1.0	ug/L
Trichloroethylene	MW-20-6	6/06/2023		12.5	1.0	ug/L
Trichloroethylene	MW-20-6	12/04/2023		12.8	1.0	ug/L
Trichloroethylene	MW-20-6	12/04/2024		10.2	1.0	ug/L
Trichloroethylene	MW-20-6	6/12/2025		10.9	1.0	ug/L
Trichloroethylene	MW-20-6	12/09/2025		10.1	1.0	ug/L
Trichlorofluoromethane	MW-20-6	6/22/2021		12.0	1.0	ug/L
Trichlorofluoromethane	MW-20-6	12/02/2021		6.7	1.0	ug/L
Trichlorofluoromethane	MW-20-6	6/08/2022		9.6	1.0	ug/L
Trichlorofluoromethane	MW-20-6	11/22/2022		6.1	1.0	ug/L
Trichlorofluoromethane	MW-20-6	6/06/2023		6.6	1.0	ug/L
Trichlorofluoromethane	MW-20-6	12/04/2023		12.6	1.0	ug/L
Trichlorofluoromethane	MW-20-6	12/04/2024		8.9	1.0	ug/L
Trichlorofluoromethane	MW-20-6	6/12/2025		13.5	1.0	ug/L
Trichlorofluoromethane	MW-20-6	12/09/2025		12.2	1.0	ug/L
Vinyl chloride	MW-20-6	6/22/2021		6.3	1.0	ug/L
Vinyl chloride	MW-20-6	12/02/2021		7.1	1.0	ug/L
Vinyl chloride	MW-20-6	6/08/2022		3.6	1.0	ug/L
Vinyl chloride	MW-20-6	11/22/2022		6.9	1.0	ug/L
Vinyl chloride	MW-20-6	6/06/2023		5.0	1.0	ug/L
Vinyl chloride	MW-20-6	12/04/2023		5.6	1.0	ug/L
Vinyl chloride	MW-20-6	12/04/2024		2.8	1.0	ug/L
Vinyl chloride	MW-20-6	6/12/2025		3.2	1.0	ug/L
Vinyl chloride	MW-20-6	12/09/2025		1.8	1.0	ug/L
1,1-dichloroethane	MW-22-2	6/22/2021		191	5	ug/L
1,1-dichloroethane	MW-22-2	12/02/2021		249	5	ug/L
1,1-dichloroethane	MW-22-2	6/08/2022		184	10	ug/L
1,1-dichloroethane	MW-22-2	11/22/2022		222	10	ug/L
1,1-dichloroethane	MW-22-2	6/06/2023		186	5	ug/L
1,1-dichloroethane	MW-22-2	12/04/2023		192	1	ug/L
1,1-dichloroethane	MW-22-2	6/06/2024		209	5	ug/L
1,1-dichloroethane	MW-22-2	12/04/2024		198	5	ug/L
1,1-dichloroethane	MW-22-2	6/12/2025		175	5	ug/L
1,1-dichloroethane	MW-22-2	12/09/2025		139	1	ug/L
1,2-dichloroethane	MW-22-2	6/22/2021		3.5	1.0	ug/L
1,2-dichloroethane	MW-22-2	12/02/2021		3.3	1.0	ug/L
1,2-dichloroethane	MW-22-2	6/08/2022		4.5	1.0	ug/L
1,2-dichloroethane	MW-22-2	6/06/2023		3.4	1.0	ug/L
1,2-dichloroethane	MW-22-2	12/04/2023		2.9	1.0	ug/L
1,2-dichloroethane	MW-22-2	6/06/2024		3.5	1.0	ug/L
1,2-dichloroethane	MW-22-2	12/04/2024		3.4	1.0	ug/L
1,2-dichloroethane	MW-22-2	6/12/2025		2.9	1.0	ug/L
1,2-dichloroethane	MW-22-2	12/09/2025		2.8	1.0	ug/L
1,2-dichloropropane	MW-22-2	6/08/2022		1	1	ug/L
1,4-dichlorobenzene	MW-22-2	6/22/2021		1.9	1.0	ug/L
1,4-dichlorobenzene	MW-22-2	12/02/2021		2.1	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,4-dichlorobenzene	MW-22-2	6/08/2022		2.0	1.0	ug/L
1,4-dichlorobenzene	MW-22-2	11/22/2022		1.7	1.0	ug/L
1,4-dichlorobenzene	MW-22-2	6/06/2023		2.2	1.0	ug/L
1,4-dichlorobenzene	MW-22-2	12/04/2023		1.7	1.0	ug/L
1,4-dichlorobenzene	MW-22-2	6/06/2024		2.4	1.0	ug/L
1,4-dichlorobenzene	MW-22-2	12/04/2024		2.0	1.0	ug/L
1,4-dichlorobenzene	MW-22-2	6/12/2025		2.6	1.0	ug/L
1,4-dichlorobenzene	MW-22-2	12/09/2025		2.5	1.0	ug/L
Benzene	MW-22-2	6/22/2021		1.7	1.0	ug/L
Benzene	MW-22-2	12/02/2021		1.7	1.0	ug/L
Benzene	MW-22-2	6/08/2022		2.2	1.0	ug/L
Benzene	MW-22-2	11/22/2022		1.9	1.0	ug/L
Benzene	MW-22-2	6/06/2023		1.4	1.0	ug/L
Benzene	MW-22-2	12/04/2023		1.3	1.0	ug/L
Benzene	MW-22-2	6/06/2024		1.3	1.0	ug/L
Chlorobenzene	MW-22-2	6/22/2021		8.8	1.0	ug/L
Chlorobenzene	MW-22-2	12/02/2021		9.2	1.0	ug/L
Chlorobenzene	MW-22-2	6/08/2022		9.1	1.0	ug/L
Chlorobenzene	MW-22-2	11/22/2022		8.4	1.0	ug/L
Chlorobenzene	MW-22-2	6/06/2023		8.6	1.0	ug/L
Chlorobenzene	MW-22-2	12/04/2023		6.8	1.0	ug/L
Chlorobenzene	MW-22-2	6/06/2024		9.8	1.0	ug/L
Chlorobenzene	MW-22-2	12/04/2024		7.0	1.0	ug/L
Chlorobenzene	MW-22-2	6/12/2025		8.9	1.0	ug/L
Chlorobenzene	MW-22-2	12/09/2025		8.4	1.0	ug/L
Chloroethane	MW-22-2	6/22/2021		165.0	5.0	ug/L
Chloroethane	MW-22-2	12/02/2021		187.0	5.0	ug/L
Chloroethane	MW-22-2	6/08/2022		123.0	10.0	ug/L
Chloroethane	MW-22-2	11/22/2022		144.0	10.0	ug/L
Chloroethane	MW-22-2	6/06/2023		124.0	1.0	ug/L
Chloroethane	MW-22-2	12/04/2023		105.0	1.0	ug/L
Chloroethane	MW-22-2	6/06/2024		132.0	1.0	ug/L
Chloroethane	MW-22-2	12/04/2024		98.1	5.0	ug/L
Chloroethane	MW-22-2	6/12/2025		109.0	5.0	ug/L
Chloroethane	MW-22-2	12/09/2025		105.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22-2	6/22/2021		142.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22-2	12/02/2021		145.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22-2	6/08/2022		139.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22-2	11/22/2022		122.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22-2	6/06/2023		89.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22-2	12/04/2023		83.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22-2	6/06/2024		95.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22-2	12/04/2024		93.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22-2	6/12/2025		109.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-22-2	12/09/2025		70.4	1.0	ug/L
Trans-1,2-dichloroethylene	MW-22-2	6/22/2021		3.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-22-2	12/02/2021		3.5	1.0	ug/L
Trans-1,2-dichloroethylene	MW-22-2	6/08/2022		4.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-22-2	6/06/2023		3.3	1.0	ug/L
Trans-1,2-dichloroethylene	MW-22-2	12/04/2023		3.2	1.0	ug/L
Trans-1,2-dichloroethylene	MW-22-2	6/06/2024		3.7	1.0	ug/L
Trans-1,2-dichloroethylene	MW-22-2	12/04/2024		3.3	1.0	ug/L
Trans-1,2-dichloroethylene	MW-22-2	6/12/2025		3.6	1.0	ug/L
Trans-1,2-dichloroethylene	MW-22-2	12/09/2025		3.4	1.0	ug/L
Trichlorofluoromethane	MW-22-2	12/02/2021		1.3	1.0	ug/L
Vinyl chloride	MW-22-2	6/22/2021		19.3	1.0	ug/L
Vinyl chloride	MW-22-2	12/02/2021		23.4	1.0	ug/L
Vinyl chloride	MW-22-2	6/08/2022		15.5	10.0	ug/L
Vinyl chloride	MW-22-2	6/06/2023		16.0	1.0	ug/L
Vinyl chloride	MW-22-2	12/04/2023		14.0	1.0	ug/L
Vinyl chloride	MW-22-2	6/06/2024		20.0	1.0	ug/L
Vinyl chloride	MW-22-2	12/04/2024		15.1	1.0	ug/L
Vinyl chloride	MW-22-2	6/12/2025		16.1	1.0	ug/L
Vinyl chloride	MW-22-2	12/09/2025		15.0	1.0	ug/L
1,1-dichloroethane	MW-23	12/06/2011		2.4	1.0	ug/L
1,1-dichloroethane	MW-23	12/04/2012		2.9	1.0	ug/L
1,1-dichloroethane	MW-23	6/03/2013		15.1	1.0	ug/L
1,1-dichloroethane	MW-23	12/12/2013		1.8	1.0	ug/L
1,1-dichloroethane	MW-23	6/25/2014		4.3	1.0	ug/L
1,1-dichloroethane	MW-23	12/10/2014		2.4	1.0	ug/L
1,1-dichloroethane	MW-23	6/04/2015		9.1	1.0	ug/L
1,1-dichloroethane	MW-23	12/01/2015		1.6	1.0	ug/L
1,1-dichloroethane	MW-23	6/27/2016		1.6	1.0	ug/L
1,1-dichloroethane	MW-23	11/30/2016		2.5	1.0	ug/L
1,1-dichloroethane	MW-23	6/22/2017		1.1	1.0	ug/L
1,1-dichloroethane	MW-23	11/15/2017		3.1	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-dichloroethane	MW-23	6/18/2018		4.6	1.0	ug/L
1,1-dichloroethane	MW-23	11/28/2018		1.5	1.0	ug/L
1,1-dichloroethane	MW-23	6/12/2019		4.2	1.0	ug/L
1,1-dichloroethane	MW-23	12/05/2019		1.7	1.0	ug/L
1,1-dichloroethane	MW-23	12/07/2020		1.8	1.0	ug/L
1,1-dichloroethane	MW-23	6/22/2021		1.6	1.0	ug/L
1,1-dichloroethane	MW-23	12/02/2021		5.6	1.0	ug/L
1,1-dichloroethane	MW-23	6/08/2022		2.0	1.0	ug/L
1,1-dichloroethane	MW-23	11/22/2022		6.2	1.0	ug/L
1,1-dichloroethane	MW-23	6/06/2023		5.0	1.0	ug/L
1,1-dichloroethane	MW-23	12/04/2023		5.9	1.0	ug/L
1,1-dichloroethane	MW-23	6/06/2024		5.2	1.0	ug/L
1,1-dichloroethane	MW-23	12/04/2024		8.4	1.0	ug/L
1,1-dichloroethane	MW-23	6/12/2025		3.2	1.0	ug/L
1,1-dichloroethane	MW-23	12/09/2025		5.4	1.0	ug/L
Acetone	MW-23	6/06/2024		31.2	10.0	ug/L
Benzene	MW-23	6/17/2008		3.9	1.0	ug/L
Benzene	MW-23	12/03/2008		1.1	.0	ug/L
Benzene	MW-23	6/04/2009		1.3	.0	ug/L
Chloroethane	MW-23	12/06/2011		1.1	1.0	ug/L
Chloroethane	MW-23	12/04/2012		2.3	1.0	ug/L
Chloroethane	MW-23	6/03/2013		10.3	1.0	ug/L
Chloroethane	MW-23	12/12/2013		2.7	1.0	ug/L
Chloroethane	MW-23	6/25/2014		4.4	1.0	ug/L
Chloroethane	MW-23	12/10/2014		3.3	1.0	ug/L
Chloroethane	MW-23	6/04/2015		6.5	1.0	ug/L
Chloroethane	MW-23	12/01/2015		2.4	1.0	ug/L
Chloroethane	MW-23	6/27/2016		2.3	1.0	ug/L
Chloroethane	MW-23	11/30/2016		2.9	1.0	ug/L
Chloroethane	MW-23	6/22/2017		3.5	1.0	ug/L
Chloroethane	MW-23	11/15/2017		5.6	1.0	ug/L
Chloroethane	MW-23	6/18/2018		7.5	1.0	ug/L
Chloroethane	MW-23	11/28/2018		3.9	1.0	ug/L
Chloroethane	MW-23	6/12/2019		5.8	1.0	ug/L
Chloroethane	MW-23	12/05/2019		2.4	1.0	ug/L
Chloroethane	MW-23	6/17/2020		1.9	1.0	ug/L
Chloroethane	MW-23	12/07/2020		2.9	1.0	ug/L
Chloroethane	MW-23	6/22/2021		4.4	1.0	ug/L
Chloroethane	MW-23	12/02/2021		8.7	1.0	ug/L
Chloroethane	MW-23	6/08/2022		8.0	1.0	ug/L
Chloroethane	MW-23	11/22/2022		9.6	1.0	ug/L
Chloroethane	MW-23	6/06/2023		7.4	1.0	ug/L
Chloroethane	MW-23	12/04/2023		6.7	1.0	ug/L
Chloroethane	MW-23	6/06/2024		10.6	1.0	ug/L
Chloroethane	MW-23	12/04/2024		15.3	1.0	ug/L
Chloroethane	MW-23	6/12/2025		8.8	1.0	ug/L
Chloroethane	MW-23	12/09/2025		12.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-23	6/03/2013		2	1	ug/L
Vinyl chloride	MW-23	6/17/2008		2.4	1.0	ug/L
Vinyl chloride	MW-23	12/04/2012		1.3	1.0	ug/L
Vinyl chloride	MW-23	6/03/2013		2.6	1.0	ug/L
Chloromethane	MW-27	12/02/2021		1.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-27	12/02/2021		1.1	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-41	6/08/2022		18	6	ug/L
1,1-dichloroethane	MW-42	6/06/2023		1.4	1.0	ug/L
1,1-dichloroethane	MW-42	12/04/2023		2.1	1.0	ug/L
1,1-dichloroethane	MW-42	6/06/2024		2.0	1.0	ug/L
1,1-dichloroethane	MW-42	12/04/2024		2.8	1.0	ug/L
1,1-dichloroethane	MW-42	6/12/2025		3.6	1.0	ug/L
1,1-dichloroethane	MW-42	12/09/2025		2.5	1.0	ug/L
Chlorobenzene	MW-42	6/06/2023		1.9	1.0	ug/L
Chlorobenzene	MW-42	12/04/2023		1.3	1.0	ug/L
Chlorobenzene	MW-42	6/06/2024		1.3	1.0	ug/L
Chlorobenzene	MW-42	12/04/2024		2.5	1.0	ug/L
Chlorobenzene	MW-42	6/12/2025		2.2	1.0	ug/L
Chlorobenzene	MW-42	12/09/2025		2.7	1.0	ug/L
Chloroethane	MW-42	11/22/2022		5.8	1.0	ug/L
Chloroethane	MW-42	6/06/2023		7.8	1.0	ug/L
Chloroethane	MW-42	12/04/2023		2.6	1.0	ug/L
Chloroethane	MW-42	6/06/2024		5.1	1.0	ug/L
Chloroethane	MW-42	12/04/2024		9.7	1.0	ug/L
Chloroethane	MW-42	6/12/2025		6.9	1.0	ug/L
Chloroethane	MW-42	12/09/2025		10.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-42	11/22/2022		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-42	6/06/2023		3.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-42	12/04/2023		4.0	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-42	6/06/2024		4.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-42	12/04/2024		7.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-42	6/12/2025		9.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-42	12/09/2025		10.1	1.0	ug/L
1,1,1-trichloroethane	MW-7	6/06/1994		.3	.3	ug/L
1,1,1-trichloroethane	MW-7	9/01/1994		.5	.3	ug/L
1,1-dichloroethane	MW-7	12/06/2011		2.5	1.0	ug/L
1,1-dichloroethane	MW-7	6/21/2012		2.3	1.0	ug/L
1,1-dichloroethane	MW-7	12/04/2012		2.2	1.0	ug/L
1,1-dichloroethane	MW-7	6/03/2013		1.9	1.0	ug/L
1,1-dichloroethane	MW-7	9/11/2013		2.0	1.0	ug/L
1,1-dichloroethane	MW-7	12/12/2013		2.5	1.0	ug/L
1,1-dichloroethane	MW-7	6/25/2014		1.8	1.0	ug/L
1,1-dichloroethane	MW-7	12/10/2014		1.6	1.0	ug/L
1,1-dichloroethane	MW-7	6/04/2015		1.6	1.0	ug/L
1,1-dichloroethane	MW-7	12/01/2015		1.1	1.0	ug/L
1,1-dichloroethane	MW-7	6/27/2016		1.3	1.0	ug/L
1,1-dichloroethane	MW-7	6/22/2017		1.0	1.0	ug/L
1,1-dichloroethane	MW-7	11/15/2017		1.9	1.0	ug/L
1,1-dichloroethane	MW-7	11/28/2018		1.0	1.0	ug/L
1,1-dichloroethane	MW-7	12/05/2019		1.4	1.0	ug/L
1,1-dichloroethane	MW-7	12/07/2020		2.5	1.0	ug/L
1,1-dichloroethane	MW-7	6/22/2021		3.1	1.0	ug/L
1,1-dichloroethane	MW-7	12/02/2021		5.0	1.0	ug/L
1,1-dichloroethane	MW-7	6/08/2022		5.6	1.0	ug/L
1,1-dichloroethylene	MW-7	6/12/1998		7.7	1.0	ug/L
1,2-dichloropropane	MW-7	6/04/2015		1.0	1.0	ug/L
1,2-dichloropropane	MW-7	11/15/2017		1.1	1.0	ug/L
1,4-dichlorobenzene	MW-7	12/06/2011		1.5	1.0	ug/L
1,4-dichlorobenzene	MW-7	12/04/2012		1.6	1.0	ug/L
1,4-dichlorobenzene	MW-7	6/03/2013		3.6	1.0	ug/L
1,4-dichlorobenzene	MW-7	9/11/2013		2.5	1.0	ug/L
1,4-dichlorobenzene	MW-7	12/12/2013		1.8	1.0	ug/L
1,4-dichlorobenzene	MW-7	6/25/2014		3.0	1.0	ug/L
1,4-dichlorobenzene	MW-7	12/10/2014		2.2	1.0	ug/L
1,4-dichlorobenzene	MW-7	6/04/2015		1.9	1.0	ug/L
1,4-dichlorobenzene	MW-7	12/01/2015		1.7	1.0	ug/L
1,4-dichlorobenzene	MW-7	6/27/2016		2.0	1.0	ug/L
1,4-dichlorobenzene	MW-7	6/22/2017		2.6	1.0	ug/L
1,4-dichlorobenzene	MW-7	11/15/2017		1.7	1.0	ug/L
1,4-dichlorobenzene	MW-7	11/28/2018		3.6	1.0	ug/L
1,4-dichlorobenzene	MW-7	6/17/2020		6.2	1.0	ug/L
1,4-dichlorobenzene	MW-7	12/07/2020		4.0	1.0	ug/L
1,4-dichlorobenzene	MW-7	6/22/2021		11.2	1.0	ug/L
1,4-dichlorobenzene	MW-7	12/02/2021		3.7	1.0	ug/L
1,4-dichlorobenzene	MW-7	6/08/2022		4.7	1.0	ug/L
Benzene	MW-7	12/02/1993		1.7	1.0	ug/L
Benzene	MW-7	3/29/1994		1.4	1.0	ug/L
Benzene	MW-7	6/06/1994		1.3	1.0	ug/L
Benzene	MW-7	9/01/1994		1.4	1.0	ug/L
Benzene	MW-7	6/21/1995		1.6	1.0	ug/L
Benzene	MW-7	12/12/1995		1.2	1.0	ug/L
Benzene	MW-7	6/14/1996		1.0	.3	ug/L
Benzene	MW-7	12/10/1996		1.1	1.0	ug/L
Benzene	MW-7	6/28/2004		.8	.3	ug/L
Benzene	MW-7	6/06/2005		.8	.3	ug/L
Benzene	MW-7	12/18/2007		1.1	1.0	ug/L
Benzene	MW-7	6/18/2008		1.7	1.0	ug/L
Benzene	MW-7	6/18/2008		1.7	1.0	ug/L
Benzene	MW-7	6/04/2009		1.2	.0	ug/L
Benzene	MW-7	12/17/2009		1.1	1.0	ug/L
Benzene	MW-7	12/17/2009		1.1	.0	ug/L
Benzene	MW-7	6/28/2010		1.2	.0	ug/L
Benzene	MW-7	6/28/2010		1.2	1.0	ug/L
Benzene	MW-7	6/27/2016		1.5	1.0	ug/L
Benzene	MW-7	6/22/2017		1.0	1.0	ug/L
Benzene	MW-7	6/12/2019		1.8	1.0	ug/L
Benzene	MW-7	12/05/2019		1.2	1.0	ug/L
Benzene	MW-7	6/17/2020		2.0	1.0	ug/L
Benzene	MW-7	12/07/2020		1.0	1.0	ug/L
Benzene	MW-7	6/22/2021		1.4	1.0	ug/L
Benzene	MW-7	12/02/2021		1.2	1.0	ug/L
Benzene	MW-7	6/08/2022		1.4	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-7	12/12/2013		18	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-7	11/30/2016		16	10	ug/L
Bis(2-ethylhexyl) phthalate	MW-7	11/15/2017		11	6	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Bis(2-ethylhexyl) phthalate	MW-7	11/28/2018		25	6	ug/L
Chlorobenzene	MW-7	12/06/2011		1.0	1.0	ug/L
Chlorobenzene	MW-7	12/04/2012		1.1	1.0	ug/L
Chlorobenzene	MW-7	6/03/2013		1.3	1.0	ug/L
Chlorobenzene	MW-7	9/11/2013		1.6	1.0	ug/L
Chlorobenzene	MW-7	12/12/2013		1.3	1.0	ug/L
Chlorobenzene	MW-7	12/10/2014		1.7	1.0	ug/L
Chlorobenzene	MW-7	6/04/2015		1.9	1.0	ug/L
Chlorobenzene	MW-7	12/01/2015		1.8	1.0	ug/L
Chlorobenzene	MW-7	6/27/2016		1.8	1.0	ug/L
Chlorobenzene	MW-7	11/30/2016		1.6	1.0	ug/L
Chlorobenzene	MW-7	6/22/2017		1.8	1.0	ug/L
Chlorobenzene	MW-7	11/15/2017		2.0	1.0	ug/L
Chlorobenzene	MW-7	11/28/2018		2.0	1.0	ug/L
Chlorobenzene	MW-7	6/12/2019		1.5	1.0	ug/L
Chlorobenzene	MW-7	12/05/2019		2.0	1.0	ug/L
Chlorobenzene	MW-7	6/17/2020		2.4	1.0	ug/L
Chlorobenzene	MW-7	12/07/2020		2.5	1.0	ug/L
Chlorobenzene	MW-7	6/22/2021		3.1	1.0	ug/L
Chlorobenzene	MW-7	12/02/2021		2.5	1.0	ug/L
Chlorobenzene	MW-7	6/08/2022		2.7	1.0	ug/L
Chloroethane	MW-7	12/06/2011		12.1	1.0	ug/L
Chloroethane	MW-7	6/21/2012		10.6	1.0	ug/L
Chloroethane	MW-7	12/04/2012		9.8	1.0	ug/L
Chloroethane	MW-7	6/03/2013		14.5	1.0	ug/L
Chloroethane	MW-7	9/11/2013		13.5	1.0	ug/L
Chloroethane	MW-7	12/12/2013		9.7	1.0	ug/L
Chloroethane	MW-7	6/25/2014		13.7	1.0	ug/L
Chloroethane	MW-7	12/10/2014		16.0	1.0	ug/L
Chloroethane	MW-7	6/04/2015		16.9	1.0	ug/L
Chloroethane	MW-7	12/01/2015		14.4	1.0	ug/L
Chloroethane	MW-7	6/27/2016		14.6	1.0	ug/L
Chloroethane	MW-7	11/30/2016		14.0	1.0	ug/L
Chloroethane	MW-7	6/22/2017		13.6	1.0	ug/L
Chloroethane	MW-7	11/15/2017		16.4	1.0	ug/L
Chloroethane	MW-7	6/18/2018		10.7	1.0	ug/L
Chloroethane	MW-7	11/28/2018		12.0	1.0	ug/L
Chloroethane	MW-7	6/12/2019		16.2	1.0	ug/L
Chloroethane	MW-7	12/05/2019		14.7	1.0	ug/L
Chloroethane	MW-7	6/17/2020		15.2	1.0	ug/L
Chloroethane	MW-7	12/07/2020		14.2	1.0	ug/L
Chloroethane	MW-7	6/22/2021		14.7	1.0	ug/L
Chloroethane	MW-7	12/02/2021		18.4	1.0	ug/L
Chloroethane	MW-7	6/08/2022		16.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	12/06/2011		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	6/21/2012		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	12/04/2012		3.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	6/03/2013		4.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	9/11/2013		3.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	12/12/2013		3.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	6/25/2014		4.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	12/10/2014		5.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	6/04/2015		5.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	12/01/2015		4.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	6/27/2016		6.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	11/30/2016		6.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	6/22/2017		6.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	11/15/2017		8.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	6/18/2018		6.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	11/28/2018		9.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	6/12/2019		3.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	12/05/2019		7.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	6/17/2020		12.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	12/07/2020		9.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	6/22/2021		13.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	12/02/2021		16.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-7	6/08/2022		18.6	1.0	ug/L
Dichlorodifluoromethane	MW-7	9/11/2013		1.2	1.0	ug/L
Dichlorodifluoromethane	MW-7	12/12/2013		1.5	1.0	ug/L
Dichlorodifluoromethane	MW-7	6/25/2014		1.1	1.0	ug/L
Dichlorodifluoromethane	MW-7	12/10/2014		1.1	1.0	ug/L
Dichlorodifluoromethane	MW-7	6/04/2015		1.4	1.0	ug/L
Dichlorodifluoromethane	MW-7	11/15/2017		1.2	1.0	ug/L
Dichlorodifluoromethane	MW-7	6/12/2019		1.7	1.0	ug/L
Dichlorodifluoromethane	MW-7	12/05/2019		2.1	1.0	ug/L
Tetrachloroethylene	MW-7	6/03/2013		3.2	1.0	ug/L

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

Table 1**Historical Volatile Organic Compound Detections**

Constituent	Well	Date	Identifier	Result	Limit	Units
Tetrachloroethylene	MW-7	6/25/2014		6.6	1.0	ug/L
Trichloroethylene	MW-7	12/02/1993		4.9	1.0	ug/L
Trichloroethylene	MW-7	3/29/1994		4.1	1.0	ug/L
Trichloroethylene	MW-7	6/06/1994		4.0	1.0	ug/L
Trichloroethylene	MW-7	9/01/1994		4.3	1.0	ug/L
Trichloroethylene	MW-7	6/21/1995		4.1	1.0	ug/L
Trichloroethylene	MW-7	12/12/1995		2.1	1.0	ug/L
Trichloroethylene	MW-7	6/14/1996		4.0	1.0	ug/L
Trichloroethylene	MW-7	12/10/1997		2.9	1.0	ug/L
Trichloroethylene	MW-7	6/12/1998		2.1	1.0	ug/L
Trichloroethylene	MW-7	12/15/1999		1.9	1.0	ug/L
Trichloroethylene	MW-7	6/22/2000		1.9	1.0	ug/L
Trichloroethylene	MW-7	12/05/2000		1.9	1.0	ug/L
Trichloroethylene	MW-7	12/18/2001		1.0	1.0	ug/L
Trichloroethylene	MW-7	6/28/2004		.4	.3	ug/L
Trichloroethylene	MW-7	6/06/2005		.6	.4	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

VOC Assessment Statistics

Table 1

**Confidence Intervals for Comparing the Mean of the Last
4 Measurements to an Assessment Monitoring Standard**

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend
1,1-dichloroethane	ug/L	MW-23	4	5.550	2.144	1.176	3.028	8.072	140.000	inc
Chlorobenzene	ug/L	MW-23	4	0.500	0.000	1.176	0.500	0.500	100.000	
Chloroethane	ug/L	MW-23	4	11.875	2.809	1.176	8.571	15.179	2800.000	
Cis-1,2-dichloroethylene	ug/L	MW-23	4	0.500	0.000	1.176	0.500	0.500	70.000	
1,1-dichloroethane	ug/L	MW-42	4	2.725	0.670	1.176	1.937	3.513	140.000	inc
Chlorobenzene	ug/L	MW-42	4	2.175	0.618	1.176	1.448	2.902	100.000	
Chloroethane	ug/L	MW-42	4	7.925	2.344	1.176	5.167	10.683	2800.000	
Cis-1,2-dichloroethylene	ug/L	MW-42	4	7.750	2.546	1.176	4.755	10.745	70.000	

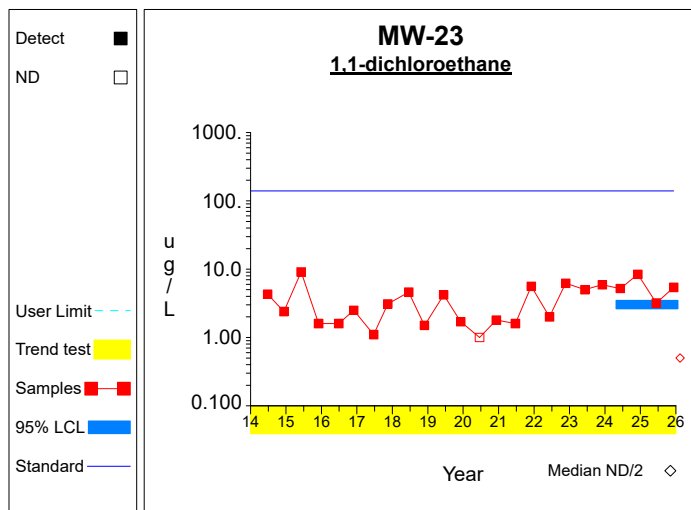
* - Insufficient Data

** - Significant Exceedance

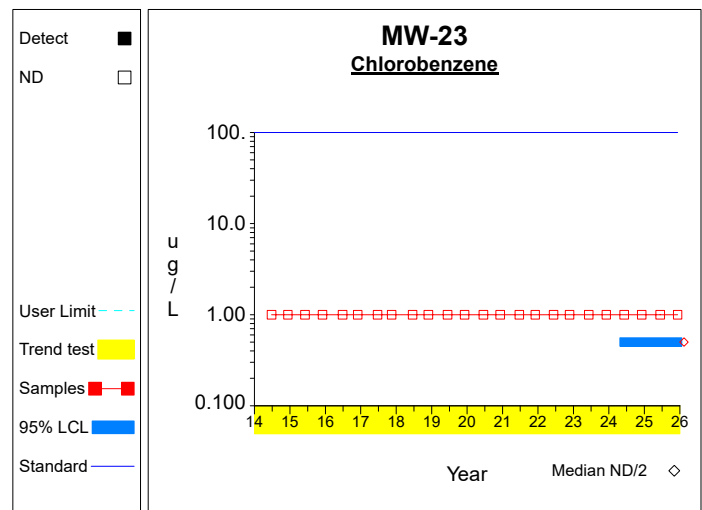
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

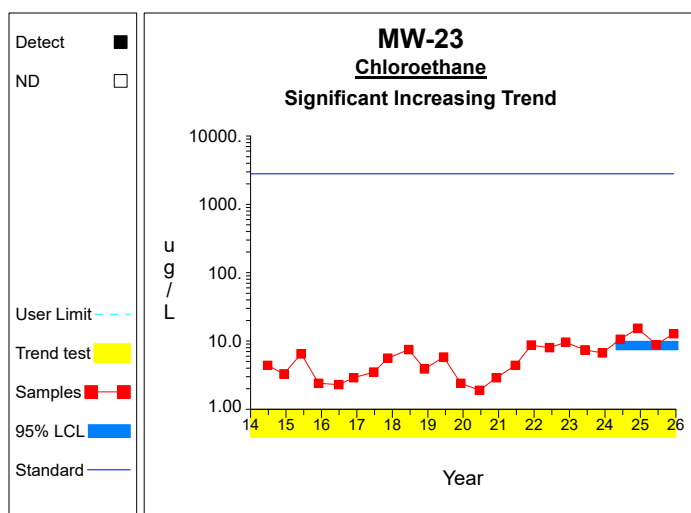
Confidence Limits (Assessment)



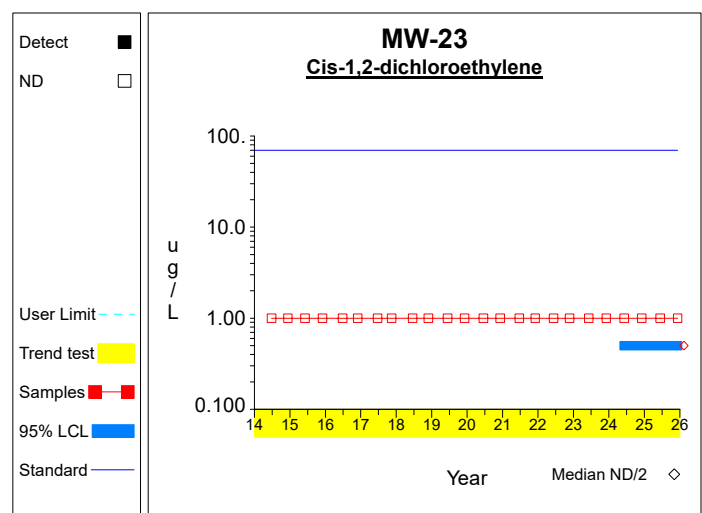
Graph 1



Graph 2

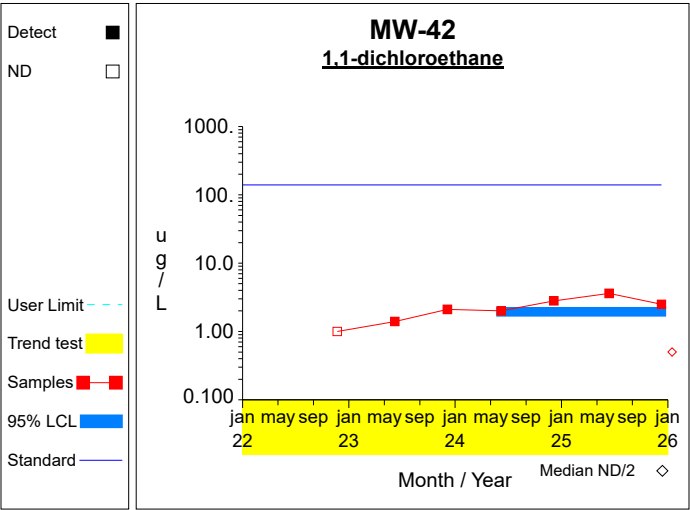


Graph 3

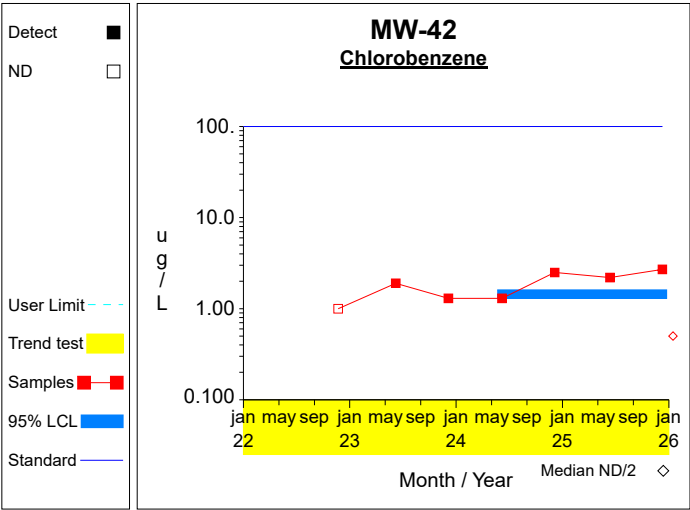


Graph 4

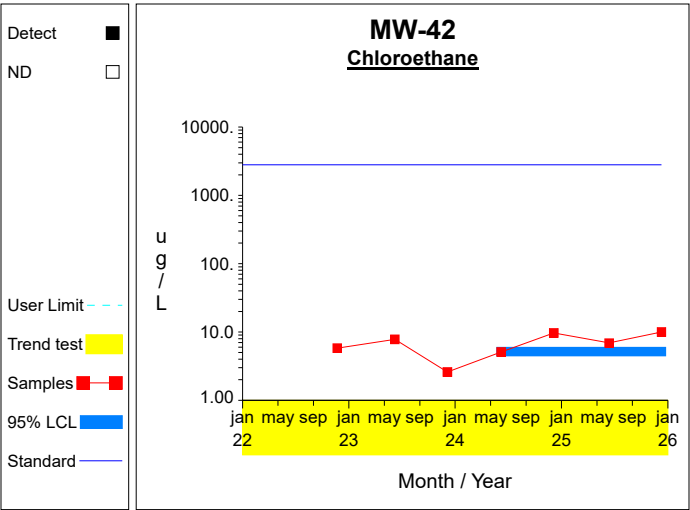
Confidence Limits (Assessment)



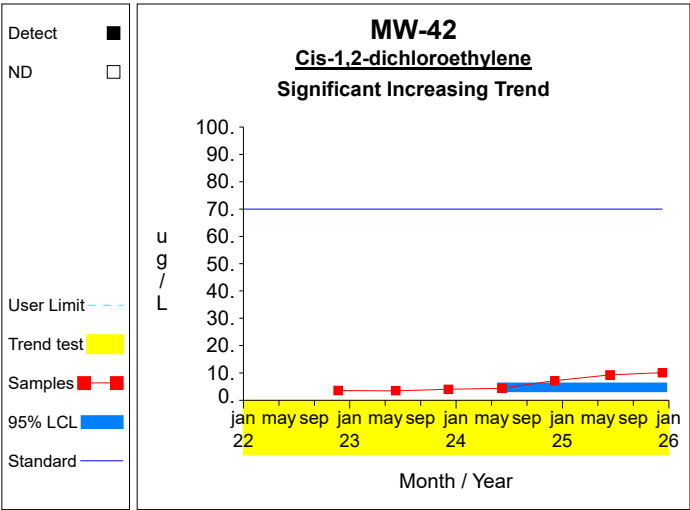
Graph 5



Graph 6



Graph 7



Graph 8

Appendix C

Laboratory Reports for Reporting Period *With Chain of Custody*



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11F1183

Project Description

6005

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Wednesday, July 9, 2025

Please find enclosed the analytical results for the samples you submitted to Microbac Laboratories. Review and compilation of your report was completed by Microbac Laboratories, Inc., Newton. If you have any questions, comments, or require further assistance regarding this report, please contact your service representative listed above.

I certify that all test results meet all of the requirements of the accrediting authority listed within this report. Analytical results are reported on a 'as received' basis unless specified otherwise. Analytical results for solids with units ending in (dry) are reported on a dry weight basis. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of Microbac Laboratories. The reported results are related only to the samples analyzed as received.

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CERTIFICATE OF ANALYSIS

1IF1183

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: 6005

Project / PO Number: N/A
Received: 06/13/2025
Reported: 07/09/2025

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-42	1IF1183-01	Aqueous	GRAB		06/12/25 13:54	06/13/25 10:20
MW-11 (up)	1IF1183-02	Aqueous	GRAB		06/12/25 08:48	06/13/25 10:20
MW-13 (up)	1IF1183-03	Aqueous	GRAB		06/12/25 08:25	06/13/25 10:20
MW-15	1IF1183-04	Aqueous	GRAB		06/12/25 13:10	06/13/25 10:20
MW-16	1IF1183-05	Aqueous	GRAB		06/12/25 13:17	06/13/25 10:20
MW-18	1IF1183-06	Aqueous	GRAB		06/12/25 13:38	06/13/25 10:20
MW-20-2	1IF1183-07	Aqueous	GRAB		06/12/25 09:15	06/13/25 10:20
MW-20-6	1IF1183-08	Aqueous	GRAB		06/12/25 09:25	06/13/25 10:20
MW-22-2	1IF1183-09	Aqueous	GRAB		06/12/25 09:36	06/13/25 10:20
MW-23	1IF1183-10	Aqueous	GRAB		06/12/25 08:59	06/13/25 10:20
MW-27 (up)	1IF1183-11	Aqueous	GRAB		06/12/25 09:58	06/13/25 10:20
MW-28 (up)	1IF1183-12	Aqueous	GRAB		06/12/25 10:13	06/13/25 10:20
MW-30	1IF1183-13	Aqueous	GRAB		06/12/25 11:29	06/13/25 10:20
MW-41	1IF1183-14	Aqueous	GRAB		06/12/25 12:47	06/13/25 10:20
MW-40	1IF1183-15	Aqueous	GRAB		06/12/25 10:30	06/13/25 10:20
Field Duplicate	1IF1183-16	Aqueous	GRAB		06/12/25 00:00	06/13/25 10:20
MW-43	1IF1183-17	Aqueous	GRAB		06/12/25 10:53	06/13/25 10:20
GU-6	1IF1183-18	Aqueous	GRAB		06/12/25 11:05	06/13/25 10:20



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IF1183

Analytical Testing Parameters

Client Sample ID:	MW-42	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	06/12/2025 13:54
Lab Sample ID:	1IF1183-01		

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Vinyl Chloride	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Bromomethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Chloroethane	6.9	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Acetone	<10.0	10.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Methyl Iodide	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Carbon Disulfide	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Methylene Chloride	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Acrylonitrile	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
1,1-Dichloroethane	3.6	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Vinyl Acetate	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
cis-1,2-Dichloroethylene	9.3	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Bromochloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Chloroform	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Benzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Trichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Dibromomethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Bromodichloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Toluene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Dibromochloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Chlorobenzene	2.2	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Ethylbenzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Xylenes, total	<2.0	2.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Styrene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF

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CERTIFICATE OF ANALYSIS

1IF1183

Client Sample ID: MW-42
Sample Matrix: Aqueous
Lab Sample ID: 1IF1183-01

Collected By: Whipple, Todd
Collection Date: 06/12/2025 13:54

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
Bromoform		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
1,2,3-Trichloropropane		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1607	RAF
Surrogate: Dibromofluoromethane	105	Limit: 75-136	% Rec			06/16/25 0000	06/16/25 1607	RAF
Surrogate: Dibromofluoromethane	105	Limit: 57-128	% Rec			06/16/25 0000	06/16/25 1607	RAF
Surrogate: 1,2-Dichloroethane-d4	103	Limit: 61-142	% Rec			06/16/25 0000	06/16/25 1607	RAF
Surrogate: 1,2-Dichloroethane-d4	103	Limit: 49-135	% Rec			06/16/25 0000	06/16/25 1607	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec			06/16/25 0000	06/16/25 1607	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec			06/16/25 0000	06/16/25 1607	RAF
Surrogate: 4-Bromofluorobenzene	90.9	Limit: 80-116	% Rec			06/16/25 0000	06/16/25 1607	RAF
Surrogate: 4-Bromofluorobenzene	90.9	Limit: 77-114	% Rec			06/16/25 0000	06/16/25 1607	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1839	RVV
Arsenic, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1839	RVV
Barium, total	0.449		0.0010	mg/L		06/21/25 1006	06/25/25 1839	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1839	RVV
Cadmium, total	0.0003		0.0002	mg/L		06/21/25 1006	06/25/25 1839	RVV
Chromium, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1839	RVV
Cobalt, total	0.0027		0.0005	mg/L		06/21/25 1006	06/25/25 1839	RVV
Copper, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1839	RVV
Lead, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1839	RVV
Nickel, total	0.0114		0.0050	mg/L		06/21/25 1006	06/25/25 1839	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1839	RVV
Silver, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1839	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1839	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1839	RVV
Zinc, total	0.0118		0.0050	mg/L		06/21/25 1006	06/25/25 1839	RVV

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: MW-11 (up)

Sample Matrix: Aqueous

Lab Sample ID: 11F1183-02

Collected By: Whipple, Todd

Collection Date: 06/12/2025 8:48

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Vinyl Chloride	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Bromomethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Chloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Acetone	<10.0	10.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Methyl Iodide	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Carbon Disulfide	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Methylene Chloride	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Acrylonitrile	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Vinyl Acetate	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Bromochloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Chloroform	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Benzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Trichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Dibromomethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Bromodichloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Toluene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Dibromochloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Chlorobenzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Ethylbenzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Xylenes, total	<2.0	2.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Styrene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Bromoform	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: MW-11 (up)

Sample Matrix: Aqueous

Lab Sample ID: 11F1183-02

Collected By: Whipple, Todd

Collection Date: 06/12/2025 8:48

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1631	RAF
Surrogate: Dibromofluoromethane	96.8	Limit: 75-136	% Rec			06/16/25 0000	06/16/25 1631	RAF
Surrogate: Dibromofluoromethane	96.8	Limit: 57-128	% Rec			06/16/25 0000	06/16/25 1631	RAF
Surrogate: 1,2-Dichloroethane-d4	89.7	Limit: 61-142	% Rec			06/16/25 0000	06/16/25 1631	RAF
Surrogate: 1,2-Dichloroethane-d4	89.7	Limit: 49-135	% Rec			06/16/25 0000	06/16/25 1631	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec			06/16/25 0000	06/16/25 1631	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec			06/16/25 0000	06/16/25 1631	RAF
Surrogate: 4-Bromofluorobenzene	88.7	Limit: 80-116	% Rec			06/16/25 0000	06/16/25 1631	RAF
Surrogate: 4-Bromofluorobenzene	88.7	Limit: 77-114	% Rec			06/16/25 0000	06/16/25 1631	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1849	RVV
Arsenic, total	0.0078	0.0020	mg/L			06/21/25 1006	06/25/25 1849	RVV
Barium, total	0.137	0.0010	mg/L			06/21/25 1006	06/25/25 1849	RVV
Beryllium, total	<0.0005	0.0005	mg/L			06/21/25 1006	06/25/25 1849	RVV
Cadmium, total	0.0002	0.0002	mg/L			06/21/25 1006	06/25/25 1849	RVV
Chromium, total	0.0011	0.0010	mg/L			06/21/25 1006	06/25/25 1849	RVV
Cobalt, total	0.0044	0.0005	mg/L			06/21/25 1006	06/25/25 1849	RVV
Copper, total	<0.0050	0.0050	mg/L			06/21/25 1006	06/25/25 1849	RVV
Lead, total	<0.0010	0.0010	mg/L			06/21/25 1006	06/25/25 1849	RVV
Nickel, total	0.0054	0.0050	mg/L			06/21/25 1006	06/25/25 1849	RVV
Selenium, total	<0.0020	0.0020	mg/L			06/21/25 1006	06/25/25 1849	RVV
Silver, total	<0.0050	0.0050	mg/L			06/21/25 1006	06/25/25 1849	RVV
Thallium, total	<0.0005	0.0005	mg/L			06/21/25 1006	06/25/25 1849	RVV
Vanadium, total	0.0040	0.0020	mg/L			06/21/25 1006	06/25/25 1849	RVV
Zinc, total	0.0180	0.0050	mg/L			06/21/25 1006	06/25/25 1849	RVV

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CERTIFICATE OF ANALYSIS

1IF1183

Client Sample ID: MW-13 (up)

Sample Matrix: Aqueous

Lab Sample ID: 1IF1183-03

Collected By: Whipple, Todd

Collection Date: 06/12/2025 8:25

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Vinyl Chloride	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Bromomethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Chloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Acetone	<10.0	10.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Methyl Iodide	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Carbon Disulfide	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Methylene Chloride	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Acrylonitrile	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Vinyl Acetate	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Bromochloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Chloroform	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Benzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Trichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Dibromomethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Bromodichloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Toluene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Dibromochloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Chlorobenzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Ethylbenzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Xylenes, total	<2.0	2.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Styrene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Bromoform	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: MW-13 (up)

Sample Matrix: Aqueous

Lab Sample ID: 11F1183-03

Collected By: Whipple, Todd

Collection Date: 06/12/2025 8:25

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1655	RAF
Surrogate: Dibromofluoromethane	100	Limit: 75-136	% Rec			06/16/25 0000	06/16/25 1655	RAF
Surrogate: Dibromofluoromethane	100	Limit: 57-128	% Rec			06/16/25 0000	06/16/25 1655	RAF
Surrogate: 1,2-Dichloroethane-d4	93.1	Limit: 61-142	% Rec			06/16/25 0000	06/16/25 1655	RAF
Surrogate: 1,2-Dichloroethane-d4	93.1	Limit: 49-135	% Rec			06/16/25 0000	06/16/25 1655	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec			06/16/25 0000	06/16/25 1655	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec			06/16/25 0000	06/16/25 1655	RAF
Surrogate: 4-Bromofluorobenzene	89.7	Limit: 80-116	% Rec			06/16/25 0000	06/16/25 1655	RAF
Surrogate: 4-Bromofluorobenzene	89.7	Limit: 77-114	% Rec			06/16/25 0000	06/16/25 1655	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1852	RVV
Arsenic, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1852	RVV
Barium, total	0.0887	0.0010	mg/L			06/21/25 1006	06/25/25 1852	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1852	RVV
Cadmium, total	0.0004	0.0002	mg/L			06/21/25 1006	06/25/25 1852	RVV
Chromium, total	0.0010	0.0010	mg/L			06/21/25 1006	06/25/25 1852	RVV
Cobalt, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1852	RVV
Copper, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1852	RVV
Lead, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1852	RVV
Nickel, total	0.0102	0.0050	mg/L			06/21/25 1006	06/25/25 1852	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1852	RVV
Silver, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1852	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1852	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1852	RVV
Zinc, total	0.0134	0.0050	mg/L			06/21/25 1006	06/25/25 1852	RVV

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CERTIFICATE OF ANALYSIS

1IF1183

Client Sample ID: MW-15
Sample Matrix: Aqueous
Lab Sample ID: 1IF1183-04

Collected By: Whipple, Todd
Collection Date: 06/12/2025 13:10

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Vinyl Chloride	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Bromomethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Chloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Acetone	<10.0	10.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Methyl Iodide	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Carbon Disulfide	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Methylene Chloride	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Acrylonitrile	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Vinyl Acetate	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Bromochloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Chloroform	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Benzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Trichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Dibromomethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Bromodichloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Toluene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Dibromochloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Chlorobenzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Ethylbenzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Xylenes, total	<2.0	2.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Styrene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Bromoform	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: MW-15
Sample Matrix: Aqueous
Lab Sample ID: 11F1183-04

Collected By: Whipple, Todd
Collection Date: 06/12/2025 13:10

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1720	RAF
Surrogate: Dibromofluoromethane	97.4	Limit: 75-136	% Rec			06/16/25 0000	06/16/25 1720	RAF
Surrogate: Dibromofluoromethane	97.4	Limit: 57-128	% Rec			06/16/25 0000	06/16/25 1720	RAF
Surrogate: 1,2-Dichloroethane-d4	89.7	Limit: 49-135	% Rec			06/16/25 0000	06/16/25 1720	RAF
Surrogate: 1,2-Dichloroethane-d4	89.7	Limit: 61-142	% Rec			06/16/25 0000	06/16/25 1720	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec			06/16/25 0000	06/16/25 1720	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec			06/16/25 0000	06/16/25 1720	RAF
Surrogate: 4-Bromofluorobenzene	90.4	Limit: 77-114	% Rec			06/16/25 0000	06/16/25 1720	RAF
Surrogate: 4-Bromofluorobenzene	90.4	Limit: 80-116	% Rec			06/16/25 0000	06/16/25 1720	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1854	RVV
Arsenic, total	0.0054	0.0020	mg/L			06/21/25 1006	06/25/25 1854	RVV
Barium, total	0.0434	0.0010	mg/L			06/21/25 1006	06/25/25 1854	RVV
Beryllium, total	<0.0005	0.0005	mg/L			06/21/25 1006	06/25/25 1854	RVV
Cadmium, total	0.0011	0.0002	mg/L			06/21/25 1006	06/25/25 1854	RVV
Chromium, total	<0.0010	0.0010	mg/L			06/21/25 1006	06/25/25 1854	RVV
Cobalt, total	0.0592	0.0005	mg/L			06/21/25 1006	06/25/25 1854	RVV
Copper, total	<0.0050	0.0050	mg/L			06/21/25 1006	06/25/25 1854	RVV
Lead, total	<0.0010	0.0010	mg/L			06/21/25 1006	06/25/25 1854	RVV
Nickel, total	0.0136	0.0050	mg/L			06/21/25 1006	06/25/25 1854	RVV
Selenium, total	<0.0020	0.0020	mg/L			06/21/25 1006	06/25/25 1854	RVV
Silver, total	<0.0050	0.0050	mg/L			06/21/25 1006	06/25/25 1854	RVV
Thallium, total	<0.0005	0.0005	mg/L			06/21/25 1006	06/25/25 1854	RVV
Vanadium, total	<0.0020	0.0020	mg/L			06/21/25 1006	06/25/25 1854	RVV
Zinc, total	0.0174	0.0050	mg/L			06/21/25 1006	06/25/25 1854	RVV

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: MW-16
Sample Matrix: Aqueous
Lab Sample ID: 11F1183-05

Collected By: Whipple, Todd
Collection Date: 06/12/2025 13:17

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Vinyl Chloride	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Bromomethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Chloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Acetone	<10.0	10.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Methyl Iodide	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Carbon Disulfide	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Methylene Chloride	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Acrylonitrile	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Vinyl Acetate	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Bromochloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Chloroform	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Benzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Trichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Dibromomethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Bromodichloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Toluene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Dibromochloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Chlorobenzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Ethylbenzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Xylenes, total	<2.0	2.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Styrene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Bromoform	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: MW-16
Sample Matrix: Aqueous
Lab Sample ID: 11F1183-05

Collected By: Whipple, Todd
Collection Date: 06/12/2025 13:17

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1744	RAF
Surrogate: Dibromofluoromethane	99.3	Limit: 57-128	% Rec			06/16/25 0000	06/16/25 1744	RAF
Surrogate: Dibromofluoromethane	99.3	Limit: 75-136	% Rec			06/16/25 0000	06/16/25 1744	RAF
Surrogate: 1,2-Dichloroethane-d4	91.6	Limit: 49-135	% Rec			06/16/25 0000	06/16/25 1744	RAF
Surrogate: 1,2-Dichloroethane-d4	91.6	Limit: 61-142	% Rec			06/16/25 0000	06/16/25 1744	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec			06/16/25 0000	06/16/25 1744	RAF
Surrogate: Toluene-d8	101	Limit: 82-116	% Rec			06/16/25 0000	06/16/25 1744	RAF
Surrogate: 4-Bromofluorobenzene	88.9	Limit: 77-114	% Rec			06/16/25 0000	06/16/25 1744	RAF
Surrogate: 4-Bromofluorobenzene	88.9	Limit: 80-116	% Rec			06/16/25 0000	06/16/25 1744	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1857	RVV
Arsenic, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1857	RVV
Barium, total	0.0344	0.0010	mg/L			06/21/25 1006	06/25/25 1857	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1857	RVV
Cadmium, total	0.0010	0.0002	mg/L			06/21/25 1006	06/25/25 1857	RVV
Chromium, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1857	RVV
Cobalt, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1857	RVV
Copper, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1857	RVV
Lead, total		<0.0010	0.0010	mg/L		07/02/25 1607	07/03/25 1744	RVV
Nickel, total	0.0066	0.0050	mg/L			06/21/25 1006	06/25/25 1857	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1857	RVV
Silver, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1857	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1857	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1857	RVV
Zinc, total	0.0165	0.0050	mg/L			06/21/25 1006	06/25/25 1857	RVV

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: MW-18
Sample Matrix: Aqueous
Lab Sample ID: 11F1183-06

Collected By: Whipple, Todd
Collection Date: 06/12/2025 13:38

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Vinyl Chloride	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Bromomethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Chloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Acetone	<10.0	10.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Methyl Iodide	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Carbon Disulfide	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Methylene Chloride	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Acrylonitrile	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Vinyl Acetate	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Bromochloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Chloroform	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Benzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Trichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Dibromomethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Bromodichloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Toluene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Dibromochloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Chlorobenzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Ethylbenzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Xylenes, total	<2.0	2.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Styrene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Bromoform	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF

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CERTIFICATE OF ANALYSIS

1IF1183

Client Sample ID: MW-18
Sample Matrix: Aqueous
Lab Sample ID: 1IF1183-06

Collected By: Whipple, Todd
Collection Date: 06/12/2025 13:38

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1808	RAF
Surrogate: Dibromofluoromethane	96.8	Limit: 57-128	% Rec			06/16/25 0000	06/16/25 1808	RAF
Surrogate: Dibromofluoromethane	96.8	Limit: 75-136	% Rec			06/16/25 0000	06/16/25 1808	RAF
Surrogate: 1,2-Dichloroethane-d4	89.8	Limit: 61-142	% Rec			06/16/25 0000	06/16/25 1808	RAF
Surrogate: 1,2-Dichloroethane-d4	89.8	Limit: 49-135	% Rec			06/16/25 0000	06/16/25 1808	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec			06/16/25 0000	06/16/25 1808	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec			06/16/25 0000	06/16/25 1808	RAF
Surrogate: 4-Bromofluorobenzene	89.1	Limit: 77-114	% Rec			06/16/25 0000	06/16/25 1808	RAF
Surrogate: 4-Bromofluorobenzene	89.1	Limit: 80-116	% Rec			06/16/25 0000	06/16/25 1808	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1859	RVV
Arsenic, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1859	RVV
Barium, total	0.270		0.0010	mg/L		06/21/25 1006	06/25/25 1859	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1859	RVV
Cadmium, total		<0.0002	0.0002	mg/L		06/21/25 1006	06/25/25 1859	RVV
Chromium, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1859	RVV
Cobalt, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1859	RVV
Copper, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1859	RVV
Lead, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1859	RVV
Nickel, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1859	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1859	RVV
Silver, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1859	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1859	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1859	RVV
Zinc, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1859	RVV

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: MW-20-2
Sample Matrix: Aqueous
Lab Sample ID: 11F1183-07

Collected By: Whipple, Todd
Collection Date: 06/12/2025 9:15

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Vinyl Chloride	2.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Bromomethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Chloroethane	34.7	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Acetone	<10.0	10.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Methyl Iodide	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Carbon Disulfide	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Methylene Chloride	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Acrylonitrile	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
trans-1,2-Dichloroethylene	2.1	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
1,1-Dichloroethane	166	5.0	ug/L		06/18/25 0000	06/18/25 1609	RAF
Vinyl Acetate	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
cis-1,2-Dichloroethylene	26.8	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Bromochloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Chloroform	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Benzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Trichloroethylene	1.9	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Dibromomethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Bromodichloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Toluene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Tetrachloroethylene	2.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Dibromochloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Chlorobenzene	3.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Ethylbenzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Xylenes, total	<2.0	2.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Styrene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Bromoform	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF

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CERTIFICATE OF ANALYSIS

1IF1183

Client Sample ID: MW-20-2
Sample Matrix: Aqueous
Lab Sample ID: 1IF1183-07

Collected By: Whipple, Todd
Collection Date: 06/12/2025 9:15

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
1,4-Dichlorobenzene	1.3		1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1832	RAF
Surrogate: Dibromofluoromethane	91.9	Limit: 75-136	% Rec			06/18/25 0000	06/18/25 1609	RAF
Surrogate: Dibromofluoromethane	101	Limit: 57-128	% Rec			06/16/25 0000	06/16/25 1832	RAF
Surrogate: Dibromofluoromethane	101	Limit: 75-136	% Rec			06/16/25 0000	06/16/25 1832	RAF
Surrogate: 1,2-Dichloroethane-d4	87.8	Limit: 61-142	% Rec			06/18/25 0000	06/18/25 1609	RAF
Surrogate: 1,2-Dichloroethane-d4	96.1	Limit: 49-135	% Rec			06/16/25 0000	06/16/25 1832	RAF
Surrogate: 1,2-Dichloroethane-d4	96.1	Limit: 61-142	% Rec			06/16/25 0000	06/16/25 1832	RAF
Surrogate: Toluene-d8	101	Limit: 82-116	% Rec			06/16/25 0000	06/16/25 1832	RAF
Surrogate: Toluene-d8	99.7	Limit: 82-121	% Rec			06/18/25 0000	06/18/25 1609	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec			06/16/25 0000	06/16/25 1832	RAF
Surrogate: 4-Bromofluorobenzene	88.0	Limit: 80-116	% Rec			06/18/25 0000	06/18/25 1609	RAF
Surrogate: 4-Bromofluorobenzene	89.5	Limit: 77-114	% Rec			06/16/25 0000	06/16/25 1832	RAF
Surrogate: 4-Bromofluorobenzene	89.5	Limit: 80-116	% Rec			06/16/25 0000	06/16/25 1832	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1902	RVV
Arsenic, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1902	RVV
Barium, total	0.174		0.0010	mg/L		06/21/25 1006	06/25/25 1902	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1902	RVV
Cadmium, total	0.0002		0.0002	mg/L		06/21/25 1006	06/25/25 1902	RVV
Chromium, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1902	RVV
Cobalt, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1902	RVV
Copper, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1902	RVV
Lead, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1902	RVV
Nickel, total	0.0065		0.0050	mg/L		06/21/25 1006	06/25/25 1902	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1902	RVV
Silver, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1902	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1902	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1902	RVV
Zinc, total	0.0082		0.0050	mg/L		06/21/25 1006	06/25/25 1902	RVV

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: MW-20-6
Sample Matrix: Aqueous
Lab Sample ID: 11F1183-08

Collected By: Whipple, Todd
Collection Date: 06/12/2025 9:25

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Vinyl Chloride	3.2	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Bromomethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Chloroethane	23.9	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Trichlorofluoromethane	13.5	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Acetone	<10.0	10.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Methyl Iodide	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Carbon Disulfide	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Methylene Chloride	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Acrylonitrile	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
1,1-Dichloroethane	235	5.0	ug/L		06/18/25 0000	06/18/25 1633	RAF
Vinyl Acetate	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
cis-1,2-Dichloroethylene	56.8	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Bromochloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Chloroform	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Benzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
1,2-Dichloroethane	2.3	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Trichloroethylene	10.9	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
1,2-Dichloropropane	1.5	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Dibromomethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Bromodichloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Toluene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Tetrachloroethylene	7.6	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Dibromochloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Chlorobenzene	2.9	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Ethylbenzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Xylenes, total	<2.0	2.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Styrene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Bromoform	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: MW-20-6
Sample Matrix: Aqueous
Lab Sample ID: 11F1183-08

Collected By: Whipple, Todd
Collection Date: 06/12/2025 9:25

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1857	RAF
Surrogate: Dibromofluoromethane	103	Limit: 57-128	% Rec			06/16/25 0000	06/16/25 1857	RAF
Surrogate: Dibromofluoromethane	89.9	Limit: 75-136	% Rec			06/18/25 0000	06/18/25 1633	RAF
Surrogate: Dibromofluoromethane	103	Limit: 75-136	% Rec			06/16/25 0000	06/16/25 1857	RAF
Surrogate: 1,2-Dichloroethane-d4	96.9	Limit: 49-135	% Rec			06/16/25 0000	06/16/25 1857	RAF
Surrogate: 1,2-Dichloroethane-d4	96.9	Limit: 61-142	% Rec			06/16/25 0000	06/16/25 1857	RAF
Surrogate: 1,2-Dichloroethane-d4	85.8	Limit: 61-142	% Rec			06/18/25 0000	06/18/25 1633	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec			06/18/25 0000	06/18/25 1633	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec			06/16/25 0000	06/16/25 1857	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec			06/16/25 0000	06/16/25 1857	RAF
Surrogate: 4-Bromofluorobenzene	88.6	Limit: 80-116	% Rec			06/16/25 0000	06/16/25 1857	RAF
Surrogate: 4-Bromofluorobenzene	89.2	Limit: 80-116	% Rec			06/18/25 0000	06/18/25 1633	RAF
Surrogate: 4-Bromofluorobenzene	88.6	Limit: 77-114	% Rec			06/16/25 0000	06/16/25 1857	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1909	RVV
Arsenic, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1909	RVV
Barium, total	0.309		0.0010	mg/L		06/21/25 1006	06/25/25 1909	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1909	RVV
Cadmium, total	0.0005		0.0002	mg/L		06/21/25 1006	06/25/25 1909	RVV
Chromium, total	0.0010		0.0010	mg/L		06/21/25 1006	06/25/25 1909	RVV
Cobalt, total	0.0007		0.0005	mg/L		06/21/25 1006	06/25/25 1909	RVV
Copper, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1909	RVV
Lead, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1909	RVV
Nickel, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1909	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1909	RVV
Silver, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1909	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1909	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1909	RVV
Zinc, total	0.0095		0.0050	mg/L		06/21/25 1006	06/25/25 1909	RVV

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: MW-22-2
Sample Matrix: Aqueous
Lab Sample ID: 11F1183-09

Collected By: Whipple, Todd
Collection Date: 06/12/2025 9:36

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
Vinyl Chloride	16.1	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
Bromomethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
Chloroethane	109	5.0	ug/L		06/18/25 0000	06/18/25 1657	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
Acetone	<10.0	10.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
Methyl Iodide	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
Carbon Disulfide	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
Methylene Chloride	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
Acrylonitrile	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
trans-1,2-Dichloroethylene	3.6	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
1,1-Dichloroethane	175	5.0	ug/L		06/18/25 0000	06/18/25 1657	RAF
Vinyl Acetate	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
cis-1,2-Dichloroethylene	109	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
Bromochloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
Chloroform	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
Benzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
1,2-Dichloroethane	2.9	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
Trichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
Dibromomethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
Bromodichloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
Toluene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
Dibromochloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
Chlorobenzene	8.9	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
Ethylbenzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
Xylenes, total	<2.0	2.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
Styrene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
Bromoform	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: MW-22-2
Sample Matrix: Aqueous
Lab Sample ID: 11F1183-09

Collected By: Whipple, Todd
Collection Date: 06/12/2025 9:36

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
1,4-Dichlorobenzene	2.6		1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1921	RAF
Surrogate: Dibromofluoromethane	92.8	Limit: 75-136	% Rec			06/18/25 0000	06/18/25 1657	RAF
Surrogate: Dibromofluoromethane	100	Limit: 57-128	% Rec			06/16/25 0000	06/16/25 1921	RAF
Surrogate: Dibromofluoromethane	100	Limit: 75-136	% Rec			06/16/25 0000	06/16/25 1921	RAF
Surrogate: 1,2-Dichloroethane-d4	95.0	Limit: 49-135	% Rec			06/16/25 0000	06/16/25 1921	RAF
Surrogate: 1,2-Dichloroethane-d4	85.3	Limit: 61-142	% Rec			06/18/25 0000	06/18/25 1657	RAF
Surrogate: 1,2-Dichloroethane-d4	95.0	Limit: 61-142	% Rec			06/16/25 0000	06/16/25 1921	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec			06/16/25 0000	06/16/25 1921	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec			06/18/25 0000	06/18/25 1657	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec			06/16/25 0000	06/16/25 1921	RAF
Surrogate: 4-Bromofluorobenzene	90.2	Limit: 80-116	% Rec			06/18/25 0000	06/18/25 1657	RAF
Surrogate: 4-Bromofluorobenzene	87.9	Limit: 77-114	% Rec			06/16/25 0000	06/16/25 1921	RAF
Surrogate: 4-Bromofluorobenzene	87.9	Limit: 80-116	% Rec			06/16/25 0000	06/16/25 1921	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1912	RVV
Arsenic, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1912	RVV
Barium, total	0.288		0.0010	mg/L		06/21/25 1006	06/25/25 1912	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1912	RVV
Cadmium, total	0.0002		0.0002	mg/L		06/21/25 1006	06/25/25 1912	RVV
Chromium, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1912	RVV
Cobalt, total	0.0015		0.0005	mg/L		06/21/25 1006	06/25/25 1912	RVV
Copper, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1912	RVV
Lead, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1912	RVV
Nickel, total	0.0187		0.0050	mg/L		06/21/25 1006	06/25/25 1912	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1912	RVV
Silver, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1912	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1912	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1912	RVV
Zinc, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1912	RVV

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: MW-23
Sample Matrix: Aqueous
Lab Sample ID: 11F1183-10

Collected By: Whipple, Todd
Collection Date: 06/12/2025 8:59

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Vinyl Chloride	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Bromomethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Chloroethane	8.8	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Acetone	<10.0	10.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Methyl Iodide	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Carbon Disulfide	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Methylene Chloride	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Acrylonitrile	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
1,1-Dichloroethane	3.2	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Vinyl Acetate	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Bromochloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Chloroform	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Benzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Trichloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Dibromomethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Bromodichloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Toluene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Dibromochloromethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Chlorobenzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Ethylbenzene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Xylenes, total	<2.0	2.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Styrene	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Bromoform	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: MW-23
Sample Matrix: Aqueous
Lab Sample ID: 11F1183-10

Collected By: Whipple, Todd
Collection Date: 06/12/2025 8:59

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		06/16/25 0000	06/16/25 1945	RAF
Surrogate: Dibromofluoromethane	95.8	Limit: 57-128	% Rec			06/16/25 0000	06/16/25 1945	RAF
Surrogate: Dibromofluoromethane	95.8	Limit: 75-136	% Rec			06/16/25 0000	06/16/25 1945	RAF
Surrogate: 1,2-Dichloroethane-d4	87.0	Limit: 61-142	% Rec			06/16/25 0000	06/16/25 1945	RAF
Surrogate: 1,2-Dichloroethane-d4	87.0	Limit: 49-135	% Rec			06/16/25 0000	06/16/25 1945	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec			06/16/25 0000	06/16/25 1945	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec			06/16/25 0000	06/16/25 1945	RAF
Surrogate: 4-Bromofluorobenzene	87.5	Limit: 80-116	% Rec			06/16/25 0000	06/16/25 1945	RAF
Surrogate: 4-Bromofluorobenzene	87.5	Limit: 77-114	% Rec			06/16/25 0000	06/16/25 1945	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1914	RVV
Arsenic, total	0.0150		0.0020	mg/L		06/21/25 1006	06/25/25 1914	RVV
Barium, total	0.204		0.0010	mg/L		06/21/25 1006	06/25/25 1914	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1914	RVV
Cadmium, total	0.0003		0.0002	mg/L		06/21/25 1006	06/25/25 1914	RVV
Chromium, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1914	RVV
Cobalt, total	0.0015		0.0005	mg/L		06/21/25 1006	06/25/25 1914	RVV
Copper, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1914	RVV
Lead, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1914	RVV
Nickel, total	0.0196		0.0050	mg/L		06/21/25 1006	06/25/25 1914	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1914	RVV
Silver, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1914	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1914	RVV
Vanadium, total	0.0020		0.0020	mg/L		06/21/25 1006	06/25/25 1914	RVV
Zinc, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1914	RVV

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: MW-27 (up)

Sample Matrix: Aqueous

Lab Sample ID: 11F1183-11

Collected By: Whipple, Todd

Collection Date: 06/12/2025 9:58

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Vinyl Chloride	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Bromomethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Chloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Acetone	<10.0	10.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Methyl Iodide	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Carbon Disulfide	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Methylene Chloride	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Acrylonitrile	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Vinyl Acetate	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Bromochloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Chloroform	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Benzene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Trichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Dibromomethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Bromodichloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Toluene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Dibromochloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Chlorobenzene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Ethylbenzene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Xylenes, total	<2.0	2.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Styrene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Bromoform	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: MW-27 (up)

Sample Matrix: Aqueous

Lab Sample ID: 11F1183-11

Collected By: Whipple, Todd

Collection Date: 06/12/2025 9:58

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1237	RAF
Surrogate: Dibromofluoromethane	86.2	Limit: 75-136	% Rec			06/17/25 0000	06/17/25 1237	RAF
Surrogate: Dibromofluoromethane	86.2	Limit: 57-128	% Rec			06/17/25 0000	06/17/25 1237	RAF
Surrogate: 1,2-Dichloroethane-d4	77.8	Limit: 61-142	% Rec			06/17/25 0000	06/17/25 1237	RAF
Surrogate: 1,2-Dichloroethane-d4	77.8	Limit: 49-135	% Rec			06/17/25 0000	06/17/25 1237	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec			06/17/25 0000	06/17/25 1237	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec			06/17/25 0000	06/17/25 1237	RAF
Surrogate: 4-Bromofluorobenzene	88.5	Limit: 80-116	% Rec			06/17/25 0000	06/17/25 1237	RAF
Surrogate: 4-Bromofluorobenzene	88.5	Limit: 77-114	% Rec			06/17/25 0000	06/17/25 1237	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1917	RVV
Arsenic, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1917	RVV
Barium, total	0.585		0.0010	mg/L		06/21/25 1006	06/25/25 1917	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1917	RVV
Cadmium, total	0.0004		0.0002	mg/L		06/21/25 1006	06/25/25 1917	RVV
Chromium, total	0.0012		0.0010	mg/L		06/21/25 1006	06/25/25 1917	RVV
Cobalt, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1917	RVV
Copper, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1917	RVV
Lead, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1917	RVV
Nickel, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1917	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1917	RVV
Silver, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1917	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1917	RVV
Vanadium, total	0.0037		0.0020	mg/L		06/21/25 1006	06/25/25 1917	RVV
Zinc, total	0.0230		0.0050	mg/L		06/21/25 1006	06/25/25 1917	RVV

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: MW-28 (up)

Sample Matrix: Aqueous

Lab Sample ID: 11F1183-12

Collected By: Whipple, Todd

Collection Date: 06/12/2025 10:13

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Vinyl Chloride	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Bromomethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Chloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Acetone	<10.0	10.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Methyl Iodide	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Carbon Disulfide	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Methylene Chloride	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Acrylonitrile	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Vinyl Acetate	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Bromochloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Chloroform	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Benzene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Trichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Dibromomethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Bromodichloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Toluene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Dibromochloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Chlorobenzene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Ethylbenzene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Xylenes, total	<2.0	2.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Styrene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Bromoform	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: MW-28 (up)

Sample Matrix: Aqueous

Lab Sample ID: 11F1183-12

Collected By: Whipple, Todd

Collection Date: 06/12/2025 10:13

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1302	RAF
Surrogate: Dibromofluoromethane	87.9	Limit: 57-128	% Rec			06/17/25 0000	06/17/25 1302	RAF
Surrogate: Dibromofluoromethane	87.9	Limit: 75-136	% Rec			06/17/25 0000	06/17/25 1302	RAF
Surrogate: 1,2-Dichloroethane-d4	80.4	Limit: 49-135	% Rec			06/17/25 0000	06/17/25 1302	RAF
Surrogate: 1,2-Dichloroethane-d4	80.4	Limit: 61-142	% Rec			06/17/25 0000	06/17/25 1302	RAF
Surrogate: Toluene-d8	101	Limit: 82-116	% Rec			06/17/25 0000	06/17/25 1302	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec			06/17/25 0000	06/17/25 1302	RAF
Surrogate: 4-Bromofluorobenzene	87.9	Limit: 77-114	% Rec			06/17/25 0000	06/17/25 1302	RAF
Surrogate: 4-Bromofluorobenzene	87.9	Limit: 80-116	% Rec			06/17/25 0000	06/17/25 1302	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1919	RVV
Arsenic, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1919	RVV
Barium, total	0.115	0.0010	mg/L			06/21/25 1006	06/25/25 1919	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1919	RVV
Cadmium, total	0.0002	0.0002	mg/L			06/21/25 1006	06/25/25 1919	RVV
Chromium, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1919	RVV
Cobalt, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1919	RVV
Copper, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1919	RVV
Lead, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1919	RVV
Nickel, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1919	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1919	RVV
Silver, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1919	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1919	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1919	RVV
Zinc, total	0.0115	0.0050	mg/L			06/21/25 1006	06/25/25 1919	RVV

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CERTIFICATE OF ANALYSIS

1IF1183

Client Sample ID: MW-30
Sample Matrix: Aqueous
Lab Sample ID: 1IF1183-13

Collected By: Whipple, Todd
Collection Date: 06/12/2025 11:29

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Vinyl Chloride	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Bromomethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Chloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Acetone	<10.0	10.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Methyl Iodide	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Carbon Disulfide	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Methylene Chloride	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Acrylonitrile	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Vinyl Acetate	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Bromochloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Chloroform	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Benzene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Trichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Dibromomethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Bromodichloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Toluene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Dibromochloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Chlorobenzene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Ethylbenzene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Xylenes, total	<2.0	2.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Styrene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Bromoform	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: MW-30
Sample Matrix: Aqueous
Lab Sample ID: 11F1183-13

Collected By: Whipple, Todd
Collection Date: 06/12/2025 11:29

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1326	RAF
Surrogate: Dibromofluoromethane	87.9	Limit: 57-128	% Rec			06/17/25 0000	06/17/25 1326	RAF
Surrogate: Dibromofluoromethane	87.9	Limit: 75-136	% Rec			06/17/25 0000	06/17/25 1326	RAF
Surrogate: 1,2-Dichloroethane-d4	81.6	Limit: 49-135	% Rec			06/17/25 0000	06/17/25 1326	RAF
Surrogate: 1,2-Dichloroethane-d4	81.6	Limit: 61-142	% Rec			06/17/25 0000	06/17/25 1326	RAF
Surrogate: Toluene-d8	100	Limit: 82-116	% Rec			06/17/25 0000	06/17/25 1326	RAF
Surrogate: Toluene-d8	100	Limit: 82-121	% Rec			06/17/25 0000	06/17/25 1326	RAF
Surrogate: 4-Bromofluorobenzene	87.4	Limit: 77-114	% Rec			06/17/25 0000	06/17/25 1326	RAF
Surrogate: 4-Bromofluorobenzene	87.4	Limit: 80-116	% Rec			06/17/25 0000	06/17/25 1326	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1922	RVV
Arsenic, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1922	RVV
Barium, total	0.0256	0.0010	mg/L			06/21/25 1006	06/25/25 1922	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1922	RVV
Cadmium, total	0.0058	0.0002	mg/L			06/21/25 1006	06/25/25 1922	RVV
Chromium, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1922	RVV
Cobalt, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1922	RVV
Copper, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1922	RVV
Lead, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1922	RVV
Nickel, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1922	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1922	RVV
Silver, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1922	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1922	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1922	RVV
Zinc, total	0.0110	0.0050	mg/L			06/21/25 1006	06/25/25 1922	RVV

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: MW-41
Sample Matrix: Aqueous
Lab Sample ID: 11F1183-14

Collected By: Whipple, Todd
Collection Date: 06/12/2025 12:47

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Vinyl Chloride	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Bromomethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Chloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Acetone	<10.0	10.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Methyl Iodide	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Carbon Disulfide	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Methylene Chloride	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Acrylonitrile	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Vinyl Acetate	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Bromochloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Chloroform	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Benzene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Trichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Dibromomethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Bromodichloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Toluene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Dibromochloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Chlorobenzene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Ethylbenzene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Xylenes, total	<2.0	2.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Styrene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Bromoform	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: MW-41
Sample Matrix: Aqueous
Lab Sample ID: 11F1183-14

Collected By: Whipple, Todd
Collection Date: 06/12/2025 12:47

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1350	RAF
Surrogate: Dibromofluoromethane	88.3	Limit: 75-136	% Rec			06/17/25 0000	06/17/25 1350	RAF
Surrogate: Dibromofluoromethane	88.3	Limit: 57-128	% Rec			06/17/25 0000	06/17/25 1350	RAF
Surrogate: 1,2-Dichloroethane-d4	80.6	Limit: 49-135	% Rec			06/17/25 0000	06/17/25 1350	RAF
Surrogate: 1,2-Dichloroethane-d4	80.6	Limit: 61-142	% Rec			06/17/25 0000	06/17/25 1350	RAF
Surrogate: Toluene-d8	101	Limit: 82-116	% Rec			06/17/25 0000	06/17/25 1350	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec			06/17/25 0000	06/17/25 1350	RAF
Surrogate: 4-Bromofluorobenzene	88.4	Limit: 77-114	% Rec			06/17/25 0000	06/17/25 1350	RAF
Surrogate: 4-Bromofluorobenzene	88.4	Limit: 80-116	% Rec			06/17/25 0000	06/17/25 1350	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1925	RVV
Arsenic, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1925	RVV
Barium, total	0.0577		0.0010	mg/L		06/21/25 1006	06/25/25 1925	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1925	RVV
Cadmium, total	0.0005		0.0002	mg/L		06/21/25 1006	06/25/25 1925	RVV
Chromium, total	0.0070		0.0010	mg/L		06/21/25 1006	06/25/25 1925	RVV
Cobalt, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1925	RVV
Copper, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1925	RVV
Lead, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1925	RVV
Nickel, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1925	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1925	RVV
Silver, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1925	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1925	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1925	RVV
Zinc, total	0.0120		0.0050	mg/L		06/21/25 1006	06/25/25 1925	RVV

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: MW-40
Sample Matrix: Aqueous
Lab Sample ID: 11F1183-15

Collected By: Whipple, Todd
Collection Date: 06/12/2025 10:30

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Vinyl Chloride	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Bromomethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Chloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Acetone	<10.0	10.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Methyl Iodide	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Carbon Disulfide	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Methylene Chloride	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Acrylonitrile	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Vinyl Acetate	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Bromochloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Chloroform	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Benzene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Trichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Dibromomethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Bromodichloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Toluene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Dibromochloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Chlorobenzene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Ethylbenzene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Xylenes, total	<2.0	2.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Styrene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Bromoform	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: MW-40
Sample Matrix: Aqueous
Lab Sample ID: 11F1183-15

Collected By: Whipple, Todd
Collection Date: 06/12/2025 10:30

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1414	RAF
Surrogate: Dibromofluoromethane	86.3	Limit: 57-128	% Rec			06/17/25 0000	06/17/25 1414	RAF
Surrogate: Dibromofluoromethane	86.3	Limit: 75-136	% Rec			06/17/25 0000	06/17/25 1414	RAF
Surrogate: 1,2-Dichloroethane-d4	77.2	Limit: 49-135	% Rec			06/17/25 0000	06/17/25 1414	RAF
Surrogate: 1,2-Dichloroethane-d4	77.2	Limit: 61-142	% Rec			06/17/25 0000	06/17/25 1414	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec			06/17/25 0000	06/17/25 1414	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec			06/17/25 0000	06/17/25 1414	RAF
Surrogate: 4-Bromofluorobenzene	87.1	Limit: 77-114	% Rec			06/17/25 0000	06/17/25 1414	RAF
Surrogate: 4-Bromofluorobenzene	87.1	Limit: 80-116	% Rec			06/17/25 0000	06/17/25 1414	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1927	RVV
Arsenic, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1927	RVV
Barium, total	0.0357		0.0010	mg/L		06/21/25 1006	06/25/25 1927	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1927	RVV
Cadmium, total	0.0005		0.0002	mg/L		06/21/25 1006	06/25/25 1927	RVV
Chromium, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1927	RVV
Cobalt, total	0.0009		0.0005	mg/L		06/21/25 1006	06/25/25 1927	RVV
Copper, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1927	RVV
Lead, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1927	RVV
Nickel, total	0.0059		0.0050	mg/L		06/21/25 1006	06/25/25 1927	RVV
Selenium, total	0.0020		0.0020	mg/L		06/21/25 1006	06/25/25 1927	RVV
Silver, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1927	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1927	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1927	RVV
Zinc, total	0.0236		0.0050	mg/L		06/21/25 1006	06/25/25 1927	RVV

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CERTIFICATE OF ANALYSIS

1IF1183

Client Sample ID: Field Duplicate

Sample Matrix: Aqueous

Lab Sample ID: 1IF1183-16

Collected By: Whipple, Todd

Collection Date: 06/12/2025

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1930	RVV
Arsenic, total	<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1930	RVV
Barium, total	0.0129	0.0010	mg/L		06/21/25 1006	06/25/25 1930	RVV
Beryllium, total	<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1930	RVV
Cadmium, total	<0.0002	0.0002	mg/L		06/21/25 1006	06/25/25 1930	RVV
Chromium, total	<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1930	RVV
Cobalt, total	0.0034	0.0005	mg/L		06/21/25 1006	06/25/25 1930	RVV
Copper, total	<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1930	RVV
Lead, total	<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1930	RVV
Nickel, total	0.0144	0.0050	mg/L		06/21/25 1006	06/25/25 1930	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1930	RVV
Silver, total	<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1930	RVV
Thallium, total	<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1930	RVV
Vanadium, total	<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1930	RVV
Zinc, total	0.0055	0.0050	mg/L		06/21/25 1006	06/25/25 1930	RVV

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: MW-43
Sample Matrix: Aqueous
Lab Sample ID: 11F1183-17

Collected By: Whipple, Todd
Collection Date: 06/12/2025 10:53

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Vinyl Chloride	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Bromomethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Chloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Acetone	<10.0	10.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Methyl Iodide	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Carbon Disulfide	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Methylene Chloride	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Acrylonitrile	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Vinyl Acetate	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Bromochloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Chloroform	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Benzene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Trichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Dibromomethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Bromodichloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Toluene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Dibromochloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Chlorobenzene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Ethylbenzene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Xylenes, total	<2.0	2.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Styrene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Bromoform	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF

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CERTIFICATE OF ANALYSIS

1IF1183

Client Sample ID: MW-43
Sample Matrix: Aqueous
Lab Sample ID: 1IF1183-17

Collected By: Whipple, Todd
Collection Date: 06/12/2025 10:53

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1438	RAF
Surrogate: Dibromofluoromethane	88.1	Limit: 75-136	% Rec			06/17/25 0000	06/17/25 1438	RAF
Surrogate: Dibromofluoromethane	88.1	Limit: 57-128	% Rec			06/17/25 0000	06/17/25 1438	RAF
Surrogate: 1,2-Dichloroethane-d4	81.4	Limit: 49-135	% Rec			06/17/25 0000	06/17/25 1438	RAF
Surrogate: 1,2-Dichloroethane-d4	81.4	Limit: 61-142	% Rec			06/17/25 0000	06/17/25 1438	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec			06/17/25 0000	06/17/25 1438	RAF
Surrogate: Toluene-d8	101	Limit: 82-116	% Rec			06/17/25 0000	06/17/25 1438	RAF
Surrogate: 4-Bromofluorobenzene	88.0	Limit: 77-114	% Rec			06/17/25 0000	06/17/25 1438	RAF
Surrogate: 4-Bromofluorobenzene	88.0	Limit: 80-116	% Rec			06/17/25 0000	06/17/25 1438	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1932	RVV
Arsenic, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1932	RVV
Barium, total	0.0137	0.0010	mg/L			06/21/25 1006	06/25/25 1932	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1932	RVV
Cadmium, total		<0.0002	0.0002	mg/L		06/21/25 1006	06/25/25 1932	RVV
Chromium, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1932	RVV
Cobalt, total	0.0032	0.0005	mg/L			06/21/25 1006	06/25/25 1932	RVV
Copper, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1932	RVV
Lead, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1932	RVV
Nickel, total	0.0147	0.0050	mg/L			06/21/25 1006	06/25/25 1932	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1932	RVV
Silver, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1932	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1932	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1932	RVV
Zinc, total	0.0054	0.0050	mg/L			06/21/25 1006	06/25/25 1932	RVV

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: GU-6
Sample Matrix: Aqueous
Lab Sample ID: 11F1183-18

Collected By: Whipple, Todd
Collection Date: 06/12/2025 11:05

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Vinyl Chloride	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Bromomethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Chloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Acetone	<10.0	10.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Methyl Iodide	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Carbon Disulfide	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Methylene Chloride	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Acrylonitrile	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Vinyl Acetate	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Bromochloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Chloroform	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Benzene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Trichloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Dibromomethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Bromodichloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Toluene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Dibromochloromethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Chlorobenzene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Ethylbenzene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Xylenes, total	<2.0	2.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Styrene	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Bromoform	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF

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CERTIFICATE OF ANALYSIS

11F1183

Client Sample ID: GU-6
Sample Matrix: Aqueous
Lab Sample ID: 11F1183-18

Collected By: Whipple, Todd
Collection Date: 06/12/2025 11:05

Determination of Volatile Organic Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene		<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
1,1,2,2-Tetrachloroethane		<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
1,4-Dichlorobenzene		<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
1,2-Dichlorobenzene		<1.0	1.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
1,2-Dibromo-3-chloropropane		<5.0	5.0	ug/L		06/17/25 0000	06/17/25 1503	RAF
Surrogate: Dibromofluoromethane	84.7	Limit: 75-136	% Rec			06/17/25 0000	06/17/25 1503	RAF
Surrogate: Dibromofluoromethane	84.7	Limit: 57-128	% Rec			06/17/25 0000	06/17/25 1503	RAF
Surrogate: 1,2-Dichloroethane-d4	78.1	Limit: 49-135	% Rec			06/17/25 0000	06/17/25 1503	RAF
Surrogate: 1,2-Dichloroethane-d4	78.1	Limit: 61-142	% Rec			06/17/25 0000	06/17/25 1503	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec			06/17/25 0000	06/17/25 1503	RAF
Surrogate: Toluene-d8	101	Limit: 82-116	% Rec			06/17/25 0000	06/17/25 1503	RAF
Surrogate: 4-Bromofluorobenzene	87.2	Limit: 80-116	% Rec			06/17/25 0000	06/17/25 1503	RAF
Surrogate: 4-Bromofluorobenzene	87.2	Limit: 77-114	% Rec			06/17/25 0000	06/17/25 1503	RAF

Determination of Total Metals		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1940	RVV
Arsenic, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1940	RVV
Barium, total	0.0803		0.0010	mg/L		06/21/25 1006	06/25/25 1940	RVV
Beryllium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1940	RVV
Cadmium, total		<0.0002	0.0002	mg/L		06/21/25 1006	06/25/25 1940	RVV
Chromium, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1940	RVV
Cobalt, total	0.0019		0.0005	mg/L		06/21/25 1006	06/25/25 1940	RVV
Copper, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1940	RVV
Lead, total		<0.0010	0.0010	mg/L		06/21/25 1006	06/25/25 1940	RVV
Nickel, total	0.0129		0.0050	mg/L		06/21/25 1006	06/25/25 1940	RVV
Selenium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1940	RVV
Silver, total		<0.0050	0.0050	mg/L		06/21/25 1006	06/25/25 1940	RVV
Thallium, total		<0.0005	0.0005	mg/L		06/21/25 1006	06/25/25 1940	RVV
Vanadium, total		<0.0020	0.0020	mg/L		06/21/25 1006	06/25/25 1940	RVV
Zinc, total	0.0096		0.0050	mg/L		06/21/25 1006	06/25/25 1940	RVV

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CERTIFICATE OF ANALYSIS

1IF1183

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IF0872	1IF0872-BS1	
		1IF0872-BSD1	
		1IF0872-BLK1	
		1IF1183-01	MW-42
		1IF1183-02	MW-11 (up)
		1IF1183-03	MW-13 (up)
		1IF1183-04	MW-15
		1IF1183-05	MW-16
		1IF1183-06	MW-18
		1IF1183-07	MW-20-2
		1IF1183-08	MW-20-6
		1IF1183-09	MW-22-2
		1IF1183-10	MW-23
		1IF0872-MS1	1IF1183-01
		1IF0872-MSD1	1IF1183-01
Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IF0921	1IF0921-BS1	
		1IF0921-BSD1	
		1IF0921-BLK1	
		1IF1183-11	MW-27 (up)
		1IF1183-12	MW-28 (up)
		1IF1183-13	MW-30
		1IF1183-14	MW-41
		1IF1183-15	MW-40
		1IF1183-17	MW-43
		1IF1183-18	GU-6
		1IF0921-MS1	1IF1183-11
		1IF0921-MSD1	1IF1183-11
Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IF1025	1IF1025-BS1	
		1IF1025-BSD1	
		1IF1025-BLK1	
		1IF1183-07RE1	MW-20-2
		1IF1183-08RE1	MW-20-6
		1IF1183-09RE1	MW-22-2
Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1IF1180	1IF1180-BLK1	

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EPA 6020A	1IF1180	1IF1180-BS1	
		1IF1183-01	MW-42
		1IF1180-MS1	1IF1183-01
		1IF1180-MSD1	1IF1183-01
		1IF1180-PS1	1IF1183-01
		1IF1183-02	MW-11 (up)
		1IF1183-03	MW-13 (up)
		1IF1183-04	MW-15
		1IF1183-05	MW-16
		1IF1183-06	MW-18
		1IF1183-07	MW-20-2
		1IF1183-08	MW-20-6
		1IF1183-09	MW-22-2
		1IF1183-10	MW-23
		1IF1183-11	MW-27 (up)
		1IF1183-12	MW-28 (up)
		1IF1183-13	MW-30
		1IF1183-14	MW-41
		1IF1183-15	MW-40
		1IF1183-16	Field Duplicate
		1IF1183-17	MW-43
		1IF1183-18	GU-6

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1IG0146	1IG0146-BLK1	
		1IG0146-BS1	
		1IF1183-05RE3	MW-16
		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 1IF0872 - EPA 5030B - EPA 8260D										
Blank (1IF0872-BLK1)				Prepared: 06/16/25 00:00 Analyzed: 06/16/25 12:53						
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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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 11F0872 - EPA 5030B - EPA 8260D										
Blank (11F0872-BLK1)				Prepared: 06/16/25 00:00 Analyzed: 06/16/25 12:53						
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							
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L							
Surrogate: Dibromofluoromethane	45.1		ug/L	50.2		89.9	57-128			
Surrogate: Dibromofluoromethane	45.1		ug/L	50.2		89.9	75-136			

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CERTIFICATE OF ANALYSIS

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1IF0872 - EPA 5030B - EPA 8260D									
Blank (1IF0872-BLK1)									
				Prepared: 06/16/25 00:00 Analyzed: 06/16/25 12:53					
Surrogate: 1,2-Dichloroethane-d4	40.9		ug/L	50.4		81.2 49-135			
Surrogate: 1,2-Dichloroethane-d4	40.9		ug/L	50.4		81.2 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	45.2		ug/L	50.2		90.2 80-116			
Surrogate: 4-Bromofluorobenzene	45.2		ug/L	50.2		90.2 77-114			
LCS (1IF0872-BS1)									
				Prepared: 06/16/25 00:00 Analyzed: 06/16/25 11:16					
Chloromethane	29.77	1.0	ug/L	30.0		99.2 63-155			
Vinyl Chloride	31.47	1.0	ug/L	30.0		105 70-154			
Bromomethane	30.09	1.0	ug/L	30.0		100 52-176			
Chloroethane	33.72	1.0	ug/L	30.0		112 72-148			
Trichlorofluoromethane	34.46	1.0	ug/L	30.0		115 70-152			
1,1-Dichloroethylene	54.33	1.0	ug/L	50.0		109 70-148			
Acetone	102.7	10.0	ug/L	100		103 43-172			
Methyl Iodide	123.0	1.0	ug/L	100		123 69-170			
Carbon Disulfide	109.0	1.0	ug/L	100		109 72-162			
Methylene Chloride	51.70	5.0	ug/L	50.0		103 68-142			
Acrylonitrile	86.20	5.0	ug/L	100		86.2 33-163			
trans-1,2-Dichloroethylene	53.10	1.0	ug/L	50.0		106 66-148			
1,1-Dichloroethane	54.27	1.0	ug/L	50.0		109 66-143			
Vinyl Acetate	74.13	5.0	ug/L	50.0		148 43-153			
cis-1,2-Dichloroethylene	57.16	1.0	ug/L	50.0		114 71-149			
2-Butanone (MEK)	100.2	10.0	ug/L	100		100 52-159			
Bromochloromethane	49.49	1.0	ug/L	50.0		99.0 69-143			
Chloroform	52.66	1.0	ug/L	50.0		105 69-144			
1,1,1-Trichloroethane	47.54	1.0	ug/L	50.0		95.1 62-129			
Carbon Tetrachloride	48.08	1.0	ug/L	50.0		96.2 63-141			
Benzene	51.73	1.0	ug/L	50.0		103 71-134			
1,2-Dichloroethane	50.16	1.0	ug/L	50.0		100 72-132			
Trichloroethylene	53.08	1.0	ug/L	50.0		106 71-135			
1,2-Dichloropropane	49.93	1.0	ug/L	50.0		99.9 69-136			
Dibromomethane	51.29	1.0	ug/L	50.0		103 73-147			
Bromodichloromethane	50.87	1.0	ug/L	50.0		102 68-129			
cis-1,3-Dichloropropene	50.54	1.0	ug/L	50.0		101 65-134			
4-Methyl-2-pentanone (MIBK)	100.0	5.0	ug/L	100		100 58-147			
Toluene	49.77	1.0	ug/L	50.0		99.5 72-133			
trans-1,3-Dichloropropene	52.08	1.0	ug/L	50.0		104 67-130			
1,1,2-Trichloroethane	49.60	1.0	ug/L	50.0		99.2 69-135			
Tetrachloroethylene	55.46	1.0	ug/L	50.0		111 69-130			
2-Hexanone (MBK)	98.00	5.0	ug/L	100		98.0 55-144			
Dibromochloromethane	52.41	1.0	ug/L	50.0		105 73-127			
1,2-Dibromoethane	52.84	1.0	ug/L	50.0		106 67-132			
Chlorobenzene	51.22	1.0	ug/L	50.0		102 72-123			

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CERTIFICATE OF ANALYSIS

11F1183

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11F0872 - EPA 5030B - EPA 8260D										
LCS (11F0872-BS1) Prepared: 06/16/25 00:00 Analyzed: 06/16/25 11:16										
1,1,1,2-Tetrachloroethane	54.56	1.0	ug/L	50.0		109	73-127			
Ethylbenzene	56.49	1.0	ug/L	50.0		113	71-127			
Xylenes, total	176.0	2.0	ug/L	150		117	74-127			
Styrene	57.42	1.0	ug/L	50.0		115	66-126			
Bromoform	49.87	1.0	ug/L	50.0		99.7	68-130			
1,2,3-Trichloropropane	49.90	1.0	ug/L	50.0		99.8	63-136			
trans-1,4-Dichloro-2-butene	95.81	5.0	ug/L	100		95.8	54-134			
1,1,2,2-Tetrachloroethane	50.17	1.0	ug/L	50.0		100	61-131			
1,4-Dichlorobenzene	52.70	1.0	ug/L	50.0		105	70-129			
1,2-Dichlorobenzene	54.55	1.0	ug/L	50.0		109	69-126			
1,2-Dibromo-3-chloropropane	46.07	5.0	ug/L	50.0		92.1	50-143			
Surrogate: Dibromofluoromethane	53.4		ug/L	50.2		106	57-128			
Surrogate: Dibromofluoromethane	53.4		ug/L	50.2		106	75-136			
Surrogate: 1,2-Dichloroethane-d4	54.1		ug/L	50.4		107	49-135			
Surrogate: 1,2-Dichloroethane-d4	54.1		ug/L	50.4		107	61-142			
Surrogate: Toluene-d8	48.7		ug/L	50.5		96.6	82-116			
Surrogate: Toluene-d8	48.7		ug/L	50.5		96.6	82-121			
Surrogate: 4-Bromofluorobenzene	49.1		ug/L	50.2		97.8	77-114			
Surrogate: 4-Bromofluorobenzene	49.1		ug/L	50.2		97.8	80-116			
LCS Dup (11F0872-BSD1) Prepared: 06/16/25 00:00 Analyzed: 06/16/25 11:40										
Chloromethane	28.94	1.0	ug/L	30.0		96.5	63-155	2.83	24	
Vinyl Chloride	31.18	1.0	ug/L	30.0		104	70-154	0.926	25	
Bromomethane	29.19	1.0	ug/L	30.0		97.3	52-176	3.04	27	
Chloroethane	33.16	1.0	ug/L	30.0		111	72-148	1.67	25	
Trichlorofluoromethane	33.50	1.0	ug/L	30.0		112	70-152	2.83	26	
1,1-Dichloroethylene	53.90	1.0	ug/L	50.0		108	70-148	0.795	24	
Acetone	109.8	10.0	ug/L	100		110	43-172	6.69	30	
Methyl Iodide	121.8	1.0	ug/L	100		122	69-170	1.04	30	
Carbon Disulfide	106.0	1.0	ug/L	100		106	72-162	2.78	24	
Methylene Chloride	51.28	5.0	ug/L	50.0		103	68-142	0.816	21	
Acrylonitrile	88.08	5.0	ug/L	100		88.1	33-163	2.16	28	
trans-1,2-Dichloroethylene	52.18	1.0	ug/L	50.0		104	66-148	1.75	27	
1,1-Dichloroethane	53.55	1.0	ug/L	50.0		107	66-143	1.34	24	
Vinyl Acetate	74.13	5.0	ug/L	50.0		148	43-153	0.00	30	
cis-1,2-Dichloroethylene	56.46	1.0	ug/L	50.0		113	71-149	1.23	26	
2-Butanone (MEK)	96.56	10.0	ug/L	100		96.6	52-159	3.72	27	
Bromochloromethane	49.35	1.0	ug/L	50.0		98.7	69-143	0.283	23	
Chloroform	52.51	1.0	ug/L	50.0		105	69-144	0.285	23	
1,1,1-Trichloroethane	46.77	1.0	ug/L	50.0		93.5	62-129	1.63	24	
Carbon Tetrachloride	47.55	1.0	ug/L	50.0		95.1	63-141	1.11	25	
Benzene	50.93	1.0	ug/L	50.0		102	71-134	1.56	24	
1,2-Dichloroethane	51.21	1.0	ug/L	50.0		102	72-132	2.07	24	
Trichloroethylene	52.51	1.0	ug/L	50.0		105	71-135	1.08	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 11F0872 - EPA 5030B - EPA 8260D										
LCS Dup (11F0872-BSD1)										
Prepared: 06/16/25 00:00 Analyzed: 06/16/25 11:40										
1,2-Dichloropropane	49.72	1.0	ug/L	50.0		99.4	69-136	0.421	24	
Dibromomethane	49.62	1.0	ug/L	50.0		99.2	73-147	3.31	25	
Bromodichloromethane	49.50	1.0	ug/L	50.0		99.0	68-129	2.73	22	
cis-1,3-Dichloropropene	50.17	1.0	ug/L	50.0		100	65-134	0.735	23	
4-Methyl-2-pentanone (MIBK)	101.5	5.0	ug/L	100		102	58-147	1.47	27	
Toluene	48.76	1.0	ug/L	50.0		97.5	72-133	2.05	24	
trans-1,3-Dichloropropene	51.59	1.0	ug/L	50.0		103	67-130	0.945	24	
1,1,2-Trichloroethane	49.28	1.0	ug/L	50.0		98.6	69-135	0.647	23	
Tetrachloroethylene	54.44	1.0	ug/L	50.0		109	69-130	1.86	25	
2-Hexanone (MBK)	99.54	5.0	ug/L	100		99.5	55-144	1.56	25	
Dibromochloromethane	51.85	1.0	ug/L	50.0		104	73-127	1.07	22	
1,2-Dibromoethane	54.07	1.0	ug/L	50.0		108	67-132	2.30	24	
Chlorobenzene	51.08	1.0	ug/L	50.0		102	72-123	0.274	23	
1,1,1,2-Tetrachloroethane	55.00	1.0	ug/L	50.0		110	73-127	0.803	24	
Ethylbenzene	56.09	1.0	ug/L	50.0		112	71-127	0.711	26	
Xylenes, total	174.0	2.0	ug/L	150		116	74-127	1.18	25	
Styrene	56.52	1.0	ug/L	50.0		113	66-126	1.58	23	
Bromoform	50.98	1.0	ug/L	50.0		102	68-130	2.20	23	
1,2,3-Trichloropropane	49.89	1.0	ug/L	50.0		99.8	63-136	0.0200	24	
trans-1,4-Dichloro-2-butene	100.0	5.0	ug/L	100		100	54-134	4.32	27	
1,1,2,2-Tetrachloroethane	52.10	1.0	ug/L	50.0		104	61-131	3.77	29	
1,4-Dichlorobenzene	52.84	1.0	ug/L	50.0		106	70-129	0.265	24	
1,2-Dichlorobenzene	54.50	1.0	ug/L	50.0		109	69-126	0.0917	26	
1,2-Dibromo-3-chloropropane	48.26	5.0	ug/L	50.0		96.5	50-143	4.64	30	
Surrogate: Dibromofluoromethane	52.8		ug/L	50.2		105	57-128			
Surrogate: Dibromofluoromethane	52.8		ug/L	50.2		105	75-136			
Surrogate: 1,2-Dichloroethane-d4	54.9		ug/L	50.4		109	49-135			
Surrogate: 1,2-Dichloroethane-d4	54.9		ug/L	50.4		109	61-142			
Surrogate: Toluene-d8	48.6		ug/L	50.5		96.2	82-116			
Surrogate: Toluene-d8	48.6		ug/L	50.5		96.2	82-121			
Surrogate: 4-Bromofluorobenzene	48.6		ug/L	50.2		96.8	77-114			
Surrogate: 4-Bromofluorobenzene	48.6		ug/L	50.2		96.8	80-116			
Matrix Spike (11F0872-MS1)										
Source: 11F1183-01										
Prepared: 06/16/25 00:00 Analyzed: 06/16/25 20:09										
Chloromethane	322.2	10.0	ug/L	300	ND	107	61-152			
Vinyl Chloride	342.9	10.0	ug/L	300	ND	114	66-149			
Bromomethane	316.3	10.0	ug/L	300	ND	105	43-171			
Chloroethane	370.9	10.0	ug/L	300	6.94	121	69-148			
Trichlorofluoromethane	379.3	10.0	ug/L	300	ND	126	62-163			
1,1-Dichloroethylene	586.5	10.0	ug/L	500	ND	117	70-148			
Acetone	1123	100	ug/L	1000	ND	112	45-173			
Methyl Iodide	1315	10.0	ug/L	1000	ND	132	62-167			
Carbon Disulfide	1179	10.0	ug/L	1000	ND	118	71-163			
Methylene Chloride	545.1	50.0	ug/L	500	ND	109	69-140			

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CERTIFICATE OF ANALYSIS

11F1183

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11F0872 - EPA 5030B - EPA 8260D										
Matrix Spike (11F0872-MS1)	Source: 11F1183-01			Prepared: 06/16/25 00:00 Analyzed: 06/16/25 20:09						
Acrylonitrile	872.8	50.0	ug/L	1000	ND	87.3	32-159			
trans-1,2-Dichloroethylene	576.2	10.0	ug/L	500	ND	115	69-144			
1,1-Dichloroethane	582.2	10.0	ug/L	500	ND	116	70-138			
Vinyl Acetate	601.8	50.0	ug/L	500	ND	120	58-142			
cis-1,2-Dichloroethylene	607.2	10.0	ug/L	500	9.32	120	68-151			
2-Butanone (MEK)	986.8	100	ug/L	1000	ND	98.7	50-160			
Bromochloromethane	522.2	10.0	ug/L	500	ND	104	65-143			
Chloroform	562.5	10.0	ug/L	500	ND	112	71-143			
1,1,1-Trichloroethane	514.4	10.0	ug/L	500	ND	103	63-133			
Carbon Tetrachloride	525.6	10.0	ug/L	500	ND	105	63-142			
Benzene	540.4	10.0	ug/L	500	ND	108	69-133			
1,2-Dichloroethane	512.6	10.0	ug/L	500	ND	103	63-138			
Trichloroethylene	557.8	10.0	ug/L	500	ND	112	71-133			
1,2-Dichloropropane	515.5	10.0	ug/L	500	ND	103	69-132			
Dibromomethane	510.8	10.0	ug/L	500	ND	102	70-147			
Bromodichloromethane	516.0	10.0	ug/L	500	ND	103	67-130			
cis-1,3-Dichloropropene	497.3	10.0	ug/L	500	ND	99.5	61-126			
4-Methyl-2-pentanone (MIBK)	989.5	50.0	ug/L	1000	ND	99.0	55-147			
Toluene	523.0	10.0	ug/L	500	ND	105	71-133			
trans-1,3-Dichloropropene	513.8	10.0	ug/L	500	ND	103	63-124			
1,1,2-Trichloroethane	498.2	10.0	ug/L	500	ND	99.6	69-133			
Tetrachloroethylene	582.1	10.0	ug/L	500	ND	116	70-124			
2-Hexanone (MBK)	950.5	50.0	ug/L	1000	ND	95.0	53-141			
Dibromochloromethane	520.4	10.0	ug/L	500	ND	104	74-122			
1,2-Dibromoethane	528.1	10.0	ug/L	500	ND	106	66-127			
Chlorobenzene	531.6	10.0	ug/L	500	ND	106	76-116			
1,1,1,2-Tetrachloroethane	581.2	10.0	ug/L	500	ND	116	77-121			
Ethylbenzene	599.2	10.0	ug/L	500	ND	120	73-124			
Xylenes, total	1848	20.0	ug/L	1500	ND	123	75-123			
Styrene	593.3	10.0	ug/L	500	ND	119	70-120			
Bromoform	490.8	10.0	ug/L	500	ND	98.2	70-124			
1,2,3-Trichloropropane	486.7	10.0	ug/L	500	ND	97.3	62-135			
trans-1,4-Dichloro-2-butene	925.5	50.0	ug/L	1000	ND	92.6	50-120			
1,1,2,2-Tetrachloroethane	507.0	10.0	ug/L	500	ND	101	63-126			
1,4-Dichlorobenzene	528.1	10.0	ug/L	500	ND	106	72-119			
1,2-Dichlorobenzene	542.0	10.0	ug/L	500	ND	108	71-117			
1,2-Dibromo-3-chloropropane	443.2	50.0	ug/L	500	ND	88.6	49-134			
Surrogate: Dibromofluoromethane	554		ug/L	502		110	57-128			
Surrogate: Dibromofluoromethane	554		ug/L	502		110	75-136			
Surrogate: 1,2-Dichloroethane-d4	551		ug/L	504		109	49-135			
Surrogate: 1,2-Dichloroethane-d4	551		ug/L	504		109	61-142			
Surrogate: Toluene-d8	499		ug/L	505		98.8	82-116			
Surrogate: Toluene-d8	499		ug/L	505		98.8	82-121			

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CERTIFICATE OF ANALYSIS

11F1183

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11F0872 - EPA 5030B - EPA 8260D										
Matrix Spike (11F0872-MS1)		Source: 11F1183-01		Prepared: 06/16/25 00:00 Analyzed: 06/16/25 20:09						
Surrogate: 4-Bromofluorobenzene	498		ug/L	502		99.2	77-114			
Surrogate: 4-Bromofluorobenzene	498		ug/L	502		99.2	80-116			
Matrix Spike Dup (11F0872-MSD1)		Source: 11F1183-01		Prepared: 06/16/25 00:00 Analyzed: 06/16/25 20:34						
Chloromethane	309.9	10.0	ug/L	300	ND	103	61-152	3.89	26	
Vinyl Chloride	334.7	10.0	ug/L	300	ND	112	66-149	2.42	23	
Bromomethane	300.5	10.0	ug/L	300	ND	100	43-171	5.12	29	
Chloroethane	365.1	10.0	ug/L	300	6.94	119	69-148	1.58	25	
Trichlorofluoromethane	359.8	10.0	ug/L	300	ND	120	62-163	5.28	25	
1,1-Dichloroethylene	562.4	10.0	ug/L	500	ND	112	70-148	4.20	22	
Acetone	1095	100	ug/L	1000	ND	110	45-173	2.52	30	
Methyl Iodide	1300	10.0	ug/L	1000	ND	130	62-167	1.18	24	
Carbon Disulfide	1129	10.0	ug/L	1000	ND	113	71-163	4.31	22	
Methylene Chloride	535.3	50.0	ug/L	500	ND	107	69-140	1.81	19	
Acrylonitrile	873.8	50.0	ug/L	1000	ND	87.4	32-159	0.115	30	
trans-1,2-Dichloroethylene	544.3	10.0	ug/L	500	ND	109	69-144	5.69	22	
1,1-Dichloroethane	552.6	10.0	ug/L	500	ND	111	70-138	5.22	20	
Vinyl Acetate	730.0	50.0	ug/L	500	ND	146	58-142	19.3	24	M1
cis-1,2-Dichloroethylene	573.7	10.0	ug/L	500	9.32	113	68-151	5.67	22	
2-Butanone (MEK)	943.8	100	ug/L	1000	ND	94.4	50-160	4.45	23	
Bromochloromethane	505.8	10.0	ug/L	500	ND	101	65-143	3.19	22	
Chloroform	529.7	10.0	ug/L	500	ND	106	71-143	6.01	21	
1,1,1-Trichloroethane	487.1	10.0	ug/L	500	ND	97.4	63-133	5.45	23	
Carbon Tetrachloride	494.3	10.0	ug/L	500	ND	98.9	63-142	6.14	22	
Benzene	520.0	10.0	ug/L	500	ND	104	69-133	3.85	18	
1,2-Dichloroethane	488.2	10.0	ug/L	500	ND	97.6	63-138	4.88	20	
Trichloroethylene	534.0	10.0	ug/L	500	ND	107	71-133	4.36	23	
1,2-Dichloropropane	492.0	10.0	ug/L	500	ND	98.4	69-132	4.67	20	
Dibromomethane	483.2	10.0	ug/L	500	ND	96.6	70-147	5.55	22	
Bromodichloromethane	498.0	10.0	ug/L	500	ND	99.6	67-130	3.55	21	
cis-1,3-Dichloropropene	476.0	10.0	ug/L	500	ND	95.2	61-126	4.38	21	
4-Methyl-2-pentanone (MIBK)	988.1	50.0	ug/L	1000	ND	98.8	55-147	0.142	23	
Toluene	510.4	10.0	ug/L	500	ND	102	71-133	2.44	19	
trans-1,3-Dichloropropene	497.8	10.0	ug/L	500	ND	99.6	63-124	3.16	21	
1,1,2-Trichloroethane	478.9	10.0	ug/L	500	ND	95.8	69-133	3.95	19	
Tetrachloroethylene	553.1	10.0	ug/L	500	ND	111	70-124	5.11	24	
2-Hexanone (MBK)	934.5	50.0	ug/L	1000	ND	93.4	53-141	1.70	24	
Dibromochloromethane	503.6	10.0	ug/L	500	ND	101	74-122	3.28	21	
1,2-Dibromoethane	520.9	10.0	ug/L	500	ND	104	66-127	1.37	23	
Chlorobenzene	514.8	10.0	ug/L	500	ND	103	76-116	3.21	21	
1,1,1,2-Tetrachloroethane	543.5	10.0	ug/L	500	ND	109	77-121	6.70	25	
Ethylbenzene	578.6	10.0	ug/L	500	ND	116	73-124	3.50	20	
Xylenes, total	1794	20.0	ug/L	1500	ND	120	75-123	2.99	20	

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CERTIFICATE OF ANALYSIS

1IF1183

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IF0872 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1IF0872-MSD1)			Source: 1IF1183-01		Prepared: 06/16/25 00:00 Analyzed: 06/16/25 20:34					
Styrene	573.8	10.0	ug/L	500	ND	115	70-120	3.34	23	
Bromoform	470.1	10.0	ug/L	500	ND	94.0	70-124	4.31	22	
1,2,3-Trichloropropane	515.1	10.0	ug/L	500	ND	103	62-135	5.67	28	
trans-1,4-Dichloro-2-butene	936.6	50.0	ug/L	1000	ND	93.7	50-120	1.19	26	
1,1,2,2-Tetrachloroethane	490.7	10.0	ug/L	500	ND	98.1	63-126	3.27	24	
1,4-Dichlorobenzene	521.2	10.0	ug/L	500	ND	104	72-119	1.32	24	
1,2-Dichlorobenzene	540.5	10.0	ug/L	500	ND	108	71-117	0.277	24	
1,2-Dibromo-3-chloropropane	453.4	50.0	ug/L	500	ND	90.7	49-134	2.28	28	
Surrogate: Dibromofluoromethane	541		ug/L	502		108	57-128			
Surrogate: Dibromofluoromethane	541		ug/L	502		108	75-136			
Surrogate: 1,2-Dichloroethane-d4	540		ug/L	504		107	49-135			
Surrogate: 1,2-Dichloroethane-d4	540		ug/L	504		107	61-142			
Surrogate: Toluene-d8	496		ug/L	505		98.3	82-116			
Surrogate: Toluene-d8	496		ug/L	505		98.3	82-121			
Surrogate: 4-Bromofluorobenzene	487		ug/L	502		97.0	77-114			
Surrogate: 4-Bromofluorobenzene	487		ug/L	502		97.0	80-116			
Batch 1IF0921 - EPA 5030B - EPA 8260D										
Blank (1IF0921-BLK1)			Prepared: 06/17/25 00:00 Analyzed: 06/17/25 12:13							
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							

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CERTIFICATE OF ANALYSIS

11F1183

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11F0921 - EPA 5030B - EPA 8260D										
Blank (11F0921-BLK1)										
Prepared: 06/17/25 00:00 Analyzed: 06/17/25 12:13										
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	44.8		ug/L	50.2		89.2	57-128			
Surrogate: Dibromofluoromethane	44.8		ug/L	50.2		89.2	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	51.9		ug/L	50.5		103	82-116			
Surrogate: Toluene-d8	51.9		ug/L	50.5		103	82-121			
Surrogate: 4-Bromofluorobenzene	44.8		ug/L	50.2		89.3	77-114			
Surrogate: 4-Bromofluorobenzene	44.8		ug/L	50.2		89.3	80-116			
LCS (11F0921-BS1)										
Prepared: 06/17/25 00:00 Analyzed: 06/17/25 10:36										
Chloromethane	33.26	1.0	ug/L	30.3		110	63-155			
Vinyl Chloride	34.22	1.0	ug/L	30.2		113	70-154			
Bromomethane	32.48	1.0	ug/L	30.1		108	52-176			
Chloroethane	33.42	1.0	ug/L	30.3		110	72-148			
Trichlorofluoromethane	35.26	1.0	ug/L	30.3		116	70-152			
1,1-Dichloroethylene	58.91	1.0	ug/L	50.1		118	70-148			
Acetone	106.9	10.0	ug/L	100		107	43-172			
Methyl Iodide	126.1	1.0	ug/L	100		126	69-170			
Carbon Disulfide	118.3	1.0	ug/L	100		118	72-162			
Methylene Chloride	52.56	5.0	ug/L	50.1		105	68-142			
Acrylonitrile	51.26	5.0	ug/L	50.2		102	33-163			

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CERTIFICATE OF ANALYSIS

11F1183

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11F0921 - EPA 5030B - EPA 8260D										
LCS (11F0921-BS1)										
Prepared: 06/17/25 00:00 Analyzed: 06/17/25 10:36										
trans-1,2-Dichloroethylene	56.21	1.0	ug/L	50.1		112	66-148			
1,1-Dichloroethane	56.08	1.0	ug/L	50.1		112	66-143			
Vinyl Acetate	169.0	5.0	ug/L	131		129	43-153			
cis-1,2-Dichloroethylene	57.20	1.0	ug/L	50.4		114	71-149			
2-Butanone (MEK)	101.1	10.0	ug/L	100		101	52-159			
Bromochloromethane	49.76	1.0	ug/L	50.4		98.7	69-143			
Chloroform	55.40	1.0	ug/L	50.1		111	69-144			
1,1,1-Trichloroethane	51.27	1.0	ug/L	50.1		102	62-129			
Carbon Tetrachloride	51.46	1.0	ug/L	50.1		103	63-141			
Benzene	52.20	1.0	ug/L	50.4		103	71-134			
1,2-Dichloroethane	49.23	1.0	ug/L	50.1		98.3	72-132			
Trichloroethylene	56.12	1.0	ug/L	50.1		112	71-135			
1,2-Dichloropropane	50.06	1.0	ug/L	50.1		99.9	69-136			
Dibromomethane	47.60	1.0	ug/L	50.4		94.5	73-147			
Bromodichloromethane	51.69	1.0	ug/L	50.1		103	68-129			
cis-1,3-Dichloropropene	49.12	1.0	ug/L	50.1		98.1	65-134			
4-Methyl-2-pentanone (MIBK)	100.8	5.0	ug/L	100		101	58-147			
Toluene	52.18	1.0	ug/L	50.5		103	72-133			
trans-1,3-Dichloropropene	49.81	1.0	ug/L	50.1		99.5	67-130			
1,1,2-Trichloroethane	47.76	1.0	ug/L	50.1		95.3	69-135			
Tetrachloroethylene	59.45	1.0	ug/L	50.1		119	69-130			
2-Hexanone (MBK)	97.86	5.0	ug/L	100		97.9	55-144			
Dibromochloromethane	52.29	1.0	ug/L	50.1		104	73-127			
1,2-Dibromoethane	51.31	1.0	ug/L	50.2		102	67-132			
Chlorobenzene	53.83	1.0	ug/L	50.1		107	72-123			
1,1,1,2-Tetrachloroethane	55.30	1.0	ug/L	50.3		110	73-127			
Ethylbenzene	59.83	1.0	ug/L	50.2		119	71-127			
Xylenes, total	184.8	2.0	ug/L	151		122	74-127			
Styrene	59.91	1.0	ug/L	50.4		119	66-126			
Bromoform	49.80	1.0	ug/L	50.1		99.4	68-130			
1,2,3-Trichloropropane	51.07	1.0	ug/L	50.3		101	63-136			
trans-1,4-Dichloro-2-butene	97.83	5.0	ug/L	100		97.8	54-134			
1,1,2,2-Tetrachloroethane	49.70	1.0	ug/L	50.1		99.2	61-131			
1,4-Dichlorobenzene	55.56	1.0	ug/L	50.1		111	70-129			
1,2-Dichlorobenzene	54.62	1.0	ug/L	50.1		109	69-126			
1,2-Dibromo-3-chloropropane	49.79	5.0	ug/L	50.1		99.3	50-143			
Surrogate: Dibromofluoromethane	53.3		ug/L	50.2		106	57-128			
Surrogate: Dibromofluoromethane	53.3		ug/L	50.2		106	75-136			
Surrogate: 1,2-Dichloroethane-d4	54.6		ug/L	50.4		108	49-135			
Surrogate: 1,2-Dichloroethane-d4	54.6		ug/L	50.4		108	61-142			
Surrogate: Toluene-d8	49.6		ug/L	50.5		98.3	82-116			
Surrogate: Toluene-d8	49.6		ug/L	50.5		98.3	82-121			
Surrogate: 4-Bromofluorobenzene	48.5		ug/L	50.2		96.7	77-114			

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CERTIFICATE OF ANALYSIS

11F1183

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11F0921 - EPA 5030B - EPA 8260D									
LCS (11F0921-BS1) Prepared: 06/17/25 00:00 Analyzed: 06/17/25 10:36									
Surrogate: 4-Bromofluorobenzene	48.5		ug/L	50.2		96.7 80-116			
LCS Dup (11F0921-BS1) Prepared: 06/17/25 00:00 Analyzed: 06/17/25 11:00									
Chloromethane	32.84	1.0	ug/L	30.3		108 63-155	1.27	24	
Vinyl Chloride	34.29	1.0	ug/L	30.2		113 70-154	0.204	25	
Bromomethane	32.16	1.0	ug/L	30.1		107 52-176	0.990	27	
Chloroethane	33.77	1.0	ug/L	30.3		111 72-148	1.04	25	
Trichlorofluoromethane	35.20	1.0	ug/L	30.3		116 70-152	0.170	26	
1,1-Dichloroethylene	58.36	1.0	ug/L	50.1		116 70-148	0.938	24	
Acetone	102.8	10.0	ug/L	100		103 43-172	3.86	30	
Methyl Iodide	126.8	1.0	ug/L	100		127 69-170	0.562	30	
Carbon Disulfide	116.2	1.0	ug/L	100		116 72-162	1.79	24	
Methylene Chloride	53.03	5.0	ug/L	50.1		106 68-142	0.890	21	
Acrylonitrile	50.51	5.0	ug/L	50.2		101 33-163	1.47	28	
trans-1,2-Dichloroethylene	55.06	1.0	ug/L	50.1		110 66-148	2.07	27	
1,1-Dichloroethane	55.30	1.0	ug/L	50.1		110 66-143	1.40	24	
Vinyl Acetate	160.1	5.0	ug/L	131		122 43-153	5.42	30	
cis-1,2-Dichloroethylene	56.39	1.0	ug/L	50.4		112 71-149	1.43	26	
2-Butanone (MEK)	95.25	10.0	ug/L	100		95.2 52-159	5.98	27	
Bromochloromethane	50.14	1.0	ug/L	50.4		99.5 69-143	0.761	23	
Chloroform	53.79	1.0	ug/L	50.1		107 69-144	2.95	23	
1,1,1-Trichloroethane	50.29	1.0	ug/L	50.1		100 62-129	1.93	24	
Carbon Tetrachloride	50.47	1.0	ug/L	50.1		101 63-141	1.94	25	
Benzene	51.83	1.0	ug/L	50.4		103 71-134	0.711	24	
1,2-Dichloroethane	48.72	1.0	ug/L	50.1		97.3 72-132	1.04	24	
Trichloroethylene	55.44	1.0	ug/L	50.1		111 71-135	1.22	24	
1,2-Dichloropropane	49.27	1.0	ug/L	50.1		98.4 69-136	1.59	24	
Dibromomethane	46.89	1.0	ug/L	50.4		93.1 73-147	1.50	25	
Bromodichloromethane	50.46	1.0	ug/L	50.1		101 68-129	2.41	22	
cis-1,3-Dichloropropene	47.76	1.0	ug/L	50.1		95.4 65-134	2.81	23	
4-Methyl-2-pentanone (MIBK)	99.86	5.0	ug/L	100		99.9 58-147	0.947	27	
Toluene	52.32	1.0	ug/L	50.5		104 72-133	0.268	24	
trans-1,3-Dichloropropene	49.95	1.0	ug/L	50.1		99.8 67-130	0.281	24	
1,1,2-Trichloroethane	47.28	1.0	ug/L	50.1		94.4 69-135	1.01	23	
Tetrachloroethylene	58.91	1.0	ug/L	50.1		118 69-130	0.912	25	
2-Hexanone (MBK)	97.90	5.0	ug/L	100		97.9 55-144	0.0409	25	
Dibromochloromethane	51.60	1.0	ug/L	50.1		103 73-127	1.33	22	
1,2-Dibromoethane	50.83	1.0	ug/L	50.2		101 67-132	0.940	24	
Chlorobenzene	53.76	1.0	ug/L	50.1		107 72-123	0.130	23	
1,1,1,2-Tetrachloroethane	54.73	1.0	ug/L	50.3		109 73-127	1.04	24	
Ethylbenzene	59.49	1.0	ug/L	50.2		119 71-127	0.570	26	
Xylenes, total	184.1	2.0	ug/L	151		122 74-127	0.347	25	
Styrene	59.16	1.0	ug/L	50.4		117 66-126	1.26	23	

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CERTIFICATE OF ANALYSIS

11F1183

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11F0921 - EPA 5030B - EPA 8260D										
LCS Dup (11F0921-BSD1)										
Prepared: 06/17/25 00:00 Analyzed: 06/17/25 11:00										
Bromoform	49.41	1.0	ug/L	50.1		98.6	68-130	0.786	23	
1,2,3-Trichloropropane	50.87	1.0	ug/L	50.3		101	63-136	0.392	24	
trans-1,4-Dichloro-2-butene	96.58	5.0	ug/L	100		96.6	54-134	1.29	27	
1,1,2,2-Tetrachloroethane	49.44	1.0	ug/L	50.1		98.7	61-131	0.525	29	
1,4-Dichlorobenzene	54.20	1.0	ug/L	50.1		108	70-129	2.48	24	
1,2-Dichlorobenzene	53.78	1.0	ug/L	50.1		107	69-126	1.55	26	
1,2-Dibromo-3-chloropropane	47.16	5.0	ug/L	50.1		94.1	50-143	5.43	30	
Surrogate: Dibromofluoromethane	52.8		ug/L	50.2		105	57-128			
Surrogate: Dibromofluoromethane	52.8		ug/L	50.2		105	75-136			
Surrogate: 1,2-Dichloroethane-d4	53.0		ug/L	50.4		105	49-135			
Surrogate: 1,2-Dichloroethane-d4	53.0		ug/L	50.4		105	61-142			
Surrogate: Toluene-d8	49.6		ug/L	50.5		98.2	82-116			
Surrogate: Toluene-d8	49.6		ug/L	50.5		98.2	82-121			
Surrogate: 4-Bromofluorobenzene	49.0		ug/L	50.2		97.7	77-114			
Surrogate: 4-Bromofluorobenzene	49.0		ug/L	50.2		97.7	80-116			
Matrix Spike (11F0921-MS1)										
Source: 11F1183-11										
Prepared: 06/17/25 00:00 Analyzed: 06/17/25 17:53										
Chloromethane	310.5	10.0	ug/L	303	ND	102	61-152			
Vinyl Chloride	315.2	10.0	ug/L	302	ND	104	66-149			
Bromomethane	341.7	10.0	ug/L	301	ND	113	43-171			
Chloroethane	314.4	10.0	ug/L	303	ND	104	69-148			
Trichlorofluoromethane	335.9	10.0	ug/L	303	ND	111	62-163			
1,1-Dichloroethylene	556.8	10.0	ug/L	501	ND	111	70-148			
Acetone	1244	100	ug/L	1000	ND	124	45-173			
Methyl Iodide	1105	10.0	ug/L	1000	ND	110	62-167			
Carbon Disulfide	1108	10.0	ug/L	1000	ND	111	71-163			
Methylene Chloride	568.9	50.0	ug/L	501	ND	114	69-140			
Acrylonitrile	579.2	50.0	ug/L	502	ND	115	32-159			
trans-1,2-Dichloroethylene	544.2	10.0	ug/L	501	ND	109	69-144			
1,1-Dichloroethane	553.0	10.0	ug/L	501	ND	110	70-138			
Vinyl Acetate	1791	50.0	ug/L	1310	ND	137	58-142			
cis-1,2-Dichloroethylene	572.6	10.0	ug/L	504	ND	114	68-151			
2-Butanone (MEK)	1194	100	ug/L	1000	ND	119	50-160			
Bromochloromethane	520.6	10.0	ug/L	504	ND	103	65-143			
Chloroform	556.4	10.0	ug/L	501	ND	111	71-143			
1,1,1-Trichloroethane	489.8	10.0	ug/L	501	ND	97.7	63-133			
Carbon Tetrachloride	490.5	10.0	ug/L	501	ND	97.9	63-142			
Benzene	524.4	10.0	ug/L	504	ND	104	69-133			
1,2-Dichloroethane	544.8	10.0	ug/L	501	ND	109	63-138			
Trichloroethylene	539.0	10.0	ug/L	501	ND	108	71-133			
1,2-Dichloropropane	524.7	10.0	ug/L	501	ND	105	69-132			
Dibromomethane	536.1	10.0	ug/L	504	ND	106	70-147			
Bromodichloromethane	550.6	10.0	ug/L	501	ND	110	67-130			
cis-1,3-Dichloropropene	517.5	10.0	ug/L	501	ND	103	61-126			

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CERTIFICATE OF ANALYSIS

11F1183

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11F0921 - EPA 5030B - EPA 8260D										
Matrix Spike (11F0921-MS1)	Source: 11F1183-11			Prepared: 06/17/25 00:00 Analyzed: 06/17/25 17:53						
4-Methyl-2-pentanone (MIBK)	1132	50.0	ug/L	1000	ND	113	55-147			
Toluene	515.3	10.0	ug/L	505	ND	102	71-133			
trans-1,3-Dichloropropene	538.3	10.0	ug/L	501	ND	107	63-124			
1,1,2-Trichloroethane	528.4	10.0	ug/L	501	ND	105	69-133			
Tetrachloroethylene	554.7	10.0	ug/L	501	ND	111	70-124			
2-Hexanone (MBK)	1057	50.0	ug/L	1000	ND	106	53-141			
Dibromochloromethane	568.1	10.0	ug/L	501	ND	113	74-122			
1,2-Dibromoethane	570.0	10.0	ug/L	502	ND	113	66-127			
Chlorobenzene	540.3	10.0	ug/L	501	ND	108	76-116			
1,1,1,2-Tetrachloroethane	569.1	10.0	ug/L	503	ND	113	77-121			
Ethylbenzene	576.2	10.0	ug/L	502	ND	115	73-124			
Xylenes, total	1792	20.0	ug/L	1510	ND	119	75-123			
Styrene	598.1	10.0	ug/L	504	ND	119	70-120			
Bromoform	548.6	10.0	ug/L	501	ND	109	70-124			
1,2,3-Trichloropropane	547.3	10.0	ug/L	503	ND	109	62-135			
trans-1,4-Dichloro-2-butene	1066	50.0	ug/L	1000	ND	107	50-120			
1,1,2,2-Tetrachloroethane	536.9	10.0	ug/L	501	ND	107	63-126			
1,4-Dichlorobenzene	540.5	10.0	ug/L	501	ND	108	72-119			
1,2-Dichlorobenzene	547.2	10.0	ug/L	501	ND	109	71-117			
1,2-Dibromo-3-chloropropane	501.2	50.0	ug/L	501	ND	100	49-134			
Surrogate: Dibromofluoromethane	552		ug/L	502		110	57-128			
Surrogate: Dibromofluoromethane	552		ug/L	502		110	75-136			
Surrogate: 1,2-Dichloroethane-d4	588		ug/L	504		117	49-135			
Surrogate: 1,2-Dichloroethane-d4	588		ug/L	504		117	61-142			
Surrogate: Toluene-d8	490		ug/L	505		97.1	82-116			
Surrogate: Toluene-d8	490		ug/L	505		97.1	82-121			
Surrogate: 4-Bromofluorobenzene	502		ug/L	502		100	77-114			
Surrogate: 4-Bromofluorobenzene	502		ug/L	502		100	80-116			
Matrix Spike Dup (11F0921-MSD1)	Source: 11F1183-11			Prepared: 06/17/25 00:00 Analyzed: 06/17/25 18:17						
Chloromethane	296.1	10.0	ug/L	303	ND	97.7	61-152	4.75	26	
Vinyl Chloride	305.2	10.0	ug/L	302	ND	101	66-149	3.22	23	
Bromomethane	314.6	10.0	ug/L	301	ND	104	43-171	8.26	29	
Chloroethane	297.4	10.0	ug/L	303	ND	98.1	69-148	5.56	25	
Trichlorofluoromethane	314.9	10.0	ug/L	303	ND	104	62-163	6.45	25	
1,1-Dichloroethylene	538.3	10.0	ug/L	501	ND	107	70-148	3.38	22	
Acetone	1162	100	ug/L	1000	ND	116	45-173	6.88	30	
Methyl Iodide	1100	10.0	ug/L	1000	ND	110	62-167	0.490	24	
Carbon Disulfide	1059	10.0	ug/L	1000	ND	106	71-163	4.54	22	
Methylene Chloride	549.4	50.0	ug/L	501	ND	110	69-140	3.49	19	
Acrylonitrile	557.4	50.0	ug/L	502	ND	111	32-159	3.84	30	
trans-1,2-Dichloroethylene	524.3	10.0	ug/L	501	ND	105	69-144	3.72	22	
1,1-Dichloroethane	527.9	10.0	ug/L	501	ND	105	70-138	4.64	20	
Vinyl Acetate	1700	50.0	ug/L	1310	ND	130	58-142	5.20	24	

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CERTIFICATE OF ANALYSIS

11F1183

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11F0921 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (11F0921-MSD1) Source: 11F1183-11 Prepared: 06/17/25 00:00 Analyzed: 06/17/25 18:17										
cis-1,2-Dichloroethylene	551.0	10.0	ug/L	504	ND	109	68-151	3.84	22	
2-Butanone (MEK)	1140	100	ug/L	1000	ND	114	50-160	4.57	23	
Bromochloromethane	511.3	10.0	ug/L	504	ND	101	65-143	1.80	22	
Chloroform	529.5	10.0	ug/L	501	ND	106	71-143	4.95	21	
1,1,1-Trichloroethane	470.4	10.0	ug/L	501	ND	93.9	63-133	4.04	23	
Carbon Tetrachloride	467.0	10.0	ug/L	501	ND	93.2	63-142	4.91	22	
Benzene	502.6	10.0	ug/L	504	ND	99.7	69-133	4.25	18	
1,2-Dichloroethane	519.2	10.0	ug/L	501	ND	104	63-138	4.81	20	
Trichloroethylene	523.2	10.0	ug/L	501	ND	104	71-133	2.97	23	
1,2-Dichloropropane	507.6	10.0	ug/L	501	ND	101	69-132	3.31	20	
Dibromomethane	508.1	10.0	ug/L	504	ND	101	70-147	5.36	22	
Bromodichloromethane	533.7	10.0	ug/L	501	ND	107	67-130	3.12	21	
cis-1,3-Dichloropropene	502.8	10.0	ug/L	501	ND	100	61-126	2.88	21	
4-Methyl-2-pentanone (MIBK)	1078	50.0	ug/L	1000	ND	108	55-147	4.83	23	
Toluene	494.9	10.0	ug/L	505	ND	98.0	71-133	4.04	19	
trans-1,3-Dichloropropene	513.2	10.0	ug/L	501	ND	102	63-124	4.77	21	
1,1,2-Trichloroethane	505.6	10.0	ug/L	501	ND	101	69-133	4.41	19	
Tetrachloroethylene	535.3	10.0	ug/L	501	ND	107	70-124	3.56	24	
2-Hexanone (MBK)	1049	50.0	ug/L	1000	ND	105	53-141	0.760	24	
Dibromochloromethane	541.7	10.0	ug/L	501	ND	108	74-122	4.76	21	
1,2-Dibromoethane	560.8	10.0	ug/L	502	ND	112	66-127	1.63	23	
Chlorobenzene	514.4	10.0	ug/L	501	ND	103	76-116	4.91	21	
1,1,1,2-Tetrachloroethane	550.7	10.0	ug/L	503	ND	109	77-121	3.29	25	
Ethylbenzene	552.0	10.0	ug/L	502	ND	110	73-124	4.29	20	
Xylenes, total	1721	20.0	ug/L	1510	ND	114	75-123	4.05	20	
Styrene	574.1	10.0	ug/L	504	ND	114	70-120	4.09	23	
Bromoform	529.5	10.0	ug/L	501	ND	106	70-124	3.54	22	
1,2,3-Trichloropropane	538.9	10.0	ug/L	503	ND	107	62-135	1.55	28	
trans-1,4-Dichloro-2-butene	1015	50.0	ug/L	1000	ND	102	50-120	4.89	26	
1,1,2,2-Tetrachloroethane	530.6	10.0	ug/L	501	ND	106	63-126	1.18	24	
1,4-Dichlorobenzene	532.5	10.0	ug/L	501	ND	106	72-119	1.49	24	
1,2-Dichlorobenzene	539.5	10.0	ug/L	501	ND	108	71-117	1.42	24	
1,2-Dibromo-3-chloropropane	517.3	50.0	ug/L	501	ND	103	49-134	3.16	28	
Surrogate: Dibromofluoromethane	540		ug/L	502		107	57-128			
Surrogate: Dibromofluoromethane	540		ug/L	502		107	75-136			
Surrogate: 1,2-Dichloroethane-d4	585		ug/L	504		116	49-135			
Surrogate: 1,2-Dichloroethane-d4	585		ug/L	504		116	61-142			
Surrogate: Toluene-d8	485		ug/L	505		96.1	82-116			
Surrogate: Toluene-d8	485		ug/L	505		96.1	82-121			
Surrogate: 4-Bromofluorobenzene	497		ug/L	502		99.1	77-114			
Surrogate: 4-Bromofluorobenzene	497		ug/L	502		99.1	80-116			

Batch 11F1025 - EPA 5030B - EPA 8260D



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CERTIFICATE OF ANALYSIS

11F1183

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11F1025 - EPA 5030B - EPA 8260D										
Blank (11F1025-BLK1)				Prepared: 06/18/25 00:00 Analyzed: 06/18/25 13:43						
Chloroethane	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
Surrogate: Dibromofluoromethane	43.0		ug/L	50.2		85.6	75-136			
Surrogate: 1,2-Dichloroethane-d4	40.6		ug/L	50.4		80.7	61-142			
Surrogate: Toluene-d8	50.8		ug/L	50.5		101	82-121			
Surrogate: 4-Bromofluorobenzene	45.5		ug/L	50.2		90.6	80-116			
LCS (11F1025-BS1)				Prepared: 06/18/25 00:00 Analyzed: 06/18/25 12:06						
Chloroethane	30.39	1.0	ug/L	30.0		101	72-148			
1,1-Dichloroethane	50.89	1.0	ug/L	50.0		102	66-143			
Surrogate: Dibromofluoromethane	52.1		ug/L	50.2		104	75-136			
Surrogate: 1,2-Dichloroethane-d4	54.3		ug/L	50.4		108	61-142			
Surrogate: Toluene-d8	48.6		ug/L	50.5		96.3	82-121			
Surrogate: 4-Bromofluorobenzene	49.3		ug/L	50.2		98.2	80-116			
LCS Dup (11F1025-BSD1)				Prepared: 06/18/25 00:00 Analyzed: 06/18/25 12:30						
Chloroethane	31.14	1.0	ug/L	30.0		104	72-148	2.44	25	
1,1-Dichloroethane	52.10	1.0	ug/L	50.0		104	66-143	2.35	24	
Surrogate: Dibromofluoromethane	51.6		ug/L	50.2		103	75-136			
Surrogate: 1,2-Dichloroethane-d4	54.1		ug/L	50.4		107	61-142			
Surrogate: Toluene-d8	49.1		ug/L	50.5		97.3	82-121			
Surrogate: 4-Bromofluorobenzene	49.8		ug/L	50.2		99.2	80-116			
Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11F1180 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (11F1180-BLK1)				Prepared: 06/21/25 10:06 Analyzed: 06/25/25 18:24						
Antimony, total	<0.0010	0.0010	mg/L							B
Arsenic, total	<0.0020	0.0020	mg/L							
Barium, total	<0.0010	0.0010	mg/L							
Beryllium, total	<0.0005	0.0005	mg/L							
Cadmium, total	<0.0002	0.0002	mg/L							
Chromium, total	<0.0010	0.0010	mg/L							
Cobalt, total	<0.0005	0.0005	mg/L							
Copper, total	<0.0050	0.0050	mg/L							
Lead, total	<0.0010	0.0010	mg/L							
Nickel, total	<0.0050	0.0050	mg/L							
Selenium, total	<0.0020	0.0020	mg/L							
Silver, total	<0.0050	0.0050	mg/L							
Thallium, total	<0.0005	0.0005	mg/L							
Vanadium, total	<0.0020	0.0020	mg/L							
Zinc, total	<0.0050	0.0050	mg/L							
LCS (11F1180-BS1)				Prepared: 06/21/25 10:06 Analyzed: 06/25/25 18:27						

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CERTIFICATE OF ANALYSIS

1IF1183

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IF1180 - EPA 3005A Total Recoverable Metals - EPA 6020A										
LCS (1IF1180-BS1) Prepared: 06/21/25 10:06 Analyzed: 06/25/25 18:27										
Antimony, total	0.105	0.0010	mg/L	0.100		105	80-120			
Arsenic, total	0.0957	0.0020	mg/L	0.100		95.7	80-120			
Barium, total	0.109	0.0010	mg/L	0.100		109	80-120			
Beryllium, total	0.0885	0.0005	mg/L	0.100		88.5	80-120			
Cadmium, total	0.0991	0.0002	mg/L	0.100		99.1	80-120			
Chromium, total	0.103	0.0010	mg/L	0.100		103	80-120			
Cobalt, total	0.105	0.0005	mg/L	0.100		105	80-120			
Copper, total	0.0950	0.0050	mg/L	0.100		95.0	80-120			
Lead, total	0.0995	0.0010	mg/L	0.100		99.5	80-120			
Nickel, total	0.0918	0.0050	mg/L	0.100		91.8	80-120			
Selenium, total	0.0969	0.0020	mg/L	0.100		96.9	80-120			
Silver, total	0.107	0.0050	mg/L	0.100		107	80-120			
Thallium, total	0.107	0.0005	mg/L	0.100		107	80-120			
Vanadium, total	0.107	0.0020	mg/L	0.100		107	80-120			
Zinc, total	0.0967	0.0050	mg/L	0.100		96.7	80-120			
Matrix Spike (1IF1180-MS1) Source: 1IF1183-01 Prepared: 06/21/25 10:06 Analyzed: 06/25/25 18:42										
Antimony, total	0.111	0.0010	mg/L	0.100	0.0005	111	75-125			
Arsenic, total	0.0906	0.0020	mg/L	0.100	0.0005	90.1	75-125			
Barium, total	0.571	0.0010	mg/L	0.100	0.449	122	75-125			
Beryllium, total	0.0971	0.0005	mg/L	0.100	ND	97.1	75-125			
Cadmium, total	0.101	0.0002	mg/L	0.100	0.0003	100	75-125			
Chromium, total	0.104	0.0010	mg/L	0.100	0.0006	103	75-125			
Cobalt, total	0.105	0.0005	mg/L	0.100	0.0027	102	75-125			
Copper, total	0.0913	0.0050	mg/L	0.100	ND	91.3	75-125			
Lead, total	0.102	0.0010	mg/L	0.100	ND	102	75-125			
Nickel, total	0.0974	0.0050	mg/L	0.100	0.0114	86.0	75-125			
Selenium, total	0.0933	0.0020	mg/L	0.100	ND	93.3	75-125			
Silver, total	0.108	0.0050	mg/L	0.100	ND	108	75-125			
Thallium, total	0.109	0.0005	mg/L	0.100	ND	109	75-125			
Vanadium, total	0.111	0.0020	mg/L	0.100	ND	111	75-125			
Zinc, total	0.103	0.0050	mg/L	0.100	0.0118	91.0	75-125			
Matrix Spike Dup (1IF1180-MSD1) Source: 1IF1183-01 Prepared: 06/21/25 10:06 Analyzed: 06/25/25 18:44										
Antimony, total	0.119	0.0010	mg/L	0.100	0.0005	119	75-125	6.96	20	
Arsenic, total	0.0956	0.0020	mg/L	0.100	0.0005	95.1	75-125	5.33	20	
Barium, total	0.596	0.0010	mg/L	0.100	0.449	147	75-125	4.29	20	M6
Beryllium, total	0.105	0.0005	mg/L	0.100	ND	105	75-125	7.82	20	
Cadmium, total	0.108	0.0002	mg/L	0.100	0.0003	108	75-125	7.17	20	
Chromium, total	0.110	0.0010	mg/L	0.100	0.0006	109	75-125	5.63	20	
Cobalt, total	0.111	0.0005	mg/L	0.100	0.0027	108	75-125	5.33	20	
Copper, total	0.0953	0.0050	mg/L	0.100	ND	95.3	75-125	4.28	20	
Lead, total	0.107	0.0010	mg/L	0.100	ND	107	75-125	4.93	20	
Nickel, total	0.103	0.0050	mg/L	0.100	0.0114	91.2	75-125	5.23	20	
Selenium, total	0.0992	0.0020	mg/L	0.100	ND	99.2	75-125	6.18	20	

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IF1183

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IF1180 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Matrix Spike Dup (1IF1180-MSD1) Source: 1IF1183-01 Prepared: 06/21/25 10:06 Analyzed: 06/25/25 18:44										
Silver, total	0.114	0.0050	mg/L	0.100	ND	114	75-125	5.10	20	
Thallium, total	0.117	0.0005	mg/L	0.100	ND	117	75-125	6.45	20	
Vanadium, total	0.116	0.0020	mg/L	0.100	ND	116	75-125	4.70	20	
Zinc, total	0.106	0.0050	mg/L	0.100	0.0118	93.8	75-125	2.63	20	
Post Spike (1IF1180-PS1) Source: 1IF1183-01 Prepared: 06/21/25 10:06 Analyzed: 06/25/25 18:46										
Antimony, total	0.0208		mg/L	0.0200	0.0005	102	80-120			
Arsenic, total	0.0180		mg/L	0.0200	0.0005	87.6	80-120			
Barium, total	0.465		mg/L	0.0200	0.449	82.9	80-120			
Beryllium, total	0.0195		mg/L	0.0200	0.00003	97.4	80-120			
Cadmium, total	0.0199		mg/L	0.0200	0.0003	98.1	80-120			
Chromium, total	0.0200		mg/L	0.0200	0.0006	96.8	80-120			
Cobalt, total	0.0216		mg/L	0.0200	0.0027	94.7	80-120			
Copper, total	0.0192		mg/L	0.0200	0.0013	89.7	80-120			
Lead, total	0.0194		mg/L	0.0200	0.0001	96.3	80-120			
Nickel, total	0.0278		mg/L	0.0200	0.0114	81.9	80-120			
Selenium, total	0.0181		mg/L	0.0200	0.0002	89.2	80-120			
Silver, total	0.0200		mg/L	0.0200	0.00001	99.8	80-120			
Thallium, total	0.0195		mg/L	0.0200	0.000009	97.4	80-120			
Vanadium, total	0.0203		mg/L	0.0200	0.000003	102	80-120			
Zinc, total	0.0296		mg/L	0.0200	0.0118	88.8	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										
Lead, total	<0.0010	0.0010	mg/L							
LCS (1IG0146-BS1) Prepared: 07/02/25 16:07 Analyzed: 07/03/25 17:32										
Lead, total	0.0998	0.0010	mg/L	0.100		99.8	80-120			
Matrix Spike (1IG0146-MS1) Source: 1ID0938-04RE1 Prepared: 07/02/25 16:07 Analyzed: 07/03/25 17:47										
Lead, total	0.0968	0.0010	mg/L	0.100	0.0005	96.3	75-125			
Matrix Spike Dup (1IG0146-MSD1) Source: 1ID0938-04RE1 Prepared: 07/02/25 16:07 Analyzed: 07/03/25 17:49										
Lead, total	0.0984	0.0010	mg/L	0.100	0.0005	97.9	75-125	1.68	20	
Post Spike (1IG0146-PS1) Source: 1ID0938-04RE1 Prepared: 07/02/25 16:07 Analyzed: 07/03/25 17:51										
Lead, total	0.0203		mg/L	0.0200	0.0005	98.9	80-120			

Definitions

B:	The target analyte was detected in the blank at or above the method acceptance criteria.
M1:	Matrix spike recovery is above acceptance limits.
M6:	Matrix spike recovery is outside of acceptance limits. The analyte concentration is greater than 4X the spiking level.
RL:	Reporting Limit
RPD:	Relative Percent Difference



Microbac Laboratories, Inc., Newton
CERTIFICATE OF ANALYSIS
1IF1183

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 1.9°C

Cooler Inspection Checklist

Custody Seals	No	Containers Intact	Yes
COC/Labels Agree	Yes	Preservation Confirmed	No
Received On Ice	Yes		

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
07/09/25 11:34



HLW Engineering
PM: Heather Murphy

www.keystonelabs.com

SITE INFORMATION

Sampler: TODD WHIPPLE
Project: Iowa County Landfill-New Regs
6005

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

Diane Yoder
Regional Env. Improve. Commission
3369 Hwy 6 Trail
Homestead, IA 52236

SPECIAL INSTRUCTIONS

None

Turn Around Time

☐ Standard ☐ RUSH, need by ___/___/___

LAB USE ONLY

Work Order

Temperature

Turn-Cooler: No

1IF1183
1.9

☐ 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-42	Aqueous	GRAB	<u>6/12/25</u>	<u>13:54</u>	<u>7</u>	Indfill-app1-voc-group	Indfill-app1-metals-6020	<u>01</u>
-001	MW-11 (up)	Aqueous	GRAB	<u>6/12/25</u>	<u>8:48</u>	<u>7</u>	Indfill-app1-voc-group	Indfill-app1-metals-6020	<u>02</u>
-001	MW-13 (up)	Aqueous	GRAB	<u>6/12/25</u>	<u>8:25</u>	<u>7</u>	Indfill-app1-voc-group	Indfill-app1-metals-6020	<u>03</u>
-001	MW-15	Aqueous	GRAB	<u>6/12/25</u>	<u>13:10</u>	<u>7</u>	Indfill-app2-inorg-6020	Indfill-app2-org	<u>04</u>
-001	MW-16	Aqueous	GRAB	<u>6/12/25</u>	<u>13:17</u>	<u>7</u>	Indfill-app1-voc-group	Indfill-app1-metals-6020	<u>05</u>
-001	MW-18	Aqueous	GRAB	<u>6/12/25</u>	<u>13:38</u>	<u>7</u>	Indfill-app1-voc-group	Indfill-app1-metals-6020	<u>06</u>
-001	MW-20-2	Aqueous	GRAB	<u>6/12/25</u>	<u>9:15</u>	<u>7</u>	Indfill-app1-voc-group	Indfill-app1-metals-6020	<u>07</u>

Relinquished By [Signature] Date/Time 6/13/25

Received By _____ Date/Time _____

Relinquished By _____ Date/Time _____

Received for Lab By [Signature] Date/Time 6/13/25 10:20

Original - Lab Copy Yellow - Sampler Copy

Remarks:



CHAIN OF CUSTODY R

600 East 17th Street South
Newton, IA 50208
641-792-8451



1 I F 1 1 8 3

HLW Engineering

PM: Heather Murphy

Page 2 of

ed: 5/5/2025 8:48:41A

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SITE INFORMATION

Sampler: TODD WHIPPLEProject: Iowa County Landfill-New Regs
6005

SPECIAL INSTRUCTIONS

None

Turn Around Time

☐ Standard ☐ RUSH, need by ___/___/___

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

Diane Yoder
Regional Env. Improve. Commission
3369 Hwy 6 Trail
Homestead, IA 52236

LAB USE ONLY

Work Order

Temperature

Turn-Cooler: No

1 IF 1183
7.9Custody 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-20-6	Aqueous	GRAB	<u>6/12/25</u>	<u>9:25</u>	<u>7</u>	Indfill-app1-voc-group	Indfill-app1-metals-6020	<u>08</u>
-001	MW-22-2	Aqueous	GRAB	<u>6/12/25</u>	<u>9:36</u>	<u>7</u>	Indfill-app1-voc-group	Indfill-app1-metals-6020	<u>09</u>
-001	MW-23	Aqueous	GRAB	<u>6/12/25</u>	<u>8:59</u>	<u>7</u>	Indfill-app1-voc-group	Indfill-app1-metals-6020	<u>10</u>
-001	MW-27 (up)	Aqueous	GRAB	<u>6/12/25</u>	<u>9:58</u>	<u>7</u>	Indfill-app1-voc-group	Indfill-app1-metals-6020	<u>11</u>
-001	MW-28 (up)	Aqueous	GRAB	<u>6/12/25</u>	<u>10:13</u>	<u>7</u>	Indfill-app1-voc-group	Indfill-app1-metals-6020	<u>12</u>
-001	MW-29D <u>Dry</u>	Aqueous	GRAB	<u>++</u>	<u>—</u>	<u>—</u>	Indfill-app1-voc-group	Indfill-app1-metals-6020	<u>X</u>
-001	MW-30	Aqueous	GRAB	<u>6/12/25</u>	<u>11:29</u>	<u>7</u>	Indfill-app1-voc-group	Indfill-app1-metals-6020	<u>13</u>

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Date/Time

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Date/Time

Received for Lab By

Date/Time

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Remarks:



CHAIN OF CUSTODY RECORD

600 East 17th Street South
Newton, IA 50208
641-792-8451



1 I F 1 1 8 3

HLW Engineering
PM: Heather Murphy

Page 3 of
8:41A

Page 59 of 60

SITE INFORMATION

Sampler: Todd Whipple
Project: Iowa County Landfill-New Regs
6005

SPECIAL INSTRUCTIONS

None

Turn Around Time

☐ Standard ☐ RUSH, need by ___/___/___

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

Diane Yoder
Regional Env. Improve. Commission
3369 Hwy 6 Trail
Homestead, IA 52236

LAB USE ONLY

Work Order

Temperature

Turn-Cooler: No

1 IF 1183

1.9

- ☐ 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-32 (UP) <u>Dry</u>	Aqueous	GRAB	<u>++</u>	<u>—</u>	<u>—</u>	Indfill-app1-voc-group Indfill-app1-metals-6020	<u>X</u>
-001	MW-41	Aqueous	GRAB	<u>6/12/25</u>	<u>12:47</u>	<u>7</u>	Indfill-app1-voc-group Indfill-app1-metals-6020	<u>014</u>
-001	GU-2 <u>Dry</u>	Aqueous	GRAB	<u>++</u>	<u>—</u>	<u>—</u>	Indfill-app1-voc-group Indfill-app1-metals-6020	<u>X</u>
-001	MW-40	Aqueous	GRAB	<u>6/12/25</u>	<u>10:30</u>	<u>7</u>	Indfill-app1-voc-group Indfill-app1-metals-6020	<u>15</u>
-001	GU-4 <u>Dry</u>	Aqueous	GRAB	<u>++</u>	<u>—</u>	<u>—</u>	Indfill-app1-voc-group Indfill-app1-metals-6020	<u>X</u>
-001	GU-5 <u>Dry</u>	Aqueous	GRAB	<u>++</u>	<u>—</u>	<u>—</u>	Indfill-app1-voc-group Indfill-app1-metals-6020	<u>X</u>
-001	Field Duplicate	Aqueous	GRAB	<u>6/12/25</u>	<u>✓</u>	<u>1</u>	Indfill-app1-metals-6020	<u>16</u>

Relinquished By

Date/Time

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Date/Time

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Date/Time

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Remarks:



600 East 17th Street South
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d: 5/5/2025 8:48:41A

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Page 60 of 60

SITE INFORMATION

Sampler: TODD WHIPPLE
Project: Iowa County Landfill-New Regs
6005

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

Diane Yoder
Regional Env. Improve. Commission
3369 Hwy 6 Trail
Homestead, IA 52236

SPECIAL INSTRUCTIONS

None

Turn Around Time

☐ Standard ☐ RUSH, need by ___/___/___

LAB USE ONLY

Work Order

Temperature

Turn-Cooler: No

4IF1183
1.9

☐ 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-43	Aqueous	GRAB	<u>6/12/25</u>	<u>10:53</u>	<u>7</u>	Indfill-app1-voc-group Indfill-app1-metals-6020	<u>17</u>
-001	GU-6	Aqueous	GRAB	<u>6/12/25</u>	<u>11:05</u>	<u>7</u>	Indfill-app1-voc-group Indfill-app1-metals-6020	<u>18</u>

Relinquished By

Date/Time

Relinquished By

Date/Time

Remarks:

Received By

Date/Time

Received for Lab By

Date/Time

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11I0220

Project Description

6005

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Tuesday, September 16, 2025

Please find enclosed the analytical results for the samples you submitted to Microbac Laboratories. Review and compilation of your report was completed by Microbac Laboratories, Inc., Newton. If you have any questions, comments, or require further assistance regarding this report, please contact your service representative listed above.

I certify that all test results meet all of the requirements of the accrediting authority listed within this report. Analytical results are reported on a 'as received' basis unless specified otherwise. Analytical results for solids with units ending in (dry) are reported on a dry weight basis. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of Microbac Laboratories. The reported results are related only to the samples analyzed as received.

Microbac Laboratories, Inc.

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11I0220

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: 6005

Project / PO Number: N/A
Received: 09/02/2025
Reported: 09/16/2025

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-30	11I0220-01	Aqueous	GRAB		09/02/25 09:44	09/02/25 16:36



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11I0220

Analytical Testing Parameters

Client Sample ID:	MW-30	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	09/02/2025 9:44
Lab Sample ID:	11I0220-01		

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Cadmium, total	<0.0002	0.0002	mg/L		09/12/25 1653	09/15/25 2235	RVV



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11I0220

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	11I0792	11I0792-BLK1	
		11I0792-BS1	
		11I0220-01	MW-30
		11I0792-MS1	11I1028-01
		11I0792-MSD1	11I1028-01
		11I0792-PS1	11I1028-01

Batch Quality Control Summary: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I0792 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (11I0792-BLK1)				Prepared: 09/12/25 16:53 Analyzed: 09/15/25 22:30						
Cadmium, total	<0.0002	0.0002	mg/L							
LCS (11I0792-BS1)				Prepared: 09/12/25 16:53 Analyzed: 09/15/25 22:33						
Cadmium, total	0.105	0.0002	mg/L	0.100		105	80-120			
Matrix Spike (11I0792-MS1)				Source: 11I1028-01 Prepared: 09/12/25 16:53 Analyzed: 09/15/25 22:45						
Cadmium, total	0.108	0.0002	mg/L	0.100	0.0002	107	75-125			
Matrix Spike Dup (11I0792-MSD1)				Source: 11I1028-01 Prepared: 09/12/25 16:53 Analyzed: 09/15/25 22:48						
Cadmium, total	0.108	0.0002	mg/L	0.100	0.0002	108	75-125	0.394	20	
Post Spike (11I0792-PS1)				Source: 11I1028-01 Prepared: 09/12/25 16:53 Analyzed: 09/15/25 22:50						
Cadmium, total	0.0202		mg/L	0.0200	0.0002	99.7	80-120			

Definitions

RL: Reporting Limit
RPD: Relative Percent Difference

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 0.4°C

Cooler Inspection Checklist

Custody Seals	No	Containers Intact	Yes
COC/Labels Agree	Yes	Preservation Confirmed	No
Received On Ice	Yes		

Report Comments

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.

Reviewed and Approved By:

Heather Murphy
Customer Relationship Specialist
heather.murphy@microbac.com
09/16/25 16:58

Keystone

LABORATORIES, INC.

CHAIN OF CUSTODY

☐ 600 E. 17th St. S.
Newton, IA 50208
Phone: 641-792-8451
Fax: 641-792-7989

☐ 3012 Ansborough
Waterloo, IA 507
Phone: 319-235-4440
Fax: 319-235-2480



205 E VanBuren St
Centerville, IA 52544
Phone: 641-437-7023
Fax: 641-437-7040

PAGE 1 OF 1

Page 5 of 5

PRINT OR TYPE INFORMATION BELOW

SAMPLER: TODD WHIPPLE
SITE NAME: Jones County Landfill
HLW Engineering Group
ADDRESS: _____
CITY/ST/ZIP: Homestead, IA
PHONE: _____

REPORT TO:

NAME: TODD WHIPPLE
COMPANY NAME: HLW Engineering Group
ADDRESS: P.O. Box 314
CITY/ST/ZIP: Story City, IA 50248
PHONE: 515 733 4144
FAX: 4146

BILL TO:

NAME: DAVID RANDALL, Director
COMPANY NAME: REIC
ADDRESS: 3369 Hwy 6 TRAIL
CITY/ST/ZIP: Homestead, IA 52236
PHONE: _____
Keystone Quote No: _____
(If Applicable)

CLIENT SAMPLE NUMBER	DATE	TIME	SAMPLE LOCATION	NO. OF CONTAINERS	MATRIX	GRAB/COMPOSITE	ANALYSES REQUIRED										LAB USE ONLY	
																	LABORATORY WORK ORDER NO.	LABORATORY SAMPLE NUMBER
MW-30	9/2/25	9:44	MW-30	1	W	G	X										1110220	01

Relinquished by: (Signature) <u>Todd Whipple</u>	Date <u>9/2/25</u>	Received by: (Signature) <u>Amy Hochstetler</u>	Date <u>9/2/25</u>	Turn-Around: ☐ Standard ☐ Rush Contact Lab Prior to Submission
	Time <u>16:36</u>		Time <u>16:36</u>	
Relinquished by: (Signature)	Date	Received for Lab by: (Signature)	Date	Remarks:
	Time		Time	



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11L0925

Project Description

6005

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Wednesday, December 31, 2025

Please find enclosed the analytical results for the samples you submitted to Microbac Laboratories. Review and compilation of your report was completed by Microbac Laboratories, Inc., Newton. If you have any questions, comments, or require further assistance regarding this report, please contact your service representative listed above.

I certify that all test results meet all of the requirements of the accrediting authority listed within this report. Analytical results are reported on a 'as received' basis unless specified otherwise. Analytical results for solids with units ending in (dry) are reported on a dry weight basis. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of Microbac Laboratories. The reported results are related only to the samples analyzed as received.

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CERTIFICATE OF ANALYSIS

1IL0925

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: 6005

Project / PO Number: N/A
Received: 12/10/2025
Reported: 12/31/2025

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-42	1IL0925-01	Aqueous	GRAB		12/09/25 10:32	12/10/25 09:34
MW-11 (up)	1IL0925-02	Aqueous	GRAB		12/09/25 09:13	12/10/25 09:34
MW-13 (up)	1IL0925-03	Aqueous	GRAB		12/10/25 08:46	12/10/25 09:34
MW-15	1IL0925-04	Aqueous	GRAB		12/09/25 13:04	12/10/25 09:34
MW-16	1IL0925-05	Aqueous	GRAB		12/09/25 13:14	12/10/25 09:34
MW-18	1IL0925-06	Aqueous	GRAB		12/09/25 13:36	12/10/25 09:34
MW-20-2	1IL0925-07	Aqueous	GRAB		12/09/25 10:11	12/10/25 09:34
MW-20-6	1IL0925-08	Aqueous	GRAB		12/09/25 09:56	12/10/25 09:34
MW-22-2	1IL0925-09	Aqueous	GRAB		12/09/25 09:44	12/10/25 09:34
MW-23	1IL0925-10	Aqueous	GRAB		12/09/25 10:50	12/10/25 09:34
MW-28 (up)	1IL0925-11	Aqueous	GRAB		12/09/25 11:12	12/10/25 09:34
MW-30	1IL0925-12	Aqueous	GRAB		12/09/25 11:53	12/10/25 09:34
MW-41	1IL0925-13	Aqueous	GRAB		12/09/25 14:01	12/10/25 09:34
MW-40	1IL0925-14	Aqueous	GRAB		12/09/25 11:31	12/10/25 09:34
Field Duplicate	1IL0925-15	Aqueous	GRAB		12/09/25 10:11	12/10/25 09:34
MW-43	1IL0925-16	Aqueous	GRAB		12/09/25 12:06	12/10/25 09:34
GU-6	1IL0925-17	Aqueous	GRAB		12/09/25 12:20	12/10/25 09:34



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CERTIFICATE OF ANALYSIS

11L0925

Analytical Testing Parameters

Client Sample ID: MW-42
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-01

Collected By: JGH
Collection Date: 12/09/2025 10:32

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Vinyl Chloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Bromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Chloroethane	10.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Acetone	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Methyl Iodide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Carbon Disulfide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Methylene Chloride	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Acrylonitrile	<5.0	5.0	ug/L		12/12/25 0000	12/12/25 1354	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
1,1-Dichloroethane	2.5	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Vinyl Acetate	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
cis-1,2-Dichloroethylene	10.1	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Bromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Chloroform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Benzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Trichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Dibromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Bromodichloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Toluene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Dibromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Chlorobenzene	2.7	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Ethylbenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Xylenes, total	<2.0	2.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Styrene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-42
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-01

Collected By: JGH
Collection Date: 12/09/2025 10:32

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Bromoform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1503	RAF
Surrogate: Dibromofluoromethane	90.5	Limit: 57-128	% Rec		12/12/25 0000	12/12/25 1354	RAF
Surrogate: Dibromofluoromethane	95.5	Limit: 75-136	% Rec		12/17/25 0000	12/17/25 1503	RAF
Surrogate: 1,2-Dichloroethane-d4	96.3	Limit: 61-142	% Rec		12/17/25 0000	12/17/25 1503	RAF
Surrogate: 1,2-Dichloroethane-d4	79.6	Limit: 49-135	% Rec		12/12/25 0000	12/12/25 1354	RAF
Surrogate: Toluene-d8	100	Limit: 82-116	% Rec		12/12/25 0000	12/12/25 1354	RAF
Surrogate: Toluene-d8	98.1	Limit: 82-121	% Rec		12/17/25 0000	12/17/25 1503	RAF
Surrogate: 4-Bromofluorobenzene	97.8	Limit: 80-116	% Rec		12/17/25 0000	12/17/25 1503	RAF
Surrogate: 4-Bromofluorobenzene	92.7	Limit: 77-114	% Rec		12/12/25 0000	12/12/25 1354	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2235	JAR
Arsenic	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2235	JAR
Barium	0.405	0.0010	mg/L	M1	12/15/25 0716	12/16/25 2235	JAR
Beryllium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2235	JAR
Cadmium	0.0003	0.0002	mg/L		12/15/25 0716	12/16/25 2235	JAR
Chromium	0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2235	JAR
Cobalt	0.0034	0.0005	mg/L		12/15/25 0716	12/16/25 2235	JAR
Copper	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2235	JAR
Lead	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2235	JAR
Nickel	0.0119	0.0050	mg/L		12/15/25 0716	12/16/25 2235	JAR
Selenium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2235	JAR
Silver	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2235	JAR
Thallium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2235	JAR
Vanadium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2235	JAR
Zinc	0.0054	0.0050	mg/L		12/18/25 0949	12/18/25 1942	RVV

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-11 (up)
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-02

Collected By: JGH
Collection Date: 12/09/2025 9:13

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Vinyl Chloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Bromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Chloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Acetone	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Methyl Iodide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Carbon Disulfide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Methylene Chloride	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Acrylonitrile	<5.0	5.0	ug/L		12/12/25 0000	12/12/25 1419	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Vinyl Acetate	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Bromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Chloroform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Benzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Trichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Dibromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Bromodichloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Toluene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Dibromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Chlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Ethylbenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Xylenes, total	<2.0	2.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Styrene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Bromoform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-11 (up)

Sample Matrix: Aqueous

Lab Sample ID: 11L0925-02

Collected By: JGH

Collection Date: 12/09/2025 9:13

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1526	RAF
Surrogate: Dibromofluoromethane	95.4	Limit: 75-136	% Rec		12/17/25 0000	12/17/25 1526	RAF
Surrogate: Dibromofluoromethane	90.9	Limit: 57-128	% Rec		12/12/25 0000	12/12/25 1419	RAF
Surrogate: 1,2-Dichloroethane-d4	96.9	Limit: 61-142	% Rec		12/17/25 0000	12/17/25 1526	RAF
Surrogate: 1,2-Dichloroethane-d4	80.5	Limit: 49-135	% Rec		12/12/25 0000	12/12/25 1419	RAF
Surrogate: Toluene-d8	98.4	Limit: 82-121	% Rec		12/17/25 0000	12/17/25 1526	RAF
Surrogate: Toluene-d8	98.5	Limit: 82-116	% Rec		12/12/25 0000	12/12/25 1419	RAF
Surrogate: 4-Bromofluorobenzene	97.2	Limit: 80-116	% Rec		12/17/25 0000	12/17/25 1526	RAF
Surrogate: 4-Bromofluorobenzene	96.6	Limit: 77-114	% Rec		12/12/25 0000	12/12/25 1419	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2245	JAR
Arsenic	0.0066	0.0020	mg/L		12/15/25 0716	12/16/25 2245	JAR
Barium	0.245	0.0010	mg/L		12/15/25 0716	12/16/25 2245	JAR
Beryllium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2245	JAR
Cadmium	0.0013	0.0002	mg/L		12/15/25 0716	12/16/25 2245	JAR
Chromium	0.0019	0.0010	mg/L		12/15/25 0716	12/16/25 2245	JAR
Cobalt	0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2245	JAR
Copper	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2245	JAR
Lead	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2245	JAR
Nickel	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2245	JAR
Selenium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2245	JAR
Silver	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2245	JAR
Thallium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2245	JAR
Vanadium	0.0036	0.0020	mg/L		12/15/25 0716	12/16/25 2245	JAR
Zinc	0.0098	0.0050	mg/L		12/18/25 0949	12/18/25 1957	RVV

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-13 (up)
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-03

Collected By: JGH
Collection Date: 12/10/2025 8:46

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Vinyl Chloride	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Bromomethane	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Chloroethane	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Acetone	<10.0	10.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Methyl Iodide	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Carbon Disulfide	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Methylene Chloride	<5.0	5.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Acrylonitrile	<5.0	5.0	ug/L		12/12/25 0000	12/12/25 1444	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Vinyl Acetate	<5.0	5.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Bromochloromethane	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Chloroform	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Benzene	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Trichloroethylene	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Dibromomethane	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Bromodichloromethane	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Toluene	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Dibromochloromethane	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Chlorobenzene	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Ethylbenzene	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Xylenes, total	<2.0	2.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Styrene	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Bromoform	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-13 (up)
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-03

Collected By: JGH
Collection Date: 12/10/2025 8:46

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		12/18/25 0000	12/18/25 1728	RAF
Surrogate: Dibromofluoromethane	92.3	Limit: 57-128	% Rec		12/12/25 0000	12/12/25 1444	RAF
Surrogate: Dibromofluoromethane	89.4	Limit: 75-136	% Rec		12/18/25 0000	12/18/25 1728	RAF
Surrogate: 1,2-Dichloroethane-d4	80.4	Limit: 49-135	% Rec		12/12/25 0000	12/12/25 1444	RAF
Surrogate: 1,2-Dichloroethane-d4	92.0	Limit: 61-142	% Rec		12/18/25 0000	12/18/25 1728	RAF
Surrogate: Toluene-d8	92.5	Limit: 82-116	% Rec		12/12/25 0000	12/12/25 1444	RAF
Surrogate: Toluene-d8	97.2	Limit: 82-121	% Rec		12/18/25 0000	12/18/25 1728	RAF
Surrogate: 4-Bromofluorobenzene	89.0	Limit: 77-114	% Rec		12/12/25 0000	12/12/25 1444	RAF
Surrogate: 4-Bromofluorobenzene	96.6	Limit: 80-116	% Rec		12/18/25 0000	12/18/25 1728	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2247	JAR
Arsenic	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2247	JAR
Barium	0.107	0.0010	mg/L		12/15/25 0716	12/16/25 2247	JAR
Beryllium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2247	JAR
Cadmium	0.0006	0.0002	mg/L		12/15/25 0716	12/16/25 2247	JAR
Chromium	0.0022	0.0010	mg/L		12/15/25 0716	12/16/25 2247	JAR
Cobalt	0.0010	0.0005	mg/L		12/15/25 0716	12/16/25 2247	JAR
Copper	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2247	JAR
Lead	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2247	JAR
Nickel	0.0162	0.0050	mg/L		12/15/25 0716	12/16/25 2247	JAR
Selenium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2247	JAR
Silver	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2247	JAR
Thallium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2247	JAR
Vanadium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2247	JAR
Zinc	0.0102	0.0050	mg/L		12/18/25 0949	12/18/25 1959	RVV

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-15
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-04

Collected By: JGH
Collection Date: 12/09/2025 13:04

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Dichlorodifluoromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Chloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Vinyl Chloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Bromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Chloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Acrolein	<10.0	10.0	ug/L		12/12/25 0000	12/12/25 1510	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Acetone	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Methyl Iodide	<2.0	2.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Carbon Disulfide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Acetonitrile	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Methylene Chloride	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Acrylonitrile	<5.0	5.0	ug/L		12/12/25 0000	12/12/25 1510	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Vinyl Acetate	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
2,2-Dichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
2-Butanone (MEK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Bromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Chloroform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
1,1-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Benzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Trichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Dibromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Bromodichloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Toluene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Ethyl Methacrylate	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
1,3-Dichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Dibromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-15
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-04

Collected By: JGH
Collection Date: 12/09/2025 13:04

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Chlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Ethylbenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Xylenes, total	<2.0	2.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Styrene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Bromoform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
1,3-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1549	RAF
Allyl chloride	<1.0	1.0	ug/L		12/22/25 0000	12/22/25 1526	RAF
Chloroprene	<1.0	1.0	ug/L		12/22/25 0000	12/22/25 1526	RAF
Methacrylonitrile	<1.0	1.0	ug/L		12/22/25 0000	12/22/25 1526	RAF
Methyl Methacrylate	<1.0	1.0	ug/L		12/22/25 0000	12/22/25 1526	RAF
Propionitrile	<10.0	10.0	ug/L		12/22/25 0000	12/22/25 1526	RAF
Surrogate: Dibromofluoromethane	97.5	Limit: 57-128	% Rec		12/17/25 0000	12/17/25 1549	RAF
Surrogate: Dibromofluoromethane	102	Limit: 57-128	% Rec		12/22/25 0000	12/22/25 1526	RAF
Surrogate: 1,2-Dichloroethane-d4	95.0	Limit: 49-135	% Rec		12/17/25 0000	12/17/25 1549	RAF
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 49-135	% Rec		12/22/25 0000	12/22/25 1526	RAF
Surrogate: 1,2-Dichloroethane-d4	81.1	Limit: 49-135	% Rec		12/12/25 0000	12/12/25 1510	RAF
Surrogate: Toluene-d8	74.3	Limit: 82-116	% Rec	S2	12/17/25 0000	12/17/25 1549	RAF
Surrogate: Toluene-d8	97.6	Limit: 82-116	% Rec		12/12/25 0000	12/12/25 1510	RAF
Surrogate: Toluene-d8	99.5	Limit: 82-116	% Rec		12/22/25 0000	12/22/25 1526	RAF
Surrogate: 4-Bromofluorobenzene	98.7	Limit: 77-114	% Rec		12/17/25 0000	12/17/25 1549	RAF
Surrogate: 4-Bromofluorobenzene	98.2	Limit: 77-114	% Rec		12/22/25 0000	12/22/25 1526	RAF
Surrogate: 4-Bromofluorobenzene	98.5	Limit: 77-114	% Rec		12/12/25 0000	12/12/25 1510	RAF
Inorganics Total	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 9014							
Cyanide, total	<0.010	0.010	mg/L		12/12/25 1056	12/16/25 1006	CJF
Determination of General Solvents	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 8015C							
Isobutanol	<1.0	1.0	mg/L		12/23/25 1632	12/23/25 2308	PDS
Metals Total by AA	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 7470A							
Mercury	<0.00050	0.00050	mg/L		12/16/25 0619	12/17/25 0829	JAR



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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-15
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-04

Collected By: JGH
Collection Date: 12/09/2025 13:04

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3510C/EPA 8270C							
N-Nitrosodimethylamine	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Methyl Methanesulfonate	<8	8	ug/L	S	12/15/25 1418	12/29/25 0925	EPP
N-Nitrosodiethylamine	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
N-Nitrosomethylethylamine	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Ethyl Methanesulfonate	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Phenol	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Bis(2-Chloroethyl) Ether	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
2-Chlorophenol	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Benzyl Alcohol	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
2-Methylphenol (o-Cresol)	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Bis[2-Chloroisopropyl]ether	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
n-Nitroso-di-n-propylamine	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
N-Nitrosopyrrolidine	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Acetophenone	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
o-Toluidine	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
(3 & 4)-Methylphenol	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Hexachloroethane	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Nitrobenzene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
N-Nitrosopiperidine	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Isophorone	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
2-Nitrophenol	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
2,4-Dimethylphenol	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Bis (2-Chloroethoxy) Methane	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
2,4-Dichlorophenol	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Naphthalene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
4-Chloroaniline	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
2,6-Dichlorophenol	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Hexachloropropene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Hexachlorobutadiene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
N-Nitrosodi-n-butylamine	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
1,4-Phenylenediamine	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
4-Chloro-3-methylphenol	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
2-Methylnaphthalene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Isosafrole	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Hexachlorocyclopentadiene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
2,4,6-Trichlorophenol	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
2,4,5-Trichlorophenol	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Safrole	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
2-Chloronaphthalene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
2-Nitroaniline	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
1,4-Naphthoquinone	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-15
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-04

Collected By: JGH
Collection Date: 12/09/2025 13:04

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Dimethylphthalate	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
1,3-Dinitrobenzene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
1,2-Dinitrobenzene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
2,6-Dinitrotoluene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Acenaphthylene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
3-Nitroaniline	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Acenaphthene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
2,4-Dinitrophenol	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
4-Nitrophenol	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Dibenzofuran	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
2,4-Dinitrotoluene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
2,3,4,6-Tetrachlorophenol	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Pentachlorobenzene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
1-Naphthylamine	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
2-Naphthylamine	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Diethyl Phthalate	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Fluorene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
4-Chlorophenyl Phenyl Ether	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
4-Nitroaniline	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
5-Nitro-o-toluidine	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
4,6-Dinitro-2-methylphenol	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
N-Nitrosodiphenylamine	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Diphenylamine	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Azobenzene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Diallate	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
1,3,5-Trinitrobenzene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Phenacetin	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
4-Bromophenyl Phenyl Ether	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
4-Aminobiphenyl	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Pentachlorophenol	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Pronamide	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Pentachloronitrobenzene (PCNB)	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Phenanthrene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Anthracene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Di-n-butyl Phthalate	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Methapyrilene	<8	8	ug/L	S	12/15/25 1418	12/29/25 0925	EPP
Fluoranthene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Isodrin	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Chlorobenzilate	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Pyrene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
p-(Dimethylamino)azobenzene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
3,3-Dimethylbenzidine	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Butyl Benzyl Phthalate	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-15
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-04

Collected By: JGH
Collection Date: 12/09/2025 13:04

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Benzo(a)anthracene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Chrysene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Bis(2-Ethylhexyl) Phthalate	<6	6	ug/L		12/15/25 1418	12/29/25 0925	EPP
Kepone	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
3,3'-Dichlorobenzidine	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
2-Acetylaminofluorene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Di-n-octyl Phthalate	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Benzo(b)Fluoranthene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
7,12-Dimethylbenz [a] anthracene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Benzo(k)Fluoranthene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Benzo(a)Pyrene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
3-Methylcholanthrene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Dibenzo(a,h)anthracene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Indeno(1,2,3-cd)Pyrene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Benzo(g,h,i)perylene	<8	8	ug/L		12/15/25 1418	12/29/25 0925	EPP
Surrogate: 2-Fluorophenol	37.4	Limit: 10-159	% Rec		12/15/25 1418	12/29/25 0925	EPP
Surrogate: Phenol-d6	23.8	Limit: 10-162	% Rec		12/15/25 1418	12/29/25 0925	EPP
Surrogate: Nitrobenzene-d5	68.3	Limit: 17-154	% Rec		12/15/25 1418	12/29/25 0925	EPP
Surrogate: 2-Fluorobiphenyl	72.1	Limit: 15-150	% Rec		12/15/25 1418	12/29/25 0925	EPP
Surrogate: 2,4,6-Tribromophenol	131	Limit: 10-156	% Rec		12/15/25 1418	12/29/25 0925	EPP
Surrogate: Terphenyl-dl4	99.9	Limit: 10-179	% Rec		12/15/25 1418	12/29/25 0925	EPP

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2250	JAR
Arsenic	0.0055	0.0020	mg/L		12/15/25 0716	12/16/25 2250	JAR
Barium	0.0380	0.0010	mg/L		12/15/25 0716	12/16/25 2250	JAR
Beryllium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2250	JAR
Cadmium	0.0005	0.0002	mg/L		12/15/25 0716	12/16/25 2250	JAR
Chromium	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2250	JAR
Cobalt	0.0024	0.0005	mg/L		12/15/25 0716	12/16/25 2250	JAR
Copper	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2250	JAR
Lead	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2250	JAR
Nickel	0.0076	0.0050	mg/L		12/15/25 0716	12/16/25 2250	JAR
Selenium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2250	JAR
Silver	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2250	JAR
Thallium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2250	JAR
Tin	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2250	JAR
Vanadium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2250	JAR
Zinc	0.0070	0.0050	mg/L		12/18/25 0949	12/18/25 2002	RVV

Determination of Organophosphorus Insecticides	Result	RL	Units	Note	Prepared	Analyzed	Analyst



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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-15
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-04

Collected By: JGH
Collection Date: 12/09/2025 13:04

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		12/12/25 1458	12/23/25 1510	EPP
Thionazin	<0.4	0.4	ug/L		12/12/25 1458	12/23/25 1510	EPP
Phorate	<0.4	0.4	ug/L		12/12/25 1458	12/23/25 1510	EPP
Dimethoate	<0.4	0.4	ug/L		12/12/25 1458	12/23/25 1510	EPP
Disulfoton	<0.4	0.4	ug/L		12/12/25 1458	12/23/25 1510	EPP
Methyl Parathion	<0.4	0.4	ug/L		12/12/25 1458	12/23/25 1510	EPP
Parathion	<0.4	0.4	ug/L		12/12/25 1458	12/23/25 1510	EPP
Famphur	<0.4	0.4	ug/L		12/12/25 1458	12/23/25 1510	EPP
Surrogate: 2-Nitro-m-xylene	61.4	Limit: 32-110	% Rec		12/12/25 1458	12/23/25 1510	EPP

Determination of Chlorinated Phenoxy
Herbicides

Result RL Units Note Prepared Analyzed Analyst

EPA 8151A

2,4-D	<2.0	2.0	ug/L		12/16/25 1306	12/22/25 2227	EPP
2,4,5-TP (Silvex)	<0.5	0.5	ug/L		12/16/25 1306	12/22/25 2227	EPP
2,4,5-T	<0.5	0.5	ug/L		12/16/25 1306	12/22/25 2227	EPP
Dinoseb	<0.5	0.5	ug/L		12/16/25 1306	12/22/25 2227	EPP
Surrogate: 2,5-Dichlorobenzoic Acid	127	Limit: 49-174	% Rec		12/16/25 1306	12/22/25 2227	EPP

Determination of Organochlorine Insecticides
& Metabolites

Result RL Units Note Prepared Analyzed Analyst

EPA 3510C/EPA 8081A

Alpha-BHC	<0.05	0.05	ug/L		12/12/25 1459	12/23/25 1204	EPP
Gamma-BHC [Lindane]	<0.05	0.05	ug/L		12/12/25 1459	12/23/25 1204	EPP
Beta-BHC	<0.05	0.05	ug/L		12/12/25 1459	12/23/25 1204	EPP
Heptachlor	<0.05	0.05	ug/L		12/12/25 1459	12/23/25 1204	EPP
Delta-BHC	<0.05	0.05	ug/L		12/12/25 1459	12/23/25 1204	EPP
Aldrin	<0.05	0.05	ug/L		12/12/25 1459	12/23/25 1204	EPP
Heptachlor Epoxide	<0.05	0.05	ug/L		12/12/25 1459	12/23/25 1204	EPP
Endosulfan I	<0.05	0.05	ug/L		12/12/25 1459	12/23/25 1204	EPP
4,4'-DDE	<0.05	0.05	ug/L		12/12/25 1459	12/23/25 1204	EPP
Dieldrin	<0.05	0.05	ug/L		12/12/25 1459	12/23/25 1204	EPP
Endrin	<0.05	0.05	ug/L		12/12/25 1459	12/23/25 1204	EPP
4,4'-DDD	<0.05	0.05	ug/L		12/12/25 1459	12/23/25 1204	EPP
Endosulfan II	<0.05	0.05	ug/L		12/12/25 1459	12/23/25 1204	EPP
4,4'-DDT	<0.05	0.05	ug/L		12/12/25 1459	12/23/25 1204	EPP
Endrin Aldehyde	<0.05	0.05	ug/L		12/12/25 1459	12/23/25 1204	EPP
Endosulfan Sulfate	<0.05	0.05	ug/L		12/12/25 1459	12/23/25 1204	EPP
Methoxychlor	<0.05	0.05	ug/L		12/12/25 1459	12/23/25 1204	EPP
Chlordane	<0.10	0.10	ug/L		12/12/25 1459	12/23/25 1204	EPP
Toxaphene	<0.20	0.20	ug/L		12/12/25 1459	12/23/25 1204	EPP
Hexachlorobenzene	<0.05	0.05	ug/L		12/12/25 1459	12/23/25 1204	EPP

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-15
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-04

Collected By: JGH
Collection Date: 12/09/2025 13:04

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

Surrogate: Tetrachloro-m-xylene	73.7	Limit: 45-111	% Rec		12/12/25 1459	12/23/25 1204	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		12/12/25 1500	12/23/25 1204	EPP
Arochlor 1221	<0.20	0.20	ug/L		12/12/25 1500	12/23/25 1204	EPP
Arochlor 1232	<0.20	0.20	ug/L		12/12/25 1500	12/23/25 1204	EPP
Arochlor 1242	<0.20	0.20	ug/L		12/12/25 1500	12/23/25 1204	EPP
Arochlor 1248	<0.20	0.20	ug/L		12/12/25 1500	12/23/25 1204	EPP
Arochlor 1254	<0.20	0.20	ug/L		12/12/25 1500	12/23/25 1204	EPP
Arochlor 1260	<0.20	0.20	ug/L		12/12/25 1500	12/23/25 1204	EPP
Surrogate: Tetrachloro-m-xylene	69.2	Limit: 50-116	% Rec		12/12/25 1500	12/23/25 1204	EPP
Surrogate: Decachlorobiphenyl	53.7	Limit: 38-122	% Rec		12/12/25 1500	12/23/25 1204	EPP

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 376.2

Sulfide, total	0.32	0.10	mg/L		12/11/25 0905	12/12/25 1046	CJF

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-16
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-05

Collected By: JGH
Collection Date: 12/09/2025 13:14

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Vinyl Chloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Bromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Chloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Acetone	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Methyl Iodide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Carbon Disulfide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Methylene Chloride	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Acrylonitrile	<5.0	5.0	ug/L		12/12/25 0000	12/12/25 1535	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Vinyl Acetate	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Bromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Chloroform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Benzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Trichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Dibromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Bromodichloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Toluene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Dibromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Chlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Ethylbenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Xylenes, total	<2.0	2.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Styrene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Bromoform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-16
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-05

Collected By: JGH
Collection Date: 12/09/2025 13:14

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1612	RAF
Surrogate: Dibromofluoromethane	93.9	Limit: 75-136	% Rec		12/17/25 0000	12/17/25 1612	RAF
Surrogate: Dibromofluoromethane	93.3	Limit: 57-128	% Rec		12/12/25 0000	12/12/25 1535	RAF
Surrogate: 1,2-Dichloroethane-d4	80.7	Limit: 49-135	% Rec		12/12/25 0000	12/12/25 1535	RAF
Surrogate: 1,2-Dichloroethane-d4	94.4	Limit: 61-142	% Rec		12/17/25 0000	12/17/25 1612	RAF
Surrogate: Toluene-d8	98.3	Limit: 82-121	% Rec		12/17/25 0000	12/17/25 1612	RAF
Surrogate: Toluene-d8	96.4	Limit: 82-116	% Rec		12/12/25 0000	12/12/25 1535	RAF
Surrogate: 4-Bromofluorobenzene	98.4	Limit: 77-114	% Rec		12/12/25 0000	12/12/25 1535	RAF
Surrogate: 4-Bromofluorobenzene	97.2	Limit: 80-116	% Rec		12/17/25 0000	12/17/25 1612	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2252	JAR
Arsenic	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2252	JAR
Barium	0.0397	0.0010	mg/L		12/15/25 0716	12/16/25 2252	JAR
Beryllium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2252	JAR
Cadmium	0.0003	0.0002	mg/L		12/15/25 0716	12/16/25 2252	JAR
Chromium	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2252	JAR
Cobalt	0.0017	0.0005	mg/L		12/15/25 0716	12/16/25 2252	JAR
Copper	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2252	JAR
Lead	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2252	JAR
Nickel	0.0081	0.0050	mg/L		12/15/25 0716	12/16/25 2252	JAR
Selenium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2252	JAR
Silver	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2252	JAR
Thallium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2252	JAR
Vanadium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2252	JAR
Zinc	0.0053	0.0050	mg/L		12/18/25 0949	12/18/25 2004	RVV

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-18
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-06

Collected By: JGH
Collection Date: 12/09/2025 13:36

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Vinyl Chloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Bromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Chloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Acetone	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Methyl Iodide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Carbon Disulfide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Methylene Chloride	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Acrylonitrile	<5.0	5.0	ug/L		12/12/25 0000	12/12/25 1600	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Vinyl Acetate	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Bromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Chloroform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Benzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Trichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Dibromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Bromodichloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Toluene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Dibromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Chlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Ethylbenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Xylenes, total	<2.0	2.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Styrene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Bromoform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-18
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-06

Collected By: JGH
Collection Date: 12/09/2025 13:36

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1635	RAF
Surrogate: Dibromofluoromethane	91.5	Limit: 75-136	% Rec		12/17/25 0000	12/17/25 1635	RAF
Surrogate: Dibromofluoromethane	92.7	Limit: 57-128	% Rec		12/12/25 0000	12/12/25 1600	RAF
Surrogate: 1,2-Dichloroethane-d4	94.2	Limit: 61-142	% Rec		12/17/25 0000	12/17/25 1635	RAF
Surrogate: 1,2-Dichloroethane-d4	82.9	Limit: 49-135	% Rec		12/12/25 0000	12/12/25 1600	RAF
Surrogate: Toluene-d8	99.2	Limit: 82-121	% Rec		12/17/25 0000	12/17/25 1635	RAF
Surrogate: Toluene-d8	92.5	Limit: 82-116	% Rec		12/12/25 0000	12/12/25 1600	RAF
Surrogate: 4-Bromofluorobenzene	97.2	Limit: 80-116	% Rec		12/17/25 0000	12/17/25 1635	RAF
Surrogate: 4-Bromofluorobenzene	98.1	Limit: 77-114	% Rec		12/12/25 0000	12/12/25 1600	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2300	JAR
Arsenic	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2300	JAR
Barium	0.315	0.0010	mg/L		12/15/25 0716	12/16/25 2300	JAR
Beryllium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2300	JAR
Cadmium	0.0004	0.0002	mg/L		12/15/25 0716	12/16/25 2300	JAR
Chromium	0.0011	0.0010	mg/L		12/15/25 0716	12/16/25 2300	JAR
Cobalt	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2300	JAR
Copper	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2300	JAR
Lead	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2300	JAR
Nickel	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2300	JAR
Selenium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2300	JAR
Silver	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2300	JAR
Thallium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2300	JAR
Vanadium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2300	JAR
Zinc	0.0074	0.0050	mg/L		12/18/25 0949	12/18/25 2007	RVV

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-20-2
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-07

Collected By: JGH
Collection Date: 12/09/2025 10:11

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Vinyl Chloride	2.5	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Bromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Chloroethane	23.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Trichlorofluoromethane	1.2	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Acetone	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Methyl Iodide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Carbon Disulfide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Methylene Chloride	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Acrylonitrile	<5.0	5.0	ug/L		12/12/25 0000	12/12/25 1625	RAF
trans-1,2-Dichloroethylene	2.1	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
1,1-Dichloroethane	148	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Vinyl Acetate	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
cis-1,2-Dichloroethylene	22.4	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Bromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Chloroform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Benzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Trichloroethylene	1.3	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Dibromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Bromodichloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Toluene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Dibromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Chlorobenzene	3.4	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Ethylbenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Xylenes, total	<2.0	2.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Styrene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Bromoform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-20-2
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-07

Collected By: JGH
Collection Date: 12/09/2025 10:11

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
1,4-Dichlorobenzene	1.1	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1658	RAF
Surrogate: Dibromofluoromethane	93.2	Limit: 75-136	% Rec		12/17/25 0000	12/17/25 1658	RAF
Surrogate: Dibromofluoromethane	90.9	Limit: 57-128	% Rec		12/12/25 0000	12/12/25 1625	RAF
Surrogate: 1,2-Dichloroethane-d4	93.3	Limit: 61-142	% Rec		12/17/25 0000	12/17/25 1658	RAF
Surrogate: 1,2-Dichloroethane-d4	78.7	Limit: 49-135	% Rec		12/12/25 0000	12/12/25 1625	RAF
Surrogate: Toluene-d8	97.8	Limit: 82-121	% Rec		12/17/25 0000	12/17/25 1658	RAF
Surrogate: Toluene-d8	107	Limit: 82-116	% Rec		12/12/25 0000	12/12/25 1625	RAF
Surrogate: 4-Bromofluorobenzene	96.0	Limit: 80-116	% Rec		12/17/25 0000	12/17/25 1658	RAF
Surrogate: 4-Bromofluorobenzene	95.8	Limit: 77-114	% Rec		12/12/25 0000	12/12/25 1625	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2303	JAR
Arsenic	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2303	JAR
Barium	0.216	0.0010	mg/L		12/15/25 0716	12/16/25 2303	JAR
Beryllium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2303	JAR
Cadmium	0.0007	0.0002	mg/L		12/15/25 0716	12/16/25 2303	JAR
Chromium	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2303	JAR
Cobalt	0.0010	0.0005	mg/L		12/15/25 0716	12/16/25 2303	JAR
Copper	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2303	JAR
Lead	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2303	JAR
Nickel	0.0122	0.0050	mg/L		12/15/25 0716	12/16/25 2303	JAR
Selenium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2303	JAR
Silver	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2303	JAR
Thallium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2303	JAR
Vanadium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2303	JAR
Zinc	0.0069	0.0050	mg/L		12/18/25 0949	12/18/25 2009	RVV

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-20-6
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-08

Collected By: JGH
Collection Date: 12/09/2025 9:56

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Vinyl Chloride	1.8	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Bromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Chloroethane	22.6	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Trichlorofluoromethane	12.2	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Acetone	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Methyl Iodide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Carbon Disulfide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Methylene Chloride	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Acrylonitrile	<5.0	5.0	ug/L		12/12/25 0000	12/12/25 1651	RAF
trans-1,2-Dichloroethylene	1.8	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
1,1-Dichloroethane	196	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Vinyl Acetate	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
cis-1,2-Dichloroethylene	42.9	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Bromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Chloroform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Benzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
1,2-Dichloroethane	2.2	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Trichloroethylene	10.1	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
1,2-Dichloropropane	1.6	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Dibromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Bromodichloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Toluene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Tetrachloroethylene	7.4	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Dibromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Chlorobenzene	2.9	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Ethylbenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Xylenes, total	<2.0	2.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Styrene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Bromoform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-20-6
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-08

Collected By: JGH
Collection Date: 12/09/2025 9:56

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1720	RAF
Surrogate: Dibromofluoromethane	96.2	Limit: 75-136	% Rec		12/17/25 0000	12/17/25 1720	RAF
Surrogate: Dibromofluoromethane	91.7	Limit: 57-128	% Rec		12/12/25 0000	12/12/25 1651	RAF
Surrogate: 1,2-Dichloroethane-d4	106	Limit: 61-142	% Rec		12/17/25 0000	12/17/25 1720	RAF
Surrogate: 1,2-Dichloroethane-d4	81.4	Limit: 49-135	% Rec		12/12/25 0000	12/12/25 1651	RAF
Surrogate: Toluene-d8	83.4	Limit: 82-121	% Rec		12/17/25 0000	12/17/25 1720	RAF
Surrogate: Toluene-d8	93.5	Limit: 82-116	% Rec		12/12/25 0000	12/12/25 1651	RAF
Surrogate: 4-Bromofluorobenzene	96.3	Limit: 80-116	% Rec		12/17/25 0000	12/17/25 1720	RAF
Surrogate: 4-Bromofluorobenzene	95.5	Limit: 77-114	% Rec		12/12/25 0000	12/12/25 1651	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2305	JAR
Arsenic	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2305	JAR
Barium	0.238	0.0010	mg/L		12/15/25 0716	12/16/25 2305	JAR
Beryllium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2305	JAR
Cadmium	0.0004	0.0002	mg/L		12/15/25 0716	12/16/25 2305	JAR
Chromium	0.0020	0.0010	mg/L		12/15/25 0716	12/16/25 2305	JAR
Cobalt	0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2305	JAR
Copper	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2305	JAR
Lead	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2305	JAR
Nickel	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2305	JAR
Selenium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2305	JAR
Silver	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2305	JAR
Thallium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2305	JAR
Vanadium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2305	JAR
Zinc	0.0078	0.0050	mg/L		12/18/25 0949	12/18/25 2012	RVV

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-22-2
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-09

Collected By: JGH
Collection Date: 12/09/2025 9:44

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Vinyl Chloride	15.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Bromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Chloroethane	105	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Acetone	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Methyl Iodide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Carbon Disulfide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Methylene Chloride	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Acrylonitrile	<5.0	5.0	ug/L		12/12/25 0000	12/12/25 1716	RAF
trans-1,2-Dichloroethylene	3.4	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
1,1-Dichloroethane	139	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Vinyl Acetate	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
cis-1,2-Dichloroethylene	70.4	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Bromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Chloroform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Benzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
1,2-Dichloroethane	2.8	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Trichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Dibromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Bromodichloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Toluene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Dibromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Chlorobenzene	8.4	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Ethylbenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Xylenes, total	<2.0	2.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Styrene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Bromoform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF

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11L0925

Client Sample ID: MW-22-2
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-09

Collected By: JGH
Collection Date: 12/09/2025 9:44

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
1,4-Dichlorobenzene	2.5	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1743	RAF
Surrogate: Dibromofluoromethane	90.0	Limit: 75-136	% Rec		12/17/25 0000	12/17/25 1743	RAF
Surrogate: Dibromofluoromethane	90.5	Limit: 57-128	% Rec		12/12/25 0000	12/12/25 1716	RAF
Surrogate: 1,2-Dichloroethane-d4	82.6	Limit: 61-142	% Rec		12/17/25 0000	12/17/25 1743	RAF
Surrogate: 1,2-Dichloroethane-d4	79.8	Limit: 49-135	% Rec		12/12/25 0000	12/12/25 1716	RAF
Surrogate: Toluene-d8	97.9	Limit: 82-121	% Rec		12/17/25 0000	12/17/25 1743	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		12/12/25 0000	12/12/25 1716	RAF
Surrogate: 4-Bromofluorobenzene	99.2	Limit: 80-116	% Rec		12/17/25 0000	12/17/25 1743	RAF
Surrogate: 4-Bromofluorobenzene	95.9	Limit: 77-114	% Rec		12/12/25 0000	12/12/25 1716	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2308	JAR
Arsenic	0.0024	0.0020	mg/L		12/15/25 0716	12/16/25 2308	JAR
Barium	0.311	0.0010	mg/L		12/15/25 0716	12/16/25 2308	JAR
Beryllium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2308	JAR
Cadmium	0.0004	0.0002	mg/L		12/15/25 0716	12/16/25 2308	JAR
Chromium	0.0017	0.0010	mg/L		12/15/25 0716	12/16/25 2308	JAR
Cobalt	0.0015	0.0005	mg/L		12/15/25 0716	12/16/25 2308	JAR
Copper	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2308	JAR
Lead	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2308	JAR
Nickel	0.0101	0.0050	mg/L		12/15/25 0716	12/16/25 2308	JAR
Selenium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2308	JAR
Silver	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2308	JAR
Thallium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2308	JAR
Vanadium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2308	JAR
Zinc	0.0081	0.0050	mg/L		12/18/25 0949	12/18/25 2015	RVV

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-23
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-10

Collected By: JGH
Collection Date: 12/09/2025 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		12/17/25 0000	12/17/25 1806	RAF
Vinyl Chloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Bromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Chloroethane	12.8	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Acetone	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Methyl Iodide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Carbon Disulfide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Methylene Chloride	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Acrylonitrile	<5.0	5.0	ug/L		12/12/25 0000	12/12/25 1741	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
1,1-Dichloroethane	5.4	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Vinyl Acetate	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Bromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Chloroform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Benzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Trichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Dibromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Bromodichloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Toluene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Dibromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Chlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Ethylbenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Xylenes, total	<2.0	2.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Styrene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Bromoform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-23
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-10

Collected By: JGH
Collection Date: 12/09/2025 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		12/17/25 0000	12/17/25 1806	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1806	RAF
Surrogate: Dibromofluoromethane	91.4	Limit: 75-136	% Rec		12/17/25 0000	12/17/25 1806	RAF
Surrogate: Dibromofluoromethane	91.8	Limit: 57-128	% Rec		12/12/25 0000	12/12/25 1741	RAF
Surrogate: 1,2-Dichloroethane-d4	93.5	Limit: 61-142	% Rec		12/17/25 0000	12/17/25 1806	RAF
Surrogate: 1,2-Dichloroethane-d4	81.8	Limit: 49-135	% Rec		12/12/25 0000	12/12/25 1741	RAF
Surrogate: Toluene-d8	97.9	Limit: 82-121	% Rec		12/17/25 0000	12/17/25 1806	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec		12/12/25 0000	12/12/25 1741	RAF
Surrogate: 4-Bromofluorobenzene	96.2	Limit: 80-116	% Rec		12/17/25 0000	12/17/25 1806	RAF
Surrogate: 4-Bromofluorobenzene	97.6	Limit: 77-114	% Rec		12/12/25 0000	12/12/25 1741	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2310	JAR
Arsenic	0.0089	0.0020	mg/L		12/15/25 0716	12/16/25 2310	JAR
Barium	0.207	0.0010	mg/L		12/15/25 0716	12/16/25 2310	JAR
Beryllium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2310	JAR
Cadmium	0.0010	0.0002	mg/L		12/15/25 0716	12/16/25 2310	JAR
Chromium	0.0011	0.0010	mg/L		12/15/25 0716	12/16/25 2310	JAR
Cobalt	0.0032	0.0005	mg/L		12/15/25 0716	12/16/25 2310	JAR
Copper	0.0188	0.0050	mg/L		12/15/25 0716	12/16/25 2310	JAR
Lead	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2310	JAR
Nickel	0.0200	0.0050	mg/L		12/15/25 0716	12/16/25 2310	JAR
Selenium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2310	JAR
Silver	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2310	JAR
Thallium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2310	JAR
Vanadium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2310	JAR
Zinc	0.0101	0.0050	mg/L		12/18/25 0949	12/18/25 2022	RVV

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-28 (up)
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-11

Collected By: JGH
Collection Date: 12/09/2025 11:12

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Vinyl Chloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Bromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Chloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Acetone	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Methyl Iodide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Carbon Disulfide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Methylene Chloride	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Acrylonitrile	<5.0	5.0	ug/L		12/12/25 0000	12/12/25 1806	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Vinyl Acetate	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Bromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Chloroform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Benzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Trichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Dibromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Bromodichloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Toluene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Dibromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Chlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Ethylbenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Xylenes, total	<2.0	2.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Styrene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Bromoform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-28 (up)
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-11

Collected By: JGH
Collection Date: 12/09/2025 11:12

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1829	RAF
Surrogate: Dibromofluoromethane	95.1	Limit: 57-128	% Rec		12/12/25 0000	12/12/25 1806	RAF
Surrogate: Dibromofluoromethane	91.5	Limit: 75-136	% Rec		12/17/25 0000	12/17/25 1829	RAF
Surrogate: 1,2-Dichloroethane-d4	80.9	Limit: 49-135	% Rec		12/12/25 0000	12/12/25 1806	RAF
Surrogate: 1,2-Dichloroethane-d4	93.1	Limit: 61-142	% Rec		12/17/25 0000	12/17/25 1829	RAF
Surrogate: Toluene-d8	97.7	Limit: 82-121	% Rec		12/17/25 0000	12/17/25 1829	RAF
Surrogate: Toluene-d8	101	Limit: 82-116	% Rec		12/12/25 0000	12/12/25 1806	RAF
Surrogate: 4-Bromofluorobenzene	96.2	Limit: 77-114	% Rec		12/12/25 0000	12/12/25 1806	RAF
Surrogate: 4-Bromofluorobenzene	97.2	Limit: 80-116	% Rec		12/17/25 0000	12/17/25 1829	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2313	JAR
Arsenic	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2313	JAR
Barium	0.133	0.0010	mg/L		12/15/25 0716	12/16/25 2313	JAR
Beryllium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2313	JAR
Cadmium	0.0117	0.0002	mg/L		12/15/25 0716	12/16/25 2313	JAR
Chromium	0.0014	0.0010	mg/L		12/15/25 0716	12/16/25 2313	JAR
Cobalt	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2313	JAR
Copper	0.0124	0.0050	mg/L		12/15/25 0716	12/16/25 2313	JAR
Lead	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2313	JAR
Nickel	0.0056	0.0050	mg/L		12/15/25 0716	12/16/25 2313	JAR
Selenium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2313	JAR
Silver	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2313	JAR
Thallium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2313	JAR
Vanadium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2313	JAR
Zinc	0.0112	0.0050	mg/L		12/18/25 0949	12/18/25 2025	RVV

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-30
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-12

Collected By: JGH
Collection Date: 12/09/2025 11:53

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Vinyl Chloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Bromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Chloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Acetone	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Methyl Iodide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Carbon Disulfide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Methylene Chloride	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Acrylonitrile	<5.0	5.0	ug/L		12/12/25 0000	12/12/25 1831	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Vinyl Acetate	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Bromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Chloroform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Benzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Trichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Dibromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Bromodichloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Toluene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Dibromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Chlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Ethylbenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Xylenes, total	<2.0	2.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Styrene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Bromoform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-30
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-12

Collected By: JGH
Collection Date: 12/09/2025 11:53

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1852	RAF
Surrogate: Dibromofluoromethane	92.2	Limit: 75-136	% Rec		12/17/25 0000	12/17/25 1852	RAF
Surrogate: Dibromofluoromethane	94.5	Limit: 57-128	% Rec		12/12/25 0000	12/12/25 1831	RAF
Surrogate: 1,2-Dichloroethane-d4	93.3	Limit: 61-142	% Rec		12/17/25 0000	12/17/25 1852	RAF
Surrogate: 1,2-Dichloroethane-d4	80.7	Limit: 49-135	% Rec		12/12/25 0000	12/12/25 1831	RAF
Surrogate: Toluene-d8	97.3	Limit: 82-121	% Rec		12/17/25 0000	12/17/25 1852	RAF
Surrogate: Toluene-d8	104	Limit: 82-116	% Rec		12/12/25 0000	12/12/25 1831	RAF
Surrogate: 4-Bromofluorobenzene	96.4	Limit: 80-116	% Rec		12/17/25 0000	12/17/25 1852	RAF
Surrogate: 4-Bromofluorobenzene	96.2	Limit: 77-114	% Rec		12/12/25 0000	12/12/25 1831	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2315	JAR
Arsenic	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2315	JAR
Barium	0.0288	0.0010	mg/L		12/15/25 0716	12/16/25 2315	JAR
Beryllium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2315	JAR
Cadmium	0.0025	0.0002	mg/L		12/15/25 0716	12/16/25 2315	JAR
Chromium	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2315	JAR
Cobalt	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2315	JAR
Copper	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2315	JAR
Lead	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2315	JAR
Nickel	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2315	JAR
Selenium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2315	JAR
Silver	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2315	JAR
Thallium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2315	JAR
Vanadium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2315	JAR
Zinc	0.0076	0.0050	mg/L		12/18/25 0949	12/18/25 2027	RVV

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-41
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-13

Collected By: JGH
Collection Date: 12/09/2025 14:01

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Vinyl Chloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Bromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Chloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Acetone	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Methyl Iodide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Carbon Disulfide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Methylene Chloride	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Acrylonitrile	<5.0	5.0	ug/L		12/12/25 0000	12/12/25 1857	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Vinyl Acetate	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Bromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Chloroform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Benzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Trichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Dibromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Bromodichloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Toluene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Dibromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Chlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Ethylbenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Xylenes, total	<2.0	2.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Styrene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Bromoform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-41
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-13

Collected By: JGH
Collection Date: 12/09/2025 14:01

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1915	RAF
Surrogate: Dibromofluoromethane	89.4	Limit: 75-136	% Rec		12/17/25 0000	12/17/25 1915	RAF
Surrogate: Dibromofluoromethane	95.4	Limit: 57-128	% Rec		12/12/25 0000	12/12/25 1857	RAF
Surrogate: 1,2-Dichloroethane-d4	82.3	Limit: 49-135	% Rec		12/12/25 0000	12/12/25 1857	RAF
Surrogate: 1,2-Dichloroethane-d4	95.4	Limit: 61-142	% Rec		12/17/25 0000	12/17/25 1915	RAF
Surrogate: Toluene-d8	95.1	Limit: 82-116	% Rec		12/12/25 0000	12/12/25 1857	RAF
Surrogate: Toluene-d8	119	Limit: 82-121	% Rec		12/17/25 0000	12/17/25 1915	RAF
Surrogate: 4-Bromofluorobenzene	96.2	Limit: 77-114	% Rec		12/12/25 0000	12/12/25 1857	RAF
Surrogate: 4-Bromofluorobenzene	96.5	Limit: 80-116	% Rec		12/17/25 0000	12/17/25 1915	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2318	JAR
Arsenic	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2318	JAR
Barium	0.103	0.0010	mg/L		12/15/25 0716	12/16/25 2318	JAR
Beryllium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2318	JAR
Cadmium	0.0002	0.0002	mg/L		12/15/25 0716	12/16/25 2318	JAR
Chromium	0.0103	0.0010	mg/L		12/15/25 0716	12/16/25 2318	JAR
Cobalt	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2318	JAR
Copper	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2318	JAR
Lead	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2318	JAR
Nickel	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2318	JAR
Selenium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2318	JAR
Silver	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2318	JAR
Thallium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2318	JAR
Vanadium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2318	JAR
Zinc	<0.0050	0.0050	mg/L		12/18/25 0949	12/18/25 2030	RVV

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-40
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-14

Collected By: JGH
Collection Date: 12/09/2025 11:31

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Vinyl Chloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Bromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Chloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Acetone	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Methyl Iodide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Carbon Disulfide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Methylene Chloride	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Acrylonitrile	<5.0	5.0	ug/L		12/12/25 0000	12/12/25 1922	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Vinyl Acetate	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Bromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Chloroform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Benzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Trichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Dibromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Bromodichloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Toluene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Dibromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Chlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Ethylbenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Xylenes, total	<2.0	2.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Styrene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Bromoform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF

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11L0925

Client Sample ID: MW-40
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-14

Collected By: JGH
Collection Date: 12/09/2025 11:31

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 1938	RAF
Surrogate: Dibromofluoromethane	92.1	Limit: 75-136	% Rec		12/17/25 0000	12/17/25 1938	RAF
Surrogate: Dibromofluoromethane	94.5	Limit: 57-128	% Rec		12/12/25 0000	12/12/25 1922	RAF
Surrogate: 1,2-Dichloroethane-d4	81.1	Limit: 49-135	% Rec		12/12/25 0000	12/12/25 1922	RAF
Surrogate: 1,2-Dichloroethane-d4	93.8	Limit: 61-142	% Rec		12/17/25 0000	12/17/25 1938	RAF
Surrogate: Toluene-d8	99.7	Limit: 82-116	% Rec		12/12/25 0000	12/12/25 1922	RAF
Surrogate: Toluene-d8	97.3	Limit: 82-121	% Rec		12/17/25 0000	12/17/25 1938	RAF
Surrogate: 4-Bromofluorobenzene	94.7	Limit: 77-114	% Rec		12/12/25 0000	12/12/25 1922	RAF
Surrogate: 4-Bromofluorobenzene	96.5	Limit: 80-116	% Rec		12/17/25 0000	12/17/25 1938	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2320	JAR
Arsenic	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2320	JAR
Barium	0.0410	0.0010	mg/L		12/15/25 0716	12/16/25 2320	JAR
Beryllium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2320	JAR
Cadmium	0.0003	0.0002	mg/L		12/15/25 0716	12/16/25 2320	JAR
Chromium	0.0012	0.0010	mg/L		12/15/25 0716	12/16/25 2320	JAR
Cobalt	0.0018	0.0005	mg/L		12/15/25 0716	12/16/25 2320	JAR
Copper	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2320	JAR
Lead	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2320	JAR
Nickel	0.0054	0.0050	mg/L		12/15/25 0716	12/16/25 2320	JAR
Selenium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2320	JAR
Silver	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2320	JAR
Thallium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2320	JAR
Vanadium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2320	JAR
Zinc	0.0051	0.0050	mg/L		12/18/25 0949	12/18/25 2032	RVV

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: Field Duplicate

Sample Matrix: Aqueous

Lab Sample ID: 11L0925-15

Collected By: JGH

Collection Date: 12/09/2025 10:11

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2323	JAR
Arsenic	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2323	JAR
Barium	0.216	0.0010	mg/L		12/15/25 0716	12/16/25 2323	JAR
Beryllium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2323	JAR
Cadmium	0.0003	0.0002	mg/L		12/15/25 0716	12/16/25 2323	JAR
Chromium	0.0017	0.0010	mg/L		12/15/25 0716	12/16/25 2323	JAR
Cobalt	0.0010	0.0005	mg/L		12/15/25 0716	12/16/25 2323	JAR
Copper	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2323	JAR
Lead	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2323	JAR
Nickel	0.0125	0.0050	mg/L		12/15/25 0716	12/16/25 2323	JAR
Selenium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2323	JAR
Silver	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2323	JAR
Thallium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2323	JAR
Vanadium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2323	JAR
Zinc	0.0054	0.0050	mg/L		12/18/25 0949	12/18/25 2035	RVV

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-43
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-16

Collected By: JGH
Collection Date: 12/09/2025 12:06

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Vinyl Chloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Bromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Chloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Acetone	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Methyl Iodide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Carbon Disulfide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Methylene Chloride	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Acrylonitrile	<5.0	5.0	ug/L		12/12/25 0000	12/12/25 1947	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Vinyl Acetate	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Bromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Chloroform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Benzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Trichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Dibromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Bromodichloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Toluene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Dibromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Chlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Ethylbenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Xylenes, total	<2.0	2.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Styrene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Bromoform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: MW-43
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-16

Collected By: JGH
Collection Date: 12/09/2025 12:06

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 2000	RAF
Surrogate: Dibromofluoromethane	90.6	Limit: 75-136	% Rec		12/17/25 0000	12/17/25 2000	RAF
Surrogate: Dibromofluoromethane	94.7	Limit: 57-128	% Rec		12/12/25 0000	12/12/25 1947	RAF
Surrogate: 1,2-Dichloroethane-d4	83.4	Limit: 49-135	% Rec		12/12/25 0000	12/12/25 1947	RAF
Surrogate: 1,2-Dichloroethane-d4	92.4	Limit: 61-142	% Rec		12/17/25 0000	12/17/25 2000	RAF
Surrogate: Toluene-d8	97.7	Limit: 82-121	% Rec		12/17/25 0000	12/17/25 2000	RAF
Surrogate: Toluene-d8	100	Limit: 82-116	% Rec		12/12/25 0000	12/12/25 1947	RAF
Surrogate: 4-Bromofluorobenzene	96.1	Limit: 77-114	% Rec		12/12/25 0000	12/12/25 1947	RAF
Surrogate: 4-Bromofluorobenzene	96.4	Limit: 80-116	% Rec		12/17/25 0000	12/17/25 2000	RAF

Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2331	JAR
Arsenic	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2331	JAR
Barium	0.0192	0.0010	mg/L		12/15/25 0716	12/16/25 2331	JAR
Beryllium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2331	JAR
Cadmium	0.0008	0.0002	mg/L		12/15/25 0716	12/16/25 2331	JAR
Chromium	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2331	JAR
Cobalt	0.0063	0.0005	mg/L		12/15/25 0716	12/16/25 2331	JAR
Copper	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2331	JAR
Lead	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2331	JAR
Nickel	0.0153	0.0050	mg/L		12/15/25 0716	12/16/25 2331	JAR
Selenium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2331	JAR
Silver	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2331	JAR
Thallium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2331	JAR
Vanadium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2331	JAR
Zinc	0.0082	0.0050	mg/L		12/18/25 0949	12/18/25 2037	RVV

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: GU-6
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-17

Collected By: JGH
Collection Date: 12/09/2025 12:20

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Vinyl Chloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Bromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Chloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Acetone	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Methyl Iodide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Carbon Disulfide	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Methylene Chloride	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Acrylonitrile	<5.0	5.0	ug/L		12/12/25 0000	12/12/25 2012	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Vinyl Acetate	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Bromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Chloroform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Benzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Trichloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Dibromomethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Bromodichloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Toluene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Dibromochloromethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Chlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Ethylbenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Xylenes, total	<2.0	2.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Styrene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Bromoform	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF

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CERTIFICATE OF ANALYSIS

11L0925

Client Sample ID: GU-6
Sample Matrix: Aqueous
Lab Sample ID: 11L0925-17

Collected By: JGH
Collection Date: 12/09/2025 12:20

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		12/17/25 0000	12/17/25 2023	RAF
Surrogate: Dibromofluoromethane	96.2	Limit: 75-136	% Rec		12/17/25 0000	12/17/25 2023	RAF
Surrogate: Dibromofluoromethane	96.0	Limit: 57-128	% Rec		12/12/25 0000	12/12/25 2012	RAF
Surrogate: 1,2-Dichloroethane-d4	80.3	Limit: 61-142	% Rec		12/17/25 0000	12/17/25 2023	RAF
Surrogate: 1,2-Dichloroethane-d4	83.5	Limit: 49-135	% Rec		12/12/25 0000	12/12/25 2012	RAF
Surrogate: Toluene-d8	96.6	Limit: 82-121	% Rec		12/17/25 0000	12/17/25 2023	RAF
Surrogate: Toluene-d8	99.4	Limit: 82-116	% Rec		12/12/25 0000	12/12/25 2012	RAF
Surrogate: 4-Bromofluorobenzene	97.2	Limit: 80-116	% Rec		12/17/25 0000	12/17/25 2023	RAF
Surrogate: 4-Bromofluorobenzene	96.7	Limit: 77-114	% Rec		12/12/25 0000	12/12/25 2012	RAF
Metals Total by ICPMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2333	JAR
Arsenic	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2333	JAR
Barium	0.0713	0.0010	mg/L		12/15/25 0716	12/16/25 2333	JAR
Beryllium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2333	JAR
Cadmium	0.0002	0.0002	mg/L		12/15/25 0716	12/16/25 2333	JAR
Chromium	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2333	JAR
Cobalt	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2333	JAR
Copper	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2333	JAR
Lead	<0.0010	0.0010	mg/L		12/15/25 0716	12/16/25 2333	JAR
Nickel	0.0059	0.0050	mg/L		12/15/25 0716	12/16/25 2333	JAR
Selenium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2333	JAR
Silver	<0.0050	0.0050	mg/L		12/15/25 0716	12/16/25 2333	JAR
Thallium	<0.0005	0.0005	mg/L		12/15/25 0716	12/16/25 2333	JAR
Vanadium	<0.0020	0.0020	mg/L		12/15/25 0716	12/16/25 2333	JAR
Zinc	0.0087	0.0050	mg/L		12/18/25 0949	12/18/25 2040	RVV

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CERTIFICATE OF ANALYSIS

11L0925

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 376.2	11L0656	11L0656-MS1	11L0925-04
		11L0656-BS1	
		11L0656-MSD1	11L0925-04
		11L0925-04	MW-15
		11L0656-BLK1	
Method	Batch	Laboratory ID	Client / Source ID
EPA 9014	11L0742	11L0742-BLK1	
		11L0742-BS1	
		11L0742-MS1	11L0925-04
		11L0742-MSD1	11L0925-04
		11L0925-04	MW-15
Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	11L0746	11L0746-BS1	
		11L0746-BSD1	
		11L0746-BLK1	
		11L0925-01	MW-42
		11L0925-02	MW-11 (up)
		11L0925-03	MW-13 (up)
		11L0925-04	MW-15
		11L0925-05	MW-16
		11L0925-06	MW-18
		11L0925-07	MW-20-2
		11L0925-08	MW-20-6
		11L0925-09	MW-22-2
		11L0925-10	MW-23
		11L0925-11	MW-28 (up)
		11L0925-12	MW-30
		11L0925-13	MW-41
		11L0925-14	MW-40
		11L0925-16	MW-43
		11L0925-17	GU-6
		11L0746-MS1	11L0925-04
		11L0746-MSD1	11L0925-04
Method	Batch	Laboratory ID	Client / Source ID
EPA 8082A	11L0762	11L0762-BLK1	
		11L0925-04	MW-15
		11L0762-BS1	
		11L0762-BSD1	
Method	Batch	Laboratory ID	Client / Source ID
EPA 8081A	11L0763	11L0763-BLK1	
		11L0925-04	MW-15
		11L0763-BS1	
		11L0763-BSD1	
Method	Batch	Laboratory ID	Client / Source ID
EPA 8141	11L0764	11L0764-BLK1	
		11L0925-04	MW-15
		11L0764-BS1	
		11L0764-BSD1	

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CERTIFICATE OF ANALYSIS

11L0925

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	11L0788	11L0788-BLK1	
		11L0788-BS1	
		11L0925-01	MW-42
		11L0788-MS1	11L0925-01
		11L0788-MSD1	11L0925-01
		11L0788-PS1	11L0925-01
		11L0925-02	MW-11 (up)
		11L0925-03	MW-13 (up)
		11L0925-04	MW-15
		11L0925-05	MW-16
		11L0925-06	MW-18
		11L0925-07	MW-20-2
		11L0925-08	MW-20-6
		11L0925-09	MW-22-2
		11L0925-10	MW-23
		11L0925-11	MW-28 (up)
		11L0925-12	MW-30
		11L0925-13	MW-41
		11L0925-14	MW-40
		11L0925-15	Field Duplicate
EPA 8270C	11L0822	11L0822-BLK1	
		11L0925-04	MW-15
		11L0822-BS1	
		11L0822-BSD1	
EPA 7470A	11L0857	11L0857-BLK1	
		11L0857-BS1	
		11L0925-04	MW-15
		11L0857-MS1	11L0925-04
		11L0857-MSD1	11L0925-04
EPA 8151A	11L0893	11L0893-BLK1	
		11L0893-BS1	
		11L0893-BSD1	
		11L0925-04	MW-15
EPA 8260D	11L0990	11L0990-BS1	
		11L0990-BSD1	
		11L0990-BLK1	
		11L0925-01	MW-42
		11L0925-02	MW-11 (up)
		11L0925-04	MW-15
		11L0925-05	MW-16
		11L0925-06	MW-18
		11L0925-07	MW-20-2
		11L0925-08	MW-20-6
		11L0925-09	MW-22-2

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CERTIFICATE OF ANALYSIS

11L0925

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	11L0990	11L0925-10	MW-23
		11L0925-11	MW-28 (up)
		11L0925-12	MW-30
		11L0925-13	MW-41
		11L0925-14	MW-40
		11L0925-16	MW-43
		11L0925-17	GU-6
		11L0990-MS1	11L0925-01
		11L0990-MSD1	11L0925-01
Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	11L1039	11L1039-BLK1	
		11L0925-01RE1	MW-42
		11L1039-MS1	11L0925-01RE1
		11L1039-MSD1	11L0925-01RE1
		11L1039-PS1	11L0925-01RE1
		11L0925-02RE1	MW-11 (up)
		11L0925-03RE1	MW-13 (up)
		11L0925-04RE1	MW-15
		11L0925-05RE1	MW-16
		11L0925-06RE1	MW-18
		11L0925-07RE1	MW-20-2
		11L0925-08RE1	MW-20-6
		11L0925-09RE1	MW-22-2
		11L0925-10RE1	MW-23
		11L0925-11RE1	MW-28 (up)
		11L0925-12RE1	MW-30
		11L0925-13RE1	MW-41
		11L0925-14RE1	MW-40
		11L0925-15RE1	Field Duplicate
		11L0925-16RE1	MW-43
		11L0925-17RE1	GU-6
		11L1039-BS1	
Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	11L1079	11L1079-BS1	
		11L1079-BSD1	
		11L1079-BLK1	
		11L0925-03	MW-13 (up)
		11L1079-MS1	31L0062-01
		11L1079-MSD1	31L0062-01
Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	11L1217	11L1217-MRL1	
		11L1217-MRL2	
		11L1217-BS1	
		11L1217-BSD1	
		11L1217-BLK1	
		11L0925-04	MW-15
		11L1217-MS1	11L0925-04
		11L1217-MSD1	11L0925-04
Method	Batch	Laboratory ID	Client / Source ID
EPA 8015C	11L1289	11L1289-BS1	

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CERTIFICATE OF ANALYSIS

11L0925

Method	Batch	Laboratory ID	Client / Source ID
EPA 8015C	11L1289	11L1289-BLK1	
		11L0925-04	MW-15
		11L1289-MS1	11L0925-04
		11L1289-MSD1	11L0925-04

Batch Quality Control Summary: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11L0746 - EPA 5030B - EPA 8260D									

Blank (11L0746-BLK1)

Prepared: 12/12/25 00:00 Analyzed: 12/12/25 10:32

Acrolein	<10.0	10.0	ug/L						
Acrylonitrile	<5.0	5.0	ug/L						
Acrylonitrile	<5.0	5.0	ug/L						
Surrogate: Dibromofluoromethane	46.2		ug/L	50.2		92.1 57-128			
Surrogate: 1,2-Dichloroethane-d4	42.5		ug/L	50.4		84.4 49-135			
Surrogate: 1,2-Dichloroethane-d4	42.5		ug/L	50.4		84.4 49-135			
Surrogate: Toluene-d8	50.3		ug/L	50.5		99.7 82-116			
Surrogate: Toluene-d8	50.3		ug/L	50.5		99.7 82-116			
Surrogate: 4-Bromofluorobenzene	66.0		ug/L	50.2		132 77-114			S1
Surrogate: 4-Bromofluorobenzene	66.0		ug/L	50.2		132 77-114			S1

LCS (11L0746-BS1)

Prepared: 12/12/25 00:00 Analyzed: 12/12/25 09:17

Acrolein	44.14	10.0	ug/L	50.3		87.7 10-178			
Acrylonitrile	50.40	5.0	ug/L	50.4		100 33-163			
Acrylonitrile	50.40	5.0	ug/L	50.4		100 33-163			
Surrogate: Dibromofluoromethane	43.5		ug/L	50.2		86.6 57-128			
Surrogate: 1,2-Dichloroethane-d4	30.5		ug/L	50.4		60.5 49-135			
Surrogate: 1,2-Dichloroethane-d4	30.5		ug/L	50.4		60.5 49-135			
Surrogate: Toluene-d8	62.5		ug/L	50.5		124 82-116			S1
Surrogate: Toluene-d8	62.5		ug/L	50.5		124 82-116			S1
Surrogate: 4-Bromofluorobenzene	54.0		ug/L	50.2		108 77-114			
Surrogate: 4-Bromofluorobenzene	54.0		ug/L	50.2		108 77-114			

LCS Dup (11L0746-BSD1)

Prepared: 12/12/25 00:00 Analyzed: 12/12/25 09:42

Acrolein	42.91	10.0	ug/L	50.3		85.3 10-178	2.83	30	
Acrylonitrile	43.64	5.0	ug/L	50.4		86.7 33-163	14.4	28	
Acrylonitrile	43.64	5.0	ug/L	50.4		86.7 33-163	14.4	28	
Surrogate: Dibromofluoromethane	44.7		ug/L	50.2		89.1 57-128			
Surrogate: 1,2-Dichloroethane-d4	38.8		ug/L	50.4		77.1 49-135			
Surrogate: 1,2-Dichloroethane-d4	38.8		ug/L	50.4		77.1 49-135			
Surrogate: Toluene-d8	46.4		ug/L	50.5		92.0 82-116			
Surrogate: Toluene-d8	46.4		ug/L	50.5		92.0 82-116			
Surrogate: 4-Bromofluorobenzene	49.7		ug/L	50.2		99.0 77-114			
Surrogate: 4-Bromofluorobenzene	49.7		ug/L	50.2		99.0 77-114			

Matrix Spike (11L0746-MS1)

Source: 11L0925-04

Prepared: 12/12/25 00:00 Analyzed: 12/12/25 20:38

Acrolein	507.4	100	ug/L	503	ND	101 10-170			
Acrylonitrile	504.5	50.0	ug/L	504	ND	100 32-159			

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CERTIFICATE OF ANALYSIS

1IL0925

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IL0746 - EPA 5030B - EPA 8260D										
Matrix Spike (1IL0746-MS1)		Source: 1IL0925-04		Prepared: 12/12/25 00:00 Analyzed: 12/12/25 20:38						
Acrylonitrile	504.5	50.0	ug/L	504	ND	100	32-159			
Surrogate: Dibromofluoromethane	456		ug/L	502		90.9	57-128			
Surrogate: 1,2-Dichloroethane-d4	409		ug/L	504		81.2	49-135			
Surrogate: 1,2-Dichloroethane-d4	409		ug/L	504		81.2	49-135			
Surrogate: Toluene-d8	498		ug/L	505		98.7	82-116			
Surrogate: Toluene-d8	498		ug/L	505		98.7	82-116			
Surrogate: 4-Bromofluorobenzene	493		ug/L	502		98.2	77-114			
Surrogate: 4-Bromofluorobenzene	493		ug/L	502		98.2	77-114			
Matrix Spike Dup (1IL0746-MSD1)		Source: 1IL0925-04		Prepared: 12/12/25 00:00 Analyzed: 12/12/25 21:03						
Acrolein	501.6	100	ug/L	503	ND	99.7	10-170	1.15	30	
Acrylonitrile	487.3	50.0	ug/L	504	ND	96.8	32-159	3.47	30	
Acrylonitrile	487.3	50.0	ug/L	504	ND	96.8	32-159	3.47	30	
Surrogate: Dibromofluoromethane	468		ug/L	502		93.3	57-128			
Surrogate: 1,2-Dichloroethane-d4	414		ug/L	504		82.3	49-135			
Surrogate: 1,2-Dichloroethane-d4	414		ug/L	504		82.3	49-135			
Surrogate: Toluene-d8	491		ug/L	505		97.3	82-116			
Surrogate: Toluene-d8	491		ug/L	505		97.3	82-116			
Surrogate: 4-Bromofluorobenzene	486		ug/L	502		96.9	77-114			
Surrogate: 4-Bromofluorobenzene	486		ug/L	502		96.9	77-114			
Batch 1IL0990 - EPA 5030B - EPA 8260D										
Blank (1IL0990-BLK1)		Prepared: 12/17/25 00:00 Analyzed: 12/17/25 14:41								
Dichlorodifluoromethane	<1.0	1.0	ug/L							
Chloromethane	<1.0	1.0	ug/L							
Chloromethane	<1.0	1.0	ug/L							
Vinyl Chloride	<1.0	1.0	ug/L							
Vinyl Chloride	<1.0	1.0	ug/L							
Bromomethane	<1.0	1.0	ug/L							
Bromomethane	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Trichlorofluoromethane	<1.0	1.0	ug/L							
Trichlorofluoromethane	<1.0	1.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
Acetone	<10.0	10.0	ug/L							
Acetone	<10.0	10.0	ug/L							
Methyl Iodide	<2.0	2.0	ug/L							
Methyl Iodide	<1.0	1.0	ug/L							
Carbon Disulfide	<1.0	1.0	ug/L							
Carbon Disulfide	<1.0	1.0	ug/L							
Acetonitrile	<10.0	10.0	ug/L							

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CERTIFICATE OF ANALYSIS

11L0925

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11L0990 - EPA 5030B - EPA 8260D										
Blank (11L0990-BLK1)				Prepared: 12/17/25 00:00 Analyzed: 12/17/25 14:41						
Methylene Chloride	<5.0	5.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
Vinyl Acetate	<5.0	5.0	ug/L							
Vinyl Acetate	<5.0	5.0	ug/L							
2,2-Dichloropropane	<1.0	1.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<5.0	5.0	ug/L							
2-Butanone (MEK)	<10.0	10.0	ug/L							
Bromochloromethane	<1.0	1.0	ug/L							
Bromochloromethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
1,1-Dichloropropene	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Benzene	<1.0	1.0	ug/L							
Benzene	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L							
Toluene	<1.0	1.0	ug/L							
Toluene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							
Ethyl Methacrylate	<10.0	10.0	ug/L							

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CERTIFICATE OF ANALYSIS

11L0925

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11L0990 - EPA 5030B - EPA 8260D										
Blank (11L0990-BLK1)				Prepared: 12/17/25 00:00 Analyzed: 12/17/25 14:41						
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene	<1.0	1.0	ug/L							
Tetrachloroethylene	<1.0	1.0	ug/L							
1,3-Dichloropropane	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<5.0	5.0	ug/L							
2-Hexanone (MBK)	<5.0	5.0	ug/L							
Dibromochloromethane	<1.0	1.0	ug/L							
Dibromochloromethane	<1.0	1.0	ug/L							
1,2-Dibromoethane	<1.0	1.0	ug/L							
1,2-Dibromoethane	<1.0	1.0	ug/L							
Chlorobenzene	<1.0	1.0	ug/L							
Chlorobenzene	<1.0	1.0	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Xylenes, total	<2.0	2.0	ug/L							
Xylenes, total	<2.0	2.0	ug/L							
Styrene	<1.0	1.0	ug/L							
Styrene	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							
1,2,3-Trichloropropane	<1.0	1.0	ug/L							
1,2,3-Trichloropropane	<1.0	1.0	ug/L							
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L							
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,3-Dichlorobenzene	<1.0	1.0	ug/L							
1,4-Dichlorobenzene	<1.0	1.0	ug/L							
1,4-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L							
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L							
Surrogate: Dibromofluoromethane	47.5		ug/L	50.2		94.7	57-128			
Surrogate: Dibromofluoromethane	47.5		ug/L	50.2		94.7	75-136			
Surrogate: 1,2-Dichloroethane-d4	48.8		ug/L	50.4		96.9	49-135			
Surrogate: 1,2-Dichloroethane-d4	48.8		ug/L	50.4		96.9	61-142			
Surrogate: Toluene-d8	49.4		ug/L	50.5		97.8	82-116			
Surrogate: Toluene-d8	49.4		ug/L	50.5		97.8	82-121			

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CERTIFICATE OF ANALYSIS

11L0925

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11L0990 - EPA 5030B - EPA 8260D									
Blank (11L0990-BLK1)									
				Prepared: 12/17/25 00:00 Analyzed: 12/17/25 14:41					
Surrogate: 4-Bromofluorobenzene	49.6		ug/L	50.2		98.8 77-114			
Surrogate: 4-Bromofluorobenzene	49.6		ug/L	50.2		98.8 80-116			
LCS (11L0990-BS1)									
				Prepared: 12/17/25 00:00 Analyzed: 12/17/25 13:32					
Dichlorodifluoromethane	31.16	1.0	ug/L	30.0		104 55-141			
Chloromethane	33.77	1.0	ug/L	30.0		113 45-170			
Chloromethane	33.77	1.0	ug/L	30.0		113 63-155			
Vinyl Chloride	28.57	1.0	ug/L	30.0		95.2 51-157			
Vinyl Chloride	28.57	1.0	ug/L	30.0		95.2 70-154			
Bromomethane	34.14	1.0	ug/L	30.0		114 51-161			
Bromomethane	34.14	1.0	ug/L	30.0		114 52-176			
Chloroethane	31.92	1.0	ug/L	30.0		106 68-134			
Chloroethane	31.92	1.0	ug/L	30.0		106 72-148			
Trichlorofluoromethane	34.04	1.0	ug/L	30.0		113 54-146			
Trichlorofluoromethane	34.04	1.0	ug/L	30.0		113 70-152			
1,1-Dichloroethylene	53.28	1.0	ug/L	50.0		107 63-137			
1,1-Dichloroethylene	53.28	1.0	ug/L	50.0		107 70-148			
Acetone	87.93	10.0	ug/L	100		87.9 50-156			
Acetone	87.93	10.0	ug/L	100		87.9 43-172			
Methyl Iodide	100.7	2.0	ug/L	100		101 62-147			
Methyl Iodide	100.7	1.0	ug/L	100		101 69-170			
Carbon Disulfide	95.75	1.0	ug/L	100		95.8 60-129			
Carbon Disulfide	95.75	1.0	ug/L	100		95.8 72-162			
Acetonitrile	90.46	10.0	ug/L	100		90.5 53-151			
Methylene Chloride	49.73	5.0	ug/L	50.0		99.5 66-126			
Methylene Chloride	49.73	5.0	ug/L	50.0		99.5 68-142			
trans-1,2-Dichloroethylene	51.72	1.0	ug/L	50.0		103 68-134			
trans-1,2-Dichloroethylene	51.72	1.0	ug/L	50.0		103 66-148			
1,1-Dichloroethane	49.82	1.0	ug/L	50.0		99.6 69-133			
1,1-Dichloroethane	49.82	1.0	ug/L	50.0		99.6 66-143			
Vinyl Acetate	56.25	5.0	ug/L	50.0		112 69-151			
Vinyl Acetate	56.25	5.0	ug/L	50.0		112 43-153			
2,2-Dichloropropane	54.07	1.0	ug/L	50.0		108 59-141			
cis-1,2-Dichloroethylene	55.86	1.0	ug/L	50.0		112 70-132			
cis-1,2-Dichloroethylene	55.86	1.0	ug/L	50.0		112 71-149			
2-Butanone (MEK)	109.4	5.0	ug/L	100		109 57-136			
2-Butanone (MEK)	109.4	10.0	ug/L	100		109 52-159			
Bromochloromethane	51.76	1.0	ug/L	50.0		104 73-127			
Bromochloromethane	51.76	1.0	ug/L	50.0		104 69-143			
Chloroform	53.02	1.0	ug/L	50.0		106 67-130			
Chloroform	53.02	1.0	ug/L	50.0		106 69-144			
1,1,1-Trichloroethane	53.36	1.0	ug/L	50.0		107 63-135			
1,1,1-Trichloroethane	53.36	1.0	ug/L	50.0		107 62-129			

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CERTIFICATE OF ANALYSIS

11L0925

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11L0990 - EPA 5030B - EPA 8260D										
LCS (11L0990-BS1)				Prepared: 12/17/25 00:00 Analyzed: 12/17/25 13:32						
1,1-Dichloropropene	52.29	1.0	ug/L	50.0		105	66-134			
Carbon Tetrachloride	56.15	1.0	ug/L	50.0		112	67-134			
Carbon Tetrachloride	56.15	1.0	ug/L	50.0		112	63-141			
Benzene	52.51	1.0	ug/L	50.0		105	80-118			
Benzene	52.51	1.0	ug/L	50.0		105	71-134			
1,2-Dichloroethane	51.55	1.0	ug/L	50.0		103	77-126			
1,2-Dichloroethane	51.55	1.0	ug/L	50.0		103	72-132			
Trichloroethylene	54.10	1.0	ug/L	50.0		108	79-120			
Trichloroethylene	54.10	1.0	ug/L	50.0		108	71-135			
1,2-Dichloropropane	52.69	1.0	ug/L	50.0		105	80-121			
1,2-Dichloropropane	52.69	1.0	ug/L	50.0		105	69-136			
Dibromomethane	51.40	1.0	ug/L	50.0		103	75-122			
Dibromomethane	51.40	1.0	ug/L	50.0		103	73-147			
Bromodichloromethane	54.31	1.0	ug/L	50.0		109	79-123			
Bromodichloromethane	54.31	1.0	ug/L	50.0		109	68-129			
cis-1,3-Dichloropropene	52.70	1.0	ug/L	50.0		105	77-116			
cis-1,3-Dichloropropene	52.70	1.0	ug/L	50.0		105	65-134			
4-Methyl-2-pentanone (MIBK)	93.69	5.0	ug/L	100		93.7	64-138			
4-Methyl-2-pentanone (MIBK)	93.69	5.0	ug/L	100		93.7	58-147			
Toluene	51.92	1.0	ug/L	50.0		104	79-118			
Toluene	51.92	1.0	ug/L	50.0		104	72-133			
trans-1,3-Dichloropropene	53.82	1.0	ug/L	50.0		108	77-116			
trans-1,3-Dichloropropene	53.82	1.0	ug/L	50.0		108	67-130			
Ethyl Methacrylate	105.2	10.0	ug/L	100		105	63-130			
1,1,2-Trichloroethane	50.95	1.0	ug/L	50.0		102	80-117			
1,1,2-Trichloroethane	50.95	1.0	ug/L	50.0		102	69-135			
Tetrachloroethylene	54.69	1.0	ug/L	50.0		109	77-126			
Tetrachloroethylene	54.69	1.0	ug/L	50.0		109	69-130			
1,3-Dichloropropane	54.84	1.0	ug/L	50.0		110	79-131			
2-Hexanone (MBK)	101.3	5.0	ug/L	100		101	60-149			
2-Hexanone (MBK)	101.3	5.0	ug/L	100		101	55-144			
Dibromochloromethane	57.88	1.0	ug/L	50.0		116	86-121			
Dibromochloromethane	57.88	1.0	ug/L	50.0		116	73-127			
1,2-Dibromoethane	54.67	1.0	ug/L	50.0		109	77-124			
1,2-Dibromoethane	54.67	1.0	ug/L	50.0		109	67-132			
Chlorobenzene	54.81	1.0	ug/L	50.0		110	77-124			
Chlorobenzene	54.81	1.0	ug/L	50.0		110	72-123			
1,1,1,2-Tetrachloroethane	55.90	1.0	ug/L	50.0		112	84-117			
1,1,1,2-Tetrachloroethane	55.90	1.0	ug/L	50.0		112	73-127			
Ethylbenzene	57.31	1.0	ug/L	50.0		115	79-128			
Ethylbenzene	57.31	1.0	ug/L	50.0		115	71-127			
Xylenes, total	172.5	2.0	ug/L	150		115	81-124			
Xylenes, total	172.5	2.0	ug/L	150		115	74-127			

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CERTIFICATE OF ANALYSIS

11L0925

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11L0990 - EPA 5030B - EPA 8260D										
LCS (11L0990-BS1)										
Prepared: 12/17/25 00:00 Analyzed: 12/17/25 13:32										
Styrene	58.38	1.0	ug/L	50.0		117	83-124			
Styrene	58.38	1.0	ug/L	50.0		117	66-126			
Bromoform	55.11	1.0	ug/L	50.0		110	81-121			
Bromoform	55.11	1.0	ug/L	50.0		110	68-130			
1,2,3-Trichloropropane	55.89	1.0	ug/L	50.0		112	76-120			
1,2,3-Trichloropropane	55.89	1.0	ug/L	50.0		112	63-136			
trans-1,4-Dichloro-2-butene	114.8	5.0	ug/L	100		115	55-128			
trans-1,4-Dichloro-2-butene	114.8	5.0	ug/L	100		115	54-134			
1,1,2,2-Tetrachloroethane	51.08	1.0	ug/L	50.0		102	65-138			
1,1,2,2-Tetrachloroethane	51.08	1.0	ug/L	50.0		102	61-131			
1,3-Dichlorobenzene	53.88	1.0	ug/L	50.0		108	78-122			
1,4-Dichlorobenzene	52.12	1.0	ug/L	50.0		104	72-125			
1,4-Dichlorobenzene	52.12	1.0	ug/L	50.0		104	70-129			
1,2-Dichlorobenzene	54.42	1.0	ug/L	50.0		109	76-124			
1,2-Dichlorobenzene	54.42	1.0	ug/L	50.0		109	69-126			
1,2-Dibromo-3-chloropropane	45.91	1.0	ug/L	50.0		91.8	28-160			
1,2-Dibromo-3-chloropropane	45.91	5.0	ug/L	50.0		91.8	50-143			
1,2,4-Trichlorobenzene	47.21	1.0	ug/L	50.0		94.4	34-154			
Surrogate: Dibromofluoromethane	49.5		ug/L	50.2		98.5	57-128			
Surrogate: Dibromofluoromethane	49.5		ug/L	50.2		98.5	75-136			
Surrogate: 1,2-Dichloroethane-d4	49.1		ug/L	50.4		97.5	49-135			
Surrogate: 1,2-Dichloroethane-d4	49.1		ug/L	50.4		97.5	61-142			
Surrogate: Toluene-d8	47.4		ug/L	50.5		93.9	82-116			
Surrogate: Toluene-d8	47.4		ug/L	50.5		93.9	82-121			
Surrogate: 4-Bromofluorobenzene	52.5		ug/L	50.2		105	77-114			
Surrogate: 4-Bromofluorobenzene	52.5		ug/L	50.2		105	80-116			
LCS Dup (11L0990-BSD1)										
Prepared: 12/17/25 00:00 Analyzed: 12/17/25 13:55										
Dichlorodifluoromethane	38.06	1.0	ug/L	30.0		127	55-141	19.9	24	
Chloromethane	41.28	1.0	ug/L	30.0		138	45-170	20.0	25	
Chloromethane	41.28	1.0	ug/L	30.0		138	63-155	20.0	24	
Vinyl Chloride	40.29	1.0	ug/L	30.0		134	51-157	34.0	23	R1
Vinyl Chloride	40.29	1.0	ug/L	30.0		134	70-154	34.0	25	R1
Bromomethane	36.78	1.0	ug/L	30.0		123	51-161	7.45	22	
Bromomethane	36.78	1.0	ug/L	30.0		123	52-176	7.45	27	
Chloroethane	34.45	1.0	ug/L	30.0		115	68-134	7.62	21	
Chloroethane	34.45	1.0	ug/L	30.0		115	72-148	7.62	25	
Trichlorofluoromethane	35.93	1.0	ug/L	30.0		120	54-146	5.40	23	
Trichlorofluoromethane	35.93	1.0	ug/L	30.0		120	70-152	5.40	26	
1,1-Dichloroethylene	44.87	1.0	ug/L	50.0		89.7	63-137	17.1	23	
1,1-Dichloroethylene	44.87	1.0	ug/L	50.0		89.7	70-148	17.1	24	
Acetone	65.27	10.0	ug/L	100		65.3	50-156	29.6	30	
Acetone	65.27	10.0	ug/L	100		65.3	43-172	29.6	30	
Methyl Iodide	92.16	2.0	ug/L	100		92.2	62-147	8.90	17	

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CERTIFICATE OF ANALYSIS

11L0925

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11L0990 - EPA 5030B - EPA 8260D										
LCS Dup (11L0990-BSD1)				Prepared: 12/17/25 00:00 Analyzed: 12/17/25 13:55						
Methyl Iodide	92.16	1.0	ug/L	100		92.2	69-170	8.90	30	
Carbon Disulfide	82.96	1.0	ug/L	100		83.0	60-129	14.3	20	
Carbon Disulfide	82.96	1.0	ug/L	100		83.0	72-162	14.3	24	
Acetonitrile	75.40	10.0	ug/L	100		75.4	53-151	18.2	30	
Methylene Chloride	42.43	5.0	ug/L	50.0		84.9	66-126	15.8	14	R1
Methylene Chloride	42.43	5.0	ug/L	50.0		84.9	68-142	15.8	21	
trans-1,2-Dichloroethylene	43.35	1.0	ug/L	50.0		86.7	68-134	17.6	17	R1
trans-1,2-Dichloroethylene	43.35	1.0	ug/L	50.0		86.7	66-148	17.6	27	
1,1-Dichloroethane	43.01	1.0	ug/L	50.0		86.0	69-133	14.7	14	R1
1,1-Dichloroethane	43.01	1.0	ug/L	50.0		86.0	66-143	14.7	24	
Vinyl Acetate	48.65	5.0	ug/L	50.0		97.3	69-151	14.5	30	
Vinyl Acetate	48.65	5.0	ug/L	50.0		97.3	43-153	14.5	30	
2,2-Dichloropropane	46.18	1.0	ug/L	50.0		92.4	59-141	15.7	30	
cis-1,2-Dichloroethylene	43.89	1.0	ug/L	50.0		87.8	70-132	24.0	13	R1
cis-1,2-Dichloroethylene	43.89	1.0	ug/L	50.0		87.8	71-149	24.0	26	
2-Butanone (MEK)	78.61	5.0	ug/L	100		78.6	57-136	32.7	30	R1
2-Butanone (MEK)	78.61	10.0	ug/L	100		78.6	52-159	32.7	27	R1
Bromochloromethane	40.51	1.0	ug/L	50.0		81.0	73-127	24.4	30	
Bromochloromethane	40.51	1.0	ug/L	50.0		81.0	69-143	24.4	23	R1
Chloroform	46.13	1.0	ug/L	50.0		92.3	67-130	13.9	13	R1
Chloroform	46.13	1.0	ug/L	50.0		92.3	69-144	13.9	23	
1,1,1-Trichloroethane	48.36	1.0	ug/L	50.0		96.7	63-135	9.83	15	
1,1,1-Trichloroethane	48.36	1.0	ug/L	50.0		96.7	62-129	9.83	24	
1,1-Dichloropropene	43.56	1.0	ug/L	50.0		87.1	66-134	18.2	30	
Carbon Tetrachloride	52.62	1.0	ug/L	50.0		105	67-134	6.49	16	
Carbon Tetrachloride	52.62	1.0	ug/L	50.0		105	63-141	6.49	25	
Benzene	45.47	1.0	ug/L	50.0		90.9	80-118	14.4	13	R1
Benzene	45.47	1.0	ug/L	50.0		90.9	71-134	14.4	24	
1,2-Dichloroethane	48.32	1.0	ug/L	50.0		96.6	77-126	6.47	16	
1,2-Dichloroethane	48.32	1.0	ug/L	50.0		96.6	72-132	6.47	24	
Trichloroethylene	47.32	1.0	ug/L	50.0		94.6	79-120	13.4	16	
Trichloroethylene	47.32	1.0	ug/L	50.0		94.6	71-135	13.4	24	
1,2-Dichloropropane	46.69	1.0	ug/L	50.0		93.4	80-121	12.1	13	
1,2-Dichloropropane	46.69	1.0	ug/L	50.0		93.4	69-136	12.1	24	
Dibromomethane	48.37	1.0	ug/L	50.0		96.7	75-122	6.07	30	
Dibromomethane	48.37	1.0	ug/L	50.0		96.7	73-147	6.07	25	
Bromodichloromethane	52.72	1.0	ug/L	50.0		105	79-123	2.97	12	
Bromodichloromethane	52.72	1.0	ug/L	50.0		105	68-129	2.97	22	
cis-1,3-Dichloropropene	66.45	1.0	ug/L	50.0		133	77-116	23.1	13	Q2, R1
cis-1,3-Dichloropropene	66.45	1.0	ug/L	50.0		133	65-134	23.1	23	R1
4-Methyl-2-pentanone (MIBK)	119.0	5.0	ug/L	100		119	64-138	23.8	30	
4-Methyl-2-pentanone (MIBK)	119.0	5.0	ug/L	100		119	58-147	23.8	27	
Toluene	64.92	1.0	ug/L	50.0		130	79-118	22.3	14	Q2, R1

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CERTIFICATE OF ANALYSIS

11L0925

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11L0990 - EPA 5030B - EPA 8260D										
LCS Dup (11L0990-BSD1)				Prepared: 12/17/25 00:00 Analyzed: 12/17/25 13:55						
Toluene	64.92	1.0	ug/L	50.0		130	72-133	22.3	24	
trans-1,3-Dichloropropene	64.65	1.0	ug/L	50.0		129	77-116	18.3	17	Q2, R1
trans-1,3-Dichloropropene	64.65	1.0	ug/L	50.0		129	67-130	18.3	24	
Ethyl Methacrylate	130.0	10.0	ug/L	100		130	63-130	21.1	30	
1,1,2-Trichloroethane	62.87	1.0	ug/L	50.0		126	80-117	20.9	18	Q2, R1
1,1,2-Trichloroethane	62.87	1.0	ug/L	50.0		126	69-135	20.9	23	
Tetrachloroethylene	48.58	1.0	ug/L	50.0		97.2	77-126	11.8	15	
Tetrachloroethylene	48.58	1.0	ug/L	50.0		97.2	69-130	11.8	25	
1,3-Dichloropropane	48.31	1.0	ug/L	50.0		96.6	79-131	12.7	30	
2-Hexanone (MBK)	89.51	5.0	ug/L	100		89.5	60-149	12.4	30	
2-Hexanone (MBK)	89.51	5.0	ug/L	100		89.5	55-144	12.4	25	
Dibromochloromethane	50.14	1.0	ug/L	50.0		100	86-121	14.3	14	R1
Dibromochloromethane	50.14	1.0	ug/L	50.0		100	73-127	14.3	22	
1,2-Dibromoethane	48.02	1.0	ug/L	50.0		96.0	77-124	13.0	30	
1,2-Dibromoethane	48.02	1.0	ug/L	50.0		96.0	67-132	13.0	24	
Chlorobenzene	48.07	1.0	ug/L	50.0		96.1	77-124	13.1	14	
Chlorobenzene	48.07	1.0	ug/L	50.0		96.1	72-123	13.1	23	
1,1,1,2-Tetrachloroethane	48.32	1.0	ug/L	50.0		96.6	84-117	14.5	30	
1,1,1,2-Tetrachloroethane	48.32	1.0	ug/L	50.0		96.6	73-127	14.5	24	
Ethylbenzene	50.21	1.0	ug/L	50.0		100	79-128	13.2	14	
Ethylbenzene	50.21	1.0	ug/L	50.0		100	71-127	13.2	26	
Xylenes, total	149.5	2.0	ug/L	150		99.7	81-124	14.3	16	
Xylenes, total	149.5	2.0	ug/L	150		99.7	74-127	14.3	25	
Styrene	51.06	1.0	ug/L	50.0		102	83-124	13.4	30	
Styrene	51.06	1.0	ug/L	50.0		102	66-126	13.4	23	
Bromoform	47.17	1.0	ug/L	50.0		94.3	81-121	15.5	21	
Bromoform	47.17	1.0	ug/L	50.0		94.3	68-130	15.5	23	
1,2,3-Trichloropropane	46.34	1.0	ug/L	50.0		92.7	76-120	18.7	30	
1,2,3-Trichloropropane	46.34	1.0	ug/L	50.0		92.7	63-136	18.7	24	
trans-1,4-Dichloro-2-butene	93.30	5.0	ug/L	100		93.3	55-128	20.6	30	
trans-1,4-Dichloro-2-butene	93.30	5.0	ug/L	100		93.3	54-134	20.6	27	
1,1,2,2-Tetrachloroethane	45.78	1.0	ug/L	50.0		91.6	65-138	10.9	27	
1,1,2,2-Tetrachloroethane	45.78	1.0	ug/L	50.0		91.6	61-131	10.9	29	
1,3-Dichlorobenzene	48.67	1.0	ug/L	50.0		97.3	78-122	10.2	13	
1,4-Dichlorobenzene	46.73	1.0	ug/L	50.0		93.5	72-125	10.9	11	
1,4-Dichlorobenzene	46.73	1.0	ug/L	50.0		93.5	70-129	10.9	24	
1,2-Dichlorobenzene	48.14	1.0	ug/L	50.0		96.3	76-124	12.2	13	
1,2-Dichlorobenzene	48.14	1.0	ug/L	50.0		96.3	69-126	12.2	26	
1,2-Dibromo-3-chloropropane	45.38	1.0	ug/L	50.0		90.8	28-160	1.16	30	
1,2-Dibromo-3-chloropropane	45.38	5.0	ug/L	50.0		90.8	50-143	1.16	30	
1,2,4-Trichlorobenzene	47.78	1.0	ug/L	50.0		95.6	34-154	1.20	30	
Surrogate: Dibromofluoromethane	47.7		ug/L	50.2		95.1	57-128			

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CERTIFICATE OF ANALYSIS

11L0925

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11L0990 - EPA 5030B - EPA 8260D										
LCS Dup (11L0990-BSD1)				Prepared: 12/17/25 00:00 Analyzed: 12/17/25 13:55						
Surrogate: Dibromofluoromethane	47.7		ug/L	50.2		95.1	75-136			
Surrogate: 1,2-Dichloroethane-d4	49.9		ug/L	50.4		99.0	49-135			
Surrogate: 1,2-Dichloroethane-d4	49.9		ug/L	50.4		99.0	61-142			
Surrogate: Toluene-d8	66.8		ug/L	50.5		132	82-116			S1
Surrogate: Toluene-d8	66.8		ug/L	50.5		132	82-121			S1
Surrogate: 4-Bromofluorobenzene	50.0		ug/L	50.2		99.7	77-114			
Surrogate: 4-Bromofluorobenzene	50.0		ug/L	50.2		99.7	80-116			
Matrix Spike (11L0990-MS1)				Source: 11L0925-01 Prepared: 12/17/25 00:00 Analyzed: 12/17/25 20:46						
Dichlorodifluoromethane	241.5	10.0	ug/L	303	ND	79.7	58-130			
Chloromethane	324.5	10.0	ug/L	303	ND	107	40-170			
Chloromethane	324.5	10.0	ug/L	303	ND	107	61-152			
Vinyl Chloride	365.3	10.0	ug/L	302	ND	121	49-154			
Vinyl Chloride	365.3	10.0	ug/L	302	ND	121	66-149			
Bromomethane	343.7	10.0	ug/L	301	ND	114	44-159			
Bromomethane	343.7	10.0	ug/L	301	ND	114	43-171			
Chloroethane	360.8	10.0	ug/L	303	10.04	116	67-132			
Chloroethane	360.8	10.0	ug/L	303	10.04	116	69-148			
Trichlorofluoromethane	347.7	10.0	ug/L	303	ND	115	56-142			
Trichlorofluoromethane	347.7	10.0	ug/L	303	ND	115	62-163			
1,1-Dichloroethylene	600.0	10.0	ug/L	501	ND	120	63-136			
1,1-Dichloroethylene	600.0	10.0	ug/L	501	ND	120	70-148			
Acetone	1053	100	ug/L	1000	ND	105	42-165			
Acetone	1053	100	ug/L	1000	ND	105	45-173			
Methyl Iodide	1133	20.0	ug/L	1000	ND	113	67-133			
Methyl Iodide	1133	10.0	ug/L	1000	ND	113	62-167			
Carbon Disulfide	1083	10.0	ug/L	1000	ND	108	56-129			
Carbon Disulfide	1083	10.0	ug/L	1000	ND	108	71-163			
Acetonitrile	734.1	100	ug/L	1000	ND	73.4	61-141			
Methylene Chloride	402.9	50.0	ug/L	501	ND	80.4	62-129			
Methylene Chloride	402.9	50.0	ug/L	501	ND	80.4	69-140			
trans-1,2-Dichloroethylene	411.6	10.0	ug/L	501	ND	82.2	65-136			
trans-1,2-Dichloroethylene	411.6	10.0	ug/L	501	ND	82.2	69-144			
1,1-Dichloroethane	424.1	10.0	ug/L	501	ND	84.6	64-137			
1,1-Dichloroethane	424.1	10.0	ug/L	501	ND	84.6	70-138			
Vinyl Acetate	1416	50.0	ug/L	1420	ND	99.3	69-148			
Vinyl Acetate	1416	50.0	ug/L	1420	ND	99.3	58-142			
2,2-Dichloropropane	400.4	10.0	ug/L	503	ND	79.6	52-123			
cis-1,2-Dichloroethylene	403.2	10.0	ug/L	504	10.08	78.1	65-136			
cis-1,2-Dichloroethylene	403.2	10.0	ug/L	504	10.08	78.1	68-151			
2-Butanone (MEK)	741.2	50.0	ug/L	1000	ND	74.1	56-147			
2-Butanone (MEK)	741.2	100	ug/L	1000	ND	74.1	50-160			
Bromochloromethane	382.5	10.0	ug/L	504	ND	75.9	78-121			M2
Bromochloromethane	382.5	10.0	ug/L	504	ND	75.9	65-143			

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CERTIFICATE OF ANALYSIS

11L0925

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11L0990 - EPA 5030B - EPA 8260D										
Matrix Spike (11L0990-MS1)	Source: 11L0925-01			Prepared: 12/17/25 00:00 Analyzed: 12/17/25 20:46						
Chloroform	429.4	10.0	ug/L	501	ND	85.7	64-133			
Chloroform	429.4	10.0	ug/L	501	ND	85.7	71-143			
1,1,1-Trichloroethane	459.8	10.0	ug/L	501	ND	91.7	61-138			
1,1,1-Trichloroethane	459.8	10.0	ug/L	501	ND	91.7	63-133			
1,1-Dichloropropene	413.3	10.0	ug/L	505	ND	81.9	69-130			
Carbon Tetrachloride	510.9	10.0	ug/L	501	ND	102	62-140			
Carbon Tetrachloride	510.9	10.0	ug/L	501	ND	102	63-142			
Benzene	450.1	10.0	ug/L	504	ND	89.2	62-137			
Benzene	450.1	10.0	ug/L	504	ND	89.2	69-133			
1,2-Dichloroethane	489.3	10.0	ug/L	501	ND	97.7	69-135			
1,2-Dichloroethane	489.3	10.0	ug/L	501	ND	97.7	63-138			
Trichloroethylene	464.2	10.0	ug/L	501	ND	92.7	77-123			
Trichloroethylene	464.2	10.0	ug/L	501	ND	92.7	71-133			
1,2-Dichloropropane	447.2	10.0	ug/L	501	ND	89.3	77-126			
1,2-Dichloropropane	447.2	10.0	ug/L	501	ND	89.3	69-132			
Dibromomethane	465.7	10.0	ug/L	504	ND	92.5	83-116			
Dibromomethane	465.7	10.0	ug/L	504	ND	92.5	70-147			
Bromodichloromethane	510.3	10.0	ug/L	501	ND	102	73-131			
Bromodichloromethane	510.3	10.0	ug/L	501	ND	102	67-130			
cis-1,3-Dichloropropene	480.4	10.0	ug/L	501	ND	95.9	71-115			
cis-1,3-Dichloropropene	480.4	10.0	ug/L	501	ND	95.9	61-126			
4-Methyl-2-pentanone (MIBK)	877.2	50.0	ug/L	1000	ND	87.7	71-138			
4-Methyl-2-pentanone (MIBK)	877.2	50.0	ug/L	1000	ND	87.7	55-147			
Toluene	521.2	10.0	ug/L	505	ND	103	76-121			
Toluene	521.2	10.0	ug/L	505	ND	103	71-133			
trans-1,3-Dichloropropene	527.6	10.0	ug/L	501	ND	105	76-113			
trans-1,3-Dichloropropene	527.6	10.0	ug/L	501	ND	105	63-124			
Ethyl Methacrylate	1123	100	ug/L	1000	ND	112	74-121			
1,1,2-Trichloroethane	633.0	10.0	ug/L	501	ND	126	80-122			M1
1,1,2-Trichloroethane	633.0	10.0	ug/L	501	ND	126	69-133			
Tetrachloroethylene	539.5	10.0	ug/L	501	ND	108	76-125			
Tetrachloroethylene	539.5	10.0	ug/L	501	ND	108	70-124			
1,3-Dichloropropane	547.9	10.0	ug/L	504	ND	109	79-133			
2-Hexanone (MBK)	1025	50.0	ug/L	1000	ND	102	64-154			
2-Hexanone (MBK)	1025	50.0	ug/L	1000	ND	102	53-141			
Dibromochloromethane	560.3	10.0	ug/L	501	ND	112	84-122			
Dibromochloromethane	560.3	10.0	ug/L	501	ND	112	74-122			
1,2-Dibromoethane	540.0	10.0	ug/L	502	ND	108	81-120			
1,2-Dibromoethane	540.0	10.0	ug/L	502	ND	108	66-127			
Chlorobenzene	480.5	10.0	ug/L	501	ND	95.9	78-123			
Chlorobenzene	480.5	10.0	ug/L	501	ND	95.9	76-116			
1,1,1,2-Tetrachloroethane	450.6	10.0	ug/L	503	ND	89.5	83-117			
1,1,1,2-Tetrachloroethane	450.6	10.0	ug/L	503	ND	89.5	77-121			

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CERTIFICATE OF ANALYSIS

11L0925

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11L0990 - EPA 5030B - EPA 8260D										
Matrix Spike (11L0990-MS1)	Source: 11L0925-01			Prepared: 12/17/25 00:00 Analyzed: 12/17/25 20:46						
Ethylbenzene	459.7	10.0	ug/L	502	ND	91.6	76-130			
Ethylbenzene	459.7	10.0	ug/L	502	ND	91.6	73-124			
Xylenes, total	1564	20.0	ug/L	1510	ND	104	77-129			
Xylenes, total	1564	20.0	ug/L	1510	ND	104	75-123			
Styrene	580.9	10.0	ug/L	504	ND	115	84-122			
Styrene	580.9	10.0	ug/L	504	ND	115	70-120			
Bromoform	521.3	10.0	ug/L	501	ND	104	83-120			
Bromoform	521.3	10.0	ug/L	501	ND	104	70-124			
1,2,3-Trichloropropane	525.4	10.0	ug/L	503	ND	104	74-126			
1,2,3-Trichloropropane	525.4	10.0	ug/L	503	ND	104	62-135			
trans-1,4-Dichloro-2-butene	1039	50.0	ug/L	1000	ND	104	63-114			
trans-1,4-Dichloro-2-butene	1039	50.0	ug/L	1000	ND	104	50-120			
1,1,2,2-Tetrachloroethane	460.4	10.0	ug/L	501	ND	91.9	66-143			
1,1,2,2-Tetrachloroethane	460.4	10.0	ug/L	501	ND	91.9	63-126			
1,3-Dichlorobenzene	485.2	10.0	ug/L	501	ND	96.9	77-120			
1,4-Dichlorobenzene	476.7	10.0	ug/L	501	ND	95.1	71-123			
1,4-Dichlorobenzene	476.7	10.0	ug/L	501	ND	95.1	72-119			
1,2-Dichlorobenzene	482.9	10.0	ug/L	501	ND	96.4	76-122			
1,2-Dichlorobenzene	482.9	10.0	ug/L	501	ND	96.4	71-117			
1,2-Dibromo-3-chloropropane	439.5	10.0	ug/L	501	ND	87.7	38-161			
1,2-Dibromo-3-chloropropane	439.5	50.0	ug/L	501	ND	87.7	49-134			
1,2,4-Trichlorobenzene	470.3	10.0	ug/L	504	ND	93.4	33-150			
Surrogate: Dibromofluoromethane	440		ug/L	502		87.7	57-128			
Surrogate: Dibromofluoromethane	440		ug/L	502		87.7	75-136			
Surrogate: 1,2-Dichloroethane-d4	471		ug/L	504		93.5	49-135			
Surrogate: 1,2-Dichloroethane-d4	471		ug/L	504		93.5	61-142			
Surrogate: Toluene-d8	528		ug/L	505		105	82-116			
Surrogate: Toluene-d8	528		ug/L	505		105	82-121			
Surrogate: 4-Bromofluorobenzene	562		ug/L	502		112	77-114			
Surrogate: 4-Bromofluorobenzene	562		ug/L	502		112	80-116			
Matrix Spike Dup (11L0990-MSD1)	Source: 11L0925-01			Prepared: 12/17/25 00:00 Analyzed: 12/17/25 21:09						
Dichlorodifluoromethane	236.4	10.0	ug/L	303	ND	78.1	58-130	2.13	30	
Chloromethane	253.0	10.0	ug/L	303	ND	83.4	40-170	24.8	16	R1
Chloromethane	253.0	10.0	ug/L	303	ND	83.4	61-152	24.8	26	
Vinyl Chloride	249.3	10.0	ug/L	302	ND	82.4	49-154	37.7	17	R1
Vinyl Chloride	249.3	10.0	ug/L	302	ND	82.4	66-149	37.7	23	R1
Bromomethane	243.7	10.0	ug/L	301	ND	80.9	44-159	34.0	15	R1
Bromomethane	243.7	10.0	ug/L	301	ND	80.9	43-171	34.0	29	R1
Chloroethane	259.7	10.0	ug/L	303	10.04	82.3	67-132	32.6	15	R1
Chloroethane	259.7	10.0	ug/L	303	10.04	82.3	69-148	32.6	25	R1
Trichlorofluoromethane	250.2	10.0	ug/L	303	ND	82.6	56-142	32.6	18	R1
Trichlorofluoromethane	250.2	10.0	ug/L	303	ND	82.6	62-163	32.6	25	R1
1,1-Dichloroethylene	436.1	10.0	ug/L	501	ND	87.0	63-136	31.6	16	R1

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CERTIFICATE OF ANALYSIS

11L0925

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11L0990 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (11L0990-MSD1)										
Source: 11L0925-01			Prepared: 12/17/25 00:00 Analyzed: 12/17/25 21:09							
1,1-Dichloroethylene	436.1	10.0	ug/L	501	ND	87.0	70-148	31.6	22	R1
Acetone	795.4	100	ug/L	1000	ND	79.5	42-165	27.8	30	
Acetone	795.4	100	ug/L	1000	ND	79.5	45-173	27.8	30	
Methyl Iodide	889.9	20.0	ug/L	1000	ND	89.0	67-133	24.0	14	R1
Methyl Iodide	889.9	10.0	ug/L	1000	ND	89.0	62-167	24.0	24	
Carbon Disulfide	818.1	10.0	ug/L	1000	ND	81.8	56-129	27.9	16	R1
Carbon Disulfide	818.1	10.0	ug/L	1000	ND	81.8	71-163	27.9	22	R1
Acetonitrile	975.6	100	ug/L	1000	ND	97.6	61-141	28.3	10	R1
Methylene Chloride	434.9	50.0	ug/L	501	ND	86.8	62-129	7.64	14	
Methylene Chloride	434.9	50.0	ug/L	501	ND	86.8	69-140	7.64	19	
trans-1,2-Dichloroethylene	433.1	10.0	ug/L	501	ND	86.5	65-136	5.09	14	
trans-1,2-Dichloroethylene	433.1	10.0	ug/L	501	ND	86.5	69-144	5.09	22	
1,1-Dichloroethane	446.1	10.0	ug/L	501	ND	89.0	64-137	5.06	15	
1,1-Dichloroethane	446.1	10.0	ug/L	501	ND	89.0	70-138	5.06	20	
Vinyl Acetate	1514	50.0	ug/L	1420	ND	106	69-148	6.75	16	
Vinyl Acetate	1514	50.0	ug/L	1420	ND	106	58-142	6.75	24	
2,2-Dichloropropane	384.6	10.0	ug/L	503	ND	76.4	52-123	4.03	18	
cis-1,2-Dichloroethylene	431.5	10.0	ug/L	504	10.08	83.7	65-136	6.78	16	
cis-1,2-Dichloroethylene	431.5	10.0	ug/L	504	10.08	83.7	68-151	6.78	22	
2-Butanone (MEK)	813.7	50.0	ug/L	1000	ND	81.4	56-147	9.33	19	
2-Butanone (MEK)	813.7	100	ug/L	1000	ND	81.4	50-160	9.33	23	
Bromochloromethane	426.2	10.0	ug/L	504	ND	84.6	78-121	10.8	16	
Bromochloromethane	426.2	10.0	ug/L	504	ND	84.6	65-143	10.8	22	
Chloroform	429.6	10.0	ug/L	501	ND	85.8	64-133	0.0466	14	
Chloroform	429.6	10.0	ug/L	501	ND	85.8	71-143	0.0466	21	
1,1,1-Trichloroethane	433.3	10.0	ug/L	501	ND	86.5	61-138	5.93	15	
1,1,1-Trichloroethane	433.3	10.0	ug/L	501	ND	86.5	63-133	5.93	23	
1,1-Dichloropropene	421.2	10.0	ug/L	505	ND	83.5	69-130	1.89	16	
Carbon Tetrachloride	485.9	10.0	ug/L	501	ND	97.0	62-140	5.02	15	
Carbon Tetrachloride	485.9	10.0	ug/L	501	ND	97.0	63-142	5.02	22	
Benzene	460.3	10.0	ug/L	504	ND	91.3	62-137	2.24	16	
Benzene	460.3	10.0	ug/L	504	ND	91.3	69-133	2.24	18	
1,2-Dichloroethane	459.9	10.0	ug/L	501	ND	91.8	69-135	6.19	15	
1,2-Dichloroethane	459.9	10.0	ug/L	501	ND	91.8	63-138	6.19	20	
Trichloroethylene	453.3	10.0	ug/L	501	ND	90.5	77-123	2.38	14	
Trichloroethylene	453.3	10.0	ug/L	501	ND	90.5	71-133	2.38	23	
1,2-Dichloropropane	468.5	10.0	ug/L	501	ND	93.5	77-126	4.65	13	
1,2-Dichloropropane	468.5	10.0	ug/L	501	ND	93.5	69-132	4.65	20	
Dibromomethane	454.4	10.0	ug/L	504	ND	90.2	83-116	2.46	13	
Dibromomethane	454.4	10.0	ug/L	504	ND	90.2	70-147	2.46	22	
Bromodichloromethane	485.6	10.0	ug/L	501	ND	97.0	73-131	4.96	16	
Bromodichloromethane	485.6	10.0	ug/L	501	ND	97.0	67-130	4.96	21	
cis-1,3-Dichloropropene	456.6	10.0	ug/L	501	ND	91.2	71-115	5.08	15	

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CERTIFICATE OF ANALYSIS

11L0925

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11L0990 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (11L0990-MSD1)	Source: 11L0925-01			Prepared: 12/17/25 00:00 Analyzed: 12/17/25 21:09						
cis-1,3-Dichloropropene	456.6	10.0	ug/L	501	ND	91.2	61-126	5.08	21	
4-Methyl-2-pentanone (MIBK)	887.5	50.0	ug/L	1000	ND	88.8	71-138	1.17	10	
4-Methyl-2-pentanone (MIBK)	887.5	50.0	ug/L	1000	ND	88.8	55-147	1.17	23	
Toluene	465.3	10.0	ug/L	505	ND	92.2	76-121	11.3	16	
Toluene	465.3	10.0	ug/L	505	ND	92.2	71-133	11.3	19	
trans-1,3-Dichloropropene	456.5	10.0	ug/L	501	ND	91.2	76-113	14.4	10	R1
trans-1,3-Dichloropropene	456.5	10.0	ug/L	501	ND	91.2	63-124	14.4	21	
Ethyl Methacrylate	989.6	100	ug/L	1000	ND	99.0	74-121	12.6	10	R1
1,1,2-Trichloroethane	459.7	10.0	ug/L	501	ND	91.8	80-122	31.7	11	R1
1,1,2-Trichloroethane	459.7	10.0	ug/L	501	ND	91.8	69-133	31.7	19	R1
Tetrachloroethylene	464.1	10.0	ug/L	501	ND	92.6	76-125	15.0	15	
Tetrachloroethylene	464.1	10.0	ug/L	501	ND	92.6	70-124	15.0	24	
1,3-Dichloropropane	480.3	10.0	ug/L	504	ND	95.2	79-133	13.1	13	R1
2-Hexanone (MBK)	913.2	50.0	ug/L	1000	ND	91.3	64-154	11.5	12	
2-Hexanone (MBK)	913.2	50.0	ug/L	1000	ND	91.3	53-141	11.5	24	
Dibromochloromethane	498.0	10.0	ug/L	501	ND	99.5	84-122	11.8	13	
Dibromochloromethane	498.0	10.0	ug/L	501	ND	99.5	74-122	11.8	21	
1,2-Dibromoethane	474.5	10.0	ug/L	502	ND	94.5	81-120	12.9	13	
1,2-Dibromoethane	474.5	10.0	ug/L	502	ND	94.5	66-127	12.9	23	
Chlorobenzene	481.6	10.0	ug/L	501	ND	96.2	78-123	0.229	12	
Chlorobenzene	481.6	10.0	ug/L	501	ND	96.2	76-116	0.229	21	
1,1,1,2-Tetrachloroethane	482.6	10.0	ug/L	503	ND	95.9	83-117	6.86	16	
1,1,1,2-Tetrachloroethane	482.6	10.0	ug/L	503	ND	95.9	77-121	6.86	25	
Ethylbenzene	499.6	10.0	ug/L	502	ND	99.6	76-130	8.32	13	
Ethylbenzene	499.6	10.0	ug/L	502	ND	99.6	73-124	8.32	20	
Xylenes, total	1486	20.0	ug/L	1510	ND	98.4	77-129	5.10	13	
Xylenes, total	1486	20.0	ug/L	1510	ND	98.4	75-123	5.10	20	
Styrene	506.2	10.0	ug/L	504	ND	100	84-122	13.7	14	
Styrene	506.2	10.0	ug/L	504	ND	100	70-120	13.7	23	
Bromoform	471.3	10.0	ug/L	501	ND	94.0	83-120	10.1	10	R1
Bromoform	471.3	10.0	ug/L	501	ND	94.0	70-124	10.1	22	
1,2,3-Trichloropropane	467.9	10.0	ug/L	503	ND	92.9	74-126	11.6	13	
1,2,3-Trichloropropane	467.9	10.0	ug/L	503	ND	92.9	62-135	11.6	28	
trans-1,4-Dichloro-2-butene	912.5	50.0	ug/L	1000	ND	91.2	63-114	13.0	14	
trans-1,4-Dichloro-2-butene	912.5	50.0	ug/L	1000	ND	91.2	50-120	13.0	26	
1,1,2,2-Tetrachloroethane	464.9	10.0	ug/L	501	ND	92.8	66-143	0.973	16	
1,1,2,2-Tetrachloroethane	464.9	10.0	ug/L	501	ND	92.8	63-126	0.973	24	
1,3-Dichlorobenzene	480.0	10.0	ug/L	501	ND	95.8	77-120	1.08	18	
1,4-Dichlorobenzene	469.1	10.0	ug/L	501	ND	93.6	71-123	1.61	16	
1,4-Dichlorobenzene	469.1	10.0	ug/L	501	ND	93.6	72-119	1.61	24	
1,2-Dichlorobenzene	483.9	10.0	ug/L	501	ND	96.6	76-122	0.207	17	
1,2-Dichlorobenzene	483.9	10.0	ug/L	501	ND	96.6	71-117	0.207	24	
1,2-Dibromo-3-chloropropane	457.3	10.0	ug/L	501	ND	91.2	38-161	3.97	27	

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11L0990 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (11L0990-MSD1)	Source: 11L0925-01			Prepared: 12/17/25 00:00 Analyzed: 12/17/25 21:09						
1,2-Dibromo-3-chloropropane	457.3	50.0	ug/L	501	ND	91.2	49-134	3.97	28	
1,2,4-Trichlorobenzene	465.3	10.0	ug/L	504	ND	92.4	33-150	1.07	29	
Surrogate: Dibromofluoromethane	455		ug/L	502		90.7	57-128			
Surrogate: Dibromofluoromethane	455		ug/L	502		90.7	75-136			
Surrogate: 1,2-Dichloroethane-d4	454		ug/L	504		90.2	49-135			
Surrogate: 1,2-Dichloroethane-d4	454		ug/L	504		90.2	61-142			
Surrogate: Toluene-d8	490		ug/L	505		97.1	82-116			
Surrogate: Toluene-d8	490		ug/L	505		97.1	82-121			
Surrogate: 4-Bromofluorobenzene	505		ug/L	502		101	77-114			
Surrogate: 4-Bromofluorobenzene	505		ug/L	502		101	80-116			
Batch 11L1079 - EPA 5030B - EPA 8260D										
Blank (11L1079-BLK1)	Prepared: 12/18/25 00:00 Analyzed: 12/18/25 10:14									
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							
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							

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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 11L1079 - EPA 5030B - EPA 8260D										
Blank (11L1079-BLK1)										
Prepared: 12/18/25 00:00 Analyzed: 12/18/25 10:14										
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	45.0		ug/L	50.2		89.6	75-136			
Surrogate: 1,2-Dichloroethane-d4	46.5		ug/L	50.4		92.3	61-142			
Surrogate: Toluene-d8	49.0		ug/L	50.5		97.1	82-121			
Surrogate: 4-Bromofluorobenzene	48.3		ug/L	50.2		96.3	80-116			
LCS (11L1079-BS1)										
Prepared: 12/18/25 00:00 Analyzed: 12/18/25 09:06										
Chloromethane	28.77	1.0	ug/L	30.3		94.9	63-155			
Vinyl Chloride	31.25	1.0	ug/L	30.2		103	70-154			
Bromomethane	27.66	1.0	ug/L	30.1		91.8	52-176			
Chloroethane	30.36	1.0	ug/L	30.3		100	72-148			
Trichlorofluoromethane	31.14	1.0	ug/L	30.3		103	70-152			
1,1-Dichloroethylene	51.44	1.0	ug/L	50.1		103	70-148			
Acetone	88.81	10.0	ug/L	100		88.8	43-172			
Methyl Iodide	110.1	1.0	ug/L	100		110	69-170			
Carbon Disulfide	105.1	1.0	ug/L	100		105	72-162			
Methylene Chloride	46.57	5.0	ug/L	50.1		92.9	68-142			
trans-1,2-Dichloroethylene	47.24	1.0	ug/L	50.1		94.3	66-148			
1,1-Dichloroethane	46.61	1.0	ug/L	50.1		93.0	66-143			
Vinyl Acetate	155.9	5.0	ug/L	142		109	43-153			
cis-1,2-Dichloroethylene	44.37	1.0	ug/L	50.4		88.1	71-149			
2-Butanone (MEK)	92.09	10.0	ug/L	100		92.1	52-159			
Bromochloromethane	45.15	1.0	ug/L	50.4		89.6	69-143			
Chloroform	45.16	1.0	ug/L	50.1		90.2	69-144			
1,1,1-Trichloroethane	46.50	1.0	ug/L	50.1		92.8	62-129			
Carbon Tetrachloride	52.85	1.0	ug/L	50.1		106	63-141			
Benzene	48.99	1.0	ug/L	50.4		97.1	71-134			
1,2-Dichloroethane	48.32	1.0	ug/L	50.1		96.5	72-132			

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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 11L1079 - EPA 5030B - EPA 8260D										
LCS (11L1079-BS1)										
				Prepared: 12/18/25 00:00 Analyzed: 12/18/25 09:06						
Trichloroethylene	49.08	1.0	ug/L	50.1		98.0	71-135			
1,2-Dichloropropane	49.53	1.0	ug/L	50.1		98.9	69-136			
Dibromomethane	48.62	1.0	ug/L	50.4		96.5	73-147			
Bromodichloromethane	50.84	1.0	ug/L	50.1		102	68-129			
cis-1,3-Dichloropropene	50.38	1.0	ug/L	50.1		101	65-134			
4-Methyl-2-pentanone (MIBK)	92.88	5.0	ug/L	100		92.9	58-147			
Toluene	49.96	1.0	ug/L	50.5		99.0	72-133			
trans-1,3-Dichloropropene	49.68	1.0	ug/L	50.1		99.2	67-130			
1,1,2-Trichloroethane	47.78	1.0	ug/L	50.1		95.4	69-135			
Tetrachloroethylene	52.12	1.0	ug/L	50.1		104	69-130			
2-Hexanone (MBK)	95.69	5.0	ug/L	100		95.7	55-144			
Dibromochloromethane	52.83	1.0	ug/L	50.1		106	73-127			
1,2-Dibromoethane	50.18	1.0	ug/L	50.2		99.9	67-132			
Chlorobenzene	50.86	1.0	ug/L	50.1		102	72-123			
1,1,1,2-Tetrachloroethane	51.21	1.0	ug/L	50.3		102	73-127			
Ethylbenzene	53.38	1.0	ug/L	50.2		106	71-127			
Xylenes, total	159.1	2.0	ug/L	151		105	74-127			
Styrene	53.26	1.0	ug/L	50.4		106	66-126			
Bromoform	48.81	1.0	ug/L	50.1		97.4	68-130			
1,2,3-Trichloropropane	48.08	1.0	ug/L	50.3		95.5	63-136			
trans-1,4-Dichloro-2-butene	99.00	5.0	ug/L	100		99.0	54-134			
1,1,2,2-Tetrachloroethane	48.01	1.0	ug/L	50.1		95.8	61-131			
1,4-Dichlorobenzene	49.45	1.0	ug/L	50.1		98.7	70-129			
1,2-Dichlorobenzene	50.20	1.0	ug/L	50.1		100	69-126			
1,2-Dibromo-3-chloropropane	47.14	5.0	ug/L	50.1		94.0	50-143			
Surrogate: Dibromofluoromethane	45.3		ug/L	50.2		90.2	75-136			
Surrogate: 1,2-Dichloroethane-d4	45.6		ug/L	50.4		90.6	61-142			
Surrogate: Toluene-d8	49.3		ug/L	50.5		97.8	82-121			
Surrogate: 4-Bromofluorobenzene	50.0		ug/L	50.2		99.6	80-116			
LCS Dup (11L1079-BSD1)										
				Prepared: 12/18/25 00:00 Analyzed: 12/18/25 09:28						
Chloromethane	27.99	1.0	ug/L	30.3		92.3	63-155	2.75	24	
Vinyl Chloride	30.76	1.0	ug/L	30.2		102	70-154	1.58	25	
Bromomethane	23.95	1.0	ug/L	30.1		79.5	52-176	14.4	27	
Chloroethane	28.42	1.0	ug/L	30.3		93.7	72-148	6.60	25	
Trichlorofluoromethane	26.79	1.0	ug/L	30.3		88.4	70-152	15.0	26	
1,1-Dichloroethylene	46.84	1.0	ug/L	50.1		93.4	70-148	9.36	24	
Acetone	73.13	10.0	ug/L	100		73.1	43-172	19.4	30	
Methyl Iodide	99.57	1.0	ug/L	100		99.6	69-170	10.0	30	
Carbon Disulfide	93.68	1.0	ug/L	100		93.7	72-162	11.5	24	
Methylene Chloride	44.91	5.0	ug/L	50.1		89.6	68-142	3.63	21	
trans-1,2-Dichloroethylene	45.66	1.0	ug/L	50.1		91.2	66-148	3.40	27	
1,1-Dichloroethane	45.03	1.0	ug/L	50.1		89.9	66-143	3.45	24	

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CERTIFICATE OF ANALYSIS

11L0925

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11L1079 - EPA 5030B - EPA 8260D										
LCS Dup (11L1079-BSD1)				Prepared: 12/18/25 00:00 Analyzed: 12/18/25 09:28						
Vinyl Acetate	147.9	5.0	ug/L	142		104	43-153	5.27	30	
cis-1,2-Dichloroethylene	43.38	1.0	ug/L	50.4		86.2	71-149	2.26	26	
2-Butanone (MEK)	80.14	10.0	ug/L	100		80.1	52-159	13.9	27	
Bromochloromethane	43.19	1.0	ug/L	50.4		85.7	69-143	4.44	23	
Chloroform	43.63	1.0	ug/L	50.1		87.1	69-144	3.45	23	
1,1,1-Trichloroethane	45.20	1.0	ug/L	50.1		90.2	62-129	2.84	24	
Carbon Tetrachloride	50.64	1.0	ug/L	50.1		101	63-141	4.27	25	
Benzene	47.75	1.0	ug/L	50.4		94.7	71-134	2.56	24	
1,2-Dichloroethane	47.85	1.0	ug/L	50.1		95.5	72-132	0.977	24	
Trichloroethylene	47.91	1.0	ug/L	50.1		95.6	71-135	2.41	24	
1,2-Dichloropropane	47.64	1.0	ug/L	50.1		95.1	69-136	3.89	24	
Dibromomethane	46.41	1.0	ug/L	50.4		92.1	73-147	4.65	25	
Bromodichloromethane	49.01	1.0	ug/L	50.1		97.8	68-129	3.67	22	
cis-1,3-Dichloropropene	48.77	1.0	ug/L	50.1		97.4	65-134	3.25	23	
4-Methyl-2-pentanone (MIBK)	89.44	5.0	ug/L	100		89.4	58-147	3.77	27	
Toluene	48.68	1.0	ug/L	50.5		96.4	72-133	2.60	24	
trans-1,3-Dichloropropene	47.74	1.0	ug/L	50.1		95.3	67-130	3.98	24	
1,1,2-Trichloroethane	46.31	1.0	ug/L	50.1		92.5	69-135	3.12	23	
Tetrachloroethylene	51.07	1.0	ug/L	50.1		102	69-130	2.04	25	
2-Hexanone (MBK)	91.53	5.0	ug/L	100		91.5	55-144	4.44	25	
Dibromochloromethane	50.67	1.0	ug/L	50.1		101	73-127	4.17	22	
1,2-Dibromoethane	48.54	1.0	ug/L	50.2		96.6	67-132	3.32	24	
Chlorobenzene	49.51	1.0	ug/L	50.1		98.9	72-123	2.69	23	
1,1,1,2-Tetrachloroethane	49.39	1.0	ug/L	50.3		98.1	73-127	3.62	24	
Ethylbenzene	52.55	1.0	ug/L	50.2		105	71-127	1.57	26	
Xylenes, total	155.6	2.0	ug/L	151		103	74-127	2.21	25	
Styrene	52.15	1.0	ug/L	50.4		104	66-126	2.11	23	
Bromoform	47.33	1.0	ug/L	50.1		94.4	68-130	3.08	23	
1,2,3-Trichloropropane	46.78	1.0	ug/L	50.3		92.9	63-136	2.74	24	
trans-1,4-Dichloro-2-butene	96.47	5.0	ug/L	100		96.5	54-134	2.59	27	
1,1,2,2-Tetrachloroethane	46.04	1.0	ug/L	50.1		91.9	61-131	4.19	29	
1,4-Dichlorobenzene	48.40	1.0	ug/L	50.1		96.6	70-129	2.15	24	
1,2-Dichlorobenzene	48.58	1.0	ug/L	50.1		97.0	69-126	3.28	26	
1,2-Dibromo-3-chloropropane	44.44	5.0	ug/L	50.1		88.7	50-143	5.90	30	
Surrogate: Dibromofluoromethane	44.8		ug/L	50.2		89.2	75-136			
Surrogate: 1,2-Dichloroethane-d4	45.1		ug/L	50.4		89.6	61-142			
Surrogate: Toluene-d8	49.1		ug/L	50.5		97.2	82-121			
Surrogate: 4-Bromofluorobenzene	50.3		ug/L	50.2		100	80-116			
Matrix Spike (11L1079-MS1)				Source: 31L0062-01 Prepared: 12/18/25 00:00 Analyzed: 12/18/25 17:51						
Chloromethane	292.5	10.0	ug/L	303	ND	96.5	61-152			
Vinyl Chloride	288.8	10.0	ug/L	302	ND	95.5	66-149			
Bromomethane	279.9	10.0	ug/L	301	ND	92.9	43-171			

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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 11L1079 - EPA 5030B - EPA 8260D										
Matrix Spike (11L1079-MS1)	Source: 31L0062-01			Prepared: 12/18/25 00:00 Analyzed: 12/18/25 17:51						
Chloroethane	303.3	10.0	ug/L	303	ND	100	69-148			
Trichlorofluoromethane	288.2	10.0	ug/L	303	ND	95.1	62-163			
1,1-Dichloroethylene	505.5	10.0	ug/L	501	ND	101	70-148			
Acetone	886.9	100	ug/L	1000	ND	88.7	45-173			
Methyl Iodide	985.9	10.0	ug/L	1000	ND	98.6	62-167			
Carbon Disulfide	1016	10.0	ug/L	1000	ND	102	71-163			
Methylene Chloride	475.4	50.0	ug/L	501	ND	94.9	69-140			
trans-1,2-Dichloroethylene	479.7	10.0	ug/L	501	ND	95.8	69-144			
1,1-Dichloroethane	479.0	10.0	ug/L	501	ND	95.6	70-138			
Vinyl Acetate	1621	50.0	ug/L	1420	ND	114	58-142			
cis-1,2-Dichloroethylene	457.9	10.0	ug/L	504	ND	90.9	68-151			
2-Butanone (MEK)	926.6	100	ug/L	1000	ND	92.7	50-160			
Bromochloromethane	466.5	10.0	ug/L	504	ND	92.6	65-143			
Chloroform	459.3	10.0	ug/L	501	ND	91.7	71-143			
1,1,1-Trichloroethane	468.8	10.0	ug/L	501	ND	93.5	63-133			
Carbon Tetrachloride	507.8	10.0	ug/L	501	ND	101	63-142			
Benzene	805.9	10.0	ug/L	504	194.6	121	69-133			
1,2-Dichloroethane	494.5	10.0	ug/L	501	ND	98.7	63-138			
Trichloroethylene	496.2	10.0	ug/L	501	ND	99.1	71-133			
1,2-Dichloropropane	504.1	10.0	ug/L	501	ND	101	69-132			
Dibromomethane	489.8	10.0	ug/L	504	ND	97.2	70-147			
Bromodichloromethane	510.8	10.0	ug/L	501	ND	102	67-130			
cis-1,3-Dichloropropene	499.2	10.0	ug/L	501	ND	99.7	61-126			
4-Methyl-2-pentanone (MIBK)	949.0	50.0	ug/L	1000	ND	94.9	55-147			
Toluene	515.1	10.0	ug/L	505	9.01	100	71-133			
trans-1,3-Dichloropropene	487.1	10.0	ug/L	501	ND	97.3	63-124			
1,1,2-Trichloroethane	493.3	10.0	ug/L	501	ND	98.5	69-133			
Tetrachloroethylene	525.0	10.0	ug/L	501	ND	105	70-124			
2-Hexanone (MBK)	975.2	50.0	ug/L	1000	ND	97.5	53-141			
Dibromochloromethane	519.9	10.0	ug/L	501	ND	104	74-122			
1,2-Dibromoethane	506.0	10.0	ug/L	502	ND	101	66-127			
Chlorobenzene	516.6	10.0	ug/L	501	ND	103	76-116			
1,1,1,2-Tetrachloroethane	513.5	10.0	ug/L	503	ND	102	77-121			
Ethylbenzene	592.7	10.0	ug/L	502	55.57	107	73-124			
Xylenes, total	1948	20.0	ug/L	1510	309.8	108	75-123			
Styrene	546.8	10.0	ug/L	504	ND	109	70-120			
Bromoform	481.1	10.0	ug/L	501	ND	96.0	70-124			
1,2,3-Trichloropropane	487.6	10.0	ug/L	503	ND	96.9	62-135			
trans-1,4-Dichloro-2-butene	978.6	50.0	ug/L	1000	ND	97.9	50-120			
1,1,2,2-Tetrachloroethane	475.8	10.0	ug/L	501	ND	95.0	63-126			
1,4-Dichlorobenzene	500.6	10.0	ug/L	501	ND	99.9	72-119			
1,2-Dichlorobenzene	507.6	10.0	ug/L	501	ND	101	71-117			
1,2-Dibromo-3-chloropropane	468.8	50.0	ug/L	501	ND	93.5	49-134			

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CERTIFICATE OF ANALYSIS

11L0925

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11L1079 - EPA 5030B - EPA 8260D										
Matrix Spike (11L1079-MS1)		Source: 3IL0062-01		Prepared: 12/18/25 00:00 Analyzed: 12/18/25 17:51						
Surrogate: Dibromofluoromethane	448		ug/L	502		89.3	75-136			
Surrogate: 1,2-Dichloroethane-d4	451		ug/L	504		89.6	61-142			
Surrogate: Toluene-d8	492		ug/L	505		97.5	82-121			
Surrogate: 4-Bromofluorobenzene	504		ug/L	502		100	80-116			
Matrix Spike Dup (11L1079-MSD1)		Source: 3IL0062-01		Prepared: 12/18/25 00:00 Analyzed: 12/18/25 18:14						
Chloromethane	268.8	10.0	ug/L	303	ND	88.7	61-152	8.44	26	
Vinyl Chloride	288.3	10.0	ug/L	302	ND	95.3	66-149	0.173	23	
Bromomethane	261.5	10.0	ug/L	301	ND	86.8	43-171	6.80	29	
Chloroethane	284.4	10.0	ug/L	303	ND	93.8	69-148	6.43	25	
Trichlorofluoromethane	257.9	10.0	ug/L	303	ND	85.1	62-163	11.1	25	
1,1-Dichloroethylene	453.3	10.0	ug/L	501	ND	90.4	70-148	10.9	22	
Acetone	840.0	100	ug/L	1000	ND	84.0	45-173	5.43	30	
Methyl Iodide	945.3	10.0	ug/L	1000	ND	94.5	62-167	4.20	24	
Carbon Disulfide	896.6	10.0	ug/L	1000	ND	89.7	71-163	12.5	22	
Methylene Chloride	445.7	50.0	ug/L	501	ND	89.0	69-140	6.45	19	
trans-1,2-Dichloroethylene	443.9	10.0	ug/L	501	ND	88.6	69-144	7.75	22	
1,1-Dichloroethane	446.7	10.0	ug/L	501	ND	89.2	70-138	6.98	20	
Vinyl Acetate	1552	50.0	ug/L	1420	ND	109	58-142	4.36	24	
cis-1,2-Dichloroethylene	432.5	10.0	ug/L	504	ND	85.9	68-151	5.71	22	
2-Butanone (MEK)	877.4	100	ug/L	1000	ND	87.7	50-160	5.45	23	
Bromochloromethane	439.8	10.0	ug/L	504	ND	87.3	65-143	5.89	22	
Chloroform	432.1	10.0	ug/L	501	ND	86.3	71-143	6.10	21	
1,1,1-Trichloroethane	439.4	10.0	ug/L	501	ND	87.7	63-133	6.47	23	
Carbon Tetrachloride	477.5	10.0	ug/L	501	ND	95.3	63-142	6.15	22	
Benzene	774.1	10.0	ug/L	504	194.6	115	69-133	4.03	18	
1,2-Dichloroethane	483.7	10.0	ug/L	501	ND	96.6	63-138	2.21	20	
Trichloroethylene	471.4	10.0	ug/L	501	ND	94.1	71-133	5.13	23	
1,2-Dichloropropane	479.8	10.0	ug/L	501	ND	95.8	69-132	4.94	20	
Dibromomethane	477.3	10.0	ug/L	504	ND	94.8	70-147	2.59	22	
Bromodichloromethane	495.7	10.0	ug/L	501	ND	99.0	67-130	3.00	21	
cis-1,3-Dichloropropene	482.4	10.0	ug/L	501	ND	96.3	61-126	3.42	21	
4-Methyl-2-pentanone (MIBK)	931.9	50.0	ug/L	1000	ND	93.2	55-147	1.82	23	
Toluene	495.5	10.0	ug/L	505	9.01	96.4	71-133	3.88	19	
trans-1,3-Dichloropropene	481.6	10.0	ug/L	501	ND	96.2	63-124	1.14	21	
1,1,2-Trichloroethane	481.0	10.0	ug/L	501	ND	96.0	69-133	2.52	19	
Tetrachloroethylene	487.1	10.0	ug/L	501	ND	97.2	70-124	7.49	24	
2-Hexanone (MBK)	952.5	50.0	ug/L	1000	ND	95.2	53-141	2.36	24	
Dibromochloromethane	510.1	10.0	ug/L	501	ND	102	74-122	1.90	21	
1,2-Dibromoethane	489.5	10.0	ug/L	502	ND	97.5	66-127	3.31	23	
Chlorobenzene	495.9	10.0	ug/L	501	ND	99.0	76-116	4.09	21	
1,1,1,2-Tetrachloroethane	494.3	10.0	ug/L	503	ND	98.2	77-121	3.81	25	
Ethylbenzene	565.6	10.0	ug/L	502	55.57	102	73-124	4.68	20	
Xylenes, total	1855	20.0	ug/L	1510	309.8	102	75-123	4.90	20	

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CERTIFICATE OF ANALYSIS

11L0925

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11L1079 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (11L1079-MSD1) Source: 31L0062-01 Prepared: 12/18/25 00:00 Analyzed: 12/18/25 18:14										
Styrene	523.1	10.0	ug/L	504	ND	104	70-120	4.43	23	
Bromoform	477.1	10.0	ug/L	501	ND	95.2	70-124	0.835	22	
1,2,3-Trichloropropane	486.2	10.0	ug/L	503	ND	96.6	62-135	0.288	28	
trans-1,4-Dichloro-2-butene	969.2	50.0	ug/L	1000	ND	96.9	50-120	0.965	26	
1,1,2,2-Tetrachloroethane	471.9	10.0	ug/L	501	ND	94.2	63-126	0.823	24	
1,4-Dichlorobenzene	483.9	10.0	ug/L	501	ND	96.5	72-119	3.39	24	
1,2-Dichlorobenzene	492.9	10.0	ug/L	501	ND	98.4	71-117	2.94	24	
1,2-Dibromo-3-chloropropane	462.3	50.0	ug/L	501	ND	92.2	49-134	1.40	28	
Surrogate: Dibromofluoromethane	442		ug/L	502		88.1	75-136			
Surrogate: 1,2-Dichloroethane-d4	449		ug/L	504		89.2	61-142			
Surrogate: Toluene-d8	492		ug/L	505		97.5	82-121			
Surrogate: 4-Bromofluorobenzene	500		ug/L	502		99.7	80-116			
Batch 11L1217 - EPA 5030B - EPA 8260D										
Blank (11L1217-BLK1) Prepared: 12/22/25 00:00 Analyzed: 12/22/25 15:03										
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	51.2		ug/L	50.2		102	57-128			
Surrogate: 1,2-Dichloroethane-d4	51.5		ug/L	50.4		102	49-135			
Surrogate: Toluene-d8	50.5		ug/L	50.5		100	82-116			
Surrogate: 4-Bromofluorobenzene	49.8		ug/L	50.2		99.2	77-114			
LCS (11L1217-BS1) Prepared: 12/22/25 00:00 Analyzed: 12/22/25 13:54										
Allyl chloride	60.32	1.0	ug/L	50.0		121	56-152			
Chloroprene	65.08	1.0	ug/L	50.0		130	58-152			
Methacrylonitrile	54.46	1.0	ug/L	50.0		109	67-129			
Methyl Methacrylate	51.37	1.0	ug/L	50.0		103	73-122			
Propionitrile	46.35	10.0	ug/L	50.0		92.7	57-157			
Surrogate: Dibromofluoromethane	51.4		ug/L	50.2		102	57-128			
Surrogate: 1,2-Dichloroethane-d4	51.0		ug/L	50.4		101	49-135			
Surrogate: Toluene-d8	50.2		ug/L	50.5		99.5	82-116			
Surrogate: 4-Bromofluorobenzene	49.6		ug/L	50.2		98.8	77-114			
LCS Dup (11L1217-BSD1) Prepared: 12/22/25 00:00 Analyzed: 12/22/25 14:17										
Allyl chloride	51.13	1.0	ug/L	50.0		102	56-152	16.5	16	R1
Chloroprene	57.75	1.0	ug/L	50.0		116	58-152	11.9	30	
Methacrylonitrile	52.45	1.0	ug/L	50.0		105	67-129	3.76	30	
Methyl Methacrylate	50.59	1.0	ug/L	50.0		101	73-122	1.53	17	
Propionitrile	49.00	10.0	ug/L	50.0		98.0	57-157	5.56	30	

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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 11L1217 - EPA 5030B - EPA 8260D										
LCS Dup (11L1217-BS1)				Prepared: 12/22/25 00:00 Analyzed: 12/22/25 14:17						
Surrogate: Dibromofluoromethane	51.0		ug/L	50.2		102	57-128			
Surrogate: 1,2-Dichloroethane-d4	50.1		ug/L	50.4		99.6	49-135			
Surrogate: Toluene-d8	50.7		ug/L	50.5		100	82-116			
Surrogate: 4-Bromofluorobenzene	49.4		ug/L	50.2		98.5	77-114			
Matrix Spike (11L1217-MS1)				Source: 11L0925-04 Prepared: 12/22/25 00:00 Analyzed: 12/22/25 15:49						
Allyl chloride	675.2	10.0	ug/L	500	ND	135	66-136			
Chloroprene	587.3	10.0	ug/L	500	ND	117	67-139			
Methacrylonitrile	518.1	10.0	ug/L	500	ND	104	60-140			
Methyl Methacrylate	549.8	10.0	ug/L	500	ND	110	86-112			
Propionitrile	500.5	100	ug/L	500	ND	100	52-182			
Surrogate: Dibromofluoromethane	540		ug/L	502		108	57-128			
Surrogate: 1,2-Dichloroethane-d4	578		ug/L	504		115	49-135			
Surrogate: Toluene-d8	499		ug/L	505		98.9	82-116			
Surrogate: 4-Bromofluorobenzene	496		ug/L	502		98.8	77-114			
Matrix Spike Dup (11L1217-MSD1)				Source: 11L0925-04 Prepared: 12/22/25 00:00 Analyzed: 12/22/25 16:11						
Allyl chloride	474.7	10.0	ug/L	500	ND	94.9	66-136	34.9	30	R1
Chloroprene	545.7	10.0	ug/L	500	ND	109	67-139	7.34	30	
Methacrylonitrile	543.6	10.0	ug/L	500	ND	109	60-140	4.80	30	
Methyl Methacrylate	568.5	10.0	ug/L	500	ND	114	86-112	3.34	30	Q2
Propionitrile	552.8	100	ug/L	500	ND	111	52-182	9.93	30	
Surrogate: Dibromofluoromethane	514		ug/L	502		102	57-128			
Surrogate: 1,2-Dichloroethane-d4	511		ug/L	504		101	49-135			
Surrogate: Toluene-d8	469		ug/L	505		92.9	82-116			
Surrogate: 4-Bromofluorobenzene	488		ug/L	502		97.2	77-114			
Inorganics Total	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11L0742 - Wet Chem Preparation - EPA 9014										
Blank (11L0742-BLK1)				Prepared: 12/12/25 10:56 Analyzed: 12/16/25 10:06						
Cyanide, total	<0.010	0.010	mg/L							
LCS (11L0742-BS1)				Prepared: 12/12/25 10:56 Analyzed: 12/16/25 10:06						
Cyanide, total	0.0559	0.010	mg/L	0.0600		93.2	64-125			
Matrix Spike (11L0742-MS1)				Source: 11L0925-04 Prepared: 12/12/25 10:56 Analyzed: 12/16/25 10:06						
Cyanide, total	0.0711	0.010	mg/L	0.0600	ND	118	64-134			
Matrix Spike Dup (11L0742-MSD1)				Source: 11L0925-04 Prepared: 12/12/25 10:56 Analyzed: 12/16/25 10:06						
Cyanide, total	0.0579	0.010	mg/L	0.0600	ND	96.4	64-134	20.5	25	
Determination of General Solvents	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

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Determination of General Solvents	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11L1289 - Semi-Vol GC - EPA 8015C										
Blank (11L1289-BLK1)				Prepared: 12/23/25 16:32 Analyzed: 12/23/25 22:43						
Isobutanol	<1.0	1.0	mg/L							
LCS (11L1289-BS1)				Prepared: 12/23/25 16:32 Analyzed: 12/23/25 19:23						
Isobutanol	28.18	1.0	mg/L	24.0		117	77-128			
Matrix Spike (11L1289-MS1)				Source: 11L0925-04 Prepared: 12/23/25 16:32 Analyzed: 12/23/25 23:58						
Isobutanol	23.36	1.0	mg/L	24.0	ND	97.3	68-127			
Matrix Spike Dup (11L1289-MSD1)				Source: 11L0925-04 Prepared: 12/23/25 16:32 Analyzed: 12/24/25 00:23						
Isobutanol	23.61	1.0	mg/L	24.0	ND	98.4	68-127	1.09	30	

Metals Total by AA	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11L0857 - EPA 7470A Hg Water - EPA 7470A										
Blank (11L0857-BLK1)				Prepared: 12/16/25 06:19 Analyzed: 12/17/25 08:24						
Mercury	<0.00050	0.00050	mg/L							
LCS (11L0857-BS1)				Prepared: 12/16/25 06:19 Analyzed: 12/17/25 08:26						
Mercury	0.00263	0.00050	mg/L	0.00250		105	80-120			
Matrix Spike (11L0857-MS1)				Source: 11L0925-04 Prepared: 12/16/25 06:19 Analyzed: 12/17/25 08:31						
Mercury	0.00256	0.00050	mg/L	0.00250	ND	103	75-125			
Matrix Spike Dup (11L0857-MSD1)				Source: 11L0925-04 Prepared: 12/16/25 06:19 Analyzed: 12/17/25 08:33						
Mercury	0.00258	0.00050	mg/L	0.00250	ND	103	75-125	0.688	20	

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11L0822 - 3510C BNA Sep Fnl - EPA 8270C										
Blank (11L0822-BLK1)				Prepared: 12/15/25 14:18 Analyzed: 12/29/25 09:00						
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							



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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 11L0822 - 3510C BNA Sep Fnl - EPA 8270C									
Blank (11L0822-BLK1)				Prepared: 12/15/25 14:18 Analyzed: 12/29/25 09:00					
o-Toluidine	<8	8	ug/L						
(3 & 4)-Methylphenol	<8	8	ug/L						
Hexachloroethane	<8	8	ug/L						
Nitrobenzene	<8	8	ug/L						
N-Nitrosopiperidine	<8	8	ug/L						
Isophorone	<8	8	ug/L						
2-Nitrophenol	<8	8	ug/L						
2,4-Dimethylphenol	<8	8	ug/L						
Bis (2-Chloroethoxy) Methane	<8	8	ug/L						
2,4-Dichlorophenol	<8	8	ug/L						
Naphthalene	<8	8	ug/L						
4-Chloroaniline	<8	8	ug/L						
2,6-Dichlorophenol	<8	8	ug/L						
Hexachloropropene	<8	8	ug/L						
Hexachlorobutadiene	<8	8	ug/L						
N-Nitrosodi-n-butylamine	<8	8	ug/L						
1,4-Phenylenediamine	<8	8	ug/L						
4-Chloro-3-methylphenol	<8	8	ug/L						
2-Methylnaphthalene	<8	8	ug/L						
Isosafrole	<8	8	ug/L						
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L						
Hexachlorocyclopentadiene	<8	8	ug/L						
2,4,6-Trichlorophenol	<8	8	ug/L						
2,4,5-Trichlorophenol	<8	8	ug/L						
Safrole	<8	8	ug/L						
2-Chloronaphthalene	<8	8	ug/L						
2-Nitroaniline	<8	8	ug/L						
1,4-Naphthoquinone	<8	8	ug/L						
Dimethylphthalate	<8	8	ug/L						
1,3-Dinitrobenzene	<8	8	ug/L						
1,2-Dinitrobenzene	<8	8	ug/L						
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						

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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 11L0822 - 3510C BNA Sep Fnl - EPA 8270C									
Blank (11L0822-BLK1)				Prepared: 12/15/25 14:18 Analyzed: 12/29/25 09:00					
2-Naphthylamine	<8	8	ug/L						
Diethyl Phthalate	<8	8	ug/L						
Fluorene	<8	8	ug/L						
4-Chlorophenyl Phenyl Ether	<8	8	ug/L						
4-Nitroaniline	<8	8	ug/L						
5-Nitro-o-toluidine	<8	8	ug/L						
4,6-Dinitro-2-methylphenol	<8	8	ug/L						
N-Nitrosodiphenylamine	<8	8	ug/L						
Diphenylamine	<8	8	ug/L						
Azobenzene	<8	8	ug/L						
Diallate	<8	8	ug/L						
1,3,5-Trinitrobenzene	<8	8	ug/L						
Phenacetin	<8	8	ug/L						
4-Bromophenyl Phenyl Ether	<8	8	ug/L						
4-Aminobiphenyl	<8	8	ug/L						
Pentachlorophenol	<8	8	ug/L						
Pronamide	<8	8	ug/L						
Pentachloronitrobenzene (PCNB)	<8	8	ug/L						
Phenanthrene	<8	8	ug/L						
Anthracene	<8	8	ug/L						
Di-n-butyl Phthalate	<8	8	ug/L						
Methapyrilene	<8	8	ug/L						
Fluoranthene	<8	8	ug/L						
Isodrin	<8	8	ug/L						
Chlorobenzilate	<8	8	ug/L						
Pyrene	<8	8	ug/L						
p-(Dimethylamino)azobenzene	<8	8	ug/L						
3,3-Dimethylbenzidine	<8	8	ug/L						
Butyl Benzyl Phthalate	<8	8	ug/L						
Benzo(a)anthracene	<8	8	ug/L						
Chrysene	<8	8	ug/L						
Bis(2-Ethylhexyl) Phthalate	<6	6	ug/L						
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						

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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 11L0822 - 3510C BNA Sep Fnl - EPA 8270C									
Blank (11L0822-BLK1)									
				Prepared: 12/15/25 14:18 Analyzed: 12/29/25 09:00					
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	8.43		ug/L	20.2		41.7 10-159			
Surrogate: Phenol-d6	ND		ug/L	19.8		26.4 10-162			
Surrogate: Nitrobenzene-d5	12.0		ug/L	19.5		61.7 17-154			
Surrogate: 2-Fluorobiphenyl	12.4		ug/L	19.4		64.0 15-150			
Surrogate: 2,4,6-Tribromophenol	19.9		ug/L	20.5		97.1 10-156			
Surrogate: Terphenyl-d14	10.2		ug/L	12.2		84.1 10-179			
LCS (11L0822-BS1)									
				Prepared: 12/15/25 14:18 Analyzed: 12/29/25 09:50					
N-Nitrosodimethylamine	<8	8	ug/L	12.0	8.67	12-122			Q3
Methyl Methanesulfonate	<8	8	ug/L	12.0	17.8	49-110			Q3
N-Nitrosodiethylamine	<8	8	ug/L	12.0	23.3	19-139			
N-Nitrosomethylethylamine	<8	8	ug/L	12.0	20.4	13-158			
Ethyl Methanesulfonate	<8	8	ug/L	12.0	23.6	50-110			Q3
Phenol	<8	8	ug/L	12.0	19.9	15-130			
Bis(2-Chloroethyl) Ether	<8	8	ug/L	12.0	23.7	28-128			Q3
2-Chlorophenol	<8	8	ug/L	12.0	24.6	12-155			
Benzyl Alcohol	<8	8	ug/L	12.0	27.8	13-143			
2-Methylphenol (o-Cresol)	<8	8	ug/L	12.0	30.3	37-125			Q3
Bis[2-Chloroisopropyl]ether	<8	8	ug/L	12.0	21.2	31-130			Q3
n-Nitroso-di-n-propylamine	<8	8	ug/L	12.0	32.0	38-128			Q3
N-Nitrosopyrrolidine	<8	8	ug/L	12.0	43.9	22-143			
Acetophenone	<8	8	ug/L	12.0	30.5	52-120			Q3
o-Toluidine	<8	8	ug/L	12.0	31.5	10-110			
(3 & 4)-Methylphenol	<8	8	ug/L	12.0	35.2	35-129			
Hexachloroethane	<8	8	ug/L	12.0	8.92	19-110			Q3
Nitrobenzene	<8	8	ug/L	12.0	28.6	26-148			
N-Nitrosopiperidine	<8	8	ug/L	12.0	43.1	23-140			
Isophorone	<8	8	ug/L	12.0	41.2	37-134			
2-Nitrophenol	<8	8	ug/L	12.0	32.0	37-127			Q3
2,4-Dimethylphenol	<8	8	ug/L	12.0	50.2	36-131			
Bis (2-Chloroethoxy) Methane	<8	8	ug/L	12.0	35.6	31-119			
2,4-Dichlorophenol	<8	8	ug/L	12.0	46.2	32-148			
Naphthalene	<8	8	ug/L	12.0	22.8	37-110			Q3
4-Chloroaniline	<8	8	ug/L	12.0	38.8	10-110			
2,6-Dichlorophenol	<8	8	ug/L	12.0	43.8	28-154			
Hexachloropropene	<8	8	ug/L	12.0	21.4	10-110			
Hexachlorobutadiene	<8	8	ug/L	12.0	15.8	21-110			Q3
N-Nitrosodi-n-butylamine	<8	8	ug/L	12.0	58.6	24-135			
4-Chloro-3-methylphenol	8.2	8	ug/L	12.0	68.6	32-146			
2-Methylnaphthalene	<8	8	ug/L	12.0	30.9	36-113			Q3

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Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11L0822 - 3510C BNA Sep Fnl - EPA 8270C									
LCS (11L0822-BS1)				Prepared: 12/15/25 14:18 Analyzed: 12/29/25 09:50					
Isosafrole	<8	8	ug/L	12.0		37.2	43-117		Q3
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L	12.0		39.8	34-110		
Hexachlorocyclopentadiene	<8	8	ug/L	12.0		8.58	10-110		Q3
2,4,6-Trichlorophenol	8.4	8	ug/L	12.0		69.9	32-159		
2,4,5-Trichlorophenol	8.6	8	ug/L	12.0		71.6	35-164		
Safrole	<8	8	ug/L	12.0		48.1	34-122		
2-Chloronaphthalene	<8	8	ug/L	12.0		36.5	18-136		
2-Nitroaniline	8.5	8	ug/L	12.0		71.2	35-151		
1,4-Naphthoquinone	<8	8	ug/L	12.0		65.0	32-188		
Dimethylphthalate	9.6	8	ug/L	12.0		80.1	39-147		
1,3-Dinitrobenzene	8.5	8	ug/L	12.0		71.0	30-163		
1,2-Dinitrobenzene	8.8	8	ug/L	12.0		73.0	31-159		
2,6-Dinitrotoluene	9.4	8	ug/L	12.0		78.4	42-144		
Acenaphthylene	<8	8	ug/L	12.0		51.5	35-122		
3-Nitroaniline	12.6	8	ug/L	12.0		105	10-135		
Acenaphthene	<8	8	ug/L	12.0		51.6	37-128		
2,4-Dinitrophenol	8.2	8	ug/L	12.0		68.2	31-164		
4-Nitrophenol	<8	8	ug/L	12.0		47.2	11-175		
Dibenzofuran	<8	8	ug/L	12.0		59.1	36-132		
2,4-Dinitrotoluene	10.5	8	ug/L	12.0		87.2	45-142		
2,3,4,6-Tetrachlorophenol	11.5	8	ug/L	12.0		95.8	22-159		
Pentachlorobenzene	8.2	8	ug/L	12.0		68.4	45-125		
1-Naphthylamine	<8	8	ug/L	12.0		64.0	10-152		
2-Naphthylamine	8.8	8	ug/L	12.0		73.1	19-128		
Diethyl Phthalate	10.4	8	ug/L	12.0		87.1	38-155		
Fluorene	8.2	8	ug/L	12.0		67.9	40-131		
4-Chlorophenyl Phenyl Ether	8.8	8	ug/L	12.0		73.5	36-130		
4-Nitroaniline	9.9	8	ug/L	12.0		82.7	10-142		
5-Nitro-o-toluidine	9.9	8	ug/L	12.0		82.5	10-172		
4,6-Dinitro-2-methylphenol	8.5	8	ug/L	12.0		70.9	32-150		
N-Nitrosodiphenylamine	9.0	8	ug/L	12.0		75.1	10-154		
Diphenylamine	9.0	8	ug/L	12.0		75.1	10-166		
Azobenzene	8.6	8	ug/L	12.0		71.7	33-144		
Diallate	8.4	8	ug/L	12.0		70.0	47-152		
1,3,5-Trinitrobenzene	10.0	8	ug/L	12.0		83.1	51-151		
Phenacetin	9.9	8	ug/L	12.0		82.4	58-143		
4-Bromophenyl Phenyl Ether	10.8	8	ug/L	12.0		89.8	38-141		
4-Aminobiphenyl	9.2	8	ug/L	12.0		77.0	10-178		
Pentachlorophenol	9.4	8	ug/L	12.0		77.9	21-154		
Pronamide	10.1	8	ug/L	12.0		83.8	27-143		
Pentachloronitrobenzene (PCNB)	12.9	8	ug/L	12.0		108	51-163		

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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 11L0822 - 3510C BNA Sep Fnl - EPA 8270C									
LCS (11L0822-BS1)									
Prepared: 12/15/25 14:18 Analyzed: 12/29/25 09:50									
Phenanthrene	9.1	8	ug/L	12.0		76.1 42-141			
Anthracene	9.3	8	ug/L	12.0		77.5 43-136			
Di-n-butyl Phthalate	10.1	8	ug/L	12.0		83.8 44-158			
Methapyrene	<8	8	ug/L	13.0		40.7 60-140			Q3
Fluoranthene	10.9	8	ug/L	12.0		91.2 44-145			
Isodrin	<8	8	ug/L	12.0		64.8 54-126			
Chlorobenzilate	9.7	8	ug/L	12.0		80.8 25-164			
Pyrene	8.8	8	ug/L	12.0		73.4 37-155			
p-(Dimethylamino)azobenzene	8.1	8	ug/L	12.0		67.6 10-175			
3,3-Dimethylbenzidine	<8	8	ug/L	12.0		56.0 10-145			
Butyl Benzyl Phthalate	8.4	8	ug/L	12.0		69.8 35-163			
Benzo(a)anthracene	9.8	8	ug/L	12.0		81.8 40-142			
Chrysene	9.8	8	ug/L	12.0		81.3 45-142			
Bis(2-Ethylhexyl) Phthalate	9.6	6	ug/L	12.0		80.0 32-180			
Kepone	30.3	8	ug/L	12.0		253 10-147			Q2
2-Acetylaminofluorene	8.9	8	ug/L	12.0		73.9 27-177			
Di-n-octyl Phthalate	8.2	8	ug/L	12.0		68.1 32-181			
Benzo(b)Fluoranthene	10.0	8	ug/L	12.0		83.2 40-160			
7,12-Dimethylbenz [a] anthracene	9.3	8	ug/L	12.0		77.8 46-128			
Benzo(k)Fluoranthene	10.1	8	ug/L	12.0		84.5 42-159			
Benzo(a)Pyrene	10.1	8	ug/L	12.0		83.9 45-143			
3-Methylcholanthrene	9.8	8	ug/L	12.0		81.8 10-164			
Dibenzo(a,h)anthracene	10.7	8	ug/L	12.0		89.3 30-159			
Indeno(1,2,3-cd)Pyrene	10.7	8	ug/L	12.0		89.4 31-156			
Benzo(g,h,i)perylene	11.4	8	ug/L	12.0		94.6 26-158			
Surrogate: 2-Fluorophenol	3.65		ug/L	20.2		18.0 10-159			
Surrogate: Phenol-d6	3.84		ug/L	19.8		19.4 10-162			
Surrogate: Nitrobenzene-d5	6.80		ug/L	19.5		34.9 34-138			
Surrogate: 2-Fluorobiphenyl	11.4		ug/L	19.4		59.0 42-129			
Surrogate: 2,4,6-Tribromophenol	33.1		ug/L	20.5		161 10-156			S1
Surrogate: Terphenyl-d14	13.2		ug/L	12.2		108 46-154			
LCS Dup (11L0822-BSD1)									
Prepared: 12/15/25 14:18 Analyzed: 12/29/25 10:15									
N-Nitrosodimethylamine	<8	8	ug/L	12.0		31.1 12-122	113	27	R1
Methyl Methanesulfonate	<8	8	ug/L	12.0		44.8 49-110	86.4	16	Q5, R1
N-Nitrosodiethylamine	<8	8	ug/L	12.0		55.0 19-139	80.9	30	R1
N-Nitrosomethylethylamine	<8	8	ug/L	12.0		48.6 13-158	81.6	30	R1
Ethyl Methanesulfonate	<8	8	ug/L	12.0		51.1 50-110	73.7	17	R1
Phenol	<8	8	ug/L	12.0		25.3 15-130	23.9	30	
Bis(2-Chloroethyl) Ether	8.1	8	ug/L	12.0		67.2 28-128	95.9	24	R1
2-Chlorophenol	<8	8	ug/L	12.0		50.4 12-155	68.9	30	R1
Benzyl Alcohol	<8	8	ug/L	12.0		45.2 13-143	47.7	30	R1

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CERTIFICATE OF ANALYSIS

11L0925

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch 11L0822 - 3510C BNA Sep Fnl - EPA 8270C								
LCS Dup (11L0822-BSD1)								
Prepared: 12/15/25 14:18 Analyzed: 12/29/25 10:15								
2-Methylphenol (o-Cresol)	<8	8	ug/L	12.0	44.6	37-125	38.0 30	R1
Bis[2-Chloroisopropyl]ether	<8	8	ug/L	12.0	52.1	31-130	84.4 26	R1
n-Nitroso-di-n-propylamine	<8	8	ug/L	12.0	52.7	38-128	48.8 21	R1
N-Nitrosopyrrolidine	<8	8	ug/L	12.0	58.1	22-143	27.8 30	
Acetophenone	<8	8	ug/L	12.0	60.8	52-120	66.3 22	R1
o-Toluidine	<8	8	ug/L	12.0	53.2	10-110	51.3 30	R1
(3 & 4)-Methylphenol	<8	8	ug/L	12.0	46.2	35-129	27.2 30	
Hexachloroethane	<8	8	ug/L	12.0	26.7	19-110	99.8 30	R1
Nitrobenzene	<8	8	ug/L	12.0	54.5	26-148	62.4 30	R1
N-Nitrosopiperidine	<8	8	ug/L	12.0	60.6	23-140	33.8 30	R1
Isophorone	<8	8	ug/L	12.0	57.9	37-134	33.6 26	R1
2-Nitrophenol	<8	8	ug/L	12.0	56.1	37-127	54.7 30	R1
2,4-Dimethylphenol	8.1	8	ug/L	12.0	67.3	36-131	29.1 30	
Bis (2-Chloroethoxy) Methane	<8	8	ug/L	12.0	58.0	31-119	47.9 30	R1
2,4-Dichlorophenol	<8	8	ug/L	12.0	56.6	32-148	20.1 30	
Naphthalene	<8	8	ug/L	12.0	39.8	37-110	54.6 30	R1
4-Chloroaniline	<8	8	ug/L	12.0	46.5	10-110	18.0 30	
2,6-Dichlorophenol	<8	8	ug/L	12.0	62.1	28-154	34.6 30	R1
Hexachloropropene	<8	8	ug/L	12.0	50.0	10-110	80.0 30	R1
Hexachlorobutadiene	<8	8	ug/L	12.0	31.8	21-110	67.6 30	R1
N-Nitrosodi-n-butylamine	<8	8	ug/L	12.0	65.0	24-135	10.4 30	
4-Chloro-3-methylphenol	8.7	8	ug/L	12.0	72.3	32-146	5.32 30	
2-Methylnaphthalene	<8	8	ug/L	12.0	41.5	36-113	29.2 26	R1
Isosafrole	<8	8	ug/L	12.0	54.8	43-117	38.2 29	R1
1,2,4,5-Tetrachlorobenzene	<8	8	ug/L	12.0	54.7	34-110	31.4 30	R1
Hexachlorocyclopentadiene	<8	8	ug/L	12.0	14.8	10-110	52.9 30	R1
2,4,6-Trichlorophenol	8.7	8	ug/L	12.0	72.3	32-159	3.40 30	
2,4,5-Trichlorophenol	8.8	8	ug/L	12.0	73.8	35-164	2.98 30	
Safrole	<8	8	ug/L	12.0	57.2	34-122	17.3 30	
2-Chloronaphthalene	<8	8	ug/L	12.0	45.1	18-136	21.0 30	
2-Nitroaniline	8.8	8	ug/L	12.0	73.2	35-151	2.77 21	
1,4-Naphthoquinone	8.7	8	ug/L	12.0	72.7	32-188	11.1 30	
Dimethylphthalate	9.6	8	ug/L	12.0	79.7	39-147	0.522 22	
1,3-Dinitrobenzene	8.7	8	ug/L	12.0	72.5	30-163	2.09 26	
1,2-Dinitrobenzene	9.0	8	ug/L	12.0	75.4	31-159	3.26 26	
2,6-Dinitrotoluene	9.5	8	ug/L	12.0	79.2	42-144	1.06 20	
Acenaphthylene	<8	8	ug/L	12.0	53.4	35-122	3.65 30	
3-Nitroaniline	9.7	8	ug/L	12.0	80.8	10-135	25.6 30	
Acenaphthene	<8	8	ug/L	12.0	53.5	37-128	3.65 30	
2,4-Dinitrophenol	<8	8	ug/L	12.0	56.8	31-164	18.3 30	
4-Nitrophenol	<8	8	ug/L	12.0	40.4	11-175	15.4 30	
Dibenzofuran	<8	8	ug/L	12.0	59.0	36-132	0.141 30	

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CERTIFICATE OF ANALYSIS

11L0925

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch 11L0822 - 3510C BNA Sep Fnl - EPA 8270C								
LCS Dup (11L0822-BSD1)				Prepared: 12/15/25 14:18 Analyzed: 12/29/25 10:15				
2,4-Dinitrotoluene	10.7	8	ug/L	12.0	89.5	45-142	2.55	20
2,3,4,6-Tetrachlorophenol	11.9	8	ug/L	12.0	98.9	22-159	3.17	30
Pentachlorobenzene	8.8	8	ug/L	12.0	73.7	45-125	7.39	30
1-Naphthylamine	<8	8	ug/L	12.0	64.2	10-152	0.260	30
2-Naphthylamine	8.5	8	ug/L	12.0	70.5	19-128	3.60	30
Diethyl Phthalate	10.6	8	ug/L	12.0	88.7	38-155	1.80	30
Fluorene	<8	8	ug/L	12.0	65.3	40-131	3.88	30
4-Chlorophenyl Phenyl Ether	8.4	8	ug/L	12.0	69.8	36-130	5.24	22
4-Nitroaniline	10.1	8	ug/L	12.0	83.8	10-142	1.40	30
5-Nitro-o-toluidine	10.1	8	ug/L	12.0	83.9	10-172	1.70	30
4,6-Dinitro-2-methylphenol	8.8	8	ug/L	12.0	73.1	32-150	3.01	30
N-Nitrosodiphenylamine	9.4	8	ug/L	12.0	78.2	10-154	4.02	30
Diphenylamine	9.4	8	ug/L	12.0	78.2	10-166	4.02	30
Azobenzene	8.5	8	ug/L	12.0	70.7	33-144	1.41	27
Diallate	9.0	8	ug/L	12.0	74.9	47-152	6.79	30
1,3,5-Trinitrobenzene	11.3	8	ug/L	12.0	94.3	51-151	12.7	30
Phenacetin	11.1	8	ug/L	12.0	92.8	58-143	11.8	24
4-Bromophenyl Phenyl Ether	10.6	8	ug/L	12.0	88.2	38-141	1.87	17
4-Aminobiphenyl	9.3	8	ug/L	12.0	77.4	10-178	0.540	30
Pentachlorophenol	9.4	8	ug/L	12.0	78.4	21-154	0.640	30
Pronamide	11.2	8	ug/L	12.0	93.5	27-143	10.9	30
Pentachloronitrobenzene (PCNB)	14.1	8	ug/L	12.0	118	51-163	8.96	30
Phenanthrene	9.3	8	ug/L	12.0	77.8	42-141	2.27	30
Anthracene	9.6	8	ug/L	12.0	79.9	43-136	3.07	30
Di-n-butyl Phthalate	10.5	8	ug/L	12.0	87.2	44-158	3.99	23
Methapyrilene	<8	8	ug/L	13.0	42.2	60-140	3.71	30 Q3
Fluoranthene	11.4	8	ug/L	12.0	95.2	44-145	4.38	26
Isodrin	8.8	8	ug/L	12.0	73.2	54-126	12.1	30
Chlorobenzilate	10.8	8	ug/L	12.0	90.0	25-164	10.8	30
Pyrene	9.1	8	ug/L	12.0	75.8	37-155	3.24	24
p-(Dimethylamino)azobenzene	8.4	8	ug/L	12.0	70.2	10-175	3.87	30
3,3-Dimethylbenzidine	<8	8	ug/L	12.0	58.5	10-145	4.37	30
Butyl Benzyl Phthalate	8.7	8	ug/L	12.0	72.4	35-163	3.75	21
Benzo(a)anthracene	10.2	8	ug/L	12.0	84.9	40-142	3.70	20
Chrysene	10.3	8	ug/L	12.0	85.8	45-142	5.38	30
Bis(2-Ethylhexyl) Phthalate	9.8	6	ug/L	12.0	81.8	32-180	2.16	30
Kepone	33.2	8	ug/L	12.0	276	10-147	8.85	30 Q2
2-Acetylaminofluorene	9.2	8	ug/L	12.0	76.2	27-177	3.11	30
Di-n-octyl Phthalate	8.5	8	ug/L	12.0	71.1	32-181	4.31	16
Benzo(b)Fluoranthene	10.3	8	ug/L	12.0	86.0	40-160	3.35	24
7,12-Dimethylbenz [a] anthracene	10.4	8	ug/L	12.0	86.8	46-128	10.8	30

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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 11L0822 - 3510C BNA Sep Fnl - EPA 8270C									
LCS Dup (11L0822-BSD1)				Prepared: 12/15/25 14:18 Analyzed: 12/29/25 10:15					
Benzo(k)Fluoranthene	10.6	8	ug/L	12.0	88.1	42-159	4.15	20	
Benzo(a)Pyrene	10.5	8	ug/L	12.0	87.8	45-143	4.56	30	
3-Methylcholanthrene	10.9	8	ug/L	12.0	90.7	10-164	10.3	30	
Dibenzo(a,h)anthracene	11.3	8	ug/L	12.0	93.8	30-159	4.91	26	
Indeno(1,2,3-cd)Pyrene	11.2	8	ug/L	12.0	93.1	31-156	4.02	30	
Benzo(g,h,i)perylene	11.8	8	ug/L	12.0	98.4	26-158	3.97	30	
Surrogate: 2-Fluorophenol	8.86		ug/L	20.2	43.8	10-159			
Surrogate: Phenol-d6	5.95		ug/L	19.8	30.0	10-162			
Surrogate: Nitrobenzene-d5	13.0		ug/L	19.5	66.7	34-138			
Surrogate: 2-Fluorobiphenyl	14.2		ug/L	19.4	73.0	42-129			
Surrogate: 2,4,6-Tribromophenol	33.0		ug/L	20.5	161	10-156			S1
Surrogate: Terphenyl-d14	13.8		ug/L	12.2	113	46-154			
Metals Total by ICPMS	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11L0788 - EPA 3005A Total Recoverable Metals - EPA 6020A									
Blank (11L0788-BLK1)				Prepared: 12/15/25 07:16 Analyzed: 12/16/25 22:29					
Antimony	<0.0010	0.0010	mg/L						B
Arsenic	<0.0020	0.0020	mg/L						
Barium	<0.0010	0.0010	mg/L						
Beryllium	<0.0005	0.0005	mg/L						
Cadmium	<0.0002	0.0002	mg/L						
Chromium	<0.0010	0.0010	mg/L						B
Cobalt	<0.0005	0.0005	mg/L						
Copper	<0.0050	0.0050	mg/L						
Lead	<0.0010	0.0010	mg/L						
Nickel	<0.0050	0.0050	mg/L						
Selenium	<0.0020	0.0020	mg/L						
Silver	<0.0050	0.0050	mg/L						
Thallium	<0.0005	0.0005	mg/L						
Tin	<0.0050	0.0050	mg/L						
Vanadium	<0.0020	0.0020	mg/L						
Zinc	0.0076	0.0050	mg/L						B
LCS (11L0788-BS1)				Prepared: 12/15/25 07:16 Analyzed: 12/16/25 22:32					
Antimony	0.0961	0.0010	mg/L	0.100	96.1	80-120			
Arsenic	0.0973	0.0020	mg/L	0.100	97.3	80-120			
Barium	0.105	0.0010	mg/L	0.100	105	80-120			
Beryllium	0.0917	0.0005	mg/L	0.100	91.7	80-120			
Cadmium	0.0955	0.0002	mg/L	0.100	95.5	80-120			
Chromium	0.0956	0.0010	mg/L	0.100	95.6	80-120			
Cobalt	0.0959	0.0005	mg/L	0.100	95.9	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 11L0788 - EPA 3005A Total Recoverable Metals - EPA 6020A										
LCS (11L0788-BS1) Prepared: 12/15/25 07:16 Analyzed: 12/16/25 22:32										
Copper	0.0927	0.0050	mg/L	0.100		92.7	80-120			
Lead	0.0913	0.0010	mg/L	0.100		91.3	80-120			
Nickel	0.0963	0.0050	mg/L	0.100		96.3	80-120			
Selenium	0.0963	0.0020	mg/L	0.100		96.3	80-120			
Silver	0.0989	0.0050	mg/L	0.100		98.9	80-120			
Thallium	0.0917	0.0005	mg/L	0.100		91.7	80-120			
Tin	0.100	0.0050	mg/L	0.100		100	80-120			
Vanadium	0.100	0.0020	mg/L	0.100		100	80-120			
Zinc	0.0870	0.0050	mg/L	0.100		87.0	80-120			
Matrix Spike (11L0788-MS1) Source: 11L0925-01 Prepared: 12/15/25 07:16 Analyzed: 12/16/25 22:37										
Antimony	0.0967	0.0010	mg/L	0.100	0.0006	96.0	75-125			
Arsenic	0.0970	0.0020	mg/L	0.100	0.0008	96.2	75-125			
Barium	0.523	0.0010	mg/L	0.100	0.405	117	75-125			
Beryllium	0.0946	0.0005	mg/L	0.100	ND	94.6	75-125			
Cadmium	0.0949	0.0002	mg/L	0.100	0.0003	94.6	75-125			
Chromium	0.0943	0.0010	mg/L	0.100	0.0010	93.3	75-125			
Cobalt	0.0947	0.0005	mg/L	0.100	0.0034	91.3	75-125			
Copper	0.0885	0.0050	mg/L	0.100	0.0026	86.0	75-125			
Lead	0.0914	0.0010	mg/L	0.100	ND	91.4	75-125			
Nickel	0.103	0.0050	mg/L	0.100	0.0119	91.4	75-125			
Selenium	0.0965	0.0020	mg/L	0.100	ND	96.5	75-125			
Silver	0.101	0.0050	mg/L	0.100	ND	101	75-125			
Thallium	0.0930	0.0005	mg/L	0.100	0.00004	93.0	75-125			
Tin	0.102	0.0050	mg/L	0.100	ND	102	75-125			
Vanadium	0.103	0.0020	mg/L	0.100	ND	103	75-125			
Zinc	0.0833	0.0050	mg/L	0.100	0.0066	76.7	75-125			
Matrix Spike Dup (11L0788-MSD1) Source: 11L0925-01 Prepared: 12/15/25 07:16 Analyzed: 12/16/25 22:40										
Antimony	0.100	0.0010	mg/L	0.100	0.0006	99.6	75-125	3.59	20	
Arsenic	0.0986	0.0020	mg/L	0.100	0.0008	97.8	75-125	1.67	20	
Barium	0.536	0.0010	mg/L	0.100	0.405	131	75-125	2.51	20	M1
Beryllium	0.0972	0.0005	mg/L	0.100	ND	97.2	75-125	2.73	20	
Cadmium	0.0977	0.0002	mg/L	0.100	0.0003	97.4	75-125	2.96	20	
Chromium	0.0955	0.0010	mg/L	0.100	0.0010	94.5	75-125	1.22	20	
Cobalt	0.0957	0.0005	mg/L	0.100	0.0034	92.3	75-125	1.04	20	
Copper	0.0913	0.0050	mg/L	0.100	0.0026	88.7	75-125	3.02	20	
Lead	0.0930	0.0010	mg/L	0.100	ND	93.0	75-125	1.71	20	
Nickel	0.106	0.0050	mg/L	0.100	0.0119	94.2	75-125	2.67	20	
Selenium	0.0970	0.0020	mg/L	0.100	ND	97.0	75-125	0.556	20	
Silver	0.104	0.0050	mg/L	0.100	ND	104	75-125	3.56	20	
Thallium	0.0948	0.0005	mg/L	0.100	0.00004	94.8	75-125	2.00	20	
Tin	0.105	0.0050	mg/L	0.100	ND	105	75-125	3.41	20	
Vanadium	0.105	0.0020	mg/L	0.100	ND	105	75-125	1.91	20	
Zinc	0.0861	0.0050	mg/L	0.100	0.0066	79.5	75-125	3.26	20	

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1IL0925

Metals Total by ICPMS	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IL0788 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Post Spike (1IL0788-PS1)		Source: 1IL0925-01		Prepared: 12/15/25 07:16 Analyzed: 12/16/25 22:42						
Antimony	0.0213		mg/L	0.0200	0.0006	103	80-120			
Arsenic	0.0209		mg/L	0.0200	0.0008	101	80-120			
Barium	0.424		mg/L	0.0200	0.405	93.0	80-120			
Beryllium	0.0203		mg/L	0.0200	0.000003	102	80-120			
Cadmium	0.0204		mg/L	0.0200	0.0003	100	80-120			
Chromium	0.0205		mg/L	0.0200	0.0010	98.0	80-120			
Cobalt	0.0225		mg/L	0.0200	0.0034	95.4	80-120			
Copper	0.0208		mg/L	0.0200	0.0026	91.1	80-120			
Lead	0.0190		mg/L	0.0200	0.00006	94.9	80-120			
Nickel	0.0309		mg/L	0.0200	0.0119	95.2	80-120			
Selenium	0.0207		mg/L	0.0200	-0.0005	103	80-120			
Silver	0.0207		mg/L	0.0200	0.0001	103	80-120			
Thallium	0.0194		mg/L	0.0200	0.00004	96.6	80-120			
Tin	0.0220		mg/L	0.0200	0.0003	108	75-125			
Vanadium	0.0199		mg/L	0.0200	0.0002	98.5	80-120			
Zinc	0.0228		mg/L	0.0200	0.0066	80.8	80-120			

Batch 1IL1039 - EPA 3005A Total Recoverable Metals - EPA 6020A

Blank (1IL1039-BLK1)		Prepared: 12/18/25 09:49 Analyzed: 12/18/25 19:31								
Zinc	<0.0050	0.0050	mg/L							B
LCS (1IL1039-BS1)		Prepared: 12/18/25 09:49 Analyzed: 12/19/25 11:08								
Zinc	0.105	0.0200	mg/L	0.100		105	80-120			
Matrix Spike (1IL1039-MS1)		Source: 1IL0925-01RE1		Prepared: 12/18/25 09:49 Analyzed: 12/18/25 19:44						
Zinc	0.0913	0.0200	mg/L	0.100	ND	91.3	75-125			
Matrix Spike Dup (1IL1039-MSD1)		Source: 1IL0925-01RE1		Prepared: 12/18/25 09:49 Analyzed: 12/18/25 19:52						
Zinc	0.0991	0.0200	mg/L	0.100	ND	99.1	75-125	8.19	20	
Post Spike (1IL1039-PS1)		Source: 1IL0925-01RE1		Prepared: 12/18/25 09:49 Analyzed: 12/18/25 19:54						
Zinc	0.0238		mg/L	0.0200	0.0054	92.3	80-120			

Determination of Organophosphorus Insecticides	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 1IL0764 - 3510C NP/OC Sep Fnl - EPA 8141

Blank (1IL0764-BLK1)		Prepared: 12/12/25 14:58 Analyzed: 12/23/25 14:26								
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							

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11L0925

Determination of Organophosphorus Insecticides	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11L0764 - 3510C NP/OC Sep Fnl - EPA 8141									
Blank (11L0764-BLK1)									
Prepared: 12/12/25 14:58 Analyzed: 12/23/25 14:26									
Famphur	<0.4	0.4	ug/L						
Surrogate: 2-Nitro-m-xylene	8.65		ug/L	13.9		62.1 32-110			
LCS (11L0764-BS1)									
Prepared: 12/12/25 14:58 Analyzed: 12/23/25 15:55									
O,O,O-Triethyl phosphorothioate	3.40	0.4	ug/L	4.00		85.1 31-156			
Thionazin	3.57	0.4	ug/L	4.00		89.2 60-128			
Phorate	4.15	0.4	ug/L	4.00		104 33-143			
Dimethoate	4.73	0.4	ug/L	4.00		118 60-172			
Disulfoton	3.14	0.4	ug/L	4.00		78.6 51-134			
Methyl Parathion	3.42	0.4	ug/L	4.00		85.4 65-121			
Parathion	3.34	0.4	ug/L	4.00		83.5 60-113			
Famphur	3.26	0.4	ug/L	4.00		81.6 65-133			
Surrogate: 2-Nitro-m-xylene	11.1		ug/L	13.9		79.9 32-110			
LCS Dup (11L0764-BSD1)									
Prepared: 12/12/25 14:58 Analyzed: 12/23/25 16:39									
O,O,O-Triethyl phosphorothioate	3.18	0.4	ug/L	4.00		79.6 31-156	6.68	30	
Thionazin	3.38	0.4	ug/L	4.00		84.4 60-128	5.62	30	
Phorate	3.86	0.4	ug/L	4.00		96.6 33-143	7.11	30	
Dimethoate	4.38	0.4	ug/L	4.00		109 60-172	7.80	30	
Disulfoton	2.80	0.4	ug/L	4.00		70.0 51-134	11.6	30	
Methyl Parathion	3.22	0.4	ug/L	4.00		80.5 65-121	5.88	30	
Parathion	3.10	0.4	ug/L	4.00		77.5 60-113	7.45	26	
Famphur	3.12	0.4	ug/L	4.00		77.9 65-133	4.70	30	
Surrogate: 2-Nitro-m-xylene	11.2		ug/L	13.9		80.4 32-110			
Determination of Chlorinated Phenoxy Herbicides	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11L0893 - EPA 8151A - EPA 8151A									
Blank (11L0893-BLK1)									
Prepared: 12/16/25 13:06 Analyzed: 12/22/25 20:57									
2,4-D	<2.0	2.0	ug/L						
2,4,5-TP (Silvex)	<0.5	0.5	ug/L						
2,4,5-T	<0.5	0.5	ug/L						
Dinoseb	<0.5	0.5	ug/L						
Surrogate: 2,5-Dichlorobenzoic Acid	2.24		ug/L	1.81		124 49-174			
LCS (11L0893-BS1)									
Prepared: 12/16/25 13:06 Analyzed: 12/22/25 21:27									
2,4-D	0.74	0.5	ug/L	1.00		73.6 38-135			
2,4,5-TP (Silvex)	<0.5	0.5	ug/L	0.500		94.1 50-137			
2,4,5-T	0.69	0.5	ug/L	0.500		137 49-157			
Dinoseb	0.89	0.5	ug/L	1.00		88.8 10-129			

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Determination of Chlorinated Phenoxy Herbicides	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11L0893 - EPA 8151A - EPA 8151A									
LCS (11L0893-BS1) Prepared: 12/16/25 13:06 Analyzed: 12/22/25 21:27									
Surrogate: 2,5-Dichlorobenzoic Acid	1.97		ug/L	1.81		109 49-174			
LCS Dup (11L0893-BSD1) Prepared: 12/16/25 13:06 Analyzed: 12/22/25 21:57									
2,4-D	0.81	0.5	ug/L	1.00		81.0 38-135	9.56	30	
2,4,5-TP (Silvex)	<0.5	0.5	ug/L	0.500		95.6 50-137	1.56	30	
2,4,5-T	0.70	0.5	ug/L	0.500		139 49-157	1.67	30	
Dinoseb	0.95	0.5	ug/L	1.00		95.2 10-129	7.04	30	

Surrogate: 2,5-Dichlorobenzoic Acid 2.30 ug/L 1.81 127 49-174

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11L0763 - 3510C NP/OC Sep Fnl - EPA 8081A									
Blank (11L0763-BLK1) Prepared: 12/12/25 14:59 Analyzed: 12/23/25 11:50									
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 0.474 ug/L 0.600 79.0 45-111

LCS (11L0763-BS1) Prepared: 12/12/25 14:59 Analyzed: 12/23/25 12:19									
Alpha-BHC	0.210	0.05	ug/L	0.250		84.2 60-125			
Gamma-BHC [Lindane]	0.211	0.05	ug/L	0.250		84.4 60-130			
Beta-BHC	0.224	0.05	ug/L	0.250		89.7 63-118			
Heptachlor	0.216	0.05	ug/L	0.250		86.6 67-130			

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CERTIFICATE OF ANALYSIS

11L0925

Determination of Organochlorine Insecticides & Metabolites	Result	RL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Notes
Batch 11L0763 - 3510C NP/OC Sep Fnl - EPA 8081A										
LCS (11L0763-BS1)				Prepared: 12/12/25 14:59 Analyzed: 12/23/25 12:19						
Delta-BHC	0.207	0.05	ug/L	0.250		82.9	65-143			
Aldrin	0.194	0.05	ug/L	0.250		77.7	59-114			
Heptachlor Epoxide	0.196	0.05	ug/L	0.250		78.3	56-129			
Endosulfan I	0.209	0.05	ug/L	0.250		83.7	64-134			
4,4`-DDE	0.216	0.05	ug/L	0.250		86.3	66-128			
Dieldrin	0.206	0.05	ug/L	0.250		82.2	62-121			
Endrin	0.225	0.05	ug/L	0.250		90.1	27-177			
4,4`-DDD	0.215	0.05	ug/L	0.250		85.9	64-131			
Endosulfan II	0.205	0.05	ug/L	0.250		82.0	68-130			
4,4`-DDT	0.203	0.05	ug/L	0.250		81.1	64-145			
Endrin Aldehyde	0.203	0.05	ug/L	0.250		81.4	50-135			
Endosulfan Sulfate	0.205	0.05	ug/L	0.250		81.9	72-121			
Methoxychlor	0.208	0.05	ug/L	0.250		83.2	60-157			
Surrogate: Tetrachloro-m-xylene	0.399		ug/L	0.600		66.6	45-111			
LCS Dup (11L0763-BSD1)				Prepared: 12/12/25 14:59 Analyzed: 12/23/25 12:33						
Alpha-BHC	0.218	0.05	ug/L	0.250		87.4	60-125	3.78	30	
Gamma-BHC [Lindane]	0.217	0.05	ug/L	0.250		87.0	60-130	2.96	30	
Beta-BHC	0.230	0.05	ug/L	0.250		91.8	63-118	2.28	30	
Heptachlor	0.239	0.05	ug/L	0.250		95.6	67-130	9.85	30	
Delta-BHC	0.209	0.05	ug/L	0.250		83.6	65-143	0.867	30	
Aldrin	0.200	0.05	ug/L	0.250		79.8	59-114	2.65	30	
Heptachlor Epoxide	0.201	0.05	ug/L	0.250		80.4	56-129	2.59	30	
Endosulfan I	0.214	0.05	ug/L	0.250		85.8	64-134	2.47	30	
4,4`-DDE	0.220	0.05	ug/L	0.250		88.1	66-128	2.07	30	
Dieldrin	0.210	0.05	ug/L	0.250		83.9	62-121	1.99	30	
Endrin	0.228	0.05	ug/L	0.250		91.3	27-177	1.34	30	
4,4`-DDD	0.213	0.05	ug/L	0.250		85.0	64-131	0.974	30	
Endosulfan II	0.206	0.05	ug/L	0.250		82.4	68-130	0.472	30	
4,4`-DDT	0.202	0.05	ug/L	0.250		81.0	64-145	0.136	30	
Endrin Aldehyde	0.192	0.05	ug/L	0.250		77.0	50-135	5.50	30	
Endosulfan Sulfate	0.206	0.05	ug/L	0.250		82.2	72-121	0.466	30	
Methoxychlor	0.203	0.05	ug/L	0.250		81.3	60-157	2.30	30	
Surrogate: Tetrachloro-m-xylene	0.438		ug/L	0.600		73.1	45-111			
Determination of Polychlorinated Biphenyls (PCB)	Result	RL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Notes
Batch 11L0762 - 3510C NP/OC Sep Fnl - EPA 8082A										
Blank (11L0762-BLK1)				Prepared: 12/12/25 15:00 Analyzed: 12/23/25 11:50						

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Determination of	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Polychlorinated Biphenyls (PCB)										
Batch 11L0762 - 3510C NP/OC Sep Fnl - EPA 8082A										
Blank (11L0762-BLK1)				Prepared: 12/12/25 15:00 Analyzed: 12/23/25 11:50						
Arochlor 1016	<0.20	0.20	ug/L							
Arochlor 1221	<0.20	0.20	ug/L							
Arochlor 1232	<0.20	0.20	ug/L							
Arochlor 1242	<0.20	0.20	ug/L							
Arochlor 1248	<0.20	0.20	ug/L							
Arochlor 1254	<0.20	0.20	ug/L							
Arochlor 1260	<0.20	0.20	ug/L							
Surrogate: Tetrachloro-m-xylene	0.455		ug/L	0.600		75.8	50-116			
Surrogate: Decachlorobiphenyl	0.493		ug/L	0.600		82.1	38-122			
LCS (11L0762-BS1)				Prepared: 12/12/25 15:00 Analyzed: 12/23/25 12:47						
Arochlor 1016	2.217	0.20	ug/L	2.60		85.3	54-124			
Arochlor 1260	2.062	0.20	ug/L	2.60		79.3	66-138			
Surrogate: Tetrachloro-m-xylene	0.428		ug/L	0.600		71.3	50-116			
Surrogate: Decachlorobiphenyl	0.451		ug/L	0.600		75.1	38-122			
LCS Dup (11L0762-BSD1)				Prepared: 12/12/25 15:00 Analyzed: 12/23/25 13:01						
Arochlor 1016	2.189	0.20	ug/L	2.60		84.2	54-124	1.29	20	
Arochlor 1260	2.058	0.20	ug/L	2.60		79.2	66-138	0.156	24	
Surrogate: Tetrachloro-m-xylene	0.424		ug/L	0.600		70.7	50-116			
Surrogate: Decachlorobiphenyl	0.448		ug/L	0.600		74.6	38-122			
Determination of	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Conventional Chemistry Parameters										
Batch 11L0656 - Wet Chem Preparation - EPA 376.2										
Blank (11L0656-BLK1)				Prepared: 12/11/25 09:05 Analyzed: 12/12/25 10:46						
Sulfide, total	<0.10	0.10	mg/L							
LCS (11L0656-BS1)				Prepared: 12/11/25 09:05 Analyzed: 12/12/25 10:46						
Sulfide, total	0.441	0.10	mg/L	0.46		95.9	56-118			
Matrix Spike (11L0656-MS1)				Source: 11L0925-04 Prepared: 12/11/25 09:05 Analyzed: 12/12/25 10:46						
Sulfide, total	0.650	0.10	mg/L	0.46	0.324	70.8	50-150			
Matrix Spike Dup (11L0656-MSD1)				Source: 11L0925-04 Prepared: 12/11/25 09:05 Analyzed: 12/12/25 10:46						
Sulfide, total	0.693	0.10	mg/L	0.46	0.324	80.0	50-150	6.30	30	



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Definitions

B:	The target analyte was detected in the blank at or above 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.
Q5:	ICV recovery is below acceptance limits. The reported value is estimated.
R1:	Duplicate RPD is outside acceptance criteria.
RL:	Reporting Limit
RPD:	Relative Percent Difference
S:	Spike recovery outside of acceptance limits.
S1:	Surrogate recovery is above acceptance limits.
S2:	Surrogate recovery is below acceptance limits.

Cooler Receipt Log

Cooler ID:	Default Cooler	Temp:	1.1°C	Cooler ID:	New Cooler	Temp:	2.4°C

Cooler Inspection Checklist

Custody Seals	No	Containers Intact	Yes
COC/Labels Agree	Yes	Preservation Confirmed	No
Received On Ice	Yes		

Report Comments

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. **The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.**

Reviewed and Approved By:

Heather Murphy

Customer Relationship Specialist
heather.murphy@microbac.com
12/31/25 12:06

CHAIN OF CUSTODY RECORD



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Page 1 of 3

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SITE INFORMATION

Sampler: JGH

Project: Iowa County Landfill-New Regs
6005

SPECIAL INSTRUCTIONS

None

Turn Around Time

☒ Standard ☐ RUSH, need by ___/___/___

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

David Randall
Regional Env. Improve. Commission
3369 Hwy 6 Trail
Homestead, IA 52236

LAB USE ONLY



1 I L 0 9 2 5

HLW Engineering
PM: Heather Murphy

Temperature: 1.1/2.4 °C

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
01-001	MW-42	Aqueous	GRAB	12/9/25	10:32	7	Indfil-app1-metals-6020dfill-app1-voc-group	01
02-001	MW-11 (up)	Aqueous	GRAB	12/9/25	9:13	7	Indfil-app1-metals-6020dfill-app1-voc-group	02
03-001	MW-13 (up)	Aqueous	GRAB	12/9/25	8:46	7	Indfil-app1-metals-6020dfill-app1-voc-group	03
04-001	MW-15	Aqueous	GRAB	12/9/25	13:04	17	Indfil-app2-org Indfil-app2-inorg-6020	04
05-001	MW-16	Aqueous	GRAB	12/9/25	13:14	7	Indfil-app1-metals-6020dfill-app1-voc-group	05
06-001	MW-18	Aqueous	GRAB	12/9/25	13:36	7	Indfil-app1-metals-6020dfill-app1-voc-group	06
07-001	MW-20-2	Aqueous	GRAB	12/9/25	10:11	7	Indfil-app1-metals-6020dfill-app1-voc-group	07
08-001	MW-20-6	Aqueous	GRAB	12/9/25	9:56	7	Indfil-app1-metals-6020dfill-app1-voc-group	08
09-001	MW-22-2	Aqueous	GRAB	12/9/25	9:44	7	Indfil-app1-metals-6020dfill-app1-voc-group	09
10-001	MW-23	Aqueous	GRAB	12/9/25	10:50	7	Indfil-app1-metals-6020dfill-app1-voc-group	10

Relinquished By J. L. [Signature]Date/Time 12/10/25Relinquished By [Signature]Date/Time 12-10-25 9:34

Received By

Date/Time

Received for Lab By

Date/Time

Remarks:

CHAIN OF CUSTODY RECORD



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SITE INFORMATION

Sampler: JEH

Project: Iowa County Landfill-New Regs
6005

SPECIAL INSTRUCTIONS

None

Turn Around Time

☒ Standard ☐ RUSH, need by ___/___/___

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

David Randall
Regional Env. Improve. Commission
3369 Hwy 6 Trail
Homestead, IA 52236

LAB USE ONLY



1 I L 0 9 2 5

HLW Engineering
PM: Heather Murphy

Temperature: 11/2.4 °C

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
11-001	MW-27 (up) - NO SAMPLE	Aqueous	GRAB				Indfil-app1-metals-6020dfill-app1-voc-group	
12-001	MW-28 (up)	Aqueous	GRAB	12/9/25	11:12	7	Indfil-app1-metals-6020dfill-app1-voc-group	11
13-001	MW-29D - NO SAMPLE	Aqueous	GRAB				Indfil-app1-metals-6020dfill-app1-voc-group	
14-001	MW-30	Aqueous	GRAB	12/9/25	11:53	7	Indfil-app1-metals-6020dfill-app1-voc-group	12
15-001	MW-32 (UP) - NO SAMPLE	Aqueous	GRAB				Indfil-app1-metals-6020dfill-app1-voc-group	
16-001	MW-41	Aqueous	GRAB	12/9/25	14:01	7	Indfil-app1-metals-6020dfill-app1-voc-group	13
17-001	GU-2 - NO SAMPLE	Aqueous	GRAB				Indfil-app1-metals-6020dfill-app1-voc-group	
18-001	MW-40	Aqueous	GRAB	12/9/25	11:31	7	Indfil-app1-metals-6020dfill-app1-voc-group	14
19-001	GU-4 - NO SAMPLE	Aqueous	GRAB				Indfil-app1-metals-6020dfill-app1-voc-group	
20-001	GU-5 - NO SAMPLE	Aqueous	GRAB				Indfil-app1-metals-6020dfill-app1-voc-group	

Relinquished By JCODate/Time 12/10/25Relinquished By Dufw

Date/Time

Received for Lab By

Date/Time

Remarks:

Received By

Date/Time

12-10-25 2:34

CHAIN OF CUSTODY RECORD



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Page 3 of 3

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Page 84 of 84

SITE INFORMATION

Sampler: LGHProject: **Iowa County Landfill-New Regs**
6005

SPECIAL INSTRUCTIONS

None

Turn Around Time

☒ Standard ☐ RUSH, need by ___/___/___

REPORT TO

Todd Whipple
HLW Engineering
204 West Broad St
Story City, IA 50248

INVOICE TO

David Randall
Regional Env. Improve. Commission
3369 Hwy 6 Trail
Homestead, IA 52236

LAB USE ONLY



1 I L 0 9 2 5

HLW Engineering
PM: Heather MurphyTemperature: 1.1/24 °C

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
21-001	Field Duplicate	Aqueous	GRAB	12/9/25	10:11	1	Indfil-app1-metals-6020	15
22-001	MW-43	Aqueous	GRAB	12/9/25	12:06	7	Indfil-app1-metals-6020dfill-app1-voc-group	16
23-001	GU-6	Aqueous	GRAB	12/9/25	12:20	7	Indfil-app1-metals-6020dfill-app1-voc-group	17

Relinquished By

Date/Time

Relinquished By

Date/Time

Received By

Date/Time

Received for Lab By

Date/Time

Remarks:

Appendix D

Summary of Field Turbidity Measurements

Iowa County Sanitary Landfill

Field Turbidity Over Time

No-Purge Sampling

	12/10/14	3/4/15	6/4/15	9/1/15	12/1/15	6/27/16	10/3/16	11/30/16	1/13/17
<u>Well</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>
11	168	39.2	14.06	1.63	11.4	2.33		7.43	
13	2.37	2.29	4.17	1.11	0.64	1.09		1.45	
15	30.4		8.08		27.6	121.2		5.38	
16	2.92		4.06		1.85	1.35		2.66	
18	2.76		6.86		0.77	1.57		1.31	
23	11.8		4.19		1.04	0.29		1.40	
27	---		7.39	0.03	6.28	0.20		1.51	
28	5.54	4.97	1.75	1.27	2.72	14.21		5.26	
29D									
40								4.00	
41	53.3		17.2		0.67	1.57		1.5	
42									
43									
20-2									
20-6									
22-2									
GU-2	dry	dry	dry	dry	dry	dry	dry	dry	dry
GU-4							1.47	dry	dry
GU-5							0.58	dry	dry
GU-6									
Max	168.00	67.40	43.30	1.63	27.60	121.20	0.00	7.43	1.42
Min	1.95	2.29	0.58	0.03	0.64	0.20	0.00	0.93	1.42
Median	5.12	22.09	5.53	0.96	2.31	1.49	#NUM!	1.79	1.42
Average	23.04	28.47	9.82	0.91	5.74	10.44	#DIV/0!	2.66	1.42

Iowa County Sanitary Landfill

Field Turbidity Over Time

No-Purge Sampling

	6/22/17	9/13/17	11/15/17	12/13/17	6/18/18	11/28/18	3/13/19	6/12/19	9/11/19
<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>
11	3.28		11.4		13.10	139.3		5.29	
13	0.89		2.23		0.87	0.62		0.96	
15	103.5	0.71	4.41		1.74	6.22		89.31	1.87
16	4.79		1.67		1.10	1.02		1.6	
18	10.18		1.14		1.14	1.03		7.81	
23	5.63	0.62	0.93		3.46	1.17	19.6	2.15	
27	0.34		dry		dry	dry		0.76	
28	0.46		1.57		2.94	13.57		1.56	
29D									
40	0.23	0.43	4.92		2.18	5.36		1.11	
41	0.45		2.68	0.33	1.00	0.91		3.84	
42									
43									
20-2									
20-6									
22-2									
GU-2	dry		dry		dry	dry		dry	
GU-4	dry		dry		dry	dry		dry	
GU-5	dry		dry		dry	dry		dry	
GU-6									
Max	103.50	0.71	11.40	0.33	13.10	139.30	19.60	89.31	1.87
Min	0.17	0.43	0.74	0.33	0.83	0.62	19.60	0.43	1.87
Median	1.34	0.62	1.86	0.33	1.65	1.17	19.60	1.60	1.87
Average	9.50	0.59	2.90	0.33	2.86	11.95	19.60	13.30	1.87

Iowa County Sanitary Landfill

Field Turbidity Over Time

No-Purge Sampling

	12/5/19	3/2/20	6/17/20	9/1/20	12/7/20	6/22/21	12/2/21	3/1/22	6/8/22
<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>
11	78.8	0.98	8.12	2.50	16	30.10	31.3	dry	11.82
13	0.29		4.73		0.87	1.01	1.47		1.21
15	6.27		28.02		15.4	18.70	2.19		16.09
16	0.58		1.19		1.66	1.15	1.2		1.36
18	0.51		0.79		0.95	0.57	0.62		5.8
23	0.31	dry	9.15	dry	2.13	63.70	3.46	4.3	177.3
27	1.26		5.75		6.71	6.18	5.17		1.83
28	6.55		1.26		2.62	3.77	5.67		1.44
29D			1.39		10.9	1.53	dry		dry
40	1.15		0.94		0.69	1.52	1.53		1.78
41	0.36	dry	1.2	dry	0.48	2.53	0.81	dry	1.03
42									
43									
20-2									2.87
20-6									14.48
22-2		dry		dry				dry	2.51
GU-2	dry		dry		dry	dry	dry		dry
GU-4	dry		dry		dry	dry	dry		dry
GU-5	dry		dry		dry	dry	dry		dry
GU-6									
Max	78.80	0.98	28.02	2.50	25.50	63.70	31.30	4.30	177.30
Min	0.29	0.98	0.71	2.50	0.48	0.57	0.62	4.30	1.03
Median	1.15	0.98	2.90	2.50	2.14	3.15	1.53	4.30	1.83
Average	7.55	0.98	5.74	2.50	6.23	10.38	4.88	4.30	21.43

Iowa County Sanitary Landfill

Field Turbidity Over Time

No-Purge Sampling

	11/22/22	6/6/23	8/7/23	12/4/23	6/6/24	8/8/24	8/11/24	8/22/24	9/12/24
<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>
11	4.99	2.47		2.53	8				
13	3.94	1.01		1.68	1.92				
15	4.22	12.1	6.84	3.13	5.83		2.47		
16	2.52	1.19		3.98	3.67				
18	1.48	1.1		3.02	2.28				
23	1.44	195.7		2.25	6.42				
27	dry	1.18							
28	1.87	1.57		2.5	48.57				
29D	dry	2.82							
40	1.56	1.42		8.84	2.52				
41	21.8	1.23		2.77	1.62				
42	3.91	17.13		5.15	2.37				
43									1.99
20-2	1.6	1.41		4.97	3.92				
20-6	2.73	2.02		4.09	2.77				
22-2	32.2	0.84		7.72	3.46				
GU-2	dry	dry	dry	dry	5.92				
GU-4	dry	dry	dry	dry					
GU-5	dry	dry	dry	dry	3.89	dry	dry	dry	dry
GU-6					dry	4.05		NT	4.16
Max	21.80	195.70	52.62	8.84	48.57	52.62	2.47	0.00	52.62
Min	1.44	1.01	6.84	1.68	1.62	52.62	2.47	0.00	52.62
Median	2.52	1.57	29.73	2.77	3.93	52.62	2.47	#NUM!	52.62
Average	4.39	17.42	29.73	3.58	8.13	52.62	2.47	#DIV/0!	52.62

Iowa County Sanitary Landfill

Field Turbidity Over Time

No-Purge Sampling

	12/4/24	6/12/25	12/9/25	Max	Min	Ave	Std Dev
<u>Well</u>	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>				
11	28.6	3.99	4.66	168.00	1.63	25.91	42.14
13	0.58	2.06	1.48	4.73	0.29	1.64	1.15
15	1.53	6.51	0.89	121.20	0.71	19.04	31.66
16	1.17	1.82	1.05	4.79	0.58	1.98	1.16
18	1.39	1.81	1.08	10.18	0.51	2.37	2.59
23	7.3	47.87	5.33	195.70	0.29	22.99	51.52
27		2.55		7.39	0.03	0.00	2.74
28	24	2.96	4.4	48.57	0.46	6.52	10.22
29D				10.90	1.39	4.16	4.54
40	10.9	2.33	3.25	10.90	0.23	2.83	2.80
41	0.93	2.49	2.03	53.30	0.33	5.08	11.27
42	9.81	2.43	4.84	17.13	2.37	6.52	5.31
43	18.9	2.97	1.39	18.90	1.39	6.31	8.42
20-2	6.82	2.33	8	8.00	1.41	3.99	2.43
20-6	10.2	2.54	4.31	14.48	2.02	5.39	4.50
22-2	11.7	4.03	16.7	32.20	0.84	9.90	10.45
GU-2	dry			5.92	5.92	5.92	#DIV/0!
GU-4	dry			1.47	1.47	1.47	#DIV/0!
GU-5	dry			3.89	0.58	2.24	2.34
GU-6	8.05	1.80	1.05	8.05	1.05	3.82	2.73
Max	28.60	52.62	5.33				
Min	0.58	1.81	0.89				
Median	1.53	2.55	2.03				
Average	8.49	11.55	2.69				

Appendix E

Summary of Prediction Limit Exceedances

Summer 2014†		Winter 2014†	
MW-7	1,1-dichloroethane	MW-7	1,1-dichloroethane
	1,4-dichlorobenzene		1,4-dichlorobenzene
	Chloroethane		Chlorobenzene
	cis-1,2-dichloroethene		Chloroethane
	dichlorodifluoromethane		cis-1,2-dichloroethene
	Tetrachloroethene		dichlorodifluoromethane
MW-19	Barium	MW-19	Dry
	1,1-dichloroethane		
	Acetone		
	Chlorobenzene		
	Chloroethane		
	cis-1,2-dichloroethene		
	dichlorodifluoromethane		
MW-20	1,1,1-Trichloroethane	MW-20	1,1,1-Trichloroethane
	1,1-dichloroethane		1,1-dichloroethane
	1,2-dichloroethane		1,2-dichloroethane
	1,2-dichloropropane		1,4-dichlorobenzene
	1,4-dichlorobenzene		Benzene
	Acetone		Chlorobenzene
	Benzene		Chloroethane
	Chlorobenzene		cis-1,2-dichloroethene
	Chloroethane		dichlorodifluoromethane
	Chloromethane		Tetrachloroethene
	cis-1,2-dichloroethene		trans-1,2-dichloroethene
	dichlorodifluoromethane		Trichlorethene
	Tetrachloroethene		Trichlorofluoromethane
	Toluene		Vinyl chloride
	trans-1,2-dichloroethene		
	Trichlorethene		
	Trichlorofluoromethane		
	Vinyl chloride		
MW-22	1,1-dichloroethane	MW-22	Arsenic
	1,4-dichlorobenzene		Cobalt
	Acetone		Copper
	Benzene		Lead
	Chlorobenzene		Nickel
	Chloroethane		Zinc
	cis-1,2-dichloroethene		1,1-dichloroethane
	trans-1,2-dichloroethene		1,2-dichloroethane
	Vinyl chloride		1,4-dichlorobenzene
			Benzene
			Chlorobenzene
			Chloroethane
			cis-1,2-dichloroethene
			dichlorodifluoromethane
			trans-1,2-dichloroethene
			Vinyl chloride
MW-23	1,1-dichloroethane	MW-23	1,1-dichloroethane
	Chloroethane		Chloroethane

Summer 2015†		Winter 2015†	
MW-7	1,1-dichloroethane	MW-7	1,1-dichloroethane
	1,2-dichloropropane		1,4-dichlorobenzene
	1,4-dichlorobenzene		Chlorobenzene
	Chlorobenzene		Chloroethane
	Chloroethane		cis-1,2-dichloroethene
	cis-1,2-dichloroethene		
	dichlorodifluoromethane		
	Barium		
	Cobalt		
MW-19	1,1-dichloroethane	MW-19	1,1-dichloroethane
	Chlorobenzene		Chlorobenzene
	Chloroethane		Chloroethane
	cis-1,2-dichloroethene		cis-1,2-dichloroethene
	dichlorodifluoromethane		Arsenic
	Arsenic		
	Barium		
MW-20	1,1,1-Trichloroethane	MW-20	1,1,1-Trichloroethane
	1,1-dichloroethane		1,1-dichloroethane
	1,2-dichloroethane		1,2-dichloroethane
	1,2-dichloropropane		1,2-dichlorobenzene
	1,4-dichlorobenzene		1,2-dichloropropane
	Benzene		1,4-dichlorobenzene
	Chlorobenzene		Benzene
	Chloroethane		Chlorobenzene
	Chloromethane		Chloroethane
	cis-1,2-dichloroethene		cis-1,2-dichloroethene
	dichlorodifluoromethane		dichlorodifluoromethane
	Methylene Chloride		Tetrachloroethene
	Tetrachloroethene		trans-1,2-dichloroethene
	trans-1,2-dichloroethene		Trichlorethene
	Trichlorethene		Trichlorofluoromethane
	Trichlorofluoromethane		Vinyl chloride
	Vinyl chloride		
	Nickel		
MW-22	1,1-dichloroethane	MW-22	1,1-dichloroethane
	1,2-dichloroethane		1,2-dichloroethane
	1,4-dichlorobenzene		1,4-dichlorobenzene
	Benzene		Benzene
	Chlorobenzene		Chlorobenzene
	Chloroethane		Chloroethane
	cis-1,2-dichloroethene		cis-1,2-dichloroethene
	dichlorodifluoromethane		trans-1,2-dichloroethene
	trans-1,2-dichloroethene		Vinyl chloride
	Vinyl chloride		Cobalt
			Nickel
MW-23	1,1-dichloroethane	MW-23	1,1-dichloroethane
	Chloroethane		Chloroethane

Summer 2016†		Winter 2016	
GU-4	None	GU-4*	Arsenic (unverified)
			Cobalt (unverified)
			Nickel (unverified)
GU-5	None	GU-5*	Nickel (unverified)
MW-7	1,1-dichloroethane	MW-7	Bis (2-ethylhexyl) phthalate
	1,4-dichlorobenzene		Chlorobenzene
	Benzene		Chloroethane
	Chlorobenzene		cis-1,2-dichloroethene
	Chloroethane		Arsenic
	cis-1,2-dichloroethene		Cobalt
	Arsenic		Nickel
	Nickel		
MW-19	1,1-dichloroethane	MW-19	DRY
	Chlorobenzene		
	Chloroethane		
	cis-1,2-dichloroethene		
MW-20	1,1,1-Trichloroethane	MW-20	1,1,1-Trichloroethane
	1,1-dichloroethane		1,1-dichloroethane
	1,2-dichloroethane		1,2-dichloroethane
	1,4-dichlorobenzene		1,4-dichlorobenzene
	Benzene		Benzene
	Chlorobenzene		Chlorobenzene
	Chloroethane		Chloroethane
	cis-1,2-dichloroethene		cis-1,2-dichloroethene
	dichlorodifluoromethane		dichlorodifluoromethane
	Methylene Chloride		Methylene Chloride
	Tetrachloroethene		Tetrachloroethene
	trans-1,2-dichloroethene		trans-1,2-dichloroethene
	Trichlorethene		Trichlorethene
	Trichlorofluoromethane		Trichlorofluoromethane
	Vinyl chloride		Vinyl chloride
	Antimony		Nickel
	Barium		
	Nickel		
MW-22	1,1-dichloroethane	MW-22	1,1-dichloroethane
	1,4-dichlorobenzene		1,2-dichloroethane
	Benzene		1,4-dichlorobenzene
	Bis (2-ethylhexyl) phthalate		Benzene
	Chlorobenzene		Chlorobenzene
	Chloroethane		Chloroethane
	cis-1,2-dichloroethene		cis-1,2-dichloroethene
	trans-1,2-dichloroethene		trans-1,2-dichloroethene
	Vinyl chloride		Vinyl chloride
	Cobalt		Arsenic
			Cobalt
			Copper
			Nickel
MW-23	1,1-dichloroethane	MW-23	1,1-dichloroethane
	Chloroethane		Chloroethane
			Arsenic

† = This sample collection episode predates use of the validated background data for inorganic compounds.

Summer 2017		Winter 2017	
MW-7	1,1-dichloroethane	MW-7	1,1-dichloroethane
	1,4-dichlorobenzene		1,2-dichloropropane
	Benzene		1,4-dichlorobenzene
	Chlorobenzene		Bis (2-ethylhexyl) phthalate
	Chloroethane		Chlorobenzene
	cis-1,2-dichloroethene		Chloroethane
	Arsenic		cis-1,2-dichloroethene
	Cobalt		dichlorodifluoromethane
	Nickel		Cobalt
			Nickel
MW-19	1,1-dichloroethane	MW-19	DRY
	1,4-dichlorobenzene		
	Chlorobenzene		
	Chloroethane		
	cis-1,2-dichloroethene		
	Arsenic		
MW-20	1,1,1-Trichloroethane	MW-20	1,1-dichloroethane
	1,1-dichloroethane		1,2-dichlorobenzene
	1,2-dichloroethane		1,2-dichloroethane
	1,4-dichlorobenzene		1,2-dichloropropane
	Benzene		1,4-dichlorobenzene
	Bis(2-ethylhexyl)phthalate		Benzene
	Chlorobenzene		Chlorobenzene
	Chloroethane		Chloroethane
	cis-1,2-dichloroethene		cis-1,2-dichloroethene
	dichlorodifluoromethane		dichlorodifluoromethane
	Tetrachloroethene		Tetrachloroethene
	trans-1,2-dichloroethene		trans-1,2-dichloroethene
	Trichlorethene		Trichlorethene
	Trichlorofluoromethane		Trichlorofluoromethane
	Vinyl chloride		Vinyl chloride
	Cobalt		Nickel
	Nickel		
MW-22	1,1-dichloroethane	MW-22	1,1-dichloroethane
	1,2-dichloroethane		1,4-dichlorobenzene
	1,4-dichlorobenzene		Benzene
	Benzene		Chlorobenzene
	Bis (2-ethylhexyl) phthalate		Chloroethane
	Chlorobenzene		cis-1,2-dichloroethene
	Chloroethane		trans-1,2-dichloroethene
	cis-1,2-dichloroethene		Vinyl chloride
	trans-1,2-dichloroethene		Cobalt
	Vinyl chloride		Copper
	Cobalt		Lead
	Zinc		Nickel
			Zinc
MW-23	1,1-dichloroethane	MW-23	1,1-dichloroethane
	Chloroethane		Chloroethane

Summer 2018		Winter 2018	
MW-7	Chloroethane	MW-7	1,1-dichloroethane
	cis-1,2-dichloroethene		1,4-dichlorobenzene
	Cobalt		Bis (2-ethylhexyl) phthalate
	Nickel		Chlorobenzene
			Chloroethane
			cis-1,2-dichloroethene
			Cobalt
			Copper
			Nickel
MW-19	Dry	MW-19	Dry
MW-20	1,1,1-Trichloroethane	MW-20	1,1,1-Trichloroethane
	1,1-dichloroethane		1,1-dichloroethane
	1,2-dichloroethane		1,2-dichlorobenzene
	1,4-dichlorobenzene		1,2-dichloroethane
	Benzene		1,2-dichloropropane
	Chlorobenzene		1,4-dichlorobenzene
	Chloroethane		Benzene
	cis-1,2-dichloroethene		Chlorobenzene
	dichlorodifluoromethane		Chloroethane
	Tetrachloroethene		cis-1,2-dichloroethene
	trans-1,2-dichloroethene		dichlorodifluoromethane
	Trichloroethene		Tetrachloroethene
	Trichlorofluoromethane		trans-1,2-dichloroethene
	Vinyl chloride		Trichloroethene
	Nickel		Trichlorofluoromethane
			Vinyl chloride
			Cobalt
			Nickel
MW-22	1,1-dichloroethane	MW-22	1,1-dichloroethane
	1,4-dichlorobenzene		1,2-dichloroethane
	Bis (2-ethylhexyl) phthalate		1,4-dichlorobenzene
	Chlorobenzene		Benzene
	Chloroethane		Bis (2-ethylhexyl) phthalate
	cis-1,2-dichloroethene		Chlorobenzene
	trans-1,2-dichloroethene		Chloroethane
	Vinyl chloride		cis-1,2-dichloroethene
	Cobalt		trans-1,2-dichloroethene
	Copper		Vinyl chloride
	Nickel		Arsenic
			Cobalt
			Nickel
MW-23	1,1-dichloroethane	MW-23	1,1-dichloroethane
	Chloroethane		Chloroethane

Summer 2019		Winter 2019	
MW-7	Benzene	MW-7	1,1-dichloroethane
	Chlorobenzene		Benzene
	Chloroethane		Chlorobenzene
	cis-1,2-dichloroethene		Chloroethane
	dichlorodifluoromethane		cis-1,2-dichloroethene
	Arsenic		dichlorodifluoromethane
	Cobalt		Arsenic
	Nickel		Cobalt
			Nickel
MW-19	1,1-dichloroethane	MW-19	1,1-dichloroethane
	Acetone		Chlorobenzene
	Chlorobenzene		Chloroethane
	Chloroethane		cis-1,2-dichloroethene
	cis-1,2-dichloroethene		dichlorodifluoromethane
	Arsenic		Vinyl chloride
			Arsenic
			Nickel
MW-20	1,1,1-Trichloroethane	MW-20	1,1,1-Trichloroethane
	1,1-dichloroethane		1,1-dichloroethane
	1,2-dichlorobenzene		1,2-dichlorobenzene
	1,2-dichloroethane		1,2-dichloroethane
	1,2-dichloropropane		1,2-dichloropropane
	Benzene		1,4-dichlorobenzene
	Chlorobenzene		Chlorobenzene
	Chloroethane		Chloroethane
	cis-1,2-dichloroethene		cis-1,2-dichloroethene
	dichlorodifluoromethane		dichlorodifluoromethane
	Tetrachloroethene		Tetrachloroethene
	trans-1,2-dichloroethene		trans-1,2-dichloroethene
	Trichloroethene		Trichloroethene
	Trichlorofluoromethane		Trichlorofluoromethane
	Vinyl chloride		Vinyl chloride
	Cobalt		Cobalt
	Nickel		Nickel
MW-22	1,1-dichloroethane	MW-22	1,1-dichloroethane
	Benzene		1,4-dichlorobenzene
	Chlorobenzene		Benzene
	Chloroethane		Chlorobenzene
	cis-1,2-dichloroethene		Chloroethane
	dichlorodifluoromethane		cis-1,2-dichloroethene
	trans-1,2-dichloroethene		dichlorodifluoromethane
	Vinyl chloride		trans-1,2-dichloroethene
	Cobalt		Vinyl chloride
	Copper		Arsenic
			Cobalt
			Copper
			Nickel
MW-23	1,1-dichloroethane	MW-23	1,1-dichloroethane
	Chloroethane		Chloroethane
	Arsenic		
	Nickel		
MW-18	None	MW-18	None (pending verification Zn sample)

Summer 2020		Winter 2020	
MW-7	1,4-dichlorobenzene	MW-7	1,1-dichloroethane
	Benzene		1,4-dichlorobenzene
	Chlorobenzene		Benzene
	Chloroethane		Chlorobenzene
	cis-1,2-dichloroethene		Chloroethane
	Arsenic		cis-1,2-dichloroethene
	Cobalt		Arsenic
	Nickel		Cobalt
MW-19	1,1-dichloroethane	MW-19	Plugged
	1,4-dichlorobenzene		
	Benzene		
	Bis(2-ethylhexyl)phthalate		
	Chlorobenzene		
	Chloroethane		
	cis-1,2-dichloroethene		
	Vinyl chloride		
MW-20	1,1,1-Trichloroethane	MW-20	Plugged
	1,1-dichloroethane		
	1,2-dichlorobenzene		
	1,2-dichloroethane		
	1,2-dichloropropane		
	1,4-dichlorobenzene		
	Benzene		
	Chlorobenzene		
	Chloroethane		
	cis-1,2-dichloroethene		
	dichlorodifluoromethane		
	Tetrachloroethene		
	trans-1,2-dichloroethene		
	Trichloroethene		
	Trichlorofluoromethane		
	Vinyl chloride		
	Cobalt		
	Nickel		
MW-22	1,1-dichloroethane	MW-22	Plugged
	1,2-dichloroethane		
	1,4-dichlorobenzene		
	Benzene		
	Chlorobenzene		
	Chloroethane		
	cis-1,2-dichloroethene		
	dichlorodifluoromethane		
	trans-1,2-dichloroethene		
	Vinyl chloride		
	Arsenic		
	Cobalt		
	Copper		
MW-23	Chloroethane	MW-23	1,1-dichloroethane
			Chloroethane

Summer 2021		Winter 2021	
MW-7	1,1-dichloroethane	MW-7	1,1-dichloroethane
	1,4-dichlorobenzene		1,4-dichlorobenzene
	Benzene		Benzene
	Chlorobenzene		Chlorobenzene
	Chloroethane		Chloroethane
	cis-1,2-dichloroethene		cis-1,2-dichloroethene
	Arsenic		Cobalt
	Cobalt		
	Nickel		
MW-23	1,1-dichloroethane	MW-23	1,1-dichloroethane
	Chloroethane		Chloroethane
	Arsenic		Arsenic
	Copper		
MW-27	None	MW-27	Chloromethane*
			cis-1,2-dichloroethene*
MW-41	None	MW-41	Chromium

* = not verified by the resample.

Summer 2022		Winter 2022	
MW-7	1,1-dichloroethane	MW-7	Removed from HMSP
	1,4-dichlorobenzene		
	Benzene		
	Chlorobenzene		
	Chloroethane		
	cis-1,2-dichloroethene		
	Arsenic		
	Copper		
MW-23	1,1-dichloroethane	MW-23	1,1-dichloroethane
	Chloroethane		Chloroethane
	Arsenic		
	Copper		
MW-41	Bis(2-ethylhexyl)phthalate	MW-41	Chromium
MW-42	Not Yet Installed	MW-42	Chloroethane
			cis-1,2-dichloroethene
			Cobalt

Summer 2023		Winter 2023	
MW-23	1,1-dichloroethane	MW-23	1,1-dichloroethane
	Chloroethane		Chloroethane
	Arsenic		
	Cobalt		
MW-41	None	MW-41	Chromium
MW-42	Arsenic	MW-42	1,1-dichloroethane
	1,1-dichloroethane		Chlorobenzene
	Chlorobenzene		Chloroethane
	Chloroethane		cis-1,2-dichloroethene
	cis-1,2-dichloroethene		

Summer 2024		Winter 2024	
MW-15	Cobalt (verified 8/11/24)	MW-15	None
MW-23	1,1-dichloroethane	MW-23	1,1-dichloroethane
	Chloroethane		Chloroethane
MW-42	1,1-dichloroethane	MW-42	1,1-dichloroethane
	Chlorobenzene		Chlorobenzene
	Chloroethane		Chloroethane
	cis-1,2-dichloroethene		cis-1,2-dichloroethene

Summer 2025		Winter 2025	
MW-15	Cobalt	MW-15	None
MW-23	1,1-dichloroethane	MW-23	1,1-dichloroethane
	Chloroethane		Chloroethane
	arsenic		copper
MW-41	None	MW-41	chromium
MW-42	1,1-dichloroethane	MW-42	1,1-dichloroethane
	Chlorobenzene		Chlorobenzene
	Chloroethane		Chloroethane
	cis-1,2-dichloroethene		cis-1,2-dichloroethene

Appendix F

Summary of Assessment Monitoring Results

The full Appendix II sample events are highlighted in green.

Date	bis(2ethylhexyl)phthalate (ug/L)			
	MW-23	MW-41	MW-42	MW-15
12/5/11	<8	NT	NT	NT
6/21/12	<8	NT	NT	NT
12/4/12	NT	NT	NT	NT
6/3/13	NT	NT	NT	NT
9/11/13	NT	NT	NT	NT
12/12/13	NT	NT	NT	NT
6/25/14	NT	NT	NT	NT
12/10/14	NT	NT	NT	NT
6/4/15	NT	NT	NT	NT
12/1/15	NT	NT	NT	NT
6/27/16	NT	NT	NT	NT
11/30/16	NT	NT	NT	NT
6/22/17	<6	NT	NT	NT
11/15/17	NT	NT	NT	NT
6/18/18	NT	NT	NT	NT
11/28/18	NT	NT	NT	NT
6/12/19	NT	NT	NT	NT
12/5/19	NT	NT	NT	NT
6/17/20	NT	NT	NT	NT
12/7/20	NT	NT	NT	NT
6/22/21	NT	NT	NT	NT
12/2/2021	NT	NT	NT	NT
6/8/2022	<6	18.0	NT	NT
11/22/2022	NT	<6	NT	NT
6/6/2023	NT	<6	<6	NT
12/4/2023	NT	NT	NT	NT
6/6/2024	NT	NT	<6	NT
12/4/2024	NT	<6	NT	<6
6/12/2025	NT	NT	NT	NT
12/9/2025	NT	NT	NT	<6

Appendix G

Confidence Interval Evaluation – CAMP Wells

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-20-2	4	2.725	1.450	1.176	1.019	4.431	10.000	
Barium, total	ug/L	MW-20-2	4	207.000	22.061	1.176	181.050	232.950	2000.000	
Cobalt, total	ug/L	MW-20-2	4	0.638	0.330	1.176	0.249	1.026	2.100	
Nickel, total	ug/L	MW-20-2	4	8.925	4.173	1.176	4.016	13.834	100.000	
Arsenic, total	ug/L	MW-20-6	4	2.925	1.850	1.176	0.749	5.101	10.000	
Barium, total	ug/L	MW-20-6	4	297.250	69.038	1.176	216.041	378.459	2000.000	
Cobalt, total	ug/L	MW-20-6	4	0.475	0.206	1.176	0.233	0.717	2.100	
Nickel, total	ug/L	MW-20-6	4	2.700	1.400	1.176	1.053	4.347	100.000	
Arsenic, total	ug/L	MW-22-2	4	3.000	1.744	1.176	0.949	5.051	10.000	
Barium, total	ug/L	MW-22-2	4	298.000	11.343	1.176	284.657	311.343	2000.000	
Cobalt, total	ug/L	MW-22-2	4	1.650	0.300	1.176	1.297	2.003	2.100	
Nickel, total	ug/L	MW-22-2	4	17.275	7.268	1.176	8.725	25.825	100.000	

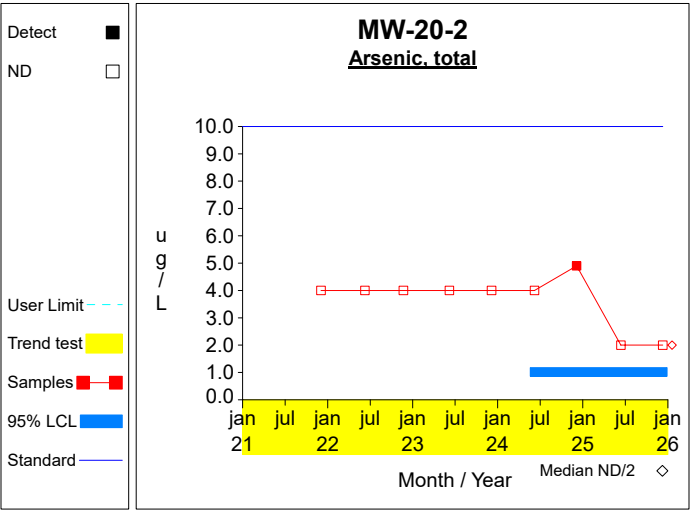
* - Insufficient Data

** - Significant Exceedance

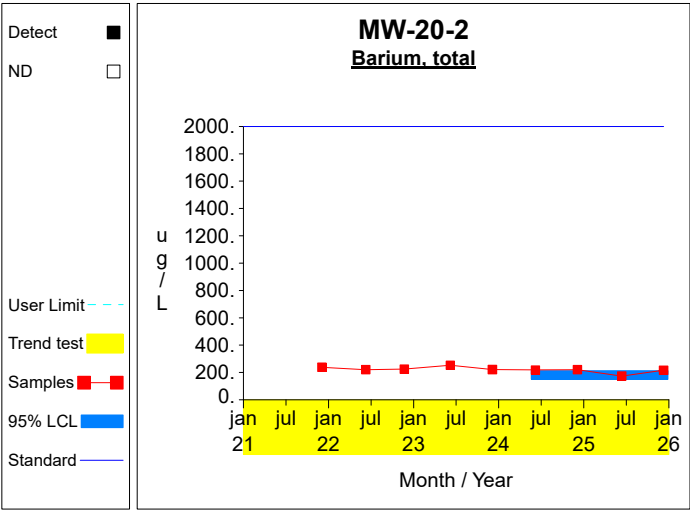
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

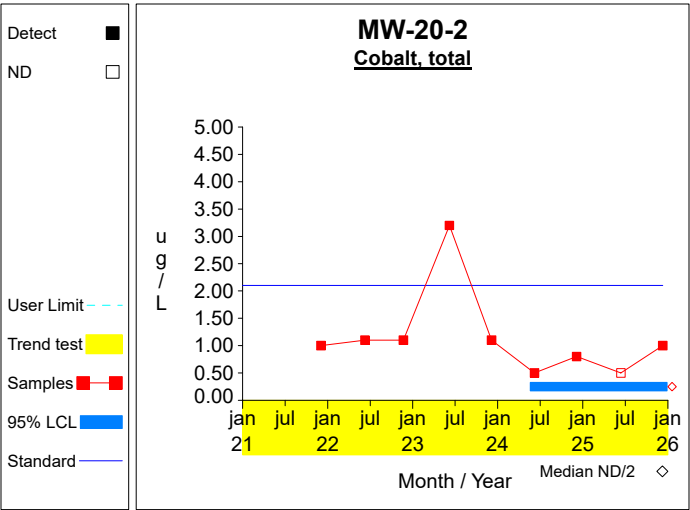
Confidence Limits (Assessment)



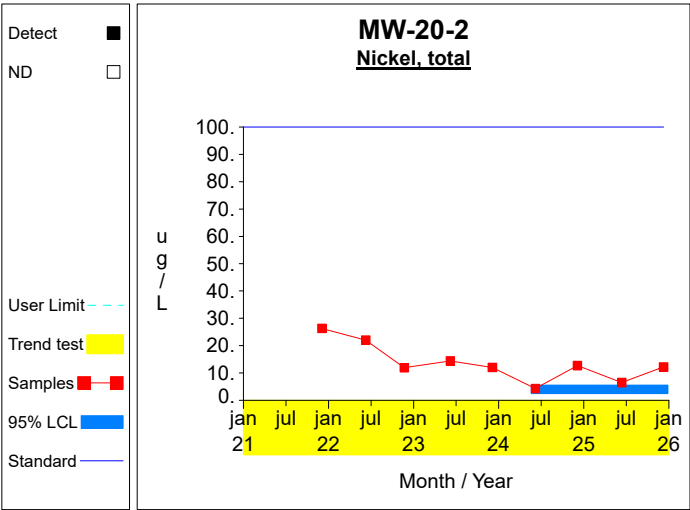
Graph 1



Graph 2

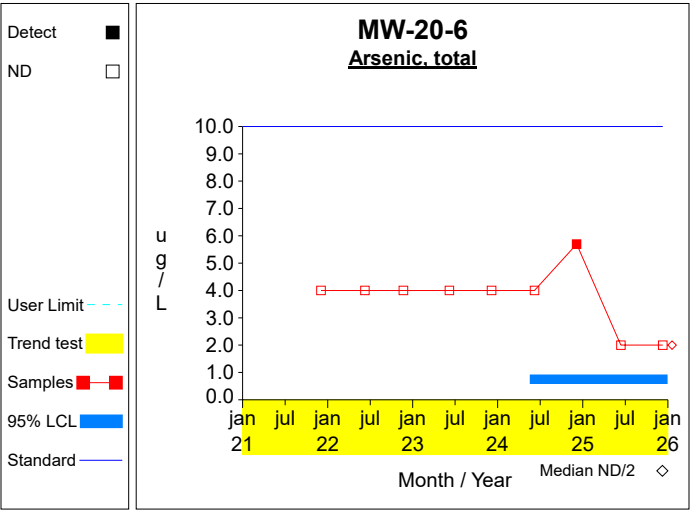


Graph 3

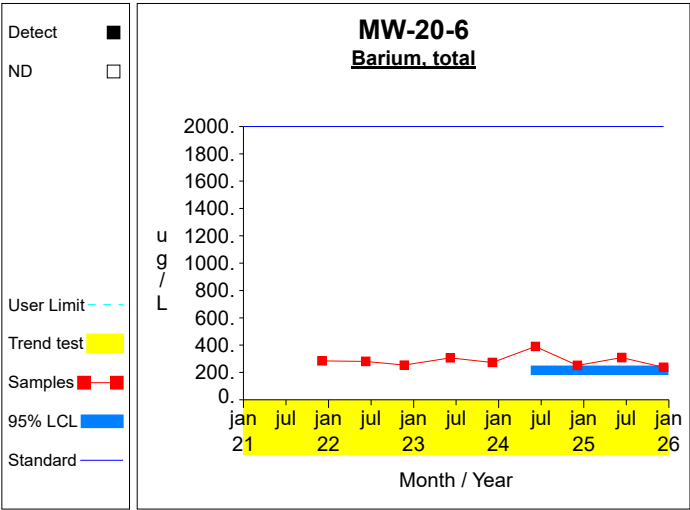


Graph 4

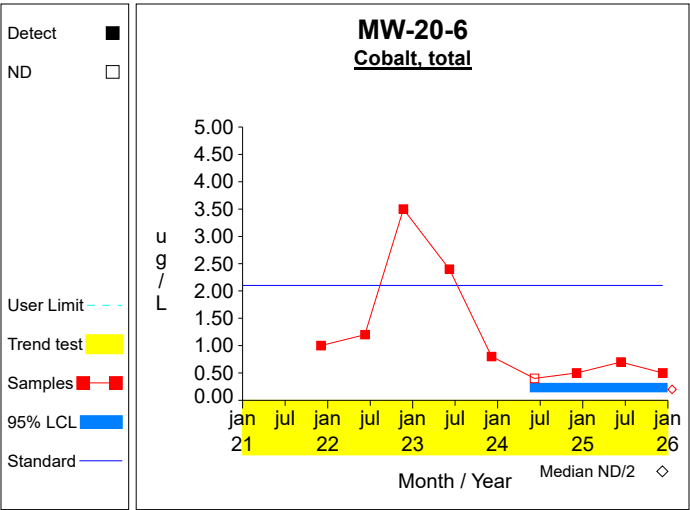
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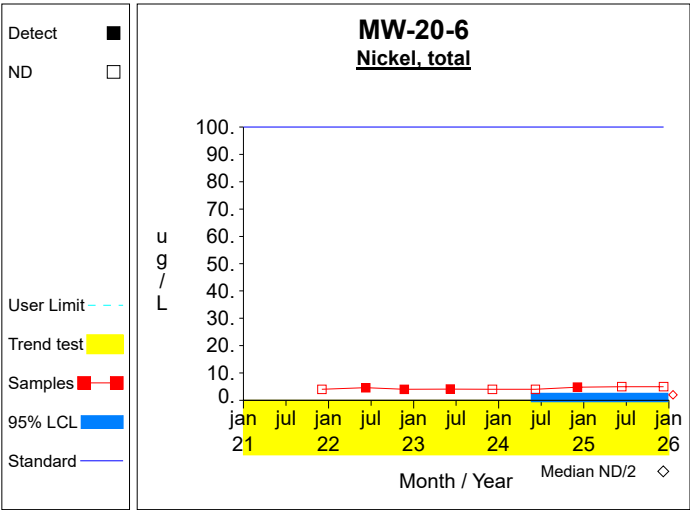
Graph 5



Graph 6

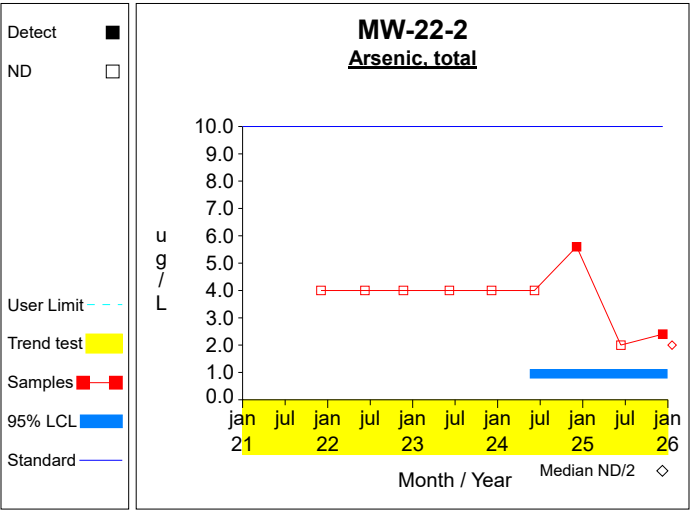


Graph 7

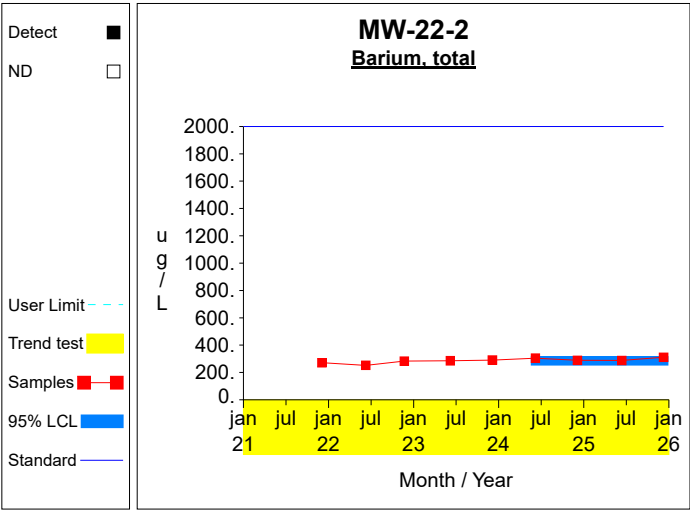


Graph 8

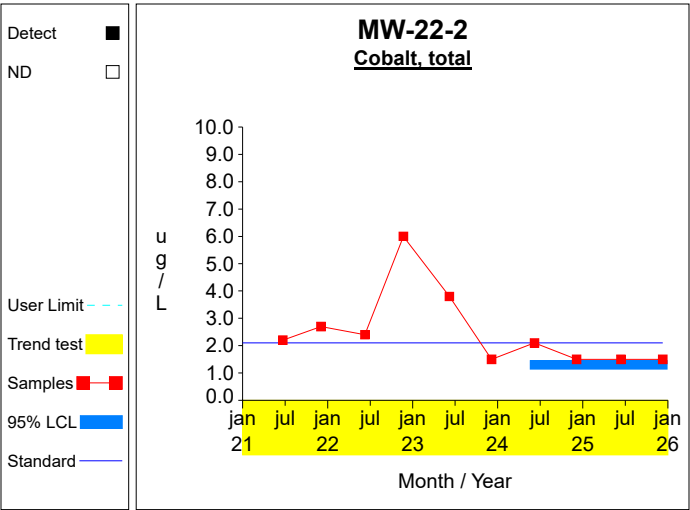
Confidence Limits (Assessment)



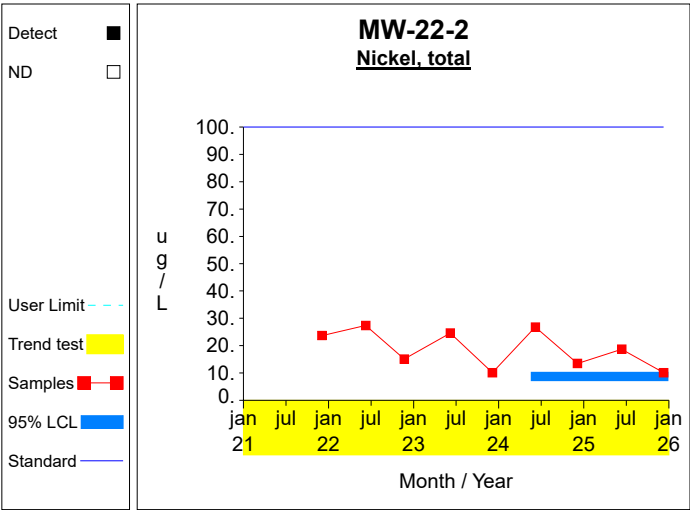
Graph 9



Graph 10



Graph 11



Graph 12

Table 1

**Confidence Intervals for Comparing the Mean of the Last
4 Measurements to an Assessment Monitoring Standard**

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
1,1-dichloroethane	ug/L	MW-20-2	4	187.000	41.288	1.176	138.434	235.566	140.000	dec	
1,1-dichloroethane	ug/L	MW-20-6	4	178.850	115.224	1.176	43.314	314.386	140.000		
1,1-dichloroethane	ug/L	MW-22-2	4	180.250	30.934	1.176	143.863	216.637	140.000		**
1,2-dichloroethane	ug/L	MW-20-2	4	1.175	1.044	1.176	0.000	2.403	5.000		
1,2-dichloroethane	ug/L	MW-20-6	4	1.900	0.949	1.176	0.784	3.016	5.000		
1,2-dichloroethane	ug/L	MW-22-2	4	3.150	0.351	1.176	2.737	3.563	5.000		
1,2-dichloropropane	ug/L	MW-20-2	4	0.825	0.650	1.176	0.060	1.590	5.000		
1,2-dichloropropane	ug/L	MW-20-6	4	1.300	0.535	1.176	0.670	1.930	5.000		
1,2-dichloropropane	ug/L	MW-22-2	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,4-dichlorobenzene	ug/L	MW-20-2	4	1.000	0.346	1.176	0.593	1.407	75.000		
1,4-dichlorobenzene	ug/L	MW-20-6	4	0.500	0.000	1.176	0.500	0.500	75.000		
1,4-dichlorobenzene	ug/L	MW-22-2	4	2.375	0.263	1.176	2.066	2.684	75.000		
Chlorobenzene	ug/L	MW-20-2	4	3.450	0.332	1.176	3.060	3.840	100.000		
Chlorobenzene	ug/L	MW-20-6	4	2.175	1.141	1.176	0.833	3.517	100.000		
Chlorobenzene	ug/L	MW-22-2	4	8.525	1.170	1.176	7.149	9.901	100.000		
Chloroethane	ug/L	MW-20-2	4	28.725	5.333	1.176	22.452	34.998	2800.000	dec	
Chloroethane	ug/L	MW-20-6	4	17.150	11.140	1.176	4.046	30.254	2800.000	dec	
Chloroethane	ug/L	MW-22-2	4	111.025	14.690	1.176	93.745	128.305	2800.000		
Cis-1,2-dichloroethylene	ug/L	MW-20-2	4	30.150	10.221	1.176	18.127	42.173	70.000		
Cis-1,2-dichloroethylene	ug/L	MW-20-6	4	36.025	24.163	1.176	7.602	64.448	70.000	dec	
Cis-1,2-dichloroethylene	ug/L	MW-22-2	4	92.000	15.991	1.176	73.190	110.810	70.000		**
Tetrachloroethylene	ug/L	MW-20-2	4	2.750	3.571	1.176	0.000	6.950	5.000		
Tetrachloroethylene	ug/L	MW-20-6	4	5.650	3.439	1.176	1.604	9.696	5.000		
Tetrachloroethylene	ug/L	MW-22-2	4	0.500	0.000	1.176	0.500	0.500	5.000		
Trans-1,2-dichloroethylene	ug/L	MW-20-2	4	2.325	0.263	1.176	2.016	2.634	100.000	dec	
Trans-1,2-dichloroethylene	ug/L	MW-20-6	4	1.200	0.812	1.176	0.244	2.156	100.000	dec	
Trans-1,2-dichloroethylene	ug/L	MW-22-2	4	3.500	0.183	1.176	3.285	3.715	100.000		
Trichloroethylene	ug/L	MW-20-2	4	4.300	5.607	1.176	0.000	10.896	5.000		
Trichloroethylene	ug/L	MW-20-6	4	7.925	4.963	1.176	2.087	13.763	5.000	dec	
Trichloroethylene	ug/L	MW-22-2	4	0.500	0.000	1.176	0.500	0.500	5.000		
Trichlorofluoromethane	ug/L	MW-20-2	4	3.425	4.799	1.176	0.000	9.070	2000.000		
Trichlorofluoromethane	ug/L	MW-20-6	4	8.775	5.847	1.176	1.898	15.652	2000.000		
Trichlorofluoromethane	ug/L	MW-22-2	4	0.500	0.000	1.176	0.500	0.500	2000.000		
Vinyl chloride	ug/L	MW-20-2	4	3.050	0.968	1.176	1.912	4.188	2.000	dec	
Vinyl chloride	ug/L	MW-20-6	4	2.075	1.204	1.176	0.659	3.491	2.000		
Vinyl chloride	ug/L	MW-22-2	4	16.550	2.353	1.176	13.782	19.318	2.000		**

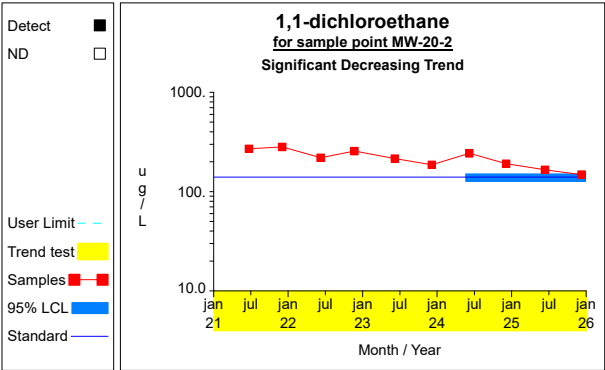
* - Insufficient Data

** - Significant Exceedance

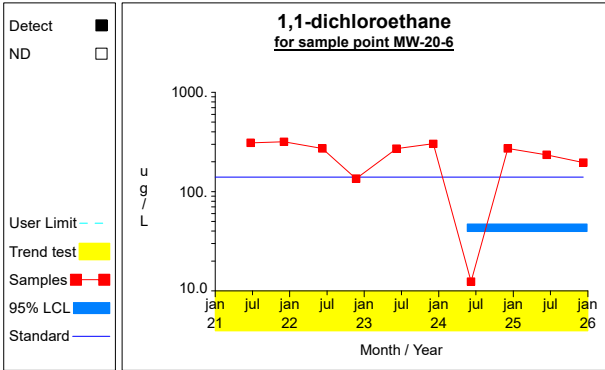
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

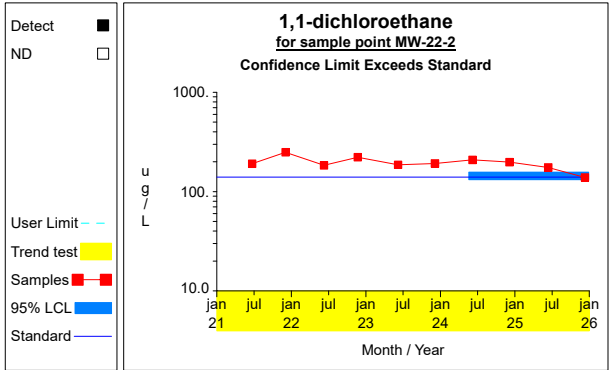
Confidence Limits (Assessment)



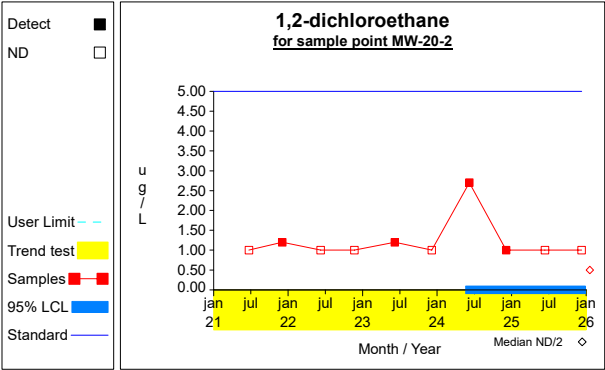
Graph 1



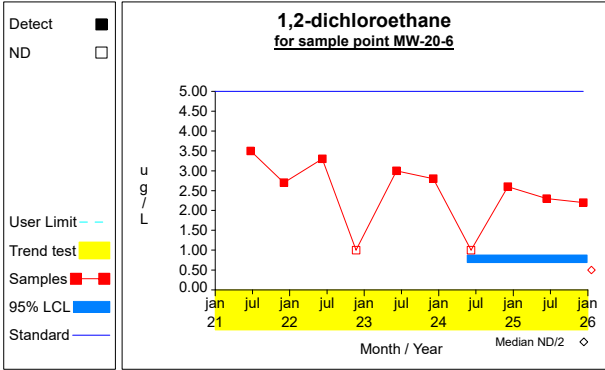
Graph 2



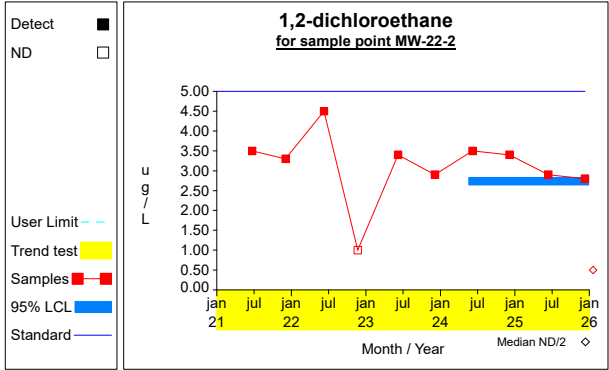
Graph 3



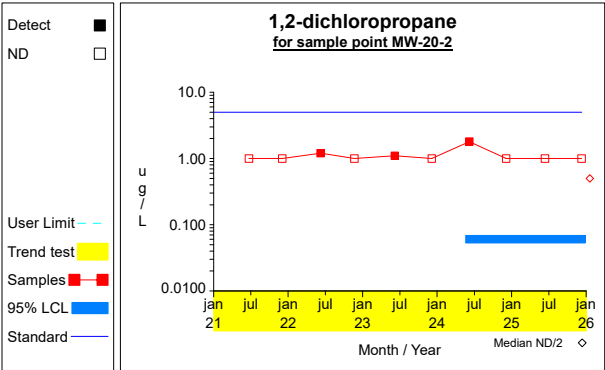
Graph 4



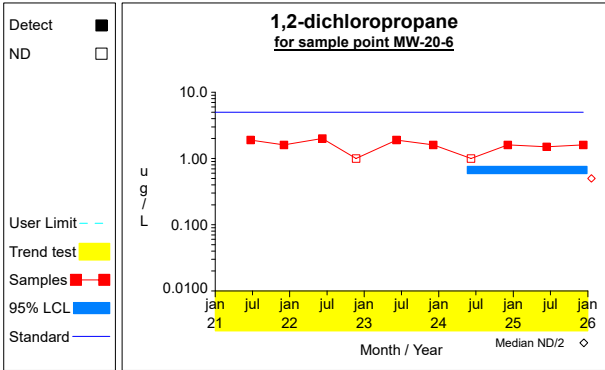
Graph 5



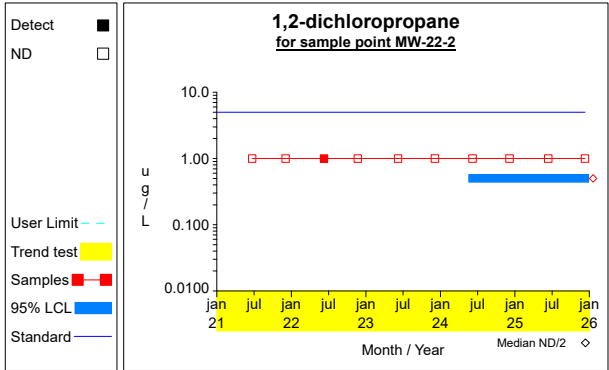
Graph 6



Graph 7

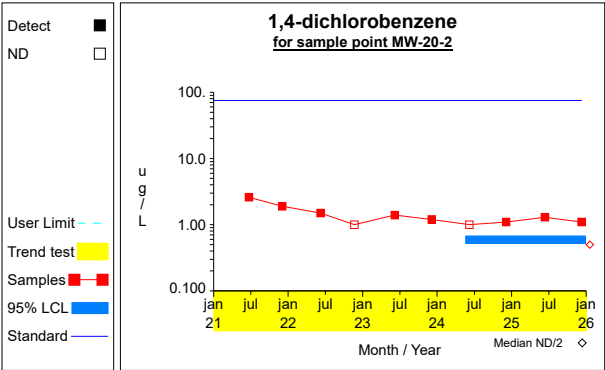


Graph 8

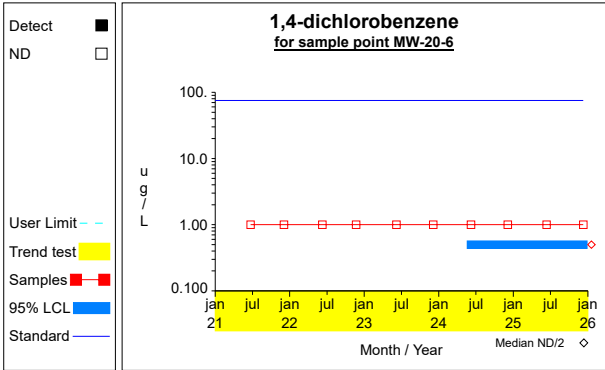


Graph 9

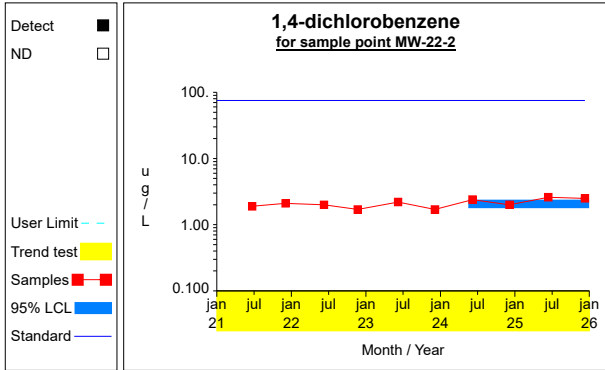
Confidence Limits (Assessment)



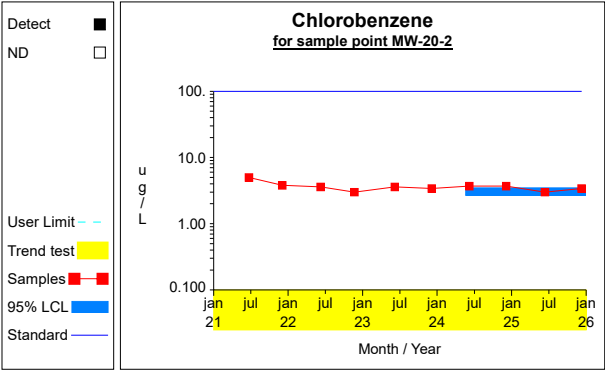
Graph 10



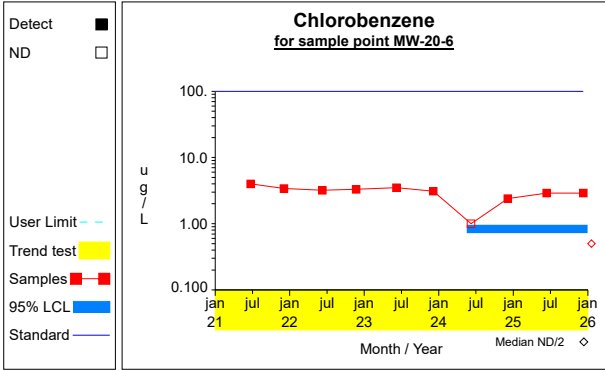
Graph 11



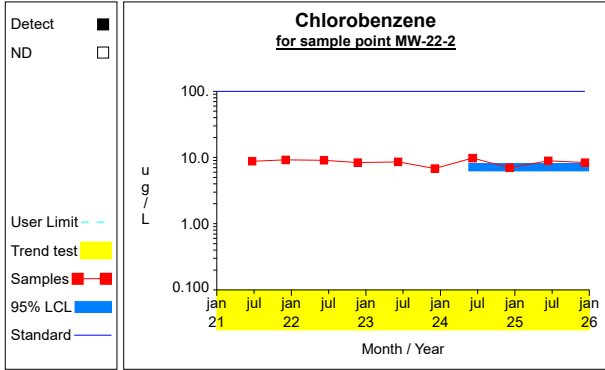
Graph 12



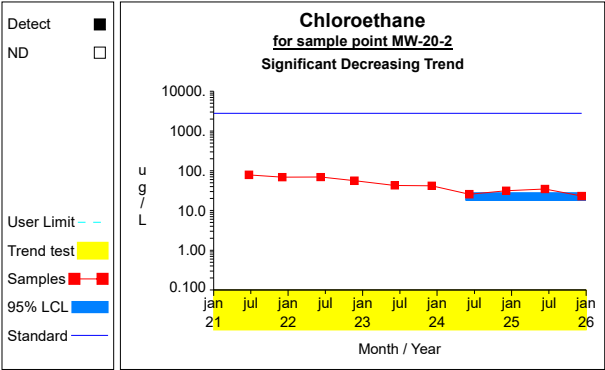
Graph 13



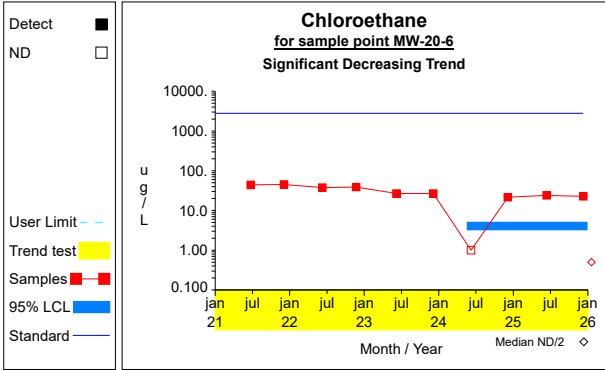
Graph 14



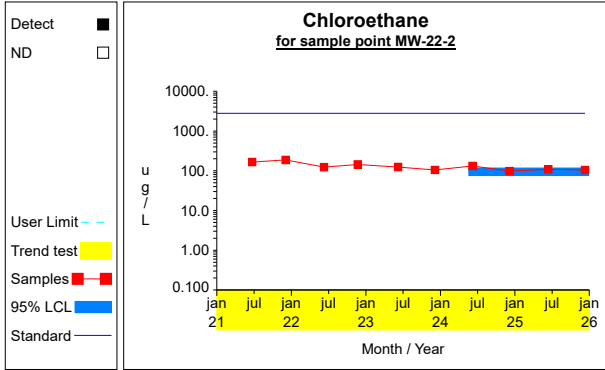
Graph 15



Graph 16

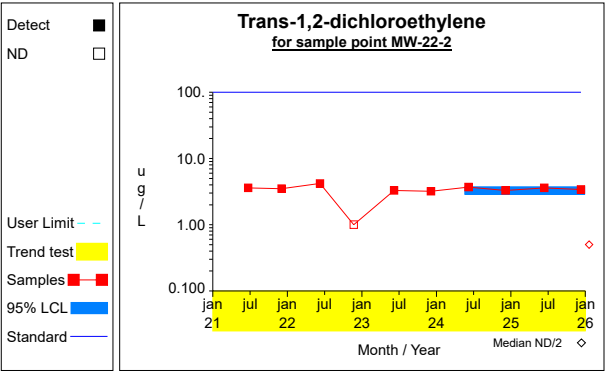
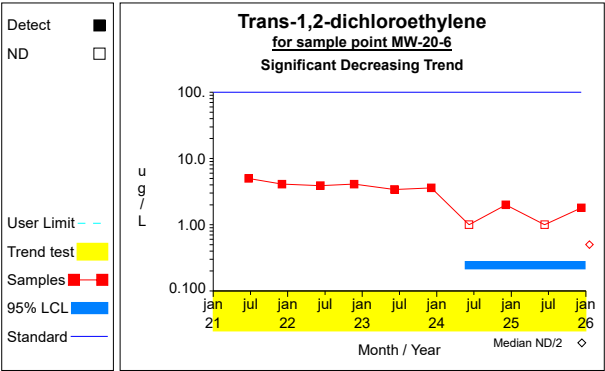
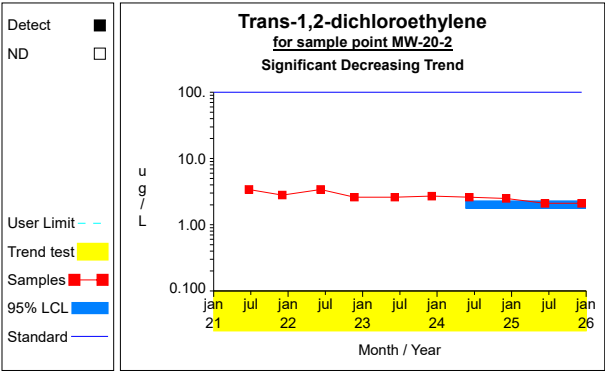
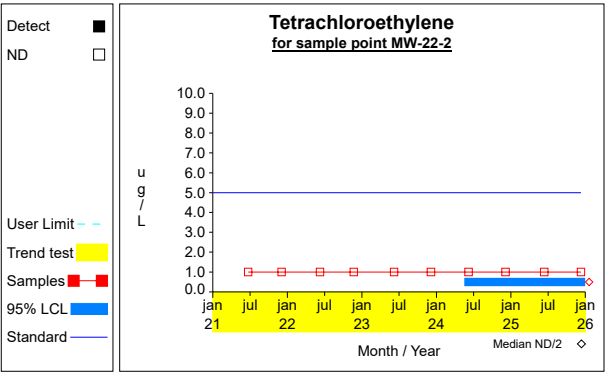
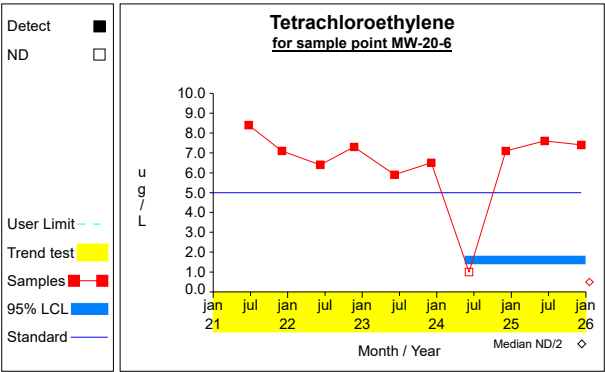
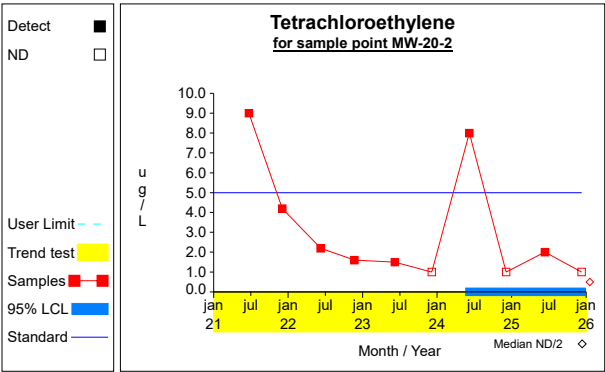
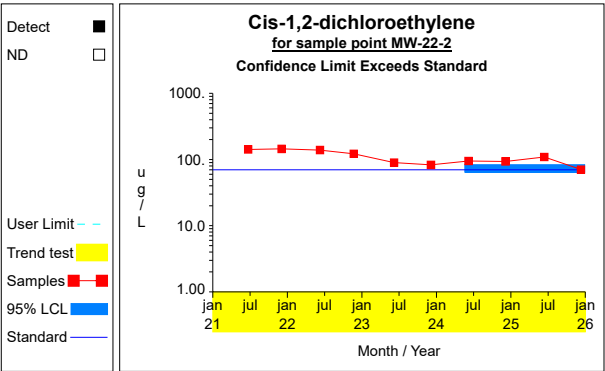
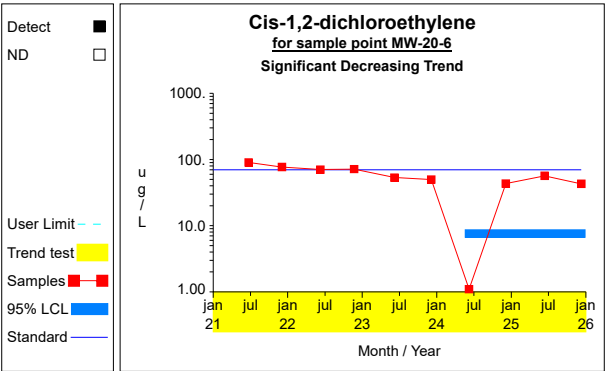
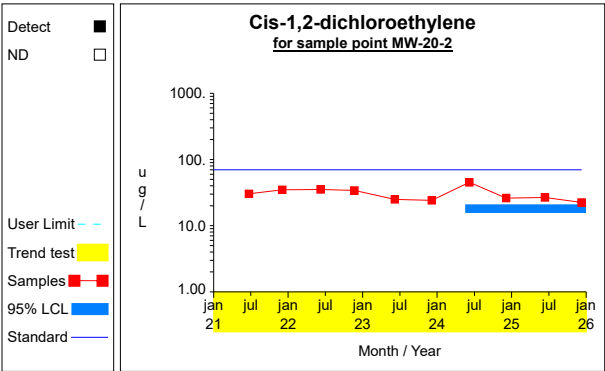


Graph 17

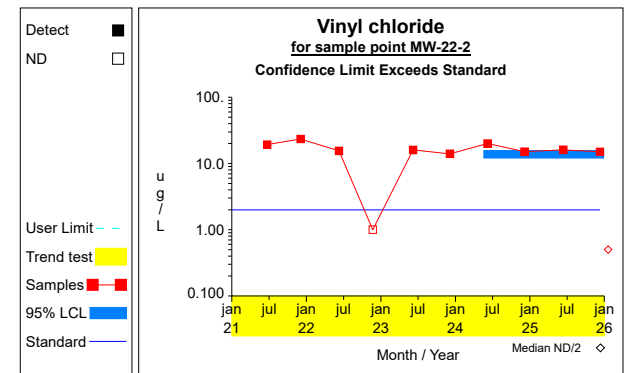
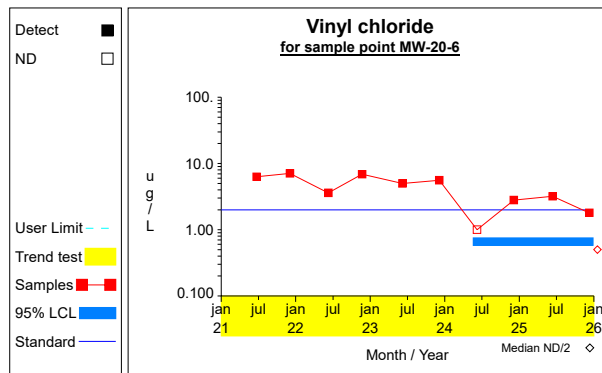
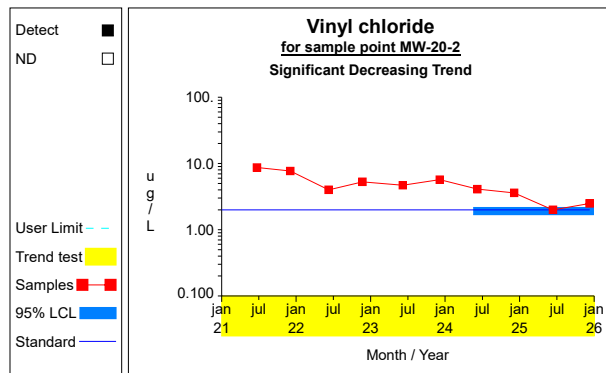
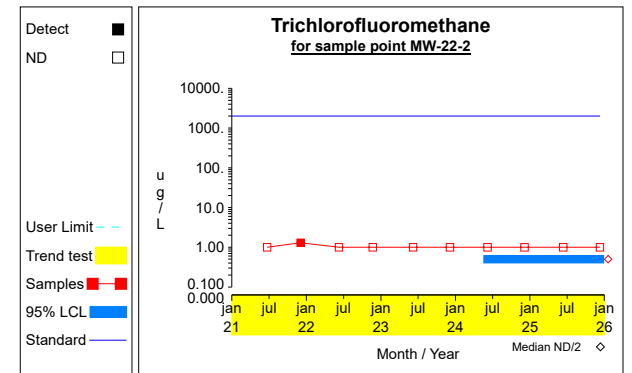
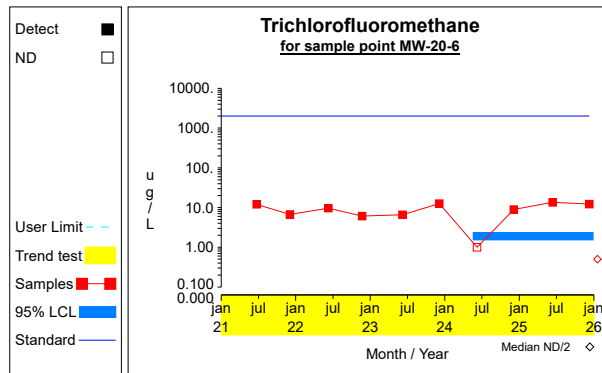
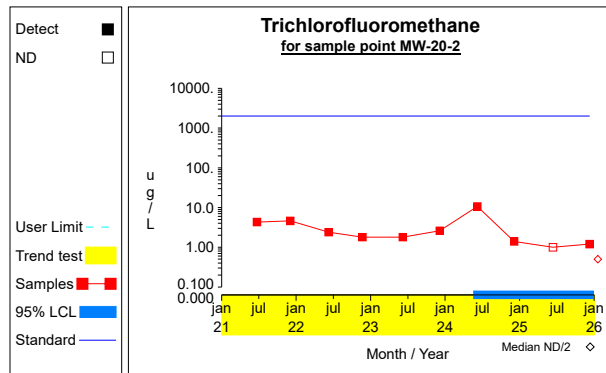
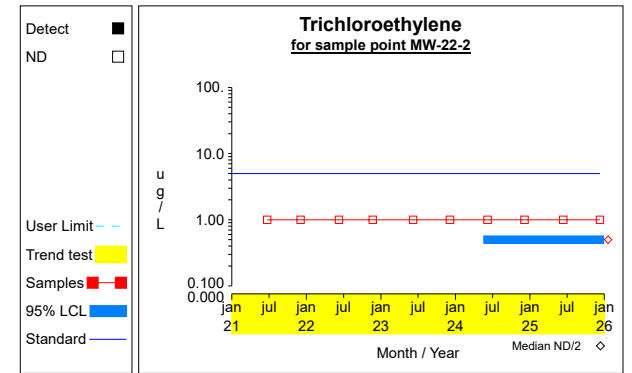
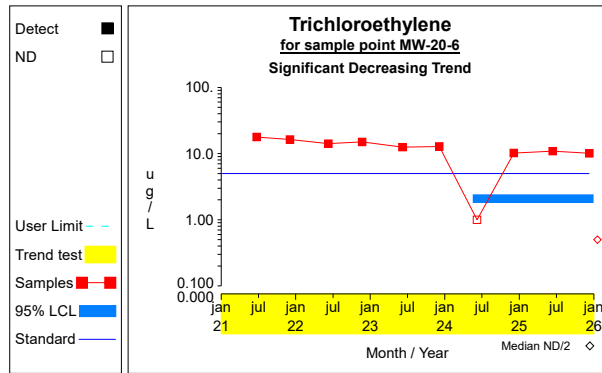
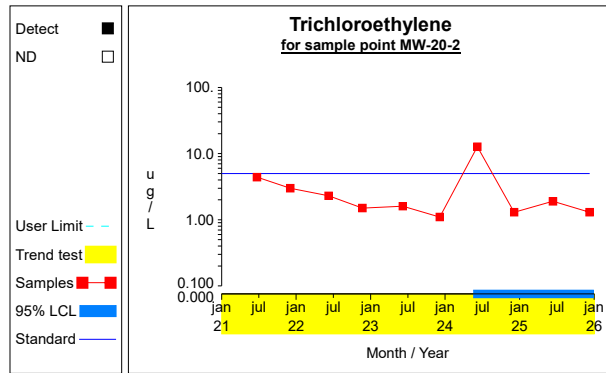


Graph 18

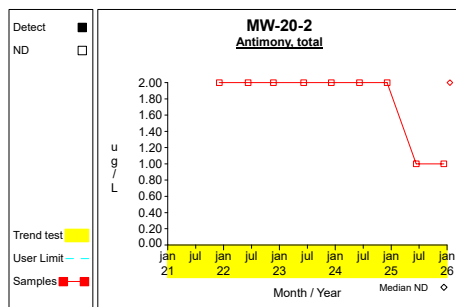
Confidence Limits (Assessment)



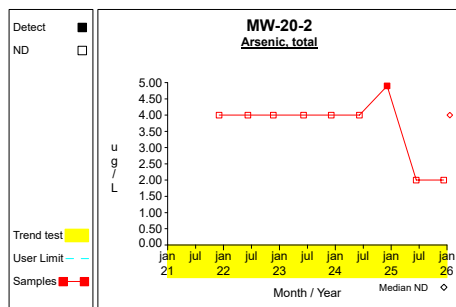
Confidence Limits (Assessment)



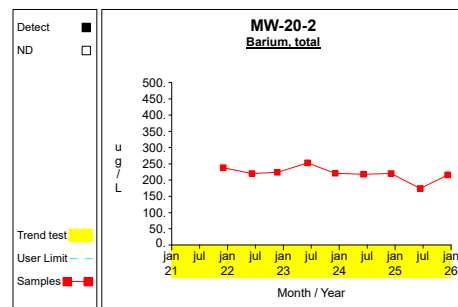
Time Series



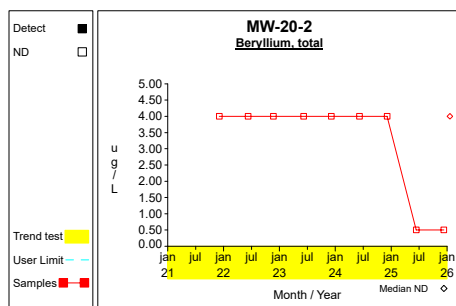
Graph 1



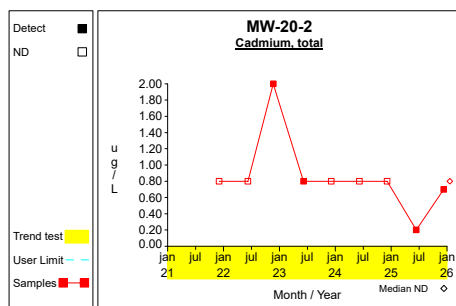
Graph 2



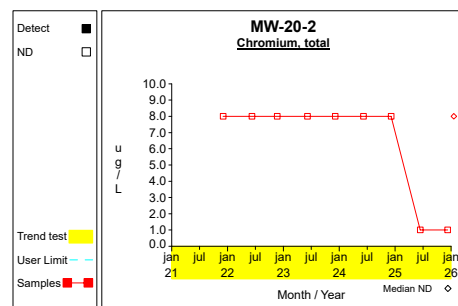
Graph 3



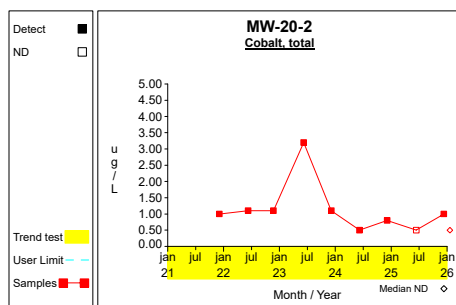
Graph 4



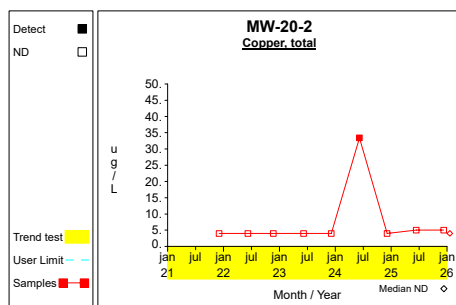
Graph 5



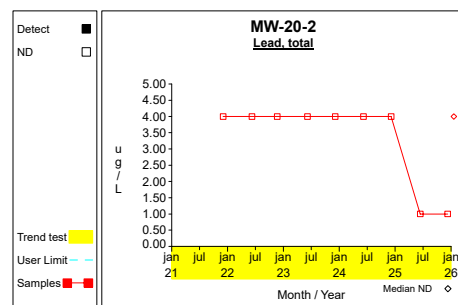
Graph 6



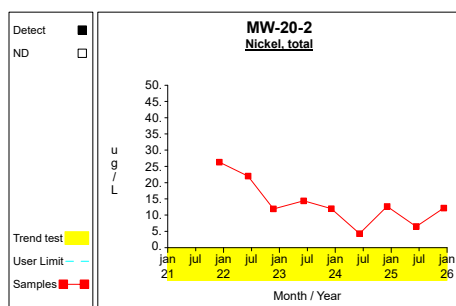
Graph 7



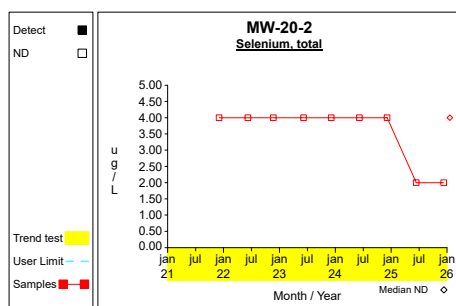
Graph 8



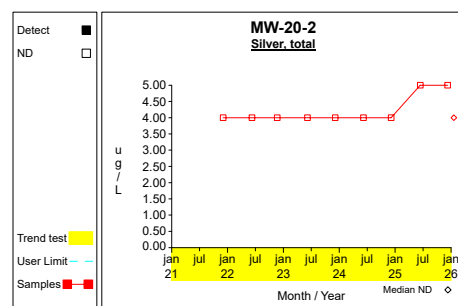
Graph 9



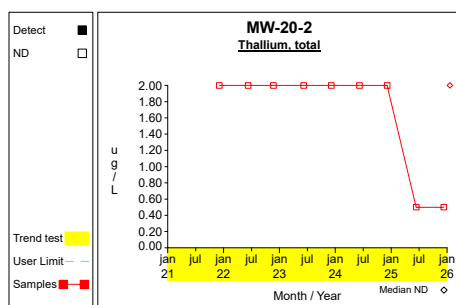
Graph 10



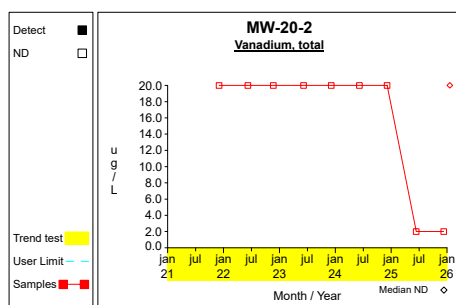
Graph 11



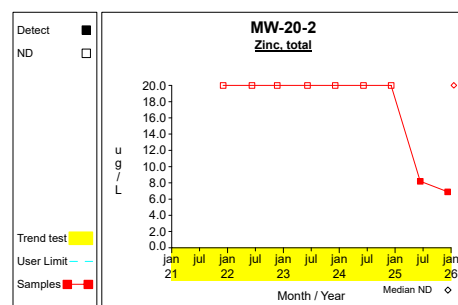
Graph 12



Graph 13

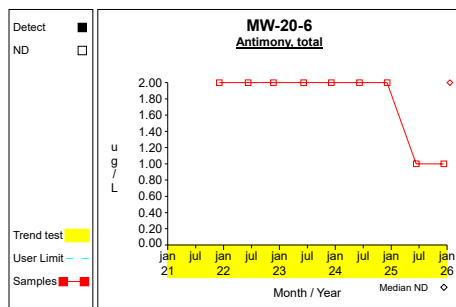


Graph 14

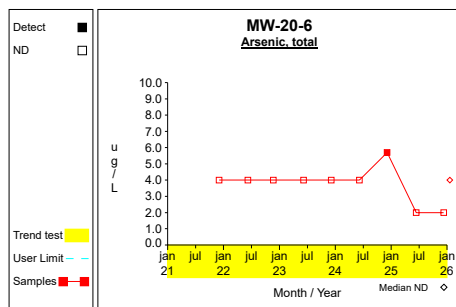


Graph 15

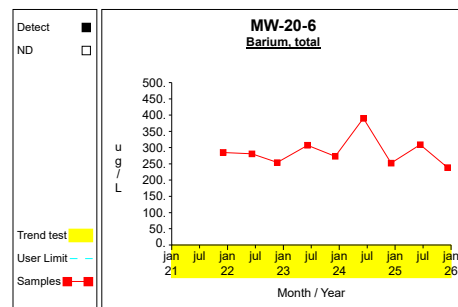
Time Series



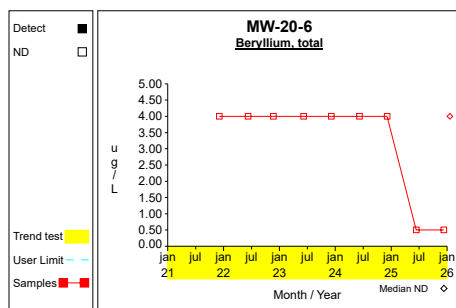
Graph 16



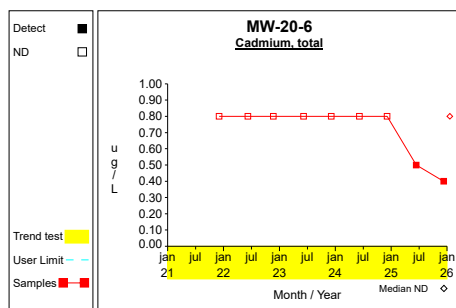
Graph 17



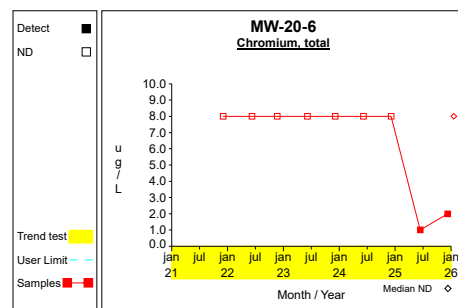
Graph 18



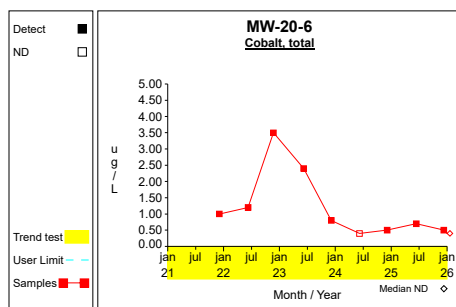
Graph 19



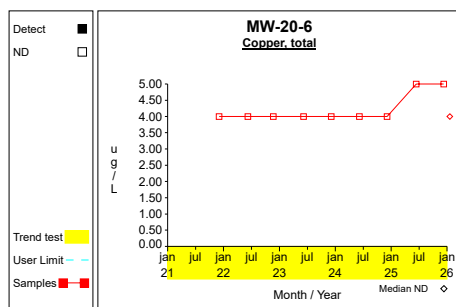
Graph 20



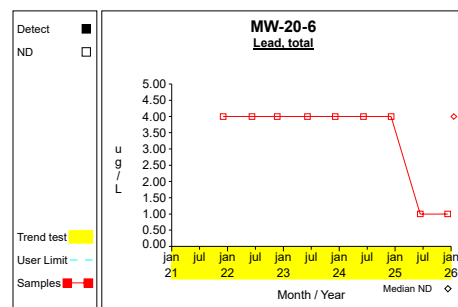
Graph 21



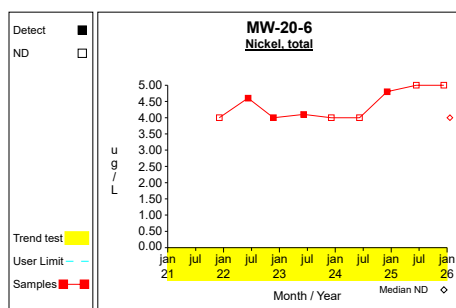
Graph 22



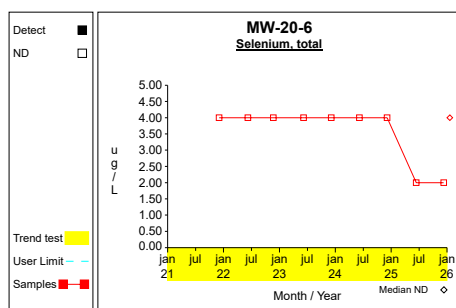
Graph 23



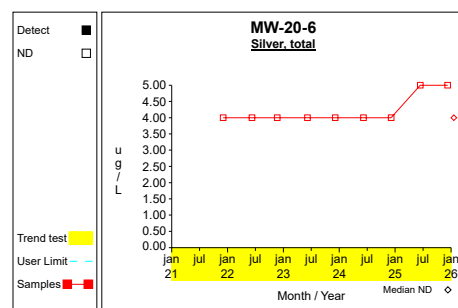
Graph 24



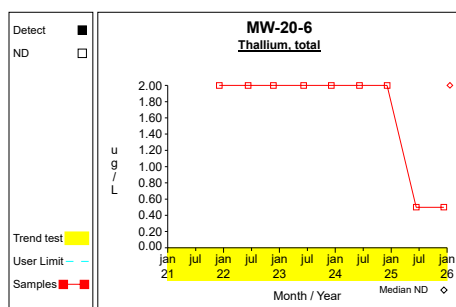
Graph 25



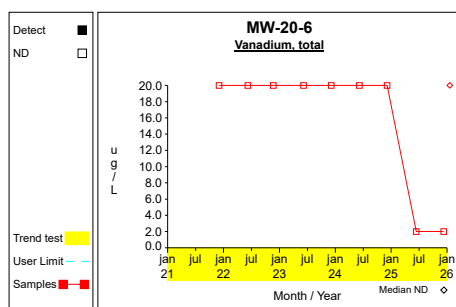
Graph 26



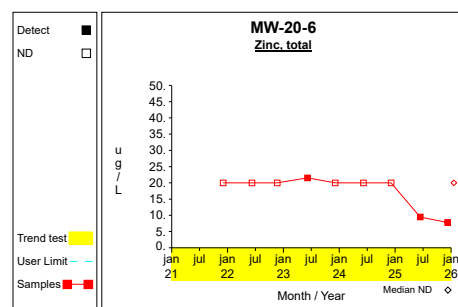
Graph 27



Graph 28

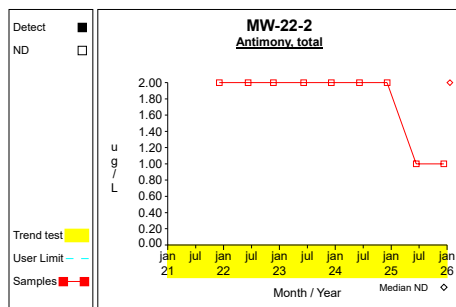


Graph 29

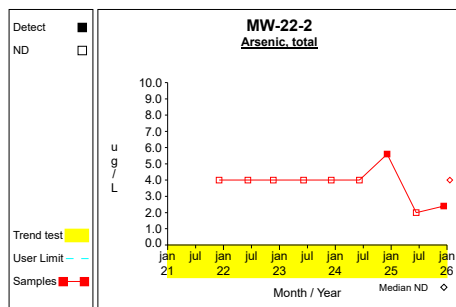


Graph 30

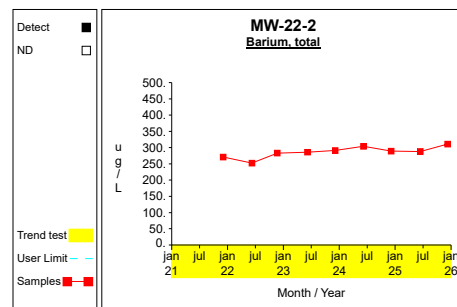
Time Series



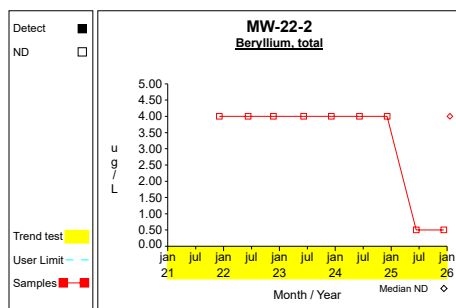
Graph 31



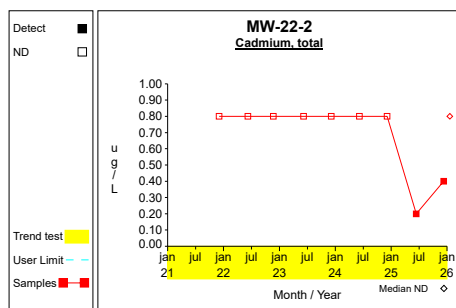
Graph 32



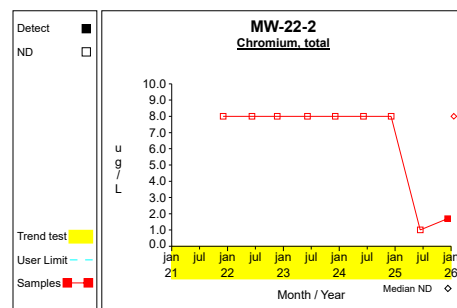
Graph 33



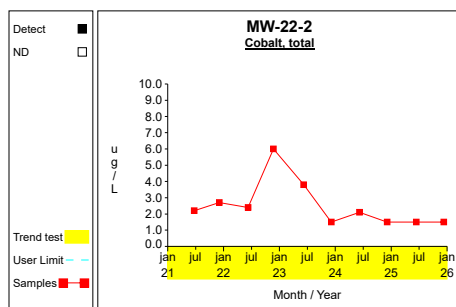
Graph 34



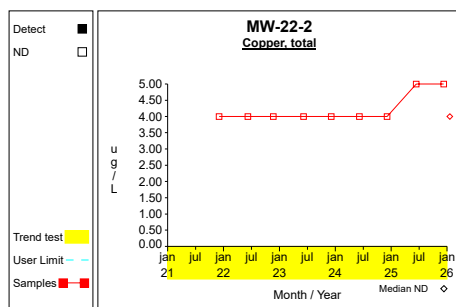
Graph 35



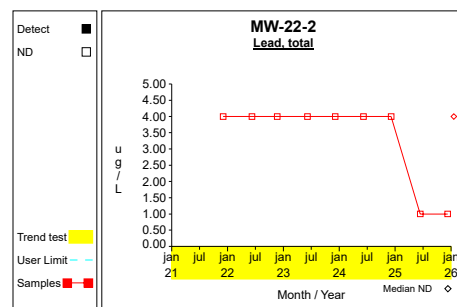
Graph 36



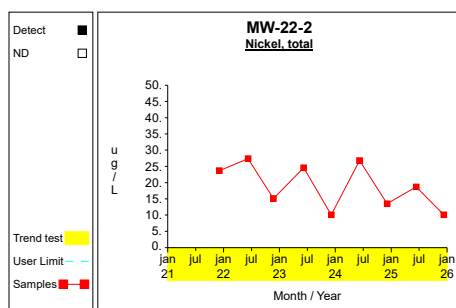
Graph 37



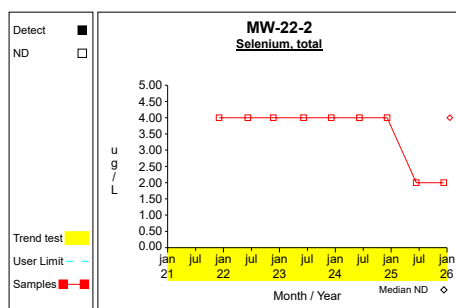
Graph 38



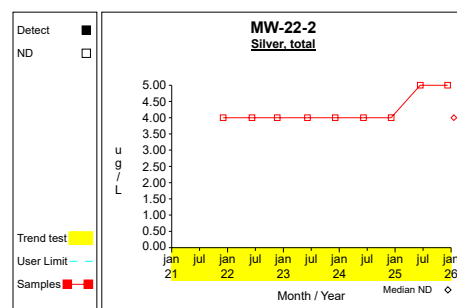
Graph 39



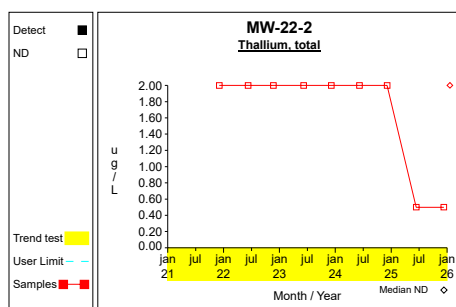
Graph 40



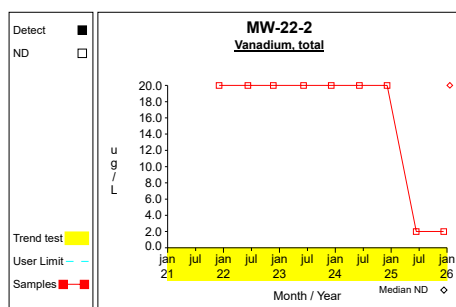
Graph 41



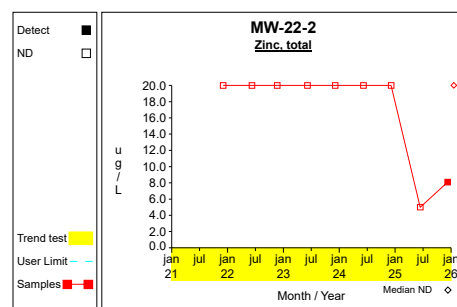
Graph 42



Graph 43



Graph 44



Graph 45

Appendix H

Leachate Collection System Performance Evaluation Report

Appendix H.1-
Lagoon Discharge Volumes

IOWA COUNTY SLF LAGOON DISCHARGES
2025

MONTH	FLOW MGM
JAN	0
FEB	0
MAR	0.05184
APR	0.2587
MAY	0.2498
JUN	0.195
JUL	0.2155
AUG	0.2015
SEP	0.1894
OCT	0.1754
NOV	0.1171
DEC	0.1012

1,755,440 gallons

Appendix H.2-
Monthly Lagoon Discharge Monitoring Reports

[illegible]

Mon. Point Parameter	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER																																				
	FLOW		CBOD5		BOD5		TSS		NH3-N		PH MIN/MAX		ZN		TRC		FE (IRON)		TOT-N		PHOS		TEMP		BENZACD		PHENOL		DO		p-CRESOL		ATERPINEOL		ANN AVG N		ANN AVG P
Units	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	STD UNITS	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	FAHRENHEIT	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY
Frequency	7/WEEK OR DAILY	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY MONTH	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY MONTH	1 EVERY MONTH	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 12 MONTHS	1 EVERY 12 MONTHS	1 EVERY 12 MONTHS	1 EVERY 12 MONTHS
Start Date																																					
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	
No Discharge	01 - LAGOON STOR	01 - LAGOON STOR	01 - LAGOON STOR	01 - LAGOON STOR	01 - LAGOON STOR	06 - NOT REQ / MP	06 - NOT REQ / MP	01 - LAGOON STOR	01 - LAGOON STOR	01 - LAGOON STOR	01 - LAGOON STOR	01 - LAGOON STOR	01 - LAGOON STOR	01 - LAGOON STOR	01 - LAGOON STOR	01 - LAGOON STOR	01 - LAGOON STOR	01 - LAGOON STOR	01 - LAGOON STOR	01 - LAGOON STOR	01 - LAGOON STOR	06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP
LOG																																					
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Mon. Point	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER																																
Parameter	FLOW	CBOD5		BOD5		TSS		NH3-N		PH MIN/MAX	ZN		TRC		FE (IRON)		TOC-N		PHOS		TEMP	BENZACD		PHENOL		DO		p-CRESOL		ATERPINEOL		ANN AVG N	ANN AVG P
Units	MGD	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	STD UNITS	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	FAHRENHEIT	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	LBS/DAY	LBS/DAY
Frequency	7/WEEK OR DAILY	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY MONTH	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY MONTH	1 EVERY MONTH	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 12 MONTHS	1 EVERY 12 MONTHS	
Start Date																																	
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	
No Discharge LOG																																	
Day: 1	0																																
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3	0																																
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22	0																																
23	0																																
24	0.00648																																
25	0.00648	33	1.7834256	37	1.9995984	3	0.1621296	0.12	0.006485184	8.02 <20.020	<		0.03	0.001621296	0.184	0.009943948	4.99	0.269675568	<0.5	<	49.3 <50	<		<10	<		10.6	0.57285792	<10	<	<10	<	
26	0.00648																																
27	0.00648																																
28	0.00648																																
29	0.00648																																
30	0.00648																																
31	0.00648																																
Total	0.05184	33	1.7834256	37	1.9995984	3	0.1621296	0.12	0.006485184	8.02	0	0	0.03	0.001621296	0.184	0.009943948	4.99	0.269675568	0	0	49.3	0	0	0	0	10.6	0.57285792	0	0	0	0	0	
Monthly Avg	0.001672236	33	1.7834256	37	1.9995984	3	0.1621296	0.12	0.006485184	8.02	0	0	0.03	0.001621296	0.184	0.009943948	4.99	0.269675568	0	0	49.3	0	0	0	0	10.6	0.57285792	0	0	0	0	0	
Daily Max	0.00648	33	1.7834256	37	1.9995984	3	0.1621296	0.12	0.006485184	8.02			0.03	0.001621296	0.184	0.009943948	4.99	0.269675568			49.3					10.6	0.57285792						
Daily Min		33	1.7834256	37	1.9995984	3	0.1621296	0.12	0.006485184	8.02			0.03	0.001621296	0.184	0.009943948	4.99	0.269675568			49.3					10.6	0.57285792						
Max. 7d Avg	0.004628571	33	1.7834256	37	1.9995984	3	0.1621296	0.12	0.006485184	8.02			0.03	0.001621296	0.184	0.009943948	4.99	0.269675568			49.3					10.6	0.57285792						

Mon. Point	FINAL EFFLUENT	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER																															
Parameter	FLOW	CBOD5		BOD5		TSS		NH3-N		PH MIN/MAX	ZN		TRC		FE (IRON)		TOC		PHOS		TEMP	BENZACD		PHENOL		DO		p-CRESOL		ATERPINEOL		ANN AVG N	ANN AVG P
Units	MGD	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	STD UNITS	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	FAHRENHEIT	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	LBS/DAY	LBS/DAY
Frequency	7/DAY OR DAILY	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY MONTH	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY MONTH	1 EVERY MONTH	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 12 MONTHS	1 EVERY 12 MONTHS	
Start Date																																	
End Date																																	
No Discharge																																	
LOG																																	
Day: 1	0.0083							<0.10	<				0.02	0.00138444			2.88	0.19939936	<0.50	<											0.215667005	0.014625102	
2	0.0083																																
3	0.0083																																
4	0.0083																																
5	0.0083																																
6	0.0083																																
7	0.0083																																
8	0.0086	39	2.797236	44	3.155656			0.83	0.05963092		<0.020	<	0.01	0.00071724	0.152	0.010902048	7.58	0.54366792	<0.5	<													
9	0.0086																																
10	0.0086																																
11	0.0086																																
12	0.0086																																
13	0.0086																																
14	0.0086																																
15	0.0079							0.4	0.0263544				0.05	0.0032943			6.13	0.40388119	<1.25	<													
16	0.0079																																
17	0.0079																																
18	0.0079																																
19	0.0079																																
20	0.0079																																
21	0.0079																																
22	0.0086							0.67	0.0480509				0.04	0.00296896			9.27	0.66488148	<0.5	<													
23	0.0086																																
24	0.0086																																
25	0.0086																																
26	0.0086																																
27	0.0086																																
28	0.0086																																
29	0.0083									7			0.05	0.0034611							62.8						7.8	0.5399316					
30	0.0083							0.79	0.05468538								6.85	0.4741707	<0.5	<													
31	0.0083																																
Total	0.2307	39	2.797236	44	3.155656			2.86	0.18862576	7	0	0	0.11	0.01172604	0.152	0.010902048	32.71	2.28590604	0	0	62.8				0	7.8	0.5399316			0	0.215667005	0.014625102	
Monthly Avg	0.008345161	39	2.797236	44	3.155656			0.538	0.037725156	7	0	0	0.034	0.002345209	0.152	0.010902048	6.542	0.457192128	0	0						7.8	0.5399316				0.215667005	0.014625102	
Daily Max	0.0086	39	2.797236	44	3.155656			0.83	0.05963092	7			0.05	0.0034611	0.152	0.010902048	9.27	0.66488148			62.8					7.8	0.5399316				0.215667005	0.014625102	
Daily Min	0.0079	39	2.797236	44	3.155656					7			0.01	0.00071724	0.152	0.010902048	2.88	0.19939936			62.8					7.8	0.5399316				0.215667005	0.014625102	
Max. 7/Avg	0.0086	39	2.797236	44	3.155656			0.83	0.05963092	7			0.05	0.0032943	0.152	0.010902048	9.27	0.66488148								7.8	0.5399316				0.215667005	0.014625102	

Outfall #: 001
Month/Year: 5-2025

Mon. Point	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER																														
Parameter	CBOD5	YSS	NH3-N	PH MIN/MAX	ZN	TRC	FE (IRON)	TOC	POC	TEMP	BENZACD	PHENOL	DO	p-CRESOL	ATERPINEOL	ANN AVG N	ANN AVG P														
Units	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY													
Frequency	7/EV MO	1/EV MO	1/EV MO	1/EV MO	1/EV 3 MO	1/EV 3 MO	1/EV MO	1/EV MO	1/TM PW	1/TM PW	1/EV MO	1/EV MO	1/TM PW	1/TM PW	1/EV MO	1/EV 3 MO	1/EV 3 MO	1/EV 3 MO													
Start Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration													
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration													
No Discharge	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration													
LOG																															
Day: 1	0.0098																														
2	0.0098																														
3	0.0098																														
4	0.0098																														
5	0.0098																														
6	0.0098																														
7	0.0098	100	7.1724	98	7.028952			0.59	0.04231716	<0.020	<		0.03	0.00215172	1.18	0.08463432	6.58	0.47194392	<0.50	<											
8	0.0098																														
9	0.0098																														
10	0.0098																														
11	0.0098																														
12	0.0072							0.48	0.02882304				0.05	0.0030024			7.12	0.42754176	4.02	0.24139296											
13	0.0072																														
14	0.0072																														
15	0.0072																														
16	0.0072																														
17	0.0072																														
18	0.0072																														
19	0.0072			133	7.986384			0.41	0.02461968				0.05	0.0030024			7.18	0.43114464	<0.50	<				7	0.420336						
20	0.0072																														
21	0.0072																														
22	0.0072																														
23	0.0072																														
24	0.0098																														
25	0.0098																														
26	0.0098																														
27	0.0098	115	8.24826	145	10.35998			0.21	0.01506204	7			0.04	0.00288896			6.01	0.43106124	<1.25	<	63.3										
28	0.0098																														
29	0.0098																														
30	0.0098																														
31	0.0098																														
Total	0.2498	215	15.42066	376	25.415316			1.86	0.11082192	7	0	0	0.11	0.01102548	1.18	0.08463432	26.88	1.76189156	4.02	0.24139296	63.3			0				0			
Monthly Avg	0.009806065	107.5	7.71033	125.3333333	8.471772			0.4225	0.02770548	7	0	0	0.0425	0.00275637	1.18	0.08463432	6.7225	0.44042288	1.005	0.08034824	63.3					7	0.420336				
Daily Max	0.0098	115	8.24826	145	10.35998			0.59	0.04231716	7			0.05	0.0030024	1.18	0.08463432	7.18	0.47194392	4.02	0.24139296	63.3					7	0.420336				
Daily Min	0.0072	100	7.1724	98	7.028952			0.21	0.01506204	7			0.03	0.00215172	1.18	0.08463432	6.01	0.42754176							7	0.420336					
Max. 7/Avg	0.0098	115	8.24826	145	10.35998			0.59	0.04231716	7			0.05	0.0030024	1.18	0.08463432	7.18	0.47194392	4.02	0.24139296	63.3					7	0.420336				

Mon. Point	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER																																
Parameter	FLOW	CBOD5		BOD5		TSS		NH3-N		PH MINMAX	ZN		TRC		FE (IRON)		TOC-N		PHOS		TEMP	BENZACD		PHENOL		DO		p-CRESOL		ATERPINEOL		ANN AVG N	ANN AVG P
Units	MGD	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	STD UNITS	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	FAHRENHEIT	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	LBS/DAY	LBS/DAY
Frequency	7/DAY OR DAILY	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY MONTH	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY MONTH	1 EVERY MONTH	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 12 MONTHS	1 EVERY 12 MONTHS
Start Date																																	
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge																																	
LOG																																	
Day: 1	0.0005																																
2	0.0005																																
3	0.0005	158	8.56518		109	5.90889	24	1.30104	0.63	0.0341523	<0.020	<	0.05	0.0027105	1.4	0.075894	7.85	0.4255485	<0.50	<		<50	<	<10	<			<10	<	<10	<		
4	0.0005																																
5	0.0005																																
6	0.0005																																
7	0.0005																																
8	0.0005																																
9	0.0005																																
10	0.0005								0.71	0.0384891			0.05	0.0027105			6.48	0.3512808	<1.25	<													
11	0.0005																																
12	0.0005																																
13	0.0005																																
14	0.0005																																
15	0.0005																																
16	0.0005																																
17	0.0005										7										74.4						5.7	0.308997					
18	0.0005								0.44	0.0238524			0.02	0.0010642			9.2	0.498732	<0.50	<													
19	0.0005																																
20	0.0005																																
21	0.0005																																
22	0.0005																																
23	0.0005																																
24	0.0005																																
25	0.0005																																
26	0.0005								0.18	0.0097578			0	0			7.53	0.4082013	<0.50	<													
27	0.0005																																
28	0.0005																																
29	0.0005																																
30	0.0005																																
31	0.0005																																
Total	0.105	158	8.56518		109	5.90889	24	1.30104	1.36	0.1062516	7	0	0	0.12	0.0065522	1.4	0.075894	31.05	1.6837626	0	0	0	0	0	0	5.7	0.308997	0	0	0	0	0	
Monthly Avg	0.0005	158	8.56518		109	5.90889	24	1.30104	0.49	0.0265626	7	0	0	0.03	0.0016263	1.4	0.075894	7.765	0.42094262	0	0	0	0	0	0	5.7	0.308997	0	0	0	0	0	
Daily Max	0.0005	158	8.56518		109	5.90889	24	1.30104	0.71	0.0384891	7			0.05	0.0027105	1.4	0.075894	9.2	0.498732		74.4				5.7	0.308997							
Daily Min	0.0005	158	8.56518		109	5.90889	24	1.30104	0.18	0.0097578	7					1.4	0.075894	6.48	0.3512808		74.4				5.7	0.308997							
Max. 7/Avg	0.0005	158	8.56518		109	5.90889	24	1.30104	0.71	0.0384891	7			0.05	0.0027105	1.4	0.075894	9.2	0.498732		74.4				5.7	0.308997							

Mon. Point	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER																																
Parameter	FLOW	CBOD5		BOD5		TSS		NH3-N		PH MIN/MAX	ZN		TRC		FE (IRON)		TOC		PHOS		TEMP	BENZACD		PHENOL		DO		p-CRESOL		ATERPINEOL		ANN AVG N	ANN AVG P
Units	MGD	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	STD UNITS	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	FAHRENHEIT	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	LBS/DAY	LBS/DAY
Frequency	7/DAY OR DAILY	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY MONTH	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 12 MONTHS	1 EVERY 12 MONTHS	
Start Date																																	
End Date																																	
No Discharge																																	
LOG																																	
Day: 1	0.0058							0.32	0.01547504				<0.01	<			4.88	0.23605538	<1.25	<													
2	0.0058																																
3	0.0058																																
4	0.0058																																
5	0.0058																																
6	0.0058																																
7	0.0058																																
8	0.0058	103	4.982316	160	7.73652			0.33	0.01596276		<0.020	<	<0.01	<	0.69	0.03337668	5.68	0.27475528	<0.50	<													
9	0.0072																																
10	0.0072																																
11	0.0072																																
12	0.0072																																
13	0.0072																																
14	0.0072																																
15	0.0072																																
16	0.0072							0.41	0.02461968	7			<0.01	<			8.41	0.50500368	0.58	0.03482784	73.3					4.5	0.270216						
17	0.0072																																
18	0.0079																																
19	0.0079																																
20	0.0079																																
21	0.0079																																
22	0.0079							0.29	0.01910694				0.03	0.00197658			6.32	0.41639902	<2.50	<													
23	0.0079																																
24	0.0079																																
25	0.0079																																
26	0.0079																																
27	0.0079																																
28	0.0079																																
29	0.0058							0.62	0.02999064				0.02	0.00086744			7.14	0.34537628	<1.00	<													
30	0.0058																																
31	0.0058																																
Total	0.2155	103	4.982316	160	7.73652			1.97	0.10515008	7	0	0	0	0.02	0.00284402	0.69	0.03337668	32.43	1.7772876	0.58	0.03482784	73.3			0		0	4.5	0.270216				
Monthly Avg	0.009695113	103	4.982316	160	7.73652			0.394	0.021031812	7	0	0	0	0.01	0.000568804	0.69	0.03337668	6.488	0.35551752	0.116	0.009365568	73.3						4.5	0.270216				
Daily Max	0.0079	103	4.982316	160	7.73652			0.62	0.02999064	7	0		0.03	0.00197658	0.69	0.03337668	8.41	0.50500368	0.58	0.03482784	73.3							4.5	0.270216				
Daily Min	0.0058	103	4.982316	160	7.73652			0.29	0.01547504	7					0.69	0.03337668	4.88	0.23605538											4.5	0.270216			
Max. 7-Avg	0.0079	103	4.982316	160	7.73652			0.41	0.02461968	7			0.03	0.00197658	0.69	0.03337668	8.41	0.50500368	0.58	0.03482784	73.3							4.5	0.270216				

Mon. Point	FINAL EFFLUENT	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER																															
Parameter	FLOW	CBOD5		BOD5		TSS		NH3-N		PH MIN/MAX	ZN		TRC		FE (IRON)		TOT-N		PHOS		TEMP	BENZACD		PHENOL		DO		p-CRESOL		ATERPINEOL		ANN AVG N	ANN AVG P
Units	MGD	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	STD UNITS	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	FAHRENHEIT	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	LBS/DAY	LBS/DAY
Frequency	7/WEEK OR DAILY	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY MONTH	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY MONTH	1 EVERY MONTH	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 12 MONTHS	1 EVERY 12 MONTHS	
Start Date																																	
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	
No Discharge						06 - NOT REQ / MP	06 - NOT REQ / MP						05 - NO DETECTION	05 - NO DETECTION	05 - NO DETECTION	05 - NO DETECTION						06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP			06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP
LOG																																	
Day: 1	0.0043																																
2	0.0043																																
3	0.0043																																
4	0.0043																																
5	0.0043																																
6	0.0043																																
7	0.0043	54	1.936548	58	2.079996			0.28	0.00932412		<0.020	<	<0.01	<	0.114	0.004088268	5.25	0.1882755	<2.5	<													
8	0.0043																																
9	0.0043																																
10	0.0043																																
11	0.0043																																
12	0.0043																																
13	0.0043																																
14	0.0043							0.28	0.01039688				<0.01	<			8.79	0.31522689	<1.00	<													
15	0.0072																																
16	0.0072																																
17	0.0072																																
18	0.0072																																
19	0.0072																																
20	0.0072																																
21	0.0072							0.25	0.015012	7			<0.01	<			8.87	0.53262576	<1.00	<	55.6					9.5	0.570456						
22	0.0072																																
23	0.0072																																
24	0.0072																																
25	0.0072																																
26	0.0072																																
27	0.0072																																
28	0.0072							0.62	0.03722976				<0.01	<			12.2	0.7325656	<1.00	<													
29	0.0072																																
30	0.0036																																
31	0.0036																																
Total	0.1754	54	1.936548	58	2.079996			1.42	0.07196286	7	0	0	0	0	0.114	0.004088268	35.11	1.76871384	0	0	55.6				0	9.5	0.570456			0			
Monthly Avg	0.00568065	54	1.936548	58	2.079996			0.355	0.017991405	7	0	0	0	0	0.114	0.004088268	8.7775	0.44217648	0	0	55.6					9.5	0.570456						
Daily Max	0.0072	54	1.936548	58	2.079996			0.62	0.03722976	7					0.114	0.004088268	12.2	0.7325656			55.6					9.5	0.570456						
Daily Min	0.0036	54	1.936548	58	2.079996			0.26	0.00932412	7					0.114	0.004088268	5.25	0.1882755			55.6					9.5	0.570456						
Max 7/Avg	0.0072	54	1.936548	58	2.079996			0.62	0.03722976	7					0.114	0.004088268	12.2	0.7325656			55.6					9.5	0.570456						

Mon. Point	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER																																
Parameter	FLOW	CBOD5		BOD5		TSS		NH3-N		PH MIN/MAX	ZN		TRC		FE (IRON)		TOC		PHOS		TEMP	BENZACD		PHENOL		DO		p-CRESOL		ATERPINEOL		ANN AVG N	ANN AVG P
Units	MGD	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	STD UNITS	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	FAHRENHEIT	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	MGL	LBS/DAY	LBS/DAY	LBS/DAY
Frequency	7/DAY OR DAILY	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY MONTH	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY MONTH	1 EVERY MONTH	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 3 MONTHS	1 EVERY 12 MONTHS	1 EVERY 12 MONTHS	
Start Date																																	
End Date																																	
No Discharge						06 - NOT REQ / MP	06 - NOT REQ / MP						05 - NO DETECTION	05 - NO DETECTION	05 - NO DETECTION	05 - NO DETECTION						06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP				06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP
LOG																																	
Day: 1	0.0036																																
2	0.0036																																
3	0.0036																																
4	0.0036							1.38	0.04083284																								
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9	0.0036																																
10	0.0036																																
11	0.0036	6	0.180144		7	0.210168		1.15	0.0345276		<0.020	<	<0.01	<	0.14	0.00420336	12.5	0.3753	<1.00	<													
12	0.0036																																
13	0.0036																																
14	0.0036																																
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18	0.0043							1.4	0.0502068																								
19	0.0043																																
20	0.0043																																
21	0.0043																																
22	0.0043																																
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24	0.0043							1.5	0.053793	7																							
25	0.0043																																
26	0.0043																																
27	0.0043																																
28	0.0043																																
29	0.0043																																
30	0.0043																																
31	0.0043																																
Total	0.1171	6	0.180144	7	0.210168	0	5.41	0.1793000	7	0	0	0	0	0	0.14	0.00420336	56.3	1.8830592	0	0	47.4		0		0	10.2	0.3657824		0		0		
Monthly Avg	0.00390333	6	0.180144	7	0.210168		1.3525	0.04484001	7	7	0	0	0	0	0	0.14	0.00420336	14.075	0.4707513	0	0	47.3				10.2	0.3657824						
Daily Max	0.0043	6	0.180144	7	0.210168			1.5	0.053793	7					0.14	0.00420336	16.7	0.5988954			47.3					10.2	0.3657824						
Daily Min	0.0036	6	0.180144	7	0.210168			1.15	0.0345276	7					0.14	0.00420336	10.8	0.3242592			47.3					10.2	0.3657824						
Max. 7-Avg	0.0043	6	0.180144	7	0.210168			1.5	0.053793	7					0.14	0.00420336	16.7	0.5988954			47.3					10.2	0.3657824						

Outfall #: 001
Month/Year: 12-2025

Mon. Point	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER																															
Parameter	CBOD5	YSS	NH3-N	PH MIN/MAX	ZN	TRC	FE (IRON)	TO-N	PHOS	TEMP	BENZACD	PHENOL	DO	p-CRESOL	ATERPINEOL	ANN AVG N	ANN AVG P															
Units	MG/L	MG/L	MG/L	STD UNITS	MG/L	MG/L	MG/L	MG/L	MG/L	DEGREE	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L															
Frequency	7/EV MO OR DAILY	1 EVRY 3 MONTHS	1 EVRY 3 MONTHS	1 EVRY MONTH	1 EVRY MONTH	1 TIME PER WEEK	1 EVRY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	1 EVRY MONTH	1 EVRY 3 MONTHS	1 EVRY 3 MONTHS	1 EVRY 3 MONTHS	1 EVRY 3 MONTHS	1 EVRY 3 MONTHS	1 EVRY 12 MONTHS	1 EVRY 12 MONTHS															
Start Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration															
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration															
No Discharge	05 - NO DETECTION	05 - NO DETECTION	05 - NO DETECTION	05 - NO DETECTION	05 - NO DETECTION	05 - NO DETECTION	05 - NO DETECTION	05 - NO DETECTION	05 - NO DETECTION	05 - NO DETECTION	05 - NO DETECTION	05 - NO DETECTION	05 - NO DETECTION	05 - NO DETECTION	05 - NO DETECTION	06 - NOT REQ / MP	06 - NOT REQ / MP															
LOG																																
Day: 1	0.005																															
2	0.005	<6	<		7	0.2919	15	0.6255	1.38	0.057546	<0.020	<	<0.01	<		0.106	0.0044202	15.7	0.85469	<1.00	<		<50	<	<10	<		<10	<			
3	0.005																															
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18	0.0096																															
19	0.0036																															
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27	0																															
28	0																															
29	0																															
30	0																															
31	0																															
Total	0.1072	0	0	0	7	0.2919	15	0.6255	2.76	0.12838296	7	0	0	0	0	0.106	0.0044202	81.9	3.6962046	0	0	0	38.7	0	0	0	0	11.8	0.4231716	0	0	
Monthly Avg	0.003264516	0	0	0	7	0.2919	15	0.6255	0.69	0.03209649	7	0	0	0	0	0.106	0.0044202	20.475	0.92405115	0	0	0	38.7	0	0	0	0	11.8	0.4231716	0	0	
Daily Max	0.0096				7	0.2919	15	0.6255	1.38	0.057546	7					0.106	0.0044202	23.6	1.6926864				38.7					11.8	0.4231716			
Daily Min					7	0.2919	15	0.6255	0.32	0.00987456	7					0.106	0.0044202	15.7	0.520416				38.7					11.8	0.4231716			
Max. 7/Avg	0.005				7	0.2919	15	0.6255	1.38	0.057546	7					0.106	0.0044202	23.6	1.6926864				38.7					11.8	0.4231716			

Appendix H.3 –
NPDES Discharge Permit



STATE OF IOWA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROGRAM
AMENDMENT TO NPDES PERMIT

Iowa NPDES Permit #:	4800904
Date of Issuance:	October 1, 2019
Date of Expiration:	September 30, 2024
Date of this Amendment:	April 1, 2022
EPA Number:	IA0072206

Name and Mailing Address of Applicant:

REGIONAL ENVIRONMENTAL IMPROVEMENTS COMMISSION
3369 HWY 6 TRAIL
HOMESTEAD, IA 52236

Identity and Location of Facility:

IOWA COUNTY SANITARY LANDFILL
3369 HWY 6 TRAIL
HOMESTEAD, IA 52236

Township 80N, Range 09W, Section 1
Iowa County

Pursuant to the authority Iowa Code Section 455B.174, and of Rule 567--64.3, Iowa Administrative Code, the Director of the Iowa Department of Natural Resources has issued the above referenced permit. Pursuant to the same authority the Director hereby amends said permit as set forth below:

The permit is being amended to add annual average mass effluent limits for total nitrogen and total phosphorus at outfall 001 in accordance with the Nutrient Reduction Strategy, as well as associated monitoring and reporting requirements for "annual average nitrogen discharged (as N)" and "annual average phosphorus discharged (as P)." These changes are reflected on pages #5, 9, and 10 in the attached permit. The permit is also being amended to remove the previous page titled "Nutrient Reduction Requirements." Additional, unrelated changes include: a revision to the appeal deadline on page #1; updates to the standardized language for monitoring and reporting requirements on page #6; removal of duplicative special monitoring language for total nitrogen on page #10; removal of the previous compliance schedule for total residual chlorine; and updates to the standard conditions on the last three pages of the permit. Please replace your current permit with the attached permit.

For the Department of Natural Resources:

By _____
Melinda McCoy
NPDES Section
ENVIRONMENTAL SERVICES DIVISION



STATE OF IOWA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROGRAM
AMENDMENT TO NPDES PERMIT

Iowa NPDES Permit #:	4800904
Date of Issuance:	October 1, 2019
Date of Expiration:	September 30, 2024
Date of this Amendment:	July 1, 2020
EPA Number:	IA0072206

Name and Mailing Address of Applicant:

REGIONAL ENVIRONMENTAL IMPROVEMENTS COMMISSION
3369 HWY 6 TRAIL
HOMESTEAD, IA 52236

Identity and Location of Facility:

IOWA COUNTY SANITARY LANDFILL
3369 HWY 6 TRAIL
HOMESTEAD, IA 52236

Township 80N, Range 09W, Section 1
Iowa County

Pursuant to the authority Iowa Code Section 455B.174, and of Rule 567--64.3, Iowa Administrative Code, the Director of the Iowa Department of Natural Resources has issued the above referenced permit. Pursuant to the same authority the Director hereby amends said permit as set forth below:

The permit is being amended to correct a typographical error that affected the total residual chlorine (TRC) effluent limits for outfall 001 found on page 5 of the permit. The daily maximum concentration-based TRC limit is being revised from 0.011 mg/L to 0.053 mg/L. The monthly average mass-based TRC limit is being revised from 0.053 lbs/day to 0.011 lbs/day. These limits are based on the wasteload allocation (WLA) dated July 9, 2019. Please remove page 5 from the NPDES permit and replace it with the enclosed page 5. Additionally, please attach this amendment form to the front of your NPDES permit.

For the Department of Natural Resources:

By Melinda McCoy Digitally signed by Melinda McCoy
Date: 2020.06.03 10:06:06 -05'00'
Melinda McCoy
NPDES Section
ENVIRONMENTAL SERVICES DIVISION

IOWA DEPARTMENT OF NATURAL RESOURCES
National Pollutant Discharge Elimination System (NPDES) Permit

OWNER NAME & ADDRESS

REGIONAL ENVIRONMENTAL
IMPROVEMENTS COMMISSION
3369 HWY. 6 TRAIL
HOMESTEAD, IA 52236-0000

FACILITY NAME & ADDRESS

IOWA COUNTY SANITARY
LANDFILL
3369 HIGHWAY 6 TRAIL
HOMESTEAD, IA 52236-

Section 1, T80N, R09W
Iowa County

IOWA NPDES PERMIT NUMBER: 4800904
DATE OF ISSUANCE: 10/01/2019
DATE OF EXPIRATION: 09/30/2024

**YOU ARE REQUIRED TO FILE FOR RENEWAL
OF THIS PERMIT BY:** 04/03/2024
EPA NUMBER: IA0072206

This permit is issued pursuant to the authority of section 402(b) of the Clean Water Act (33 U.S.C 1342(b)), Iowa Code section 455B.174, and rule 567-64.3, Iowa Administrative Code. You are authorized to operate the disposal system and to discharge the pollutants specified in this permit in accordance with the effluent limitations, monitoring requirements and other terms set forth in this permit.

Pursuant to rule 561-7.4, Iowa Administrative Code, you may appeal any condition of this permit by filing a written notice of appeal and request for administrative hearing with the director of the department within 60 days of permit issuance.

Any existing unexpired Iowa operation permit or Iowa NPDES permit previously issued by the department for the facility identified above is revoked by the issuance of this permit. This provision does not apply to any authorization to discharge under the terms and conditions of a general permit issued by the department or to any permit issued exclusively for the discharge of stormwater.

FOR THE DEPARTMENT OF NATURAL RESOURCES

By _____

Melinda McCoy
NPDES Section, Environmental Services Division

Facility Name: IOWA COUNTY SANITARY LANDFILL

Permit Number: 4800904

Outfall No.: 001 DISCHARGE OF SANITARY LANDFILL LEACHATE FOLLOWING TREATMENT IN A THREE CELL AERATED LAGOON WASTEWATER TREATMENT FACILITY.

Receiving Stream: INTERMITTENT TRIBUTARY

Route of Flow: INTERMITTENT TRIBUTARY TO IOWA RIVER

Class G waters are intermittent watercourses and those watercourses which typically flow only for short periods of time following precipitation and whose channels are normally above the water table. These waters do not support a viable aquatic community during low flow and do not maintain pooled conditions during periods of no flow. General use waters are protected for livestock and wildlife watering, aquatic life, non-contact recreation, crop irrigation, and industrial, agricultural, domestic and other incidental water withdrawal uses.

Bypasses from any portion of a treatment facility or from a sanitary sewer collection system designed to carry only sewage are prohibited.

Facility Name: IOWA COUNTY SANITARY LANDFILL

Permit Number: 4800904

Effluent Limitations:

You are prohibited from discharging pollutants except in compliance with the following effluent limitations:

001 DISCHARGE OF SANITARY LANDFILL LEACHATE FOLLOWING TREATMENT IN A THREE CELL AERATED LAGOON WASTEWATER TREATMENT FACILITY.

Outfall: 001 Effective Dates: 10/01/2019 to 09/30/2024			
<u>Parameter</u>	<u>Season</u>	<u>Limit Type</u>	<u>Limits</u>
CBOD5			
	Yearly	Daily Maximum	96 MG/L 20.8 LBS/DAY
BIOCHEMICAL OXYGEN DEMAND (BOD5)			
	Yearly	30 Day Average	37 MG/L 8.02 LBS/DAY
	Yearly	Daily Maximum	140 MG/L 30.4 LBS/DAY
TOTAL SUSPENDED SOLIDS			
	Yearly	30 Day Average	27 MG/L 5.9 LBS/DAY
	Yearly	Daily Maximum	88 MG/L 19.1 LBS/DAY
AMMONIA NITROGEN (N)			
	JAN	30 Day Average	4.9 MG/L 1.1 LBS/DAY
	JAN	Daily Maximum	10.0 MG/L 2.2 LBS/DAY
	FEB	30 Day Average	4.9 MG/L 1.1 LBS/DAY
	FEB	Daily Maximum	10.0 MG/L 2.2 LBS/DAY
	MAR	30 Day Average	4.9 MG/L 1.1 LBS/DAY
	MAR	Daily Maximum	10.0 MG/L 2.2 LBS/DAY
	APR	30 Day Average	4.9 MG/L 1.1 LBS/DAY
	APR	Daily Maximum	10.0 MG/L 2.2 LBS/DAY
	MAY	30 Day Average	4.9 MG/L 1.1 LBS/DAY
	MAY	Daily Maximum	8.3 MG/L 1.8 LBS/DAY
	JUN	30 Day Average	4.9 MG/L 1.1 LBS/DAY
	JUN	Daily Maximum	8.3 MG/L 1.8 LBS/DAY
	JUL	30 Day Average	4.9 MG/L 1.1 LBS/DAY
	JUL	Daily Maximum	8.3 MG/L 1.8 LBS/DAY

Facility Name: IOWA COUNTY SANITARY LANDFILL

Permit Number: 4800904

Outfall: 001 Effective Dates: 10/01/2019 to 09/30/2024			
<u>Parameter</u>	<u>Season</u>	<u>Limit Type</u>	<u>Limits</u>
AMMONIA NITROGEN (N)			
	AUG	30 Day Average	4.9 MG/L 1.1 LBS/DAY
	AUG	Daily Maximum	6.9 MG/L 1.5 LBS/DAY
	SEP	30 Day Average	4.9 MG/L 1.1 LBS/DAY
	SEP	Daily Maximum	6.9 MG/L 1.5 LBS/DAY
	OCT	30 Day Average	4.9 MG/L 1.1 LBS/DAY
	OCT	Daily Maximum	6.9 MG/L 1.5 LBS/DAY
	NOV	30 Day Average	4.9 MG/L 1.1 LBS/DAY
	NOV	Daily Maximum	6.9 MG/L 1.5 LBS/DAY
	DEC	30 Day Average	4.9 MG/L 1.1 LBS/DAY
	DEC	Daily Maximum	10.0 MG/L 2.2 LBS/DAY
PH (MINIMUM - MAXIMUM)			
	Yearly	Daily Maximum	9.0 STD UNITS
	Yearly	Daily Minimum	6.0 STD UNITS
ZINC, TOTAL (AS ZN)			
	Yearly	30 Day Average	0.11 MG/L 0.024 LBS/DAY
	Yearly	Daily Maximum	0.20 MG/L 0.043 LBS/DAY
IRON, TOTAL (AS FE)			
	Yearly	30 Day Average	1 MG/L 0.216 LBS/DAY
	Yearly	Daily Maximum	1 MG/L 0.216 LBS/DAY
BENZOIC ACIDS, TOTAL			
	Yearly	30 Day Average	0.071 MG/L 0.015 LBS/DAY
	Yearly	Daily Maximum	0.12 MG/L 0.026 LBS/DAY
PHENOL			
	Yearly	30 Day Average	0.015 MG/L 0.0033 LBS/DAY
	Yearly	Daily Maximum	0.026 MG/L 0.0056 LBS/DAY

Facility Name: IOWA COUNTY SANITARY LANDFILL

Permit Number: 4800904

Outfall: 001 Effective Dates: 10/01/2019 to 09/30/2024				
Parameter	Season	Limit Type	Limits	
DISSOLVED OXYGEN				
	Yearly	Daily Minimum	1.0 MG/L	
p-CRESOL				
	Yearly	30 Day Average	0.014 MG/L	0.0030 LBS/DAY
	Yearly	Daily Maximum	0.025 MG/L	0.0054 LBS/DAY
a-TERPINEOL				
	Yearly	30 Day Average	0.016 MG/L	0.0035 LBS/DAY
	Yearly	Daily Maximum	0.033 MG/L	0.0072 LBS/DAY

<i>Outfall: 001 Effective Dates: 10/01/2020 to 09/30/2024</i>				
<u>Parameter</u>	<u>Season</u>	<u>Limit Type</u>	<u>Limits</u>	
CHLORINE, TOTAL RESIDUAL				
	Yearly	30 Day Average	0.053 MG/L	0.011 LBS/DAY
	Yearly	Daily Maximum	0.053 MG/L	0.011 LBS/DAY

Outfall: 001 Effective Dates: 04/01/2022 to 09/30/2024			
Parameter	Season	Limit Type	Limits
ANNUAL AVERAGE NITROGEN DISCHARGED (AS N)			
	Yearly	Annual Average	1.6 LBS/DAY
ANNUAL AVERAGE PHOSPHORUS DISCHARGED (AS P)			
	Yearly	Annual Average	0.1 LBS/DAY

Facility Name: IOWA COUNTY SANITARY LANDFILL

Permit Number: 4800904

Monitoring and Reporting Requirements

(a) Samples and measurements taken shall be representative of the volume and nature of the monitored wastewater.

(b) Analytical and sampling methods specified in 40 CFR Part 136 or other methods approved in writing by the department shall be utilized. All effluent samples for which a limit applies must be analyzed using sufficiently sensitive methods (i.e. testing procedures) approved under 567 IAC Chapter 63 and 40 CFR Part 136 for the analysis of pollutants or pollutant parameters or as required under 40 CFR chapter I, subchapter N or O.

For the purposes of this paragraph, an approved method is sufficiently sensitive when:

- (1) the method minimum level (ML) is at or below the level of the effluent limit established in the permit for the measured pollutant or pollutant parameter; or
- (2) the method has the lowest ML of the approved analytical methods for the measured pollutant or pollutant parameter.

Samples collected for operational testing need not be analyzed by approved analytical methods; however, commonly accepted test methods should be used.

(c) You are required to report all data including calculated results needed to determine compliance with the limitations contained in this permit. The results of any monitoring not specified in this permit performed at the compliance monitoring point and analyzed according to 40 CFR Part 136 shall be included in the calculation and reporting of any data submitted in accordance with this permit. This includes daily maximums and minimums, 30-day averages and 7-day averages for all parameters that have concentration (mg/l) and mass (lbs/day) limits. In addition, flow data shall be reported in million gallons per day (MGD).

(d) Records of monitoring activities and results shall include for all samples: the date, exact place and time of the sampling; the dates the analyses were performed; who performed the analyses; the analytical techniques or methods used; and the results of such analyses.

(e) Results of all monitoring shall be recorded on forms provided by, or approved by, the department, and shall be submitted to the appropriate regional field office of the department by the fifteenth day following the close of the reporting period. Your reporting period is on a MONTHLY basis, ending on the last day of each reporting period.

(f) Operational performance monitoring for treatment unit process control shall be conducted to ensure that the facility is properly operated in accordance with its design. The results of any operational performance monitoring need not be reported to the department, but shall be maintained in accordance with rule 567 IAC 63.2 (455B). The results of any operational performance monitoring specified in this permit shall be submitted to the department in accordance with these reporting requirements.

(g) Chapter 63 of the rules provides you with further explanation of your monitoring requirements.

Facility Name: IOWA COUNTY SANITARY LANDFILL

Permit Number: 4800904

Outfall	Wastewater Parameter	Sample Frequency	Sample Type	Monitoring Location
The following monitoring requirements shall be in effect from 10/01/2019 to 09/30/2024				
001	BIOCHEMICAL OXYGEN DEMAND (BOD5)	1 EVERY 3 MONTHS	GRAB	RAW WASTE
001	FLOW	7/WEEK OR DAILY	24 HOUR TOTAL	RAW WASTE
001	NITROGEN, TOTAL (AS N)	1 TIME PER WEEK	GRAB	RAW WASTE
001	PHOSPHORUS, TOTAL (AS P)	1 TIME PER WEEK	GRAB	RAW WASTE
001	TOTAL SUSPENDED SOLIDS	1 EVERY 3 MONTHS	GRAB	RAW WASTE
001	a-TERPINEOL	1 EVERY 3 MONTHS	GRAB	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER
001	AMMONIA NITROGEN (N)	1 EVERY MONTH	GRAB	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER
001	BENZOIC ACIDS, TOTAL	1 EVERY 3 MONTHS	GRAB	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER
001	BIOCHEMICAL OXYGEN DEMAND (BOD5)	1 EVERY MONTH	GRAB	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER
001	CBOD5	1 EVERY MONTH	GRAB	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER
001	CHLORINE, TOTAL RESIDUAL	1 TIME PER WEEK	GRAB	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER
001	DISSOLVED OXYGEN	1 EVERY MONTH	GRAB	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER
001	FLOW	7/WEEK OR DAILY	24 HOUR TOTAL	FINAL EFFLUENT

Facility Name: IOWA COUNTY SANITARY LANDFILL

Permit Number: 4800904

Outfall	Wastewater Parameter	Sample Frequency	Sample Type	Monitoring Location
The following monitoring requirements shall be in effect from 10/01/2019 to 09/30/2024				
001	IRON, TOTAL (AS FE)	1 EVERY MONTH	GRAB	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER
001	NITROGEN, TOTAL (AS N)	1 TIME PER WEEK	GRAB	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER
001	p-CRESOL	1 EVERY 3 MONTHS	GRAB	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER
001	PH (MINIMUM - MAXIMUM)	1 EVERY MONTH	GRAB	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER
001	PHENOL	1 EVERY 3 MONTHS	GRAB	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER
001	PHOSPHORUS, TOTAL (AS P)	1 TIME PER WEEK	GRAB	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER
001	TEMPERATURE	1 EVERY MONTH	MEASUREMENT	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER
001	TOTAL SUSPENDED SOLIDS	1 EVERY 3 MONTHS	GRAB	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER
001	ZINC, TOTAL (AS ZN)	1 EVERY MONTH	GRAB	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER

Facility Name: IOWA COUNTY SANITARY LANDFILL

Permit Number: 4800904

Outfall	Wastewater Parameter	Sample Frequency	Sample Type	Monitoring Location
The following monitoring requirements shall be in effect from 04/01/2022 to 09/30/2024				
001	ANNUAL AVERAGE NITROGEN DISCHARGED (AS N)	1 EVERY 12 MONTHS	CALCULATED	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER
001	ANNUAL AVERAGE PHOSPHORUS DISCHARGED (AS P)	1 EVERY 12 MONTHS	CALCULATED	AT DISCHARGE PIPE FROM THE FINAL TREATMENT LAGOON CELL AND PRIOR TO MIXING WITH OTHER WASTEWATER OR STORM WATER

Facility Name: IOWA COUNTY SANITARY LANDFILL

Permit Number: 4800904

Special Monitoring Requirements

Outfall #	Description

001	a-TERPINEOL

a-TERPINEOL IS ALPHA-TERPINEOL

NITROGEN, TOTAL (AS N)

Total nitrogen shall be determined by testing for Total Kjeldahl Nitrogen (TKN) and nitrate + nitrite nitrogen and reporting the sum of the TKN and nitrate + nitrite results (reported as N). Nitrate + nitrite can be analyzed together or separately.

ANNUAL AVERAGE NITROGEN DISCHARGED (AS N)

Annually from the permit amendment date (April 1, 2022), calculate the average of all total nitrogen mass (lbs/day) sample results from the previous 12 months. Report the annual average in the discharge monitoring report (DMR) due May 15th each year.

Calculation: Sum of all mass measurements (lbs/day) in the last 12 months divided by the total number of measurements in the last 12 months.

ANNUAL AVERAGE PHOSPHORUS DISCHARGED (AS P)

Annually from the permit amendment date (April 1, 2022), calculate the average of all total phosphorus mass (lbs/day) sample results from the previous 12 months. Report the annual average in the discharge monitoring report (DMR) due May 15th each year.

Calculation: Sum of all mass measurements (lbs/day) in the last 12 months divided by the total number of measurements in the last 12 months.

Facility Name: IOWA COUNTY SANITARY LANDFILL

Permit Number: 4800904

Special Operating Condition

You are prohibited from dosing sodium bisulfite at a ratio greater than 2 parts sodium bisulfite to 1 part total residual chlorine by mass.

CHEMICAL ADDITIVE REQUIREMENTS

At least 45 days prior to the discharge of a new chemical additive (biocide, anti-corrosive, pesticide, passivation chemical, etc.) you should submit the following items to the Department:

- Safety Data Sheet for each proposed product;
- Estimate of the discharge concentration (in ppm) of the each proposed product; and
- Either a temporary and limited degradation request (one-time discharges lasting less than 90 days) or an antidegradation alternatives analysis that has completed 30 days of public notice.

Additional information on temporary and limited degradation and antidegradation alternatives analyses can be found by going to www.iowadnr.gov and searching on the term antidegradation.

Incomplete submissions may require additional time for approval. Be aware that in rare cases chemical changes require NPDES permit amendments. These require additional review and public notice.

STANDARD CONDITIONS

1. **ADMINISTRATIVE RULES** - Rules of the Iowa Department of Natural Resources (department) that govern the operation of a facility in connection with this permit are published in Part 567 of the Iowa Administrative Code (IAC) in Chapters 60-65, 67, and 121. Reference to the term “rule” in this permit means the designated provision of Part 567 of the IAC. Reference to the term “CFR” means the Code of Federal Regulations.
2. **LIMIT DEFINITIONS** -
 - (a) 7 day average means the arithmetic mean (average) of pollutant parameter values for samples collected in a period of seven consecutive days. The first 7-day period shall begin with the first day of the month. *{567 IAC 60.2}*
 - (b) 30 day average means the arithmetic mean of pollutant parameter values for samples collected in a period of 30 consecutive days. *{567 IAC 60.2}*
 - (c) Daily maximum means the total discharge by mass, volume, or concentration during a twenty-four hour period. *{567 IAC 60.2}*
3. **MONITORING AND RECORDS OF OPERATION** -
 - (a) Electronic reporting. Records of operation required by this permit shall be electronically submitted to the department within 15 days following the close of the monthly reporting period, in accordance with the monitoring requirements incorporated in this permit, unless an approval for paper submittal of records of operation has been obtained in accordance with 567 IAC 63.7(2).
 - (b) Maintenance of records. You shall retain for a minimum of three years all paper and electronic records of monitoring activities and results including all original strip chart recordings for continuous monitoring instrumentation and calibration and maintenance records. *{567 IAC 63.2(3)}*
 - (c) Any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000 or by imprisonment for not more than two years, or both. *{40 CFR 122.41(j)(5)}*
4. **USE OF CERTIFIED LABORATORIES** - Analyses of wastewater, groundwater or sewage sludge that are required to be submitted as a result of this permit must be performed by a laboratory certified by the State of Iowa. Routine, on-site monitoring for pH, temperature, dissolved oxygen, total residual chlorine and other pollutants that must be analyzed immediately upon sample collection, physical measurements, and operational performance monitoring specified in 567 IAC 63.3(4) are excluded from this requirement. *{567 IAC 63.1}*
5. **DUTY TO PROVIDE INFORMATION** - You must furnish to the director, within a reasonable time, any information the director may request to determine compliance with this permit or determine whether cause exists for amending, revoking and reissuing, or terminating this permit, in accordance with 567 IAC 64.3(11)“c”. You must also furnish to the director, upon request, copies of any records required to be kept by this permit. Where you become aware that you failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application, you must promptly submit such facts or information. Where you become aware that you failed to submit any relevant facts in the submission of in any report to the director, including records of operation, you shall promptly submit such facts or information. *{567 IAC 60.4(2)“a”, 567 IAC 63.7(6), 40 CFR 122.41(h)}*
6. **DUTY TO REAPPLY AND PERMIT CONTINUATION** - If you wish to continue to discharge after the expiration date of this permit, you must file a complete application for reissuance at least 180 days prior to the expiration date of this permit. If a timely and sufficient application is submitted, this permit will remain in effect until the department makes a final determination on the permit application. *{567 IAC 64.8(1), Iowa Code 17A.18}*
7. **DUTY TO COMPLY** - You must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act and is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Issuance of this permit does not relieve you of the responsibility to comply with all local, state and federal laws, ordinances, regulations or other legal requirements applying to the operation of your facility. *{567 IAC 64.7(4)“e”, 40 CFR 122.41(a)}*
8. **DUTY TO MITIGATE** - You shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. *{See 567 IAC 64.7(7)“i”, 40 CFR 122.41(d)}*
9. **PROPER OPERATION AND MAINTENANCE** - All facilities and control systems shall be operated as efficiently as possible and maintained in good working order. A sufficient number of staff, adequately trained and knowledgeable in the operation of your facility, shall be retained at all times. Adequate laboratory controls and appropriate quality assurance procedures shall be provided to maintain compliance with the conditions of this permit. *{567 IAC 64.7(7)“f”, 40 CFR 122.41(e)}*
10. **SIGNATORY REQUIREMENTS** - Applications, discharge monitoring reports, or other information submitted to the department in connection with this permit must be signed and certified in accordance with 567 IAC 64.3(8).
11. **TRANSFER OF TITLE OR OWNER ADDRESS CHANGE** - If title to your facility, or any part of it, is transferred, the new owner shall be subject to this permit. You are required to notify the new owner of the requirements of this permit in writing prior to any transfer of title. The department shall be notified in writing within 30 days of the occurrence. No transfer of the authorization to discharge from the facility represented by the permit shall take place prior to notifying the department of the transfer of title. Whenever the address of the owner is changed, the department shall be notified in writing within 30 days of the address change. *{567 IAC 64.14}*

STANDARD CONDITIONS

- 12. PERMIT MODIFICATION, SUSPENSION OR REVOCATION** - This permit may be amended, revoked and reissued, or terminated in whole or in part for cause including, but not limited to, those specified in 567 IAC 64.3(11). This permit may be modified due to conditions or information on which this permit is based, including any new standard the department may adopt that would change the required effluent limits. If a toxic pollutant is present in your discharge and more stringent standards for toxic pollutants are established under Section 307(a) of the Clean Water Act, this permit will be modified in accordance with the new standards. The filing of a request for a permit amendment, termination, or suspension, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. *{567 IAC 64.3(11) and 64.7(7)“g”, 40 CFR 122.62(a)(6)}*
- 13. TWENTY-FOUR HOUR REPORTING** - You shall report any noncompliance that may endanger human health or the environment, including, but not limited to, violations of maximum daily limits for any toxic pollutant (listed as toxic under 307(a)(1) of the Clean Water Act) or hazardous substance (as designated in 40 CFR Part 116 pursuant to 311 of the Act). Information shall be provided orally to the appropriate regional field office of the department within 24 hours from the time you become aware of the circumstances. A written submission that includes a description of noncompliance and its cause; the period of noncompliance including exact dates and times, whether the noncompliance has been corrected or the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent a reoccurrence of the noncompliance must be provided to the appropriate field office within 5 days of the occurrence. *{567 IAC 63.12}*
- 14. OTHER NONCOMPLIANCE** - You shall report all instances of noncompliance not reported under Condition #13 at the time discharge monitoring reports are submitted. The report shall contain the information listed in Condition #13. You shall give advance notice to the appropriate regional field office of the department of any planned activity which may result in noncompliance with permit requirements. Notice is required only when previous notice has not been given to any other section of the department. *{567 IAC 63.7(5) and 63.14}*
- 15. INSPECTION OF PREMISES, RECORDS, EQUIPMENT, METHODS AND DISCHARGES** - You are required to permit authorized personnel to:
- (a) Enter upon the premises where a regulated facility or activity is located or conducted or where records are kept under conditions of this permit;
 - (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
 - (c) Inspect, at reasonable times, any facilities, equipment, practices or operations regulated or required under this permit; and
 - (d) Sample or monitor, at reasonable times, to assure compliance or as otherwise authorized by the Clean Water Act.
- {40 CFR 122.41(i)}*
- 16. NOTICE OF CHANGED CONDITIONS** - You are required to notify the director of any changes in existing conditions or information on which this permit is based, including, but not limited to, the following:
- (a) If your facility is a publicly owned treatment works (POTW) or otherwise accepts waste for treatment from an indirect discharger or industrial contributor, you must notify the director if there is any substantial change in the volume or character of pollutants being introduced to the POTW by an indirect discharger or industrial contributor. See 567 IAC 64.3(5) for further requirements. *{40 CFR 122.42(b)}*
 - (b) If your facility has a manufacturing, commercial, mining, or silviculture discharge, you must notify the director as soon as you know or have reason to believe that any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in this permit. *{See 40 CFR 122.42(a)}*
 - (c) You must notify the director if you have begun or will begin to use or manufacture, as an intermediate or final product or byproduct, any toxic pollutant which was not reported in the permit application. *{40 CFR 122.21(g)(9)}*
- 17. PLANNED CHANGES** - You shall give notice to the appropriate regional field office of the department 30 days prior to any planned physical alterations or additions to the permitted facility. Facility expansions, production increases, or process modifications which result in new or increased discharges of pollutants must be reported by submission of a new permit application. If any modification of, addition to, or construction of a disposal system is to be made, you must first obtain a written permit from this department. In addition, no construction activity that will result in disturbance of one acre or more shall be initiated without first obtaining coverage under NPDES General Permit No. 2. Notice is required only when:
- (a) Notice has not been given to any other section of the department;
 - (b) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source as defined in 567 IAC 60.2;
 - (c) The alteration or addition results in a significant change in sludge use or disposal practices; or
 - (d) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants that are not subject to effluent limitations in the permit.
- {567 IAC 63.13 and 63.14, 567 IAC 64.2 and 64.7(7)“a”}*
- 18. FAILURE TO SUBMIT FEES** - This permit may be revoked, in whole or in part, if the appropriate permit fees are not submitted within thirty (30) days of the date of notification that such fees are due. *{567 IAC 64.16(1)}*

STANDARD CONDITIONS

- 19. BYPASSES** - “Bypass” means the diversion of waste streams from any portion of a treatment facility or collection system. A bypass does not include internal operational waste stream diversions that are part of the design of the treatment facility, maintenance diversions where redundancy is provided, diversions of wastewater from one point in a collection system to another point in a collection system, or wastewater backups into buildings that are caused in the building lateral or private sewer line.
- (a) Prohibitions.
 - i. Bypasses from any portion of a treatment facility or from a sanitary sewer collection system designed to carry only sewage are prohibited.
 - ii. The department may not assess a civil penalty against a permittee for a bypass if the permittee has complied with all of the following:
 - (1) The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
 - (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
 - (3) The permittee submitted notices as required by paragraph (d) of this section.
 - (c) The Director may approve an anticipated bypass after considering its adverse effects if the Director determines that it will meet the three conditions listed above and a request for bypass has been submitted to the appropriate regional field office of the department at least ten days prior to the expect event, in accordance with 567 IAC 63.6(2).
 - (d) Bypasses shall be reported in accordance with 567 IAC 63.6.
- {567 IAC 63.6}**
- 20. UPSETS** - “Upset” means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
- (a) *Effect of an upset.* An upset constitutes an affirmative defense to the assessment of a civil penalty for noncompliance with technology-based permit effluent limitations if the requirements of paragraph (c) of this condition are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.
 - (b) *Conditions necessary for demonstration of an upset.* A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed operating logs or other relevant evidence, that;
 - i. An upset occurred and that the permittee can identify the cause(s) of the upset;
 - ii. The permitted facility was at the time being properly operated;
 - iii. The permittee submitted notice of the upset to the department in accordance with 567 IAC 63.6(3); and
 - iv. The permittee complied with any remedial measures required by the department in accordance with 567 IAC 63.6(6)”b”.
 - (c) *Burden of Proof.* In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.
- {567 IAC 63.6}**
- 21. NEED TO HALT OR REDUCE ACTIVITY** - It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. **{567 IAC 64.7(7)“j”, 40 CFR 122.41(c)}**
- 22. PROPERTY RIGHTS** - This permit does not convey any property rights of any sort or any exclusive privilege. **{567 IAC 64.4(3)“b”, 40 CFR 122.41(g)}**
- 23. EFFECT OF A PERMIT** - Compliance with a permit during its term constitutes compliance, for purposes of enforcement, with Sections 301, 302, 306, 307, 318, 403 and 405(a)-(b) of the Clean Water Act, and equivalent limitations and standards set out in 567 IAC Chapters 61 and 62. **{567 IAC 64.4(3)“a”}**
- 24. SEVERABILITY** - The provisions of this permit are severable and if any provision or application of any provision to any circumstance is found to be invalid by this department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding.