

2025 ANNUAL GROUNDWATER QUALITY REPORT

**FOR THE
SOUTH DALLAS COUNTY SANITARY LANDFILL
25-SDP-01-75P
ADEL, IOWA**

**by:
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Certification

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Date: 2-2-2026

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Section 1.0 Background Information

1.1 Report Format

This report is prepared and submitted in accordance with Special Provision 3.h. of the Permit, dated January 13, 2026 (Doc #115687). Table 1 through Table 12 are attached to this report to meet the IDNR format requirements. Note that the Tables may not be referenced in consecutive order in this report, and some Tables are not required.

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 on October 16, 2014. Statistical evaluations herein are based on the most recent water quality data collected September 25, 2025.

1.4 Current Site Map

Figure 1 illustrates the current site features, monitoring well locations, groundwater diversion lines, leachate wells, and subsurface gas probe locations.

1.5 Site Status and Applicable Rules

Site Location

The landfill property spans about 42.5 acres in an abandoned clay quarry in the S 1/2, N 1/2 sec. 30, T. 79 N., R. 27 W., on the northwest edge of the City of Adel in Dallas County, Iowa. The facility operates under the Iowa Department of Natural Resources (IDNR) Permit Number 25-SDP-1-75P. Asbestos and petroleum-contaminated soils are also periodically accepted by the landfill.

The site is generally described as being developed in glacial till that is overlying shale bedrock.

Landfill Layout

Originally, there were two areas receiving waste: the southwest and northeast fill areas. Based on the Horizontal Landfill Expansion Development and Operational Plans, dated May 1998, the two areas were developed into one expanded landfill. Approximately 8 acres of the expansion were developed as Phase 1 (1999) and Phase 2 (2005) utilizing an approved Subtitle-D alternative clay-liner. Phase 3 was constructed during the summer/fall of 2011 with a composite FML-liner resulting in an additional 6.5 acres. Phase 4 was constructed during the fall of 2017 and consists of approximately 4.5 acres. Phase 5 was completed during the fall of 2021 and includes an additional 3.3 acres.

The southwestern and northeastern fill areas received final cover, but during the past several years, excavation and removal of the waste and cover in the southwestern area has been ongoing and a portion is now Phase 5. The northeastern area remains closed.

Applicable Rules

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

1.6 Summary of Hydrologic Monitoring System Plan (HMSP)

The HMSP includes upgradient monitoring points MW-2, MW-9, MW-17, MW-18, MW-19A, and MW-24. There are eight (8) downgradient monitoring points designated MW-10, MW-12, MW-15R, MW-20R, MW-4, MW-5, MW-21, and MW-22. Step-out Corrective Action Monitoring wells MW-25 and MW-26 are also part of the HMSP.

GWD-1 (groundwater diversion underdrain) was removed from the monitoring system when it was connected to the leachate collection system on August 15, 2023 (Doc #107672).

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 on Table 4. Historic water elevation data (1992-2025) is included in the Table 4A. A Water Table Contour Map (Figure 2) dated September 25, 2025 is included with this report and illustrates the water table surface and the effects of the topography.

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

Well Depth & Sedimentation

Well depth measurements were made on September 25, 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.

Well Recharge Rates & Chemistry

The most recent measured horizontal hydraulic conductivity testing results (1998-2003) for site monitoring wells is included on Table 4. Horizontal hydraulic conductivities ranged between 10^{-4} cm/sec and 10^{-6} cm/sec.

Field recovery data recorded on March 20, 2024 (also on Table 4) indicates that the monitoring wells recover to at least 90% recovery within 3 to 24 hours after purging. The exception is at MW-5 and MW-19A where more than 24 hours was required for the well 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 in Table 2. A comprehensive summary of sampling episodes from 2014 to present is included in Table 2A.

Field sampling information for the March 3, 2025, and September 25, 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 October 16, 2014, and September 25, 2025, is included on Table 9.

2.1 Current Detection Monitoring Activities

Background wells are MW-2, MW-9, MW-17, MW-18, MW-19A, and MW-24.

Downgradient monitoring points include MW-10, MW-12, MW-15R, MW-20R, MW-4, MW-5, MW-21, and MW-22.

MW-10, MW-12, MW-15R, and MW-20R remain in the detection monitoring system.

MW-4, MW-5, MW-21, and MW-22 are in the assessment monitoring system.

MW-25 and MW-26 are in the Corrective Action Monitoring System as step-out wells.

2.2 Current Assessment Monitoring Activities

MW-4, MW-5, MW-21, and MW-22 are in the assessment monitoring system. A five (5) year frequency for full Appendix II sampling was approved in Special Provision X.3.e. of the Permit, dated January 13, 2026 (Doc #115687).

Two (2) rounds of full Appendix II sampling are completed at MW-4, MW-21, and MW-22. Four (4) rounds of full Appendix II sampling are completed at MW-5. The next full Appendix II sample collection event is scheduled to occur at MW-4, MW-21, and MW-22 in 2026 (Table 2).

2.3 Current Corrective Action Activities

An Assessment of Corrective Measures (ACM) report was submitted to IDNR on June 29, 2011. Two step-out wells (MW-25 and MW-26) were installed in February 2016 to determine the extent of the contamination and have subsequently been monitored for those constituents that were required as part of the ACM.

A selected remedy was presented in the Assessment of Corrective Measures dated June 29, 2011. To date, the portions of the remedy that have been implemented include the installation of the step-out wells (MW-25 and MW-26) and installation of the electric fans on the gas vents along the north portion of the NE area.

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 South Dallas County Sanitary Landfill, First Semi-Annual Monitoring Event in 2025, dated April, 2025 is included in Appendix B.1. The Groundwater Statistics Report for the South Dallas County Sanitary Landfill, Second Semi-Annual Monitoring Event in 2025, dated October, 2025 is included in Appendix B.2.

The Analytical Reports for the laboratory testing on samples collected March 3, 2025 and September 25, 2025 are included in Appendix C.

QUALITY ASSURANCE/QUALITY CONTROL

A blind duplicate sample was collected at MW-12 during the March 3, 2025 sampling episode. A blind duplicate sample was collected at MW-5 during the September 25, 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 March 3, 2025 and September 25, 2025 were within the limits established and indicate that the data quality is acceptable without restriction.

BACKGROUND DATA VALIDATION

On July 10, 2014 an unnumbered Permit Amendment and Memo was issued by the IDNR regarding turbidity (Doc # 80694). A TSS and Field Turbidity Evaluation Report was prepared and submitted on December 14, 2017 (Doc# 91108) and was approved by IDNR on December 27, 2017 (Doc #91169). 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 October 16, 2014 sampling episode.

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

SITE SPECIFIC GWPS

Review of the information included on Table 5 indicates that the prediction limit for arsenic (167.0 ug/L), cobalt (37.0016 ug/L), and thallium (2.3 ug/L) calculated from the background data exceeds the published IAC 567, Chapter 137 Statewide Standards (10 ug/L, 2.1 ug/L, and 2.0 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 (167.0 ug/L), cobalt (37.0016 ug/L), and thallium (2.3 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.

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* prediction limit in 2025. There are *no verified prediction limit exceedances* recorded in the current *detection monitoring* system wells.

Prediction limit exceedances are again recorded at wells that are currently included in the *assessment monitoring* system (MW-4, MW-5, MW-21, and MW-22). 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 or the corrective action monitoring system is not an SSI, instead the exceedance is further evaluated by Confidence Interval Statistics.

Exceedance of the Prediction Limits for the current year is summarized on Table 1 and Table 6. A running summary of recorded Prediction Limit exceedances by year since 2020 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 Special Provision X.3.e. of the Permit, dated January 13, 2026 (Doc #115687).

The full Appendix II (assessment) monitoring is current. Two (2) rounds of full Appendix II sampling are completed at MW-4, MW-21, and MW-22. Four (4) rounds of full Appendix II sampling are completed at MW-5.

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 dichlorodifluoromethane and bis(2-ethylhexyl) phthalate.

The summary of assessment monitoring detections October 16, 2014 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, dichlorodifluoromethane and bis (2-ethylhexyl) phthalate will continue to be monitored as appropriate to findings during assessment monitoring episodes at assessment monitoring wells (see 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 the horizontal and vertical directions and required completion of an Assessment of Corrective Measures (ACM).

The SSL Evaluation is based on data collected since October 16, 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. *There are no exceedances recorded.* Any exceedance would be highlighted yellow on Table 7. Note that Table 8, Table 10, and Table 11 are not required for this report.

ASSESSMENT OF CORRECTIVE MEASURES (ACM)

Based on water quality findings prior to changes in sampling methods (October 16, 2014) an Assessment of Corrective Measures (ACM) report was submitted to IDNR on June 29, 2011. Two step-out wells (MW-25 and MW-26) were installed in February 2016 to determine the extent of the contamination and have subsequently been monitored as Corrective Action Monitoring Wells for those constituents that were required as part of the 2011 ACM.

The selected remedy was presented in the Assessment of Corrective Measures dated June 29, 2011. To date, the portions of the remedy that have been implemented include the installation of the step-out wells (MW-25 and MW-26) and installation of the electric fans on the gas vents along the north portion of the NE area.

CORRECTIVE MEASURES MONITORING

On-going semi-annual monitoring at MW-25 and MW-26 includes arsenic, barium, and vinyl chloride.

Results are tabulated below.

Review of the data indicates that vinyl chloride has not been detected to date at either MW-25 or MW-26 and is consistently reported as below the MRL of 1.0 ug/L.

Review of the results indicates that arsenic and barium detections are below the GWPS during each monitoring event, with the exception of arsenic at MW-26 on August 30, 2022. The reported result for arsenic at MW-26 on August 30, 2022 (203 ug/L) exceeds the GWPS (167.0 ug/L). Review of the field data on August 30, 2022 indicates that the sample was visibly orange and had a reported turbidity that exceeded the range of the meter (>1000.0 NTU). The elevated arsenic concentration on August 30, 2022 is attributed to the oxidized nature of the water existing in the monitoring well. Arsenic is below the GWPS at MW-25 and MW-26 2016 to 2025, except for the single result at MW-26 on August 30, 2022. MW-26 was redeveloped on March 7, 2023, and the issue seems to have resolved.

Monitoring Well	Date	Compound	Result (ug/L)	GWPS (ug/L)
MW-25	4/4/2016	Arsenic	<4.0	167.0
MW-25	9/20/2016	Arsenic	4.2	167.0
MW-25	4/24/2017	Arsenic	<4.0	167.0
MW-25	10/9/2017	Arsenic	4.0	167.0
MW-25	3/21/2018	Arsenic	<4.0	167.0
MW-25	9/7/2018	Arsenic	<4.0	167.0
MW-25	4/2/2019	Arsenic	<4.0	167.0
MW-25	9/18/2019	Arsenic	NT	167.0
MW-25	3/25/2020	Arsenic	<4.0	167.0
MW-25	9/15/2020	Arsenic	<4.0	167.0
MW-25	3/8/2021	Arsenic	<4.0	167.0
MW-25	9/28/2021	Arsenic	<4.0	167.0
MW-25	3/8/2022	Arsenic	<4.0	167.0
MW-25	8/30/2022	Arsenic	<4.0	167.0
MW-25	3/7/2023	Arsenic	<4.0	167.0
MW-25	9/11/2023	Arsenic	<4.0	167.0
MW-25	3/20/2024	Arsenic	27.4	167.0
MW-25	9/12/2024	Arsenic	4.7	167.0
MW-25	3/3/2025	Arsenic	<4.0	167.0
MW-25	9/25/2025	Arsenic	5.6	167.0

Yellow = Exceeds GWPS

Monitoring Well	Date	Compound	Result (ug/L)	GWPS (ug/L)
MW-25	4/4/2016	Barium	94.9	4,179.77
MW-25	9/20/2016	Barium	105.0	4,179.77
MW-25	4/24/2017	Barium	109.0	4,179.77
MW-25	10/9/2017	Barium	98.4	4,179.77
MW-25	3/21/2018	Barium	85.3	4,179.77
MW-25	9/7/2018	Barium	150.0	4,179.77
MW-25	4/2/2019	Barium	102.0	4,179.77
MW-25	9/18/2019	Barium	NT	4,179.77
MW-25	3/25/2020	Barium	84.5	4,179.77
MW-25	9/15/2020	Barium	102.0	4,179.77
MW-25	3/8/2021	Barium	91.4	4,179.77
MW-25	9/28/2021	Barium	107.0	4,179.77
MW-25	3/8/2022	Barium	71.4	4,179.77
MW-25	8/30/2022	Barium	113.0	4,179.77
MW-25	3/7/2023	Barium	105.0	2,000.00
MW-25	9/11/2023	Barium	118.0	2,000.00
MW-25	3/20/2024	Barium	515.0	2,000.00
MW-25	9/12/2024	Barium	131.0	2,000.00
MW-25	3/3/2025	Barium	85.8	2,000.00
MW-25	9/25/2025	Barium	161.0	2,000.00

Yellow = Exceeds GWPS

Monitoring Well	Date	Compound	Result (ug/L)	GWPS (ug/L)
MW-25	4/4/2016	Vinyl Chloride	<1	2.0
MW-25	9/20/2016	Vinyl Chloride	<1	2.0
MW-25	4/24/2017	Vinyl Chloride	<1	2.0
MW-25	10/9/2017	Vinyl Chloride	<1	2.0
MW-25	3/21/2018	Vinyl Chloride	<1	2.0
MW-25	9/7/2018	Vinyl Chloride	<1	2.0
MW-25	4/2/2019	Vinyl Chloride	<1	2.0
MW-25	9/18/2019	Vinyl Chloride	NT	2.0
MW-25	3/25/2020	Vinyl Chloride	<1	2.0
MW-25	9/15/2020	Vinyl Chloride	<1	2.0
MW-25	3/8/2021	Vinyl Chloride	<1	2.0
MW-25	9/28/2021	Vinyl Chloride	<1	2.0
MW-25	3/8/2022	Vinyl Chloride	<1	2.0
MW-25	8/30/2022	Vinyl Chloride	<1	2.0
MW-25	3/7/2023	Vinyl Chloride	<1	2.0
MW-25	9/11/2023	Vinyl Chloride	<1	2.0
MW-25	3/20/2024	Vinyl Chloride	<1	2.0
MW-25	9/12/2024	Vinyl Chloride	<1	2.0
MW-25	3/3/2025	Vinyl Chloride	<1	2.0
MW-25	9/25/2025	Vinyl Chloride	<1	2.0

Yellow = Exceeds GWPS

Monitoring Well	Date	Compound	Result (ug/L)	GWPS (ug/L)
MW-26	4/4/2016	Arsenic	17.7	167.0
MW-26	9/20/2016	Arsenic	19.7	167.0
MW-26	4/24/2017	Arsenic	19.8	167.0
MW-26	10/9/2017	Arsenic	26.2	167.0
MW-26	3/21/2018	Arsenic	31.6	167.0
MW-26	9/7/2018	Arsenic	72.6	167.0
MW-26	4/2/2019	Arsenic	74.9	167.0
MW-26	9/18/2019	Arsenic	44.2	167.0
MW-26	3/25/2020	Arsenic	55.0	167.0
MW-26	9/15/2020	Arsenic	59.0	167.0
MW-26	3/8/2021	Arsenic	17.0	167.0
MW-26	9/28/2021	Arsenic	81.9	167.0
MW-26	3/8/2022	Arsenic	7.2	167.0
MW-26	8/30/2022	Arsenic	203.0	167.0
MW-26	3/7/2023	Arsenic	23.8	167.0
MW-26	9/11/2023	Arsenic	101.0	167.0
MW-26	3/20/2024	Arsenic	<4.0	167.0
MW-26	9/12/2024	Arsenic	14.3	167.0
MW-26	3/3/2025	Arsenic	21.2	167.0
MW-26	9/25/2025	Arsenic	12.9	167.0

Yellow = Exceeds GWPS

Monitoring Well	Date	Compound	Result (ug/L)	GWPS (ug/L)
MW-26	4/4/2016	Barium	581	4,179.77
MW-26	9/20/2016	Barium	592	4,179.77
MW-26	4/24/2017	Barium	552	4,179.77
MW-26	10/9/2017	Barium	706	4,179.77
MW-26	3/21/2018	Barium	588	4,179.77
MW-26	9/7/2018	Barium	1170	4,179.77
MW-26	4/2/2019	Barium	986	4,179.77
MW-26	9/18/2019	Barium	879	4,179.77
MW-26	3/25/2020	Barium	692	4,179.77
MW-26	9/15/2020	Barium	1130	4,179.77
MW-26	3/8/2021	Barium	428	4,179.77
MW-26	9/28/2021	Barium	1250	4,179.77
MW-26	3/8/2022	Barium	232	4,179.77
MW-26	8/30/2022	Barium	1620	4,179.77
MW-26	3/7/2023	Barium	341	2,000.00
MW-26	9/11/2023	Barium	1,250	2,000.00
MW-26	3/20/2024	Barium	94.1	2,000.00
MW-26	9/12/2024	Barium	420.0	2,000.00
MW-26	3/3/2025	Barium	517.0	2,000.00
MW-26	9/25/2025	Barium	357.0	2,000.00

Yellow = Exceeds GWPS

Monitoring Well	Date	Compound	Result (ug/L)	GWPS (ug/L)
MW-26	4/4/2016	Vinyl Chloride	<1	2.0
MW-26	9/20/2016	Vinyl Chloride	<1	2.0
MW-26	4/24/2017	Vinyl Chloride	<1	2.0
MW-26	10/9/2017	Vinyl Chloride	<1	2.0
MW-26	3/21/2018	Vinyl Chloride	<1	2.0
MW-26	9/7/2018	Vinyl Chloride	<1	2.0
MW-26	4/2/2019	Vinyl Chloride	<1	2.0
MW-26	9/18/2019	Vinyl Chloride	<1	2.0
MW-26	3/25/2020	Vinyl Chloride	<1	2.0
MW-26	9/15/2020	Vinyl Chloride	<1	2.0
MW-26	3/8/2021	Vinyl Chloride	<1	2.0
MW-26	9/28/2021	Vinyl Chloride	<1	2.0
MW-26	3/8/2022	Vinyl Chloride	<1	2.0
MW-26	8/30/2022	Vinyl Chloride	<1	2.0
MW-26	3/7/2023	Vinyl Chloride	<1	2.0
MW-26	9/11/2023	Vinyl Chloride	<1	2.0
MW-26	3/20/2024	Vinyl Chloride	<1	2.0
MW-26	9/12/2024	Vinyl Chloride	<1	2.0
MW-26	3/3/2025	Vinyl Chloride	<1	2.0
MW-26	9/25/2025	Vinyl Chloride	<1	2.0

Yellow = Exceeds GWPS

Section 4.0 Leachate Collection System Performance Evaluation

The groundwater diversion system was connected to the leachate conveyance system. This work was documented in the Construction Certification for the Groundwater Diversion Piping Modification dated September 11, 2023 (Doc #107672) and approved in the October 10, 2023 SDP Permit revision.

Leachate Treatment and Disposal

Between January 1, 2025, and December 31, 2025, approximately 8,663 gallons of leachate were pumped to the Adel Wastewater Treatment Facility for treatment and disposal. A summary of the leachate volume pumped by month is included in Appendix H.1. A copy of the current Leachate Treatment Agreement with the City of Adel with an effective date of January 1, 2021 is included in Appendix H.2. Leachate laboratory testing results in accordance with the treatment agreement are included in Appendix H.3.

A Permit Amendment Request to Recirculate Leachate was submitted on October 5, 2012 (Doc #74384) and approved on May 17, 2013. The approval covers leachate recirculation on the Subtitle D composite lined disposal areas (Phases 3, 4, and 5).

Leachate is recirculated either on the surface utilizing a 2,000 gallon tank with spray arm or directly into the waste mass utilizing a buried perforated pipe.

A leachate recirculation line was installed in July, 2022 to recirculate leachate by introducing it directly into the waste mass over the Subtitle D composite liner in Phase 3. The leachate recirculation piping is 2-inch diameter, HDPE SDR 7. The last 300' of the piping was perforated with a set of ¼" diameter holes at 15' horizontal spacing (20 sets of perforations total). The existing leachate pump is being used for recirculation - valving was installed at the existing leachate pump station to allow leachate to be directed either to the leachate force main for conveyance to the City of Adel Sanitary Sewer System or to the leachate recirculation piping. A Construction Certification Report for the piping installed during July, 2022 was submitted to IDNR on July 19, 2022 (Doc #103652).

The perforated recirculation piping was extended into Phase 4 during November, 2022. A Construction Certification Report for the piping installed during November, 2022 was submitted to IDNR on November 11, 2022 (Doc #104558).

Based on the data in Appendix H.4, approximately 1,398,400 gallons of leachate were recirculated using the tank and the buried pipe in 2025.

Leachate Level Monitoring – Closed Landfilling Areas

The permit requires quarterly monitoring of the leachate piezometers in the unlined areas at LW-1, LW-2, LW-3, LW-4, LW-5, LW-6, LPZ-1, and LPZ-3.

Leachate level measurement data for the piezometers in the closed landfilling areas (NE Area and SW Area) is included in Appendix H.5. The data for the leachate wells in the Closed Landfilling Areas shows that leachate elevations have remained relatively consistent in 2025. The interpretation is made that the LCS (illustrated on the Figure in Appendix G) is effective in controlling the leachate head in the Closed Landfill Areas. Quarterly measurements of the leachate piezometers in the Closed Landfilling Areas will continue in 2026.

Leachate Level Monitoring – RCRA Subtitle D Lined Areas

Monitoring of the leachate piezometers in the lined Subtitle D cells is conducted monthly. LPZ-12 is the piezometer measuring leachate head on the liner in the Subtitle D alternative lined Phases 1 and 2. LPZ-13 is the piezometer measuring leachate head on the Subtitle D composite lined Phases 3, 4, and 5. The table in Appendix H.5 provides the results of the 2025 monitoring events and shows that all measurements recorded less than 12” of leachate thickness.

Based on the leachate head data, the leachate collection system appears to be operating as designed. No changes are recommended.

Separation of the base of solid waste and the groundwater table is evaluated through observation of groundwater elevation measurements collected from the groundwater piezometer (GPZ-1) located in the lowest end of the Phase 1-5 expansion.

Groundwater head measurements are required semiannually in accordance with the SDP Permit. Groundwater head measurements in 2025 are summarized as:

Date/Location	Phase 3 (GWPZ-1)
1/13/2025	<1”
2/10/2025	<1”
3/24/2025	<1”
4/25/2025	<1”
5/16/2025	<1”
6/23/2025	<1”
7/14/2025	<1”
8/4/2025	<1”
9/15/2025	<1”
10/6/2025	<1”
11/10/2025	<1”
12/1/2025	<1”

Based on the groundwater head data presented above separation is maintained between the base of solid waste and the groundwater surface. No changes are recommended.

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 lines were cleaned in 2/22/2024. The leachate lines should be cleaned again in 2027 in accordance with regulations.

Performance Evaluation

Staff may extend the leachate recirculation piping in 2026. No other modifications to the leachate collection system are recommended for 2026.

Section 5.0 Gas Monitoring

Explosive gas monitoring per 113.9(2) and the approved Gas Monitoring System Plan (GMSP) in Special Provision X.5. of the SDP Permit dated January 13, 2026 (Doc #115687) was conducted quarterly during the last reporting period (2025) except for MW-4, MW-5, MW-22, MW-25, and MW-26 in June 2025. Measurement at these points was inadvertently omitted in the 2nd Quarter of 2025. The monitoring includes both indoor ambient air monitoring in buildings and subsurface monitoring in dedicated gas probes, gas vents, and monitoring wells.

Monitoring points currently include five (5) buildings, ten (10) subsurface gas probes, four (4) gas vents, and five (5) monitoring wells. Figure 1 illustrates the monitoring points. A brief description of each monitoring point is below:

- GP-1 is in southwest corner of the site near MW-19A.
- GP-2 is located near MW-17 in the northwest corner of the site.
- GP-3 is located on the north side of the site near MW-22 and was damaged in 2023. The GP was repaired by staff on February 21, 2024.
- GP-3R is a step-out probe to GP-3 and was installed during spring 2011 approximately 50 ft. north and part way down the slope that drops to the creek. Since its installation, GP-3R has never had any landfill gas detected.
- GP-4 is located on the east side of the landfill near MW-21. Following periodical detections of methane in GP-4, another probe, GP-4R was installed during September 2011 at the east property line, about 50 ft southeast of GP-4. Since its installation, GP-4R has never had any landfill gas detected.
- GP-5 is the ground water wet well on the north side of the site. In January 2012, methane gas was detected in GP-5. At IDNR's suggestion, the solid manhole cover was replaced with a grated cover. This action corrected the methane gas problem at this location and no landfill gas detections have occurred since.
- GP-6 was placed in the leachate force main trench that runs from the leachate tanks across the creek on the south to a City of Adel lift station east of the landfill. After review

of the deposited waste's proximity to GP-6, a step-out gas probe (GP-6R) was installed approximately 100 ft. east of GP-6 and across the leachate force main. Since its installation, GP-6R has never had any landfill gas detected.

- GP-7 was installed north of MW-16 (which was abandoned in 2021) along the north creek.
- GV-1, GV-2, GV-4, and GV-5 are vents for the gas venting system discussed below.
- MW-4, MW-5, MW-22, MW-25, and MW-26 are also monitored in accordance with the GMSP.
- In addition, all site structures are monitored. None of the structures have ever had a landfill gas detection.

Gas Venting System

The gas venting system was installed during October 2009. The system consists of excavated trenches approximately 10-12 ft in depth with a width of approximately 24 inches. The trench depth was intentionally kept above the water table to avoid exposing the groundwater to any methane gas. Approximately one foot of tire chips was placed in the bottom of the trench. A 4-inch perforated plastic drainage pipe with filter "sock" was laid in the trench and an additional foot of tire chips placed on top. The pipe was looped to the surface to vent. The trench was backfilled with dirt. The trenches and vents were surveyed during the fall of 2011.

Wind-driven turbines were installed on some of the vents during 2010. During June 2011, some of the vents were equipped with solar operated fans. Large wind-driven turbines were also installed on the leachate recovery wells.

Construction certification documents for the gas collection system were developed and submitted to IDNR on March 13, 2012 (Doc #69304). These documents were approved in Permit Amendment #9 dated October 4, 2012.

During July and August of 2013, explosion-proof electric fans were installed on gas vents GV-1, GV-2, GV-4, and GV-5 to provide a positive draw on the gas venting system 24 hours per day.

Results

Gas is periodically detected in GP-3, MW-4, and MW-22.

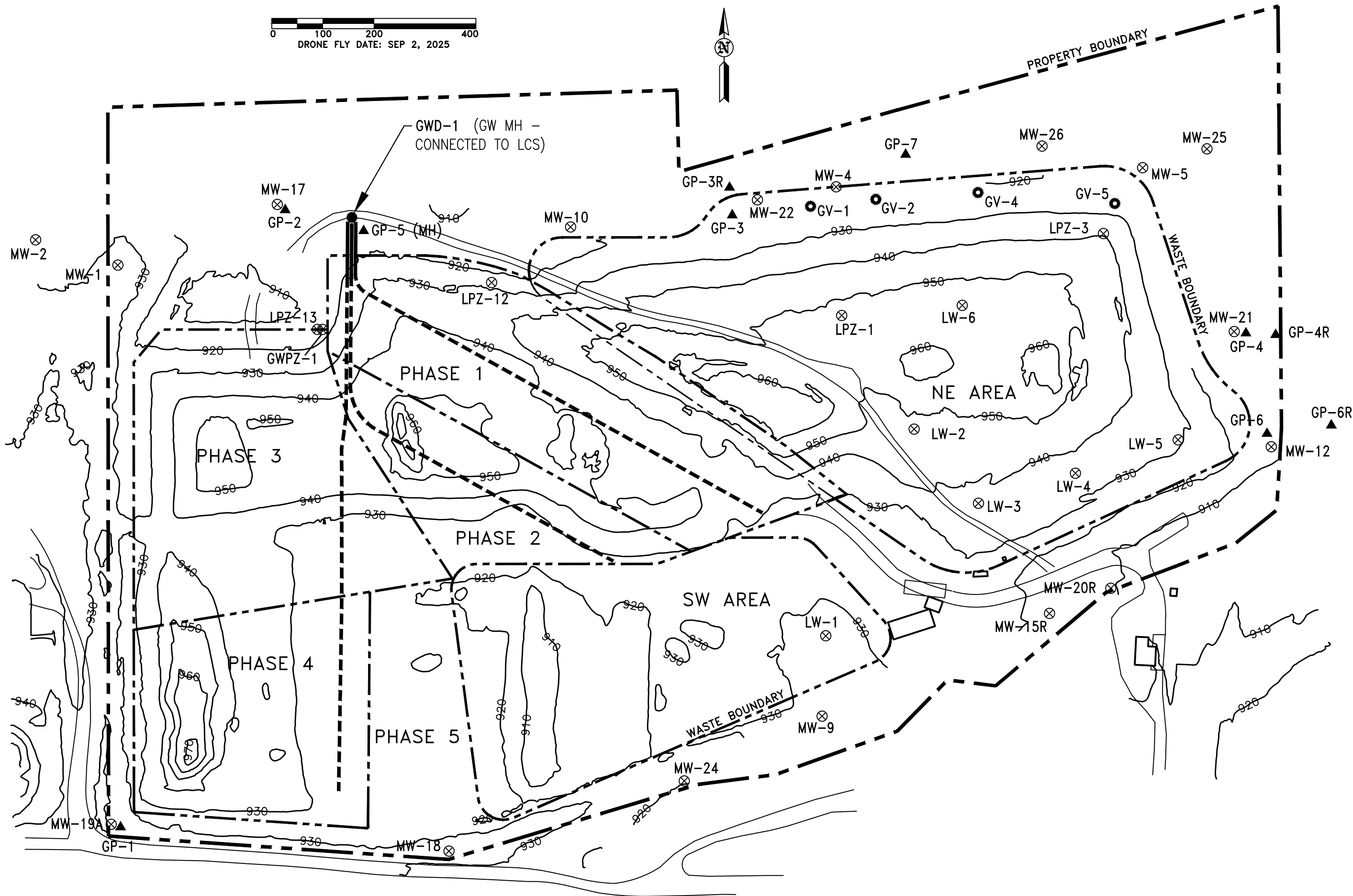
Explosive gas concentrations (%LEL) were undetected *or* were below action levels during the monitoring episodes. A summary table of gas monitoring is included as Table 12.

Section 6.0 Recommendations

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

It is recommended that the prediction limits for arsenic (167.0 ug/L), cobalt (37.0016 ug/L), and thallium (2.3 ug/L) continue to 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.

Figures



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SITE PLAN

SOUTH DALLAS COUNTY SANITARY LANDFILL

ADEL, IOWA

FIGURE: 1

REVISION	NO.	DATE
DRAWN	6045	12-18-25
DRA		

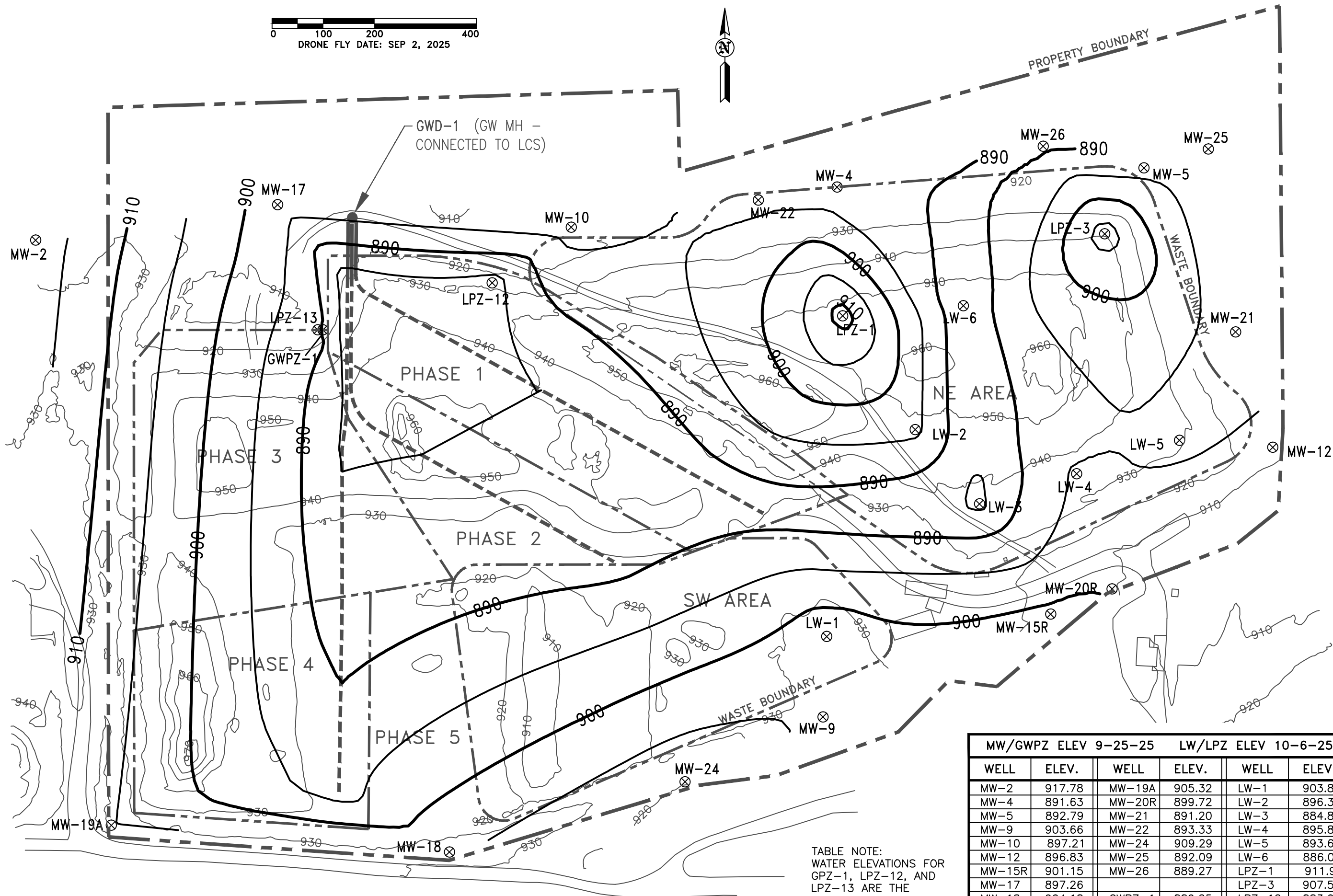


TABLE NOTE:
WATER ELEVATIONS FOR
GPZ-1, LPZ-12, AND
LPZ-13 ARE THE
BOTTOMS OF DRY WELLS.

MW/GWPZ ELEV 9-25-25			LW/LPZ ELEV 10-6-25				
WELL	ELEV.		WELL	ELEV.		WELL	ELEV.
MW-2	917.78		MW-19A	905.32		LW-1	903.86
MW-4	891.63		MW-20R	899.72		LW-2	896.32
MW-5	892.79		MW-21	891.20		LW-3	884.83
MW-9	903.66		MW-22	893.33		LW-4	895.85
MW-10	897.21		MW-24	909.29		LW-5	893.63
MW-12	896.83		MW-25	892.09		LW-6	886.09
MW-15R	901.15		MW-26	889.27		LPZ-1	911.91
MW-17	897.26					LPZ-3	907.55
MW-18	904.18		GWPZ-1	889.25		LPZ-12	883.00
						LPZ-13	891.77

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FIGURE: 2

GROUNDWATER CONTOURS

SOUTH DALLAS COUNTY SANITARY LANDFILL

ADEL, IOWA

REVISION

NO.

DATE

DRAWN

PROJECT NO.

6045

DRA

12-18-25

HLW

HLW Engineering Group

Tables (in IDNR Format)

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Table 12 – Gas Monitoring Summary

Table 1 – Monitoring Program Summary

Table 1
Monitoring Program Summary
Annual Water Quality Report
South Dallas County Sanitary Landfill
Permit No. 25-SDP-01-75P

[illegible]

Table 2 – Monitoring Program Implementation Schedule

Table 2
Monitoring Program Implementation Schedule
Annual Water Quality Report
South Dallas County Sanitary Landfill
Permit No. 25-SDP-01-75P

Monitoring Well	Monitoring Program	Recent Sampling Dates and Constituents	Upcoming Sampling Dates and Constituents		Full Appendix II Sample Dates	
			March, 2026	September, 2026	Previously Collected	Next Event
MW-2	Background		Appendix I	Appendix I		N/A
MW-9	Background		Appendix I	Appendix I		N/A
MW-17	Background		Appendix I	Appendix I		N/A
MW-18	Background		Appendix I	Appendix I	4/4/2016	N/A
MW-19A	Background		Appendix I	Appendix I		N/A
MW-24	Background		Appendix I	Appendix I	4/4/2016	N/A
MW-10	Detection		Appendix I	Appendix I		N/A
MW-12	Detection	See Table 2A	Appendix I	Appendix I	9/20/2016	N/A
MW-15R	Detection		Appendix I	Appendix I	4/4/2016	N/A
MW-20R	Detection		Appendix I	Appendix I	4/4/2016	N/A
MW-4	Assessment		Appendix I	Appendix II	9/20/2016; 9/28/2021	2026
MW-5	Assessment		Appendix I	Appendix I	9/20/2016; 9/18/2019; 3/25/2020, 9/12/2024	2029
MW-21	Assessment		Appendix II	Appendix I	4/4/2016; 3/8/2021	2026
MW-22	Assessment		Appendix II	Appendix I	4/4/2016; 3/8/2021	2026
MW-25	Step-Out		vinyl chloride + As + Ba	vinyl chloride + As + Ba		N/A
MW-26	Step-Out		vinyl chloride + As + Ba	vinyl chloride + As + Ba		N/A
Duplicate	QA/QC		Appendix I	Appendix I		N/A

⁽¹⁾ = add bis(2-ethylhexyl)phthalate

Table 2A – Itemized Summary of Hydrologic Monitoring (2018-present)

Table 2A -- Itemized Summary of Hydrologic Monitoring (2018-present)

WELL	10/15/2014	4/14/2015	10/1/2015	4/4/2016
MW-2 (b)	Dry	Appendix I	Appendix I	Appendix I
MW-9 (b)	Appendix I	Appendix I	Appendix I	Appendix I
MW-17 (b)	Appendix I	Appendix I	Appendix I	Appendix I
MW-18 (b)	Appendix I	Appendix I	Appendix I	Appendix II
MW-19A (b)	Appendix I	Appendix I	Appendix I	Appendix I
MW-24 (b)	Appendix I	Appendix I	Appendix I	Appendix II
MW-10	Appendix I	Appendix I	Appendix I	Appendix I
MW-12	Appendix I	Appendix I	Appendix I	Appendix I
MW-15R	Appendix I	Appendix I	Appendix I	Appendix II
MW-20R	Appendix I	Appendix I	Appendix I	Appendix II
MW-25				As, Ba, V.C.
MW-26				As, Ba, V.C.
GWD-1	Appendix I	Appendix I	Appendix I	Appendix I
MW-4	Appendix I	Appendix I	Appendix I	Appendix I
MW-5	Appendix I	Appendix I	Appendix I	Appendix I
MW-21	Appendix I	Appendix I	Appendix I	Appendix II
MW-22	Appendix I	Appendix I	Appendix I	Appendix II
Duplicate	Appendix I	Appendix I	Appendix I	Appendix I

(1) Appendix I plus dichlorodifluoromethane
(2) Appendix I plus bis(2ethylhexyl)phthalate

(R) = Resample
V.C. = vinyl chloride

WELL	6/14/2016	9/20/2016	11/8/2016	4/24/2017	10/9/2017
MW-2 (b)		Dry		Appendix I	Dry
MW-9 (b)		Appendix I		Appendix I	Appendix I
MW-17 (b)		Appendix I		Appendix I	Appendix I
MW-18 (b)		Appendix I	R- acetone	Appendix I	Appendix I
MW-19A (b)		Appendix I		Appendix I	Appendix I
MW-24 (b)		Appendix I		Appendix I	Appendix I
MW-10		Dry		Appendix I	Dry
MW-12		Appendix II	R- Bis	Appendix I	Appendix I
MW-15R		Appendix I		Appendix I	Appendix I
MW-20R		Appendix I		Appendix I	Appendix I
MW-25		As, Ba, V.C.		Appendix I	As, Ba, V.C.
MW-26		As, Ba, V.C.	R - As	Appendix I	As, Ba, V.C.
GWD-1	R- As	Appendix I	R- As	Appendix I	Appendix I
MW-4		Appendix II	R- Bis	Appendix I	Appendix I
MW-5		Appendix II	R- Bis	Appendix I	Appendix I
MW-21		Appendix I		Appendix I	Appendix I
MW-22		Appendix I		Appendix I	Appendix I
Duplicate		Appendix I		Appendix I	Appendix I

(1) Appendix I plus dichlorodifluoromethane
(2) Appendix I plus bis(2ethylhexyl)phthalate
Bis = bis(2-ethylhexyl)phthalate

(R) = Resample
V.C. = vinyl chloride

WELL	3/21/2018	6/11/2018	9/7/2018	4/2/2019	6/5/2019
MW-2 (b)	Dry		Dry	Appendix I	
MW-9 (b)	Appendix I	R - Cu	Appendix I	Appendix I	
MW-17 (b)	Appendix I		Appendix I	Appendix I	
MW-18 (b)	Appendix I		Appendix I	Appendix I	
MW-19A (b)	Appendix I		Appendix I	Appendix I	
MW-24 (b)	Appendix I		Appendix I	Appendix I	
MW-10	Appendix I		Dry	Appendix I	
MW-12	Appendix I		Appendix I	Appendix I	
MW-15R	Appendix I		Appendix I	Appendix I	
MW-20R	Appendix I		Appendix I	Appendix I	
MW-25	As, Ba, V.C.		As, Ba, V.C.	As, Ba, V.C.	
MW-26	As, Ba, V.C.		As, Ba, V.C.	As, Ba, V.C.	
GWD-1	Appendix I		R- As, Ba	Appendix I	Appendix I
MW-4	Appendix I		Appendix I	Appendix I	
MW-5	Appendix I		Appendix I	Appendix I	R - Ni, chloroethane
MW-21	Appendix I		Appendix I	Appendix I	
MW-22	Appendix I		Appendix I	Appendix I	
Duplicate	Appendix I		Appendix I	Appendix I	

- (1) Appendix I plus dichlorodifluoromethane
(2) Appendix I plus bis(2ethylhexyl)phthalate

(R) = Resample
V.C. = vinyl chloride

WELL	9/18/2019	3/25/2020	9/15/2020	12/2/2020	3/8/2021
MW-2 (b)	Dry	Appendix I	Dry		Dry
MW-9 (b)	Appendix I	Appendix I	Appendix I		Appendix I
MW-17 (b)	Appendix I	Appendix I	Appendix I		Appendix I
MW-18 (b)	Appendix I	Appendix I	Appendix I		Appendix I
MW-19A (b)	Appendix I	Appendix I	Appendix I	R – Ni	Appendix I
MW-24 (b)	Appendix I	Appendix I	Appendix I		Appendix I
MW-10	Dry	Appendix I	Dry		Dry
MW-12	Appendix I	Appendix I	Appendix I		Appendix I
MW-15R	Appendix I	Appendix I	Appendix I		Appendix I
MW-20R	Appendix I	Appendix I	Appendix I		Appendix I
MW-25	No access	As, Ba, V.C.	As, Ba, V.C.		As, Ba, V.C.
MW-26	As, Ba, V.C.	As, Ba, V.C.	As, Ba, V.C.		As, Ba, V.C.
GWD-1	Appendix I	Appendix I	Appendix I		Appendix I
MW-4	Appendix I	Appendix I	Appendix I		Appendix I
MW-5	Appendix II	Appendix II	Appendix I		Appendix I
MW-21	Appendix I	Appendix I	Appendix I		Appendix II
MW-22	Appendix I	Appendix I	Appendix I		Appendix II
Duplicate	Appendix I	Appendix I	Appendix I		Appendix I

- (1) Appendix I plus dichlorodifluoromethane
(2) Appendix I plus bis(2ethylhexyl)phthalate

(R) = Resample
V.C. = vinyl chloride

WELL	5/11/2021	9/28/2021	12/3/2021	3/8/2022	8/30/2022
MW-2 (b)		Dry		Dry	Dry
MW-9 (b)		Appendix I		Appendix I	Appendix I
MW-17 (b)		Appendix I		Appendix I	Appendix I
MW-18 (b)		Appendix I		Appendix I	Appendix I
MW-19A (b)		Appendix I		Appendix I	Appendix I
MW-24 (b)	R - acetone	Appendix I		Appendix I	Appendix I
MW-10		Dry		Dry	Dry
MW-12		Appendix I		Appendix I	Appendix I
MW-15R		Appendix I		Appendix I	Appendix I
MW-20R		Appendix I		Appendix I	Appendix I
MW-25		As, Ba, V.C.		As, Ba, V.C.	As, Ba, V.C.
MW-26		As, Ba, V.C.		As, Ba, V.C.	As, Ba, V.C.
GWD-1		Appendix I		Appendix I	Appendix I
MW-4		Appendix II	R-Cu	Appendix I	Appendix I
MW-5		Appendix I		Appendix I	Appendix I
MW-21		Appendix I		Appendix I	Appendix I
MW-22		Dry		Appendix I	Appendix I
Duplicate		Appendix I		Appendix I	Appendix I

WELL	3/7/2023	5/9/2023	6/7/2023	9/11/2023	
MW-2 (b)	Dry			Dry	
MW-9 (b)	Appendix I			Appendix I	
MW-17 (b)	Appendix I			Appendix I	
MW-18 (b)	Appendix I			Appendix I	
MW-19A (b)	Appendix I			Appendix I	
MW-24 (b)	Appendix I			Appendix I	
MW-10	Dry			Dry	
MW-12	Appendix I			Appendix I	
MW-15R	Appendix I			Appendix I	
MW-20R	Appendix I			Appendix I	
MW-25	As, Ba, V.C.			As, Ba, V.C.	
MW-26	As, Ba, V.C.			As, Ba, V.C.	
GWD-1	Appendix I	V.C.	V.C.	<i>Connected to LCS</i>	
MW-4	Appendix I			Appendix I	
MW-5	Appendix I			Appendix I	
MW-21	Appendix I			Appendix I	
MW-22	Appendix I			Dry	
Duplicate	Appendix I			Appendix I	

(1) Appendix I plus dichlorodifluoromethane
(2) Appendix I plus bis(2ethylhexyl)phthalate

(R) = Resample
V.C. = vinyl chloride

WELL	3/20/2024	5/9/2024	9/12/2024	3/3/2025	9/25/2025	12/15/2025
MW-2 (b)	Dry		Dry	Dry	Dry	
MW-9 (b)	Appendix I		Appendix I	Appendix I	Appendix I	
MW-17 (b)	Appendix I		Appendix I	Appendix I	Appendix I	
MW-18 (b)	Appendix I		Appendix I	Appendix I	Appendix I	
MW-19A (b)	Appendix I		Appendix I	Appendix I	Appendix I	
MW-24 (b)	Appendix I		Appendix I	Appendix I	Appendix I	
MW-10	Dry		Dry	Dry	Dry	
MW-12	Appendix I	R-As	Appendix I	Appendix I	Appendix I	chloroethane
MW-15R	Appendix I		Appendix I	Appendix I	Appendix I	
MW-20R	Appendix I		Appendix I	Appendix I	Appendix I	
MW-25	As, Ba, V.C.		As, Ba, V.C.	As, Ba, V.C.	As, Ba, V.C.	
MW-26	As, Ba, V.C.		As, Ba, V.C.	As, Ba, V.C.	As, Ba, V.C.	
MW-4	Appendix I		Appendix I	Appendix I	Appendix I	
MW-5	Appendix I		Appendix II	Appendix I ⁽²⁾	Appendix I	
MW-21	Appendix I		Appendix I	Appendix I	Appendix I	
MW-22	Appendix I		Appendix I	Appendix I	Appendix I	
Duplicate	Appendix I		Appendix I	App I metals	App I metals	

-
- (1) Appendix I plus dichlorodifluoromethane
(2) Appendix I plus bis(2ethylhexyl)phthalate
-

(R) = Resample
V.C. = vinyl chloride

Table 3 – Monitoring Well Maintenance Performance Reevaluation Schedule

Table 3
Monitoring Well Maintenance and Performance Revaluation Schedule
Annual Water Quality Report
South Dallas County Sanitary Landfill
Permit No. 25-SDP-01-75P

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 (bi-annual)	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 (bi-annual)		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 (bi-annual)		X		X		X		P		P
Waste separation from ground water 113.6(2)"l"	X	X	X	X	X	X	X	P	P	P

X = completed

P = Planned

N/A = Not Applicable

Table 4 – Monitoring Well Maintenance Performance Reevaluation Summary

Table 4 Monitoring Well Maintenance and Performance Summary Annual Water Quality Report South Dallas County Sanitary Landfill Permit No. 25-SDP-01-75P										
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	
					3/3/2025	9/25/2025			3/20/2024	Change
MW-2	937.53	927.78	19.75	Groundwater Level (ft)	19.75	19.75	0	0.000003 2003	dry	None percieved
				Groundwater Elevation (Ft MSL)	917.78	917.78				
				Measured Well Depth (ft)	19.75	19.75				
				Submerged (+) or Exposed screen (-)	-10	-10				
MW-4	924.35	897.15	37.2	Groundwater Level (ft)	32.8	32.72	0	0.00005 2003	Full recovery in 4 hour	None percieved
				Groundwater Elevation (Ft MSL)	891.55	891.63				
				Measured Well Depth (ft)	37.2	37.2				
				Submerged (+) or Exposed screen (-)	-5.6	-5.52				
MW-5	923.97	897.42	36.55	Groundwater Level (ft)	34.31	31.18	0	0.00001 1998	Full recovery in > 24 hour	None percieved
				Groundwater Elevation (Ft MSL)	889.66	892.79				
				Measured Well Depth (ft)	36.55	36.55				
				Submerged (+) or Exposed screen (-)	-7.76	-4.63				
MW-9	934.91	902.58	42.33	Groundwater Level (ft)	31.09	31.25	0	0.0003 2003	No Draw Down	None percieved
				Groundwater Elevation (Ft MSL)	903.82	903.66				
				Measured Well Depth (ft)	42.33	42.33				
				Submerged (+) or Exposed screen (-)	1.24	1.08				
MW-10	917.02	906.52	20.5	Groundwater Level (ft)	19.6	19.81	0	0.000001 1998	Dry	None percieved
				Groundwater Elevation (Ft MSL)	897.42	897.21				
				Measured Well Depth (ft)	20.5	20.5				
				Submerged (+) or Exposed screen (-)	-9.1	-9.31				
MW-12	908.7	895.6	23.1	Groundwater Level (ft)	12.48	11.87	0	0.000002 2003	Full recovery in 24 hour	None percieved
				Groundwater Elevation (Ft MSL)	896.22	896.83				
				Measured Well Depth (ft)	23.1	23.1				
				Submerged (+) or Exposed screen (-)	0.62	1.23				
MW-15R	919.38	899.03	30.35	Groundwater Level (ft)	17.82	18.23	-0.4	0.00008 2003	Full recovery in 5 hour	None percieved
				Groundwater Elevation (Ft MSL)	901.56	901.15				
				Measured Well Depth (ft)	30.75	30.75				
				Submerged (+) or Exposed screen (-)	2.53	2.12				
MW-17	916.22	903.17	23.05	Groundwater Level (ft)	19.02	18.96	0	pending	Full recovery in 4 hour	None percieved
				Groundwater Elevation (Ft MSL)	897.2	897.26				
				Measured Well Depth (ft)	23.05	23.05				
				Submerged (+) or Exposed screen (-)	-5.97	-5.91				
MW-18	940.87	911.17	39.7	Groundwater Level (ft)	36.15	36.69	0	pending	Full recovery in 24 hour	None percieved
				Groundwater Elevation (Ft MSL)	904.72	904.18				
				Measured Well Depth (ft)	39.7	39.7				
				Submerged (+) or Exposed screen (-)	-6.45	-6.99				
MW-19A	943.16	895.86	57.3	Groundwater Level (ft)	38	37.84	0	pending	Full recovery in > 24 hour	None percieved
				Groundwater Elevation (Ft MSL)	905.16	905.32				
				Measured Well Depth (ft)	57.3	57.3				
				Submerged (+) or Exposed screen (-)	9.3	9.46				
MW-20R	913.4	901.75	21.65	Groundwater Level (ft)	13.68	13.68	0	pending	Full recovery in 4 hour	None percieved
				Groundwater Elevation (Ft MSL)	899.72	899.72				
				Measured Well Depth (ft)	21.65	21.65				
				Submerged (+) or Exposed screen (-)	-2.03	-2.03				
MW-21	896.5	885	21.5	Groundwater Level (ft)	6.23	5.3	0	pending	Full recovery in 5 hour	None percieved
				Groundwater Elevation (Ft MSL)	890.27	891.2				
				Measured Well Depth (ft)	21.5	21.5				
				Submerged (+) or Exposed screen (-)	5.27	6.2				
MW-22	925.68	900.23	35.45	Groundwater Level (ft)	32.55	32.35	0	pending	Full recovery in 3 hour	None percieved
				Groundwater Elevation (Ft MSL)	893.13	893.33				
				Measured Well Depth (ft)	35.45	35.45				
				Submerged (+) or Exposed screen (-)	-7.1	-6.9				
MW-24	923.34	906.59	26.75	Groundwater Level (ft)	13.94	14.05	0	pending	Full recovery in 4 hour	None percieved
				Groundwater Elevation (Ft MSL)	909.4	909.29				
				Measured Well Depth (ft)	26.75	26.75				
				Submerged (+) or Exposed screen (-)	2.81	2.7				
MW-25	902.9	891.48	21.42	Groundwater Level (ft)	12.24	10.81	0	pending	Full recovery in 6 hour	None percieved
				Groundwater Elevation (Ft MSL)	890.66	892.09				
				Measured Well Depth (ft)	21.42	21.42				
				Submerged (+) or Exposed screen (-)	-0.82	0.61				
MW-26	908.83	893.63	25.2	Groundwater Level (ft)	17.92	18.86	0	pending	No Draw Down	None percieved
				Groundwater Elevation (Ft MSL)	890.91	889.97				
				Measured Well Depth (ft)	25.2	25.2				
				Submerged (+) or Exposed screen (-)	-2.72	-3.66				

Table 4A – Historic Water Level & Elevation Summary

Table 4A--- Water levels in monitoring locations, South Dallas County Sanitary Landfill. TOC, top of casing except GWD-1.

Monitor Well/ TOC Elev. (ft)	Screened Interval		Water Level	Date								
	Depth (ft)	Elev. (ft)		1/15/1992	7/7/1993	10/13/1993	4/26/1994	10/12/1994	4/24/1995	10/18/1995	4/26/1996	10/9/1996
MW-1 934.07	52.4 67.4	878.97 863.97	Depth (ft) Elev. (ft)									
MW-2 937.53	9.6 19.6	927.93 917.93	Depth (ft) Elev. (ft)	6.24 931.29	6.16 931.37	7.39 930.14	10.03 927.50	17.26 920.27	8.03 929.50	12.29 925.24	11.18 926.35	10.99 926.54
MW-4 924.35	27.0 37.0	897.31 887.31	Depth (ft) Elev. (ft)	31.22 893.13	30.69 893.66	31.47 892.88	31.72 892.63	34.56 889.79	31.37 892.98	32.01 892.34	31.79 892.56	31.75 892.60
MW-5 923.97	26.9 36.9	897.10 887.10	Depth (ft) Elev. (ft)	31.20 892.77	30.31 893.66	29.73 894.24	30.92 893.05	32.66 891.31	31.67 892.30	32.26 891.71	31.89 892.08	32.21 891.76
MW-9 934.91	32.2 42.2	902.71 892.71	Depth (ft) Elev. (ft)	33.81 901.10	33.95 900.96	33.87 901.04	33.39 901.52	35.88 899.03	33.84 901.07	34.15 900.76	33.98 900.93	33.85 901.06
MW-10 917.02	10.3 20.3	906.75 896.75	Depth (ft) Elev. (ft)	17.34 899.68	13.11 903.91	11.20 905.82	11.32 905.70	18.54 898.48	13.19 903.83	18.11 898.91	19.41 897.61	18.46 898.56
MW-12 908.70	13.2 23.2	895.50 885.50	Depth (ft) Elev. (ft)	11.63 897.07	9.46 899.24	10.54 898.16	12.57 896.13	13.96 894.74	11.33 897.37	13.56 895.14	13.27 895.43	12.87 895.83
MW-15R 919.38	20.0 30.0	899.38 889.38	Depth (ft) Elev. (ft)									
MW-16 921.46	32.2 42.2	889.29 879.26	Depth (ft) Elev. (ft)	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	31.91 889.55
MW-17 916.22	14.32 24.32	901.90 891.90	Depth (ft) Elev. (ft)	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	---
MW-18 940.87	30.87 40.87	910.00 900.00	Depth (ft) Elev. (ft)									
MW-19A 943.16	46.5 56.5	896.66 886.66	Depth (ft) Elev. (ft)									
MW-20R 913.40	11.50 21.50	901.90 891.90	Depth (ft) Elev. (ft)									
MW-21 896.50	11.18 21.18	885.32 875.32	Depth (ft) Elev. (ft)									
MW-22 925.68	25.28 35.28	900.40 890.40	Depth (ft) Elev. (ft)									
MW-23 913.87	6.40 16.40	907.47 897.47	Depth (ft) Elev. (ft)									
MW-24 923.34	16.70 26.70	906.64 896.64	Depth (ft) Elev. (ft)									
				1/15/1992	7/7/1993	10/13/1993	4/26/1994	10/12/1994	4/24/1995	10/18/1995	4/26/1996	10/9/1996

Table 4A--- Water levels in monitoring locations, South Dallas County Sanitary Landfill. TOC, top of casing except GWD-1.

Monitor Well/ TOC Elev. (ft)	Date											
	4/25/1997	9/26/1997	4/26/1998	9/15/1998	3/30/1999	10/7/1999	4/12/2000	9/26/2000	4/5/2001	8/28/2001	3/29/2002	9/9/2002
MW-2 937.53	6.88 930.65	15.27 922.26	5.49 932.04	8.17 929.36	7.17 930.36	13.62 923.91	18.85 918.68	18.13 919.40	8.71 928.82	13.93 923.60	10.50 927.03	17.07 920.46
MW-4 924.35	31.42 892.93	32.98 891.37	31.12 893.23	31.80 892.55	31.51 892.84	32.11 892.24	31.94 892.41	34.19 890.16	31.42 892.93	33.86 890.49	31.86 892.49	34.02 890.33
MW-5 923.97	31.34 892.63	32.41 891.56	30.52 893.45	31.28 892.69	31.29 892.68	31.61 892.36	31.99 891.98	30.3 893.67	31.58 892.39	32.94 891.03	32.12 891.85	33.59 890.38
MW-9 934.91	33.41 901.50	34.63 900.28	32.98 901.93	33.29 901.62	32.73 902.18	33.1 901.81	32.98 901.93	35.19 899.72	32.43 902.48	33.86 901.05	32.60 902.31	37.70 897.21
MW-10 917.02	8.70 908.32	19.18 897.84	6.90 910.12	8.30 908.72	8.44 908.58	17.64 899.38	19.58 897.44	19.60 897.42	9.99 907.03	19.43 897.59	16.35 900.67	19.40 897.62
MW-12 908.70	11.97 896.73	13.13 895.57	11.12 897.58	12.58 896.12	11.98 896.72	12.64 896.06	12.73 895.97	13.99 894.71	10.03 898.67	13.01 895.69	12.60 896.10	12.83 895.87
MW-15R 919.38												
MW-16 921.46	31.56 889.90	33.24 888.22	31.28 890.18	31.95 889.51	31.63 889.83	32.20 889.26	32.01 889.45	34.34 887.12	31.59 889.87	34.05 887.41	32.08 889.38	34.14 887.32
MW-17 916.22	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	17.59 898.63	19.35 896.87	16.07 900.15	19.09 897.13	17.33 898.89	19.34 896.88
MW-18 940.87												
MW-19A 943.16												
MW-20R 913.40												
MW-21 896.50												
MW-22 925.68												
MW-23 913.87												
MW-24 923.34												
	4/25/1997	9/26/1997	4/26/1998	9/15/1998	3/30/1999	10/7/1999	4/12/2000	9/26/2000	4/5/2001	8/28/2001	3/29/2002	9/9/2002

Table 4A--- Water levels in monitoring locations, South Dallas County Sanitary Landfill. TOC, top of casing except GWD-1.

Monitor Well/ TOC Elev. (ft)	Date											
	4/15/2003	9/25/2003	4/3/2004	9/29/2004	4/9/2005	9/17/2005	4/9/2006	9/18/2006	4/21/2007	9/20/2007	4/23/2008	
MW-2 937.53	19.70 917.83	15.11 922.42	5.58 931.95	12.93 924.60	14.99 922.54	19.60 917.93	19.66 917.87	19.74 917.79	19.48 918.05	19.65 917.88		MW-2
MW-4 924.35	31.86 892.49	34.35 890.00	33.09 891.26	32.02 892.33	31.69 892.66	34.1 890.25	31.68 892.67	31.84 892.51	31.10 893.25	31.64 892.71	30.19 894.16	MW-4
MW-5 923.97	32.33 891.64	31.76 892.21	29.74 894.23	32.10 891.87	31.54 892.43	33.10 890.87	33.04 890.93	33.75 890.22	31.47 892.50	32.16 891.81	30.50 893.47	MW-5
MW-9 934.91	32.28 902.63	34.60 900.31	31.14 903.77	31.94 902.97	31.28 903.63	33.42 901.49	31.07 903.84	31.37 903.54	30.59 904.32	30.86 904.05	29.79 905.12	MW-9
MW-10 917.02	19.46 897.56	19.42 897.60	8.99 908.03	19.52 897.50	8.76 908.26	19.68 897.34	8.82 908.20	19.58 897.44	9.49 907.53	19.52 897.50	8.29 908.73	MW-10
MW-12 908.70	12.11 896.59	12.82 895.88	10.33 898.37	12.98 895.72	12.94 895.76	13.14 895.56	10.18 898.52	11.34 897.36	11.55 897.15	11.93 896.77	9.79 898.91	MW-12
MW-15R 919.38												
MW-16 921.46	32.08 889.38	34.51 886.95	31.18 890.28	32.24 889.22	31.98 889.48	34.22 887.24	31.83 889.63	31.95 889.51	29.63 891.83	31.78 889.68	30.73 890.73	MW-16
MW-17 916.22	17.61 898.61	18.57 897.65	16.32 899.90	17.86 898.36	17.41 898.81	19.47 896.75	17.18 899.04	17.74 898.48	17.16 899.06	17.71 898.51	16.60 899.62	MW-17
MW-18 940.87											29.78 911.09	MW-18
MW-19A 943.16									37.36 905.80	35.41 907.75	34.42 908.74	MW-19
MW-20R 913.40												
MW-21 896.50												
MW-22 925.68												
MW-23 913.87												
MW-24 923.34												
	4/15/2003	9/25/2003	4/3/2004	9/29/2004	4/9/2005	9/17/2005	4/9/2006	9/18/2006	4/21/2007	9/20/2007		

Table 4A--- Water levels in monitoring locations, South Dallas County Sanitary Landfill. TOC, top of casing except GWD-1.

Monitor Well/ TOC Elev. (ft)	Date											
	10/2/2008	3/4/2009	9/17/2009	4/5/2010	10/8/2010	4/13/2011	9/21/2011	4/9/2012	9/5/2012	4/26/2013	9/26/2013	
MW-1 934.07				38.69 895.38	37.42 896.65				46.57 887.50		43.91 890.16	MW-1
MW-2 937.53					13.39 924.14	11.15 926.38	19.17 918.36	19.72 917.81	19.58 917.95	19.59 917.94	19.62 917.91	MW-2
MW-4 924.35	31.71 892.64	31.68 892.67	32.89 891.46	31.32 893.03	31.42 892.93	31.64 892.71	32.02 892.33	31.71 892.64	34.23 890.12	31.47 892.88	36.57 887.78	MW-4
MW-5 923.97	31.60 892.37	31.13 892.84	32.14 891.83	30.07 893.90	30.29 893.68	31.21 892.76	32.12 891.85	31.89 892.08	33.70 890.27	32.87 891.10	33.98 889.99	MW-5
MW-9 934.91	30.29 904.62	30.16 904.75	31.48 903.43	30.15 904.76	30.32 904.59	30.41 904.50	31.49 903.42	30.72 904.19	33.62 901.29	30.31 904.60	32.03 902.88	MW-9
MW-10 917.02	19.58 897.44	11.75 905.27	20.10 896.92	9.50 907.52	14.11 902.91	7.30 909.72	19.41 897.61	10.28 906.74	19.58 897.44	11.02 906.00	19.39 897.63	MW-10
MW-12 908.70	11.99 896.71	12.74 895.96	12.31 896.39	11.98 896.72	11.68 897.02	12.18 896.52	12.92 895.78	12.13 896.57	13.60 895.10	9.28 899.42	12.51 896.19	MW-12
MW-15R 919.38				17.37 902.01	17.75 901.63	17.94 901.44	18.64 900.74	18.08 901.30	20.14 899.24	17.50 901.88	19.43 899.95	MW-15R
MW-16 921.46	30.99 890.47	31.88 889.58	32.96 888.50	31.57 889.89	31.84 889.62	32.07 889.39	32.39 889.07	32.03 889.43	34.39 887.07	31.71 889.75	33.71 887.75	MW-16
MW-17 916.22	16.81 899.41	17.70 898.52	19.00 897.22	17.70 898.52	18.05 898.17	17.87 898.35	18.68 897.54	18.50 897.72	19.93 896.29	17.93 898.29	19.39 896.83	MW-17
MW-18 940.87	35.13 905.74	33.50 907.37	31.85 909.02	31.27 909.60	31.02 909.85	30.71 910.16	32.40 908.47	32.20 908.67	33.49 907.38	32.75 908.12	34.02 906.85	MW-18
MW-19A 943.16	46.20 896.96	38.99 904.17	33.69 909.47	31.42 911.74	30.41 912.75	30.70 912.46	31.69 911.47	33.42 909.74	35.49 907.67	36.18 906.98	36.97 906.19	MW-19A
MW-20R 913.40				13.01 900.39	13.46 899.94	13.65 899.75	14.48 898.92	13.75 899.65	16.33 897.07	13.24 900.16	13.36 900.04	MW-20R
MW-21 896.50				2.75 893.75	3.08 893.42	2.20 894.30	6.60 889.90	2.94 893.56	8.76 887.74	2.35 894.15	8.83 887.67	MW-21
MW-22 925.68				31.29 894.39	31.34 894.34	31.41 894.27	32.15 893.53	31.53 894.15	34.00 891.68	30.35 895.33	33.47 892.21	MW-22
MW-23 913.87					12.74 901.13	15.05 898.82	15.24 898.63	16.32 897.55	14.80 899.07	16.61 897.26	14.22 899.65	MW-23
MW-24 923.34				15.49 907.85	14.46 908.88	14.67 908.67	15.37 907.97	14.29 909.05	16.94 906.40	14.08 909.26	14.83 908.51	MW-24
GWD-1 889.25 Bottom elev.								0.00 889.25	0.00 889.25	0.00 889.25	0.00 889.25	GWD-1
	10/2/2008	3/4/2009	9/17/2009	4/5/2010	10/8/2010	4/13/2011	9/21/2011	4/9/2012	9/5/2012	4/26/2013	9/26/2013	

Table 4A--- Water levels in monitoring locations, South Dallas County Sanitary Landfill. TOC, top of casing except GWD-1.

Monitor Well/ TOC Elev. (ft)	Date												Mean/ Std. Dev.	
	4/10/2014	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	4/24/2017	10/9/2017	3/21/2018	9/7/2018	4/2/2019	9/18/2019		
MW-1 934.07	934.07	40.52 893.55	934.07	39.40 894.67	39.25 894.82	41.14 892.93	934.07	934.07					40.86 2.69	MW-1
MW-2 937.53	19.60 917.93	19.69 917.84	15.02 922.51	13.61 923.92	8.50 929.03	19.67 917.86	8.20 929.33	19.65 917.88	19.65 917.88	19.55 917.98	12.60 924.93	19.00 918.53	14.34 5.04	MW-2
MW-4 924.35	31.95 892.40	30.91 893.44	31.91 892.44	31.91 892.44	32.16 892.19	32.03 892.32	31.75 892.60	32.21 892.14	31.79 892.56	32.02 892.33	32.20 892.15	32.68 891.67	32.16 1.13	MW-4
MW-5 923.97	33.65 890.32	31.27 892.70	31.64 892.33	30.86 893.11	30.70 893.27	31.54 892.43	30.50 893.47	32.33 891.64	31.73 892.24	30.70 893.27	29.11 894.86	29.50 894.47	31.63 1.12	MW-5
MW-9 934.91	30.67 904.24	29.67 905.24	30.26 904.65	31.64 903.27	30.95 903.96	31.06 903.85	30.50 904.41	31.21 903.70	29.90 905.01	30.91 904.00	31.19 903.72	31.80 903.11	32.19 1.75	MW-9
MW-10 917.02	19.45 897.57	9.61 907.41	8.68 908.34	7.63 909.39	7.62 909.40	18.90 898.12	7.72 909.30	19.50 897.52	9.10 907.92	19.55 897.47	9.57 907.45	19.40 897.62	14.44 5.00	MW-10
MW-12 908.70	12.89 895.81	7.55 901.15	11.76 896.94	9.94 898.76	11.81 896.89	9.27 899.43	9.90 898.80	10.00 898.70	10.21 898.49	7.70 901.00	10.83 897.87	11.22 897.48	11.70 1.48	MW-12
MW-15R 919.38	18.05 901.33	16.62 902.76	17.45 901.93	17.85 901.53	18.28 901.10	18.32 901.06	17.80 901.58	18.50 900.88	18.04 901.34	17.90 901.48	17.55 901.83	18.40 900.98	18.08 0.75	MW-15R
MW-16 921.46	32.23 889.23	31.19 890.27	32.31 889.15	32.18 889.28	32.42 889.04	32.33 889.13	31.82 889.64	32.58 888.88	32.18 889.28	32.63 888.83	29.70 891.76	30.51 890.95	32.16 1.10	MW-16
MW-17 916.22	18.52 897.70	17.05 899.17	18.05 898.17	18.15 898.07	18.50 897.72	18.38 897.84	18.00 898.22	18.50 897.72	18.36 897.86	17.97 898.25	18.43 897.79	18.76 897.46	18.07 0.88	MW-17
MW-18 940.87	33.54 907.33	34.91 905.96	34.59 906.28	34.59 906.28	32.96 907.91	33.56 907.31	32.32 908.55	32.12 908.75	32.08 908.79	33.67 907.20	32.23 908.64	31.73 909.14	32.90 1.25	MW-18
MW-19A 943.16	37.32 905.84	38.31 904.85	35.21 907.95	32.20 910.96	30.21 912.95	31.91 911.25	32.35 910.81	32.00 911.16	34.80 908.36	33.16 910.00	32.83 910.33	31.38 911.78	34.39 3.49	MW-19A
MW-20R 913.40	13.86 899.54	11.92 901.48	13.13 900.27	13.14 900.26	13.45 899.95	13.59 899.81	12.45 900.95	13.69 899.71	13.27 900.13	12.95 900.45	13.09 900.31	13.47 899.93	13.46 0.86	MW-20R
MW-21 896.50	3.91 892.59	1.13 895.37	2.10 894.40	2.06 894.44	2.46 894.04	3.49 893.01	1.90 894.60	3.46 893.04	1.95 894.55	2.30 894.20	1.55 894.95	3.21 893.29	3.35 2.18	MW-21
MW-22 925.68	31.92 893.76	30.58 895.10	31.99 893.69	32.10 893.58	32.31 893.37	32.24 893.44	31.02 894.66	32.15 893.53	31.67 894.01	31.33 894.35	31.90 893.78	32.43 893.25	31.86 0.86	MW-22
MW-23 913.87	NA	13.92 899.95	16.60 897.27	NA	NA	NA	abandoned						15.06 1.33	MW-23
MW-24 923.34	13.96 909.38	13.19 910.15	14.04 909.30	13.50 909.84	13.40 909.94	13.56 909.78	13.17 910.17	14.02 909.32	13.45 909.89	13.65 909.69	13.95 909.39	15.41 907.93	14.27 0.95	MW-24
GWD-1 889.25 Bottom elev.	0.00 889.25	0.00 889.25	0.00 889.25	0.00 889.25	0.00 889.25	0.00 889.25	0.00 889.25	0.00 889.25	0.00 889.25	0.00 889.25	0.00 889.25	0.00 889.25	0.00 0.00	GWD-1
	4/10/2014	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	4/24/2017	10/9/2017	3/21/2018	9/7/2018	4/2/2019	9/18/2019		

GWD-1 base ele 889.25

Table 5 – Background and GWPS Summary

Table 5
Background and GWPS Summary
Annual Water Quality Report
South Dallas County Sanitary Landfill
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Interwell Background Wells (MW-2, MW-9, MW-17, MW-18, MW-19A, MW-24)

Inorganics - Appendix I										
Constituent	Units	Model Type	Samples - N	Detections	Mean	SD	Prediction Limit	Confidence	GWPS	Source
Antimony (Sb)	µg/l	nonparametric	121	0			2.0000	0.99	6	SS
Arsenic (As)	µg/l	nonparametric	120	58			167.0000	0.99	167	Site
Barium (Ba)	µg/l	normal	120	120	416.8733	350.1161	1245.9110		1305.6	Site
Beryllium (Be)	µg/l	nonparametric	116	0			4.0000	0.99	4	SS
Cadmium (Cd)	µg/l	nonparametric	116	20			3.7000	0.99	5	SS
Chromium (Cr)	µg/l	nonparametric	114	2			11.6000	0.99	100	SS
Cobalt (Co)	µg/l	lognormal	116	96	1.0865	1.0654	37.0016		37.0016	Site
Copper (Cu)	µg/l	nonparametric	115	13			10.0000	0.99	1300	SS
Lead (Pb)	µg/l	nonparametric	112	2			6.8000	0.99	15	SS
Nickel (Ni)	µg/l	normal	117	91	8.1162	5.878	22.0411		100	SS
Selenium (Se)	µg/l	nonparametric	120	2			7.5000	0.99	50	SS
Silver (Ag)	µg/l	nonparametric	121	0			4.0000	0.99	100	SS
Thallium (Tl)	µg/l	nonparametric	116	2			2.3000	0.99	2.3	SS
Vanadium (V)	µg/l	nonparametric	115	1			31.6000	0.99	35	SS
Zinc (Zn)	µg/l	nonparametric	118	26			267.0000	0.99	2000	SS
VOC - Appendix I										
Constituent	Units	Model Type	Samples - N	Detections	Mean	SD	Prediction Limit	Confidence	GWPS	Source
All	µg/l	DQR	121	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
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Well	Constituent	Date	Most recent result (ug/L)	Background Standard (ug/L)	GWPS (ug/L)	Monitoring Program
MW-4	1,4-dichlorobenzene	3/3/2025	5.3	1.0	75	Assessment Monitoring Well
MW-4	1,4-dichlorobenzene	9/25/2025	5.7	1.0	75	Assessment Monitoring Well
MW-4	benzene	3/3/2025	1.1	1.0	5	Assessment Monitoring Well
MW-4	benzene	9/25/2025	1.4	1.0	5	Assessment Monitoring Well
MW-4	chloroethane	9/25/2025	2.2	1.0	2800	Assessment Monitoring Well
MW-4	cis-1,2-dichloroethylene	9/25/2025	1.7	1.0	70	Assessment Monitoring Well
MW-4	vinyl chloride	9/25/2025	2.0	1.0	2	Assessment Monitoring Well
MW-5	chloroethane*	9/25/2025	2.2	1.0	2800.0	Assessment Monitoring Well
MW-22	benzene	9/25/2025	1.5	1.0	5	Assessment Monitoring Well

* = not verified by the 12/15/2025 resample

Table 7 – Summary of Ongoing and Newly Identified SSI

Table 7
Summary of Ongoing & Newly Identified SSI
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South Dallas County Sanitary Landfill
Permit No. 25-SDP-01-75P

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-4	chromium	10/16/2014	<8	11.6	---	100	<i>not verified</i>	NA	10/16/2014
MW-4	chromium	4/4/2015	<8	11.6	---	100	<i>not verified</i>	NA	10/16/2014
MW-4	chromium	10/1/2015	<8	11.6	---	100	<i>not verified</i>	NA	10/16/2014
MW-4	chromium	4/4/2016	<8	11.6	4.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	chromium	9/20/2016	<8	11.6	4.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	chromium	4/24/2017	<8	11.6	4.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	chromium	10/9/2017	<8	11.6	4.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	chromium	3/21/2018	<8	11.6	4.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	chromium	9/7/2018	<8	11.6	4.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	chromium	4/2/2019	<8	11.6	4.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	chromium	9/18/2019	<8	11.6	4.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	chromium	3/25/2020	<8	11.6	4.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	chromium	9/15/2020	<8	11.6	4.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	chromium	3/8/2021	<8	11.6	4.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	chromium	9/28/2021	<8	11.6	4.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	chromium	3/8/2022	<8	11.6	4.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	chromium	8/30/2022	<8	11.6	4.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	chromium	3/7/2023	<8	11.6	4.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	chromium	9/11/2023	33.9	11.6	0.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	chromium	3/20/2024	<8	11.6	0.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	chromium	9/12/2024	<8	11.6	0.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	chromium	3/3/2025	<8	11.6	0.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	chromium	9/25/2025	1.1	11.6	2.019	100	<i>not verified</i>	NA	10/16/2014

Table 7
Summary of Ongoing & Newly Identified SSI
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KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-4	nickel	10/16/2014	11.3	67.5410	---	100	<i>not verified</i>	NA	10/16/2014
MW-4	nickel	4/4/2015	7.3	67.5410	---	100	<i>not verified</i>	NA	10/16/2014
MW-4	nickel	10/1/2015	<4	67.5410	---	100	<i>not verified</i>	NA	10/16/2014
MW-4	nickel	4/4/2016	7.5	67.5410	2.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	nickel	9/20/2016	<4	67.5410	2.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	nickel	4/24/2017	<4	67.5410	2.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	nickel	10/9/2017	<4	67.5410	2.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	nickel	3/21/2018	<4	67.5410	2.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	nickel	9/7/2018	<4	67.5410	2.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	nickel	4/2/2019	<4	67.5410	2.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	nickel	9/18/2019	<4	67.5410	2.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	nickel	3/25/2020	<4	67.5410	2.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	nickel	9/15/2020	<4	67.5410	2.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	nickel	3/8/2021	<4	67.5410	2.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	nickel	9/28/2021	26.4	67.5410	0.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	nickel	12/3/2021	5.2	67.5410	0.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	nickel	3/8/2022	4.5	67.5410	0.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	nickel	8/30/2022	4.6	67.5410	0.804	100	<i>not verified</i>	NA	10/16/2014
MW-4	nickel	3/7/2023	<4	67.5410	2.408	100	<i>not verified</i>	NA	10/16/2014
MW-4	nickel	9/11/2023	52.8	22.3381	0.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	nickel	3/20/2024	<4	22.2432	0.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	nickel	9/12/2024	<4	22.2432	0.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	nickel	3/3/2025	<4	22.0411	0.000	100	<i>not verified</i>	NA	10/16/2014
MW-4	nickel	9/25/2025	<5	22.0411	2.500	100	<i>not verified</i>	NA	10/16/2014

Table 7
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KEY:	SSI	SSL LCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-4	1,1-dichloroethane	10/16/2014	<1.0	1.0	---	140.0	4/4/2016	NA	10/16/2014
MW-4	1,1-dichloroethane	4/4/2015	<1.0	1.0	---	140.0	4/4/2016	NA	10/16/2014
MW-4	1,1-dichloroethane	10/1/2015	<1.0	1.0	---	140.0	4/4/2016	NA	10/16/2014
MW-4	1,1-dichloroethane	4/4/2016	1.0	1.0	0.408	140.0	4/4/2016	NA	10/16/2014
MW-4	1,1-dichloroethane	9/20/2016	<1.0	1.0	0.408	140.0	4/4/2016	NA	10/16/2014
MW-4	1,1-dichloroethane	4/24/2017	1.7	1.0	0.433	140.0	4/4/2016	NA	10/16/2014
MW-4	1,1-dichloroethane	10/9/2017	2.6	1.0	0.661	140.0	4/4/2016	NA	10/16/2014
MW-4	1,1-dichloroethane	3/21/2018	2.6	1.0	0.988	140.0	4/4/2016	NA	10/16/2014
MW-4	1,1-dichloroethane	9/7/2018	<1.0	1.0	0.988	140.0	4/4/2016	NA	10/16/2014
MW-4	1,1-dichloroethane	4/2/2019	<1.0	1.0	0.500	140.0	4/4/2016	NA	10/16/2014
MW-4	1,1-dichloroethane	9/18/2019	<1.0	1.0	0.116	140.0	4/4/2016	NA	10/16/2014
MW-4	1,1-dichloroethane	3/25/2020	<1.0	1.0	0.500	140.0	4/4/2016	NA	10/16/2014
MW-4	1,1-dichloroethane	9/15/2020	1.9	1.0	0.244	140.0	4/4/2016	NA	10/16/2014
MW-4	1,1-dichloroethane	3/8/2021	<1.0	1.0	0.244	140.0	4/4/2016	NA	10/16/2014
MW-4	1,1-dichloroethane	9/28/2021	1.1	1.0	0.426	140.0	4/4/2016	NA	10/16/2014
MW-4	1,1-dichloroethane	3/8/2022	<1.0	1.0	0.220	140.0	4/4/2016	NA	10/16/2014
MW-4	1,1-dichloroethane	8/30/2022	<1.0	1.0	0.297	140.0	4/4/2016	NA	10/16/2014
MW-4	1,1-dichloroethane	3/7/2023	<1.0	1.0	0.297	140.0	4/4/2016	NA	10/16/2014
MW-4	1,1-dichloroethane	9/11/2023	<1.0	1.0	0.500	140.0	4/4/2016	NA	10/16/2014
MW-4	1,1-dichloroethane	3/20/2024	<1.0	1.0	0.500	140.0	4/4/2016	NA	10/16/2014
MW-4	1,1-dichloroethane	9/12/2024	<1.0	1.0	0.500	140.0	4/4/2016	NA	10/16/2014
MW-4	1,1-dichloroethane	3/3/2025	<1.0	1.0	0.500	140.0	4/4/2016	NA	10/16/2014
MW-4	1,1-dichloroethane	9/25/2025	<1.0	1.0	0.500	140.0	4/4/2016	NA	10/16/2014

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KEY:	SSI	SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-4	1,2-dichloropropane	10/16/2014	1.2	1.0	---	5.0	10/16/2014	NA	10/16/2014
MW-4	1,2-dichloropropane	4/4/2015	<1.0	1.0	---	5.0	10/16/2014	NA	10/16/2014
MW-4	1,2-dichloropropane	10/1/2015	<1.0	1.0	---	5.0	10/16/2014	NA	10/16/2014
MW-4	1,2-dichloropropane	4/4/2016	<1.0	1.0	0.372	5.0	10/16/2014	NA	10/16/2014
MW-4	1,2-dichloropropane	9/20/2016	<1.0	1.0	0.500	5.0	10/16/2014	NA	10/16/2014
MW-4	1,2-dichloropropane	4/24/2017	<1.0	1.0	0.500	5.0	10/16/2014	NA	10/16/2014
MW-4	1,2-dichloropropane	10/9/2017	<1.0	1.0	0.500	5.0	10/16/2014	NA	10/16/2014
MW-4	1,2-dichloropropane	3/21/2018	<1.0	1.0	0.500	5.0	10/16/2014	NA	10/16/2014
MW-4	1,2-dichloropropane	9/7/2018	<1.0	1.0	0.500	5.0	10/16/2014	NA	10/16/2014
MW-4	1,2-dichloropropane	4/2/2019	<1.0	1.0	0.500	5.0	10/16/2014	NA	10/16/2014
MW-4	1,2-dichloropropane	9/18/2019	1.6	1.0	0.299	5.0	10/16/2014	NA	10/16/2014
MW-4	1,2-dichloropropane	3/25/2020	<1.0	1.0	0.299	5.0	10/16/2014	NA	10/16/2014
MW-4	1,2-dichloropropane	9/15/2020	<1.0	1.0	0.299	5.0	10/16/2014	NA	10/16/2014
MW-4	1,2-dichloropropane	3/8/2021	<1.0	1.0	0.299	5.0	10/16/2014	NA	10/16/2014
MW-4	1,2-dichloropropane	9/28/2021	1.4	1.0	0.196	5.0	10/16/2014	NA	10/16/2014
MW-4	1,2-dichloropropane	3/8/2022	<1.0	1.0	0.196	5.0	10/16/2014	NA	10/16/2014
MW-4	1,2-dichloropropane	8/30/2022	<1.0	1.0	0.196	5.0	10/16/2014	NA	10/16/2014
MW-4	1,2-dichloropropane	3/7/2023	1.1	1.0	0.346	5.0	10/16/2014	NA	10/16/2014
MW-4	1,2-dichloropropane	9/11/2023	1.0	1.0	0.398	5.0	10/16/2014	NA	10/16/2014
MW-4	1,2-dichloropropane	3/20/2024	<1.0	1.0	0.398	5.0	10/16/2014	NA	10/16/2014
MW-4	1,2-dichloropropane	9/12/2024	<1.0	1.0	0.398	5.0	10/16/2014	NA	10/16/2014
MW-4	1,2-dichloropropane	3/3/2025	<1.0	1.0	0.331	5.0	10/16/2014	NA	10/16/2014
MW-4	1,2-dichloropropane	9/25/2025	<1.0	1.0	0.500	5.0	10/16/2014	NA	10/16/2014

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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-4	1,4-dichlorobenzene	10/16/2014	6.8	1.0	---	75.0	10/16/2014	NA	10/16/2014
MW-4	1,4-dichlorobenzene	4/4/2015	5.1	1.0	---	75.0	10/16/2014	NA	10/16/2014
MW-4	1,4-dichlorobenzene	10/1/2015	3.9	1.0	---	75.0	10/16/2014	NA	10/16/2014
MW-4	1,4-dichlorobenzene	4/4/2016	5.3	1.0	4.245	75.0	10/16/2014	NA	10/16/2014
MW-4	1,4-dichlorobenzene	9/20/2016	3.5	1.0	3.684	75.0	10/16/2014	NA	10/16/2014
MW-4	1,4-dichlorobenzene	4/24/2017	5.0	1.0	3.679	75.0	10/16/2014	NA	10/16/2014
MW-4	1,4-dichlorobenzene	10/9/2017	6.5	1.0	4.006	75.0	10/16/2014	NA	10/16/2014
MW-4	1,4-dichlorobenzene	3/21/2018	6.3	1.0	4.124	75.0	10/16/2014	NA	10/16/2014
MW-4	1,4-dichlorobenzene	9/7/2018	4.9	1.0	4.946	75.0	10/16/2014	NA	10/16/2014
MW-4	1,4-dichlorobenzene	4/2/2019	10.4	1.0	4.981	75.0	10/16/2014	NA	10/16/2014
MW-4	1,4-dichlorobenzene	9/18/2019	7.5	1.0	5.250	75.0	10/16/2014	NA	10/16/2014
MW-4	1,4-dichlorobenzene	3/25/2020	6.2	1.0	5.212	75.0	10/16/2014	NA	10/16/2014
MW-4	1,4-dichlorobenzene	9/15/2020	<1.0	1.0	2.551	75.0	10/16/2014	NA	10/16/2014
MW-4	1,4-dichlorobenzene	3/8/2021	6.3	1.0	2.406	75.0	10/16/2014	NA	10/16/2014
MW-4	1,4-dichlorobenzene	9/28/2021	6.0	1.0	2.294	75.0	10/16/2014	NA	10/16/2014
MW-4	1,4-dichlorobenzene	3/8/2022	5.8	1.0	5.814	75.0	10/16/2014	NA	10/16/2014
MW-4	1,4-dichlorobenzene	8/30/2022	4.6	1.0	4.798	75.0	10/16/2014	NA	10/16/2014
MW-4	1,4-dichlorobenzene	3/7/2023	5.7	1.0	4.785	75.0	10/16/2014	NA	10/16/2014
MW-4	1,4-dichlorobenzene	9/11/2023	7.4	1.0	4.519	75.0	10/16/2014	NA	10/16/2014
MW-4	1,4-dichlorobenzene	3/20/2024	6.0	1.0	4.569	75.0	10/16/2014	NA	10/16/2014
MW-4	1,4-dichlorobenzene	9/12/2024	5.9	1.0	5.336	75.0	10/16/2014	NA	10/16/2014
MW-4	1,4-dichlorobenzene	3/3/2025	5.3	1.0	5.104	75.0	10/16/2014	NA	10/16/2014
MW-4	1,4-dichlorobenzene	9/25/2025	5.7	1.0	5.361	75.0	10/16/2014	NA	10/16/2014

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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-4	acetone	10/16/2014	<10.0	10.0	---	6300.0	10/9/2017	NA	10/16/2014
MW-4	acetone	4/4/2015	<10.0	10.0	---	6300.0	10/9/2017	NA	10/16/2014
MW-4	acetone	10/1/2015	<10.0	10.0	---	6300.0	10/9/2017	NA	10/16/2014
MW-4	acetone	4/4/2016	<10.0	10.0	5.000	6300.0	10/9/2017	NA	10/16/2014
MW-4	acetone	9/20/2016	<10.0	10.0	5.000	6300.0	10/9/2017	NA	10/16/2014
MW-4	acetone	4/24/2017	<10.0	10.0	5.000	6300.0	10/9/2017	NA	10/16/2014
MW-4	acetone	10/9/2017	11.2	10.0	3.865	6300.0	10/9/2017	NA	10/16/2014
MW-4	acetone	3/21/2018	<10.0	10.0	3.865	6300.0	10/9/2017	NA	10/16/2014
MW-4	acetone	9/7/2018	<10.0	10.0	3.865	6300.0	10/9/2017	NA	10/16/2014
MW-4	acetone	4/2/2019	<10.0	10.0	3.865	6300.0	10/9/2017	NA	10/16/2014
MW-4	acetone	9/18/2019	<10.0	10.0	5.000	6300.0	10/9/2017	NA	10/16/2014
MW-4	acetone	3/25/2020	<10.0	10.0	5.000	6300.0	10/9/2017	NA	10/16/2014
MW-4	acetone	9/15/2020	<10.0	10.0	5.000	6300.0	10/9/2017	NA	10/16/2014
MW-4	acetone	3/8/2021	<10.0	10.0	5.000	6300.0	10/9/2017	NA	10/16/2014
MW-4	acetone	9/28/2021	43.4	10.0	0.000	6300.0	10/9/2017	NA	10/16/2014
MW-4	acetone	3/8/2022	<10.0	10.0	0.000	6300.0	10/9/2017	NA	10/16/2014
MW-4	acetone	8/30/2022	<10.0	10.0	0.000	6300.0	10/9/2017	NA	10/16/2014
MW-4	acetone	3/7/2023	<10.0	10.0	0.000	6300.0	10/9/2017	NA	10/16/2014
MW-4	acetone	9/11/2023	<10.0	10.0	5.000	6300.0	10/9/2017	NA	10/16/2014
MW-4	acetone	3/20/2024	<10.0	10.0	5.000	6300.0	10/9/2017	NA	10/16/2014
MW-4	acetone	9/12/2024	<10.0	10.0	5.000	6300.0	10/9/2017	NA	10/16/2014
MW-4	acetone	3/3/2025	<10.0	10.0	5.000	6300.0	10/9/2017	NA	10/16/2014
MW-4	acetone	9/25/2025	<10.0	10.0	5.000	6300.0	10/9/2017	NA	10/16/2014

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MW-4	benzene	10/16/2014	2.4	1.0	---	5.0	10/16/2014	NA	10/16/2014
MW-4	benzene	4/4/2015	1.6	1.0	---	5.0	10/16/2014	NA	10/16/2014
MW-4	benzene	10/1/2015	1.3	1.0	---	5.0	10/16/2014	NA	10/16/2014
MW-4	benzene	4/4/2016	1.4	1.0	1.243	5.0	10/16/2014	NA	10/16/2014
MW-4	benzene	9/20/2016	1.2	1.0	1.227	5.0	10/16/2014	NA	10/16/2014
MW-4	benzene	4/24/2017	1.2	1.0	1.192	5.0	10/16/2014	NA	10/16/2014
MW-4	benzene	10/9/2017	1.3	1.0	1.192	5.0	10/16/2014	NA	10/16/2014
MW-4	benzene	3/21/2018	1.5	1.0	1.178	5.0	10/16/2014	NA	10/16/2014
MW-4	benzene	9/7/2018	<1.0	1.0	0.748	5.0	10/16/2014	NA	10/16/2014
MW-4	benzene	4/2/2019	1.0	1.0	0.698	5.0	10/16/2014	NA	10/16/2014
MW-4	benzene	9/18/2019	<1.0	1.0	0.460	5.0	10/16/2014	NA	10/16/2014
MW-4	benzene	3/25/2020	1.2	1.0	0.492	5.0	10/16/2014	NA	10/16/2014
MW-4	benzene	9/15/2020	1.3	1.0	0.692	5.0	10/16/2014	NA	10/16/2014
MW-4	benzene	3/8/2021	1.6	1.0	0.747	5.0	10/16/2014	NA	10/16/2014
MW-4	benzene	9/28/2021	1.4	1.0	1.227	5.0	10/16/2014	NA	10/16/2014
MW-4	benzene	3/8/2022	1.7	1.0	1.285	5.0	10/16/2014	NA	10/16/2014
MW-4	benzene	8/30/2022	1.2	1.0	1.214	5.0	10/16/2014	NA	10/16/2014
MW-4	benzene	3/7/2023	1.5	1.0	1.205	5.0	10/16/2014	NA	10/16/2014
MW-4	benzene	9/11/2023	1.7	1.0	1.247	5.0	10/16/2014	NA	10/16/2014
MW-4	benzene	3/20/2024	1.4	1.0	1.205	5.0	10/16/2014	NA	10/16/2014
MW-4	benzene	9/12/2024	1.3	1.0	1.247	5.0	10/16/2014	NA	10/16/2014
MW-4	benzene	3/3/2025	1.1	1.0	1.081	5.0	10/16/2014	NA	10/16/2014
MW-4	benzene	9/25/2025	1.4	1.0	1.134	5.0	10/16/2014	NA	10/16/2014

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MW-4	bis(2-ethylhexyl)phthalate	10/16/2014	NT	6.0	---	6.0	9/28/2021	NA	10/16/2014
MW-4	bis(2-ethylhexyl)phthalate	4/4/2015	NT	6.0	---	6.0	9/28/2021	NA	10/16/2014
MW-4	bis(2-ethylhexyl)phthalate	10/1/2015	NT	6.0	---	6.0	9/28/2021	NA	10/16/2014
MW-4	bis(2-ethylhexyl)phthalate	4/4/2016	NT	6.0	---	6.0	9/28/2021	NA	10/16/2014
MW-4	bis(2-ethylhexyl)phthalate	9/20/2016	10.0	6.0	---	6.0	9/28/2021	NA	10/16/2014
MW-4	bis(2-ethylhexyl)phthalate	11/8/2016	<10.0	6.0	---	6.0	9/28/2021	NA	10/16/2014
MW-4	bis(2-ethylhexyl)phthalate	4/24/2017	NT	6.0	---	6.0	9/28/2021	NA	10/16/2014
MW-4	bis(2-ethylhexyl)phthalate	10/9/2017	NT	6.0	---	6.0	9/28/2021	NA	10/16/2014
MW-4	bis(2-ethylhexyl)phthalate	3/21/2018	NT	6.0	---	6.0	9/28/2021	NA	10/16/2014
MW-4	bis(2-ethylhexyl)phthalate	9/7/2018	NT	6.0	---	6.0	9/28/2021	NA	10/16/2014
MW-4	bis(2-ethylhexyl)phthalate	4/2/2019	NT	6.0	---	6.0	9/28/2021	NA	10/16/2014
MW-4	bis(2-ethylhexyl)phthalate	9/18/2019	NT	6.0	---	6.0	9/28/2021	NA	10/16/2014
MW-4	bis(2-ethylhexyl)phthalate	3/25/2020	NT	6.0	---	6.0	9/28/2021	NA	10/16/2014
MW-4	bis(2-ethylhexyl)phthalate	9/15/2020	NT	6.0	---	6.0	9/28/2021	NA	10/16/2014
MW-4	bis(2-ethylhexyl)phthalate	3/8/2021	NT	6.0	---	6.0	9/28/2021	NA	10/16/2014
MW-4	bis(2-ethylhexyl)phthalate	9/28/2021	12.0	6.0	3.814	6.0	9/28/2021	NA	10/16/2014
MW-4	bis(2-ethylhexyl)phthalate	3/8/2022	NT	6.0	3.814	6.0	9/28/2021	NA	10/16/2014
MW-4	bis(2-ethylhexyl)phthalate	8/30/2022	NT	6.0	3.814	6.0	9/28/2021	NA	10/16/2014
MW-4	bis(2-ethylhexyl)phthalate	3/7/2023	NT	6.0	3.814	6.0	9/28/2021	NA	10/16/2014
MW-4	bis(2-ethylhexyl)phthalate	9/11/2023	NT	6.0	3.814	6.0	9/28/2021	NA	10/16/2014
MW-4	bis(2-ethylhexyl)phthalate	3/20/2024	NT	6.0	3.814	6.0	9/28/2021	NA	10/16/2014
MW-4	bis(2-ethylhexyl)phthalate	9/12/2024	NT	6.0	3.814	6.0	9/28/2021	NA	10/16/2014
MW-4	bis(2-ethylhexyl)phthalate	3/3/2025	NT	6.0	3.814	6.0	9/28/2021	NA	10/16/2014
MW-4	bis(2-ethylhexyl)phthalate	9/25/2025	NT	6.0	3.814	6.0	9/28/2021	NA	10/16/2014

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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-4	chloroethane	10/16/2014	4.7	1.0	---	2800.0	10/16/2014	NA	10/16/2014
MW-4	chloroethane	4/4/2015	2.1	1.0	---	2800.0	10/16/2014	NA	10/16/2014
MW-4	chloroethane	10/1/2015	3.0	1.0	---	2800.0	10/16/2014	NA	10/16/2014
MW-4	chloroethane	4/4/2016	3.1	1.0	2.289	2800.0	10/16/2014	NA	10/16/2014
MW-4	chloroethane	9/20/2016	3.9	1.0	2.387	2800.0	10/16/2014	NA	10/16/2014
MW-4	chloroethane	4/24/2017	2.3	1.0	2.508	2800.0	10/16/2014	NA	10/16/2014
MW-4	chloroethane	10/9/2017	3.0	1.0	2.508	2800.0	10/16/2014	NA	10/16/2014
MW-4	chloroethane	3/21/2018	2.4	1.0	2.264	2800.0	10/16/2014	NA	10/16/2014
MW-4	chloroethane	9/7/2018	2.5	1.0	2.281	2800.0	10/16/2014	NA	10/16/2014
MW-4	chloroethane	4/2/2019	2.1	1.0	2.176	2800.0	10/16/2014	NA	10/16/2014
MW-4	chloroethane	9/18/2019	2.9	1.0	2.189	2800.0	10/16/2014	NA	10/16/2014
MW-4	chloroethane	3/25/2020	1.5	1.0	1.733	2800.0	10/16/2014	NA	10/16/2014
MW-4	chloroethane	9/15/2020	5.0	1.0	1.551	2800.0	10/16/2014	NA	10/16/2014
MW-4	chloroethane	3/8/2021	1.4	1.0	1.246	2800.0	10/16/2014	NA	10/16/2014
MW-4	chloroethane	9/28/2021	2.4	1.0	1.122	2800.0	10/16/2014	NA	10/16/2014
MW-4	chloroethane	3/8/2022	1.2	1.0	0.445	2800.0	10/16/2014	NA	10/16/2014
MW-4	chloroethane	8/30/2022	1.9	1.0	1.092	2800.0	10/16/2014	NA	10/16/2014
MW-4	chloroethane	3/7/2023	1.4	1.0	1.092	2800.0	10/16/2014	NA	10/16/2014
MW-4	chloroethane	9/11/2023	2.0	1.0	1.171	2800.0	10/16/2014	NA	10/16/2014
MW-4	chloroethane	3/20/2024	1.4	1.0	1.298	2800.0	10/16/2014	NA	10/16/2014
MW-4	chloroethane	9/12/2024	1.3	1.0	1.148	2800.0	10/16/2014	NA	10/16/2014
MW-4	chloroethane	3/3/2025	<1.0	1.0	0.575	2800.0	10/16/2014	NA	10/16/2014
MW-4	chloroethane	9/25/2025	2.2	1.0	0.532	2800.0	10/16/2014	NA	10/16/2014

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MW-4	cis-1,2-dichloroethylene	10/16/2014	2.2	1.0	---	70.0	10/16/2014	NA	10/16/2014
MW-4	cis-1,2-dichloroethylene	4/4/2015	<1.0	1.0	---	70.0	10/16/2014	NA	10/16/2014
MW-4	cis-1,2-dichloroethylene	10/1/2015	2.1	1.0	---	70.0	10/16/2014	NA	10/16/2014
MW-4	cis-1,2-dichloroethylene	4/4/2016	<1.0	1.0	0.499	70.0	10/16/2014	NA	10/16/2014
MW-4	cis-1,2-dichloroethylene	9/20/2016	1.4	1.0	0.453	70.0	10/16/2014	NA	10/16/2014
MW-4	cis-1,2-dichloroethylene	4/24/2017	<1.0	1.0	0.453	70.0	10/16/2014	NA	10/16/2014
MW-4	cis-1,2-dichloroethylene	10/9/2017	2.0	1.0	0.464	70.0	10/16/2014	NA	10/16/2014
MW-4	cis-1,2-dichloroethylene	3/21/2018	<1.0	1.0	0.464	70.0	10/16/2014	NA	10/16/2014
MW-4	cis-1,2-dichloroethylene	9/7/2018	<1.0	1.0	0.225	70.0	10/16/2014	NA	10/16/2014
MW-4	cis-1,2-dichloroethylene	4/2/2019	<1.0	1.0	0.225	70.0	10/16/2014	NA	10/16/2014
MW-4	cis-1,2-dichloroethylene	9/18/2019	3.2	1.0	0.006	70.0	10/16/2014	NA	10/16/2014
MW-4	cis-1,2-dichloroethylene	3/25/2020	<1.0	1.0	0.006	70.0	10/16/2014	NA	10/16/2014
MW-4	cis-1,2-dichloroethylene	9/15/2020	1.6	1.0	0.344	70.0	10/16/2014	NA	10/16/2014
MW-4	cis-1,2-dichloroethylene	3/8/2021	<1.0	1.0	0.344	70.0	10/16/2014	NA	10/16/2014
MW-4	cis-1,2-dichloroethylene	9/28/2021	2.1	1.0	0.477	70.0	10/16/2014	NA	10/16/2014
MW-4	cis-1,2-dichloroethylene	3/8/2022	<1.0	1.0	0.227	70.0	10/16/2014	NA	10/16/2014
MW-4	cis-1,2-dichloroethylene	8/30/2022	4.5	1.0	0.000	70.0	10/16/2014	NA	10/16/2014
MW-4	cis-1,2-dichloroethylene	3/7/2023	<1.0	1.0	0.000	70.0	10/16/2014	NA	10/16/2014
MW-4	cis-1,2-dichloroethylene	9/11/2023	2.7	1.0	0.000	70.0	10/16/2014	NA	10/16/2014
MW-4	cis-1,2-dichloroethylene	3/20/2024	<1.0	1.0	0.000	70.0	10/16/2014	NA	10/16/2014
MW-4	cis-1,2-dichloroethylene	9/12/2024	2.4	1.0	0.125	70.0	10/16/2014	NA	10/16/2014
MW-4	cis-1,2-dichloroethylene	3/3/2025	<1.0	1.0	0.125	70.0	10/16/2014	NA	10/16/2014
MW-4	cis-1,2-dichloroethylene	9/25/2025	1.7	1.0	0.170	70.0	10/16/2014	NA	10/16/2014

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MW-4	dichlorodifluoromethane	10/16/2014	3.7	1.0	---	1000.0	10/16/2014	NA	10/16/2014
MW-4	dichlorodifluoromethane	4/4/2015	1.1	1.0	---	1000.0	10/16/2014	NA	10/16/2014
MW-4	dichlorodifluoromethane	10/1/2015	<1.0	1.0	---	1000.0	10/16/2014	NA	10/16/2014
MW-4	dichlorodifluoromethane	4/4/2016	1.4	1.0	0.462	1000.0	10/16/2014	NA	10/16/2014
MW-4	dichlorodifluoromethane	9/20/2016	1.1	1.0	0.698	1000.0	10/16/2014	NA	10/16/2014
MW-4	dichlorodifluoromethane	4/24/2017	1.3	1.0	0.726	1000.0	10/16/2014	NA	10/16/2014
MW-4	dichlorodifluoromethane	10/9/2017	1.0	1.0	1.042	1000.0	10/16/2014	NA	10/16/2014
MW-4	dichlorodifluoromethane	3/21/2018	<1.0	1.0	0.680	1000.0	10/16/2014	NA	10/16/2014
MW-4	dichlorodifluoromethane	9/7/2018	<1.0	1.0	0.483	1000.0	10/16/2014	NA	10/16/2014
MW-4	dichlorodifluoromethane	4/2/2019	2.6	1.0	0.288	1000.0	10/16/2014	NA	10/16/2014
MW-4	dichlorodifluoromethane	9/18/2019	<1.0	1.0	0.116	1000.0	10/16/2014	NA	10/16/2014
MW-4	dichlorodifluoromethane	3/25/2020	1.1	1.0	0.317	1000.0	10/16/2014	NA	10/16/2014
MW-4	dichlorodifluoromethane	9/15/2020	<1.0	1.0	0.317	1000.0	10/16/2014	NA	10/16/2014
MW-4	dichlorodifluoromethane	3/8/2021	<1.0	1.0	0.390	1000.0	10/16/2014	NA	10/16/2014
MW-4	dichlorodifluoromethane	9/28/2021	<1.0	1.0	0.390	1000.0	10/16/2014	NA	10/16/2014
MW-4	dichlorodifluoromethane	3/8/2022	<1.0	1.0	0.500	1000.0	10/16/2014	NA	10/16/2014
MW-4	dichlorodifluoromethane	8/30/2022	NT	1.0	0.500	1000.0	10/16/2014	NA	10/16/2014
MW-4	dichlorodifluoromethane	3/7/2023	NT	1.0	0.500	1000.0	10/16/2014	NA	10/16/2014
MW-4	dichlorodifluoromethane	9/11/2023	NT	1.0	0.500	1000.0	10/16/2014	NA	10/16/2014
MW-4	dichlorodifluoromethane	3/20/2024	NT	1.0	0.500	1000.0	10/16/2014	NA	10/16/2014
MW-4	dichlorodifluoromethane	9/12/2024	NT	1.0	0.500	1000.0	10/16/2014	NA	10/16/2014
MW-4	dichlorodifluoromethane	3/3/2025	NT	1.0	0.500	1000.0	10/16/2014	NA	10/16/2014
MW-4	dichlorodifluoromethane	9/25/2025	NT	1.0	0.500	1000.0	10/16/2014	NA	10/16/2014

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MW-4	vinyl chloride	10/16/2014	4.9	1.0	---	2.0	10/16/2014	NA	10/16/2014
MW-4	vinyl chloride	4/4/2015	1.3	1.0	---	2.0	10/16/2014	NA	10/16/2014
MW-4	vinyl chloride	10/1/2015	2.3	1.0	---	2.0	10/16/2014	NA	10/16/2014
MW-4	vinyl chloride	4/4/2016	<1.0	1.0	0.592	2.0	10/16/2014	NA	10/16/2014
MW-4	vinyl chloride	9/20/2016	2.2	1.0	0.842	2.0	10/16/2014	NA	10/16/2014
MW-4	vinyl chloride	4/24/2017	<1.0	1.0	0.499	2.0	10/16/2014	NA	10/16/2014
MW-4	vinyl chloride	10/9/2017	1.8	1.0	0.487	2.0	10/16/2014	NA	10/16/2014
MW-4	vinyl chloride	3/21/2018	1.8	1.0	0.933	2.0	10/16/2014	NA	10/16/2014
MW-4	vinyl chloride	9/7/2018	1.9	1.0	0.921	2.0	10/16/2014	NA	10/16/2014
MW-4	vinyl chloride	4/2/2019	1.8	1.0	1.782	2.0	10/16/2014	NA	10/16/2014
MW-4	vinyl chloride	9/18/2019	1.8	1.0	1.782	2.0	10/16/2014	NA	10/16/2014
MW-4	vinyl chloride	3/25/2020	1.0	1.0	1.262	2.0	10/16/2014	NA	10/16/2014
MW-4	vinyl chloride	9/15/2020	3.3	1.0	1.143	2.0	10/16/2014	NA	10/16/2014
MW-4	vinyl chloride	3/8/2021	<1.0	1.0	0.591	2.0	10/16/2014	NA	10/16/2014
MW-4	vinyl chloride	9/28/2021	2.8	1.0	0.723	2.0	10/16/2014	NA	10/16/2014
MW-4	vinyl chloride	3/8/2022	<1.0	1.0	0.027	2.0	10/16/2014	NA	10/16/2014
MW-4	vinyl chloride	8/30/2022	1.8	1.0	0.087	2.0	10/16/2014	NA	10/16/2014
MW-4	vinyl chloride	3/7/2023	<1.0	1.0	0.087	2.0	10/16/2014	NA	10/16/2014
MW-4	vinyl chloride	9/11/2023	4.2	1.0	0.000	2.0	10/16/2014	NA	10/16/2014
MW-4	vinyl chloride	3/20/2024	<1.0	1.0	0.000	2.0	10/16/2014	NA	10/16/2014
MW-4	vinyl chloride	9/12/2024	<1.0	1.0	0.000	2.0	10/16/2014	NA	10/16/2014
MW-4	vinyl chloride	3/3/2025	<1.0	1.0	0.000	2.0	10/16/2014	NA	10/16/2014
MW-4	vinyl chloride	9/25/2025	2.0	1.0	0.000	2.0	10/16/2014	NA	10/16/2014

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

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KEY:	SSI	SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-5	Arsenic	10/16/2014	8.0	167.0	---	167.0	8/30/2022	NA	10/16/2014
MW-5	Arsenic	4/4/2015	4.3	167.0	---	167.0	8/30/2022	NA	10/16/2014
MW-5	Arsenic	10/1/2015	61.9	167.0	---	167.0	8/30/2022	NA	10/16/2014
MW-5	Arsenic	4/4/2016	11.9	167.0	0.000	167.0	8/30/2022	NA	10/16/2014
MW-5	Arsenic	9/20/2016	12.6	167.0	0.000	167.0	8/30/2022	NA	10/16/2014
MW-5	Arsenic	4/24/2017	17.4	167.0	5.087	167.0	8/30/2022	NA	10/16/2014
MW-5	Arsenic	10/9/2017	22.4	167.0	11.854	167.0	8/30/2022	NA	10/16/2014
MW-5	Arsenic	3/21/2018	<4.0	167.0	6.059	167.0	8/30/2022	NA	10/16/2014
MW-5	Arsenic	9/7/2018	10.1	167.0	5.276	167.0	8/30/2022	NA	10/16/2014
MW-5	Arsenic	4/2/2019	6.6	167.0	2.708	167.0	8/30/2022	NA	10/16/2014
MW-5	Arsenic	9/18/2019	18.7	167.0	3.235	167.0	8/30/2022	NA	10/16/2014
MW-5	Arsenic	3/25/2020	30.8	167.0	7.219	167.0	8/30/2022	NA	10/16/2014
MW-5	Arsenic	9/15/2020	41.9	167.0	11.304	167.0	8/30/2022	NA	10/16/2014
MW-5	Arsenic	3/8/2021	14.6	167.0	15.798	167.0	8/30/2022	NA	10/16/2014
MW-5	Arsenic	9/28/2021	76.7	167.0	18.217	167.0	8/30/2022	NA	10/16/2014
MW-5	Arsenic	3/8/2022	12.1	167.0	0.906	167.0	8/30/2022	NA	10/16/2014
MW-5	Arsenic	8/30/2022	412.0	167.0	0.000	167.0	8/30/2022	NA	10/16/2014
MW-5	Arsenic	3/7/2023	83.0	167.0	0.000	167.0	8/30/2022	NA	10/16/2014
MW-5	Arsenic	9/11/2023	71.1	167.0	0.000	167.0	8/30/2022	NA	10/16/2014
MW-5	Arsenic	3/20/2024	166.0	167.0	0.000	167.0	8/30/2022	NA	10/16/2014
MW-5	Arsenic	9/12/2024	9.7	167.0	6.818	167.0	8/30/2022	NA	10/16/2014
MW-5	Arsenic	3/3/2025	8.0	167.0	0.000	167.0	8/30/2022	NA	10/16/2014
MW-5	Arsenic	9/25/2025	10.8	167.0	0.000	167.0	8/30/2022	NA	10/16/2014

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MW-5	Copper	10/16/2014	4.0	31.3	---	1300.0	8/30/2022	NA	10/16/2014
MW-5	Copper	4/4/2015	<4.0	31.3	---	1300.0	8/30/2022	NA	10/16/2014
MW-5	Copper	10/1/2015	4.2	31.3	---	1300.0	8/30/2022	NA	10/16/2014
MW-5	Copper	4/4/2016	<4.0	31.3	1.998	1300.0	8/30/2022	NA	10/16/2014
MW-5	Copper	9/20/2016	7.7	31.3	1.644	1300.0	8/30/2022	NA	10/16/2014
MW-5	Copper	4/24/2017	<4.0	31.3	1.644	1300.0	8/30/2022	NA	10/16/2014
MW-5	Copper	10/9/2017	4.7	31.3	1.747	1300.0	8/30/2022	NA	10/16/2014
MW-5	Copper	3/21/2018	<4.0	31.3	1.747	1300.0	8/30/2022	NA	10/16/2014
MW-5	Copper	9/7/2018	<4.0	31.3	1.506	1300.0	8/30/2022	NA	10/16/2014
MW-5	Copper	4/2/2019	<4.0	31.3	1.506	1300.0	8/30/2022	NA	10/16/2014
MW-5	Copper	9/18/2019	<4.0	31.3	2.000	1300.0	8/30/2022	NA	10/16/2014
MW-5	Copper	3/25/2020	<4.0	31.3	2.000	1300.0	8/30/2022	NA	10/16/2014
MW-5	Copper	9/15/2020	4.4	31.3	1.561	1300.0	8/30/2022	NA	10/16/2014
MW-5	Copper	3/8/2021	<4.0	31.3	1.561	1300.0	8/30/2022	NA	10/16/2014
MW-5	Copper	9/28/2021	<4.0	31.3	1.561	1300.0	8/30/2022	NA	10/16/2014
MW-5	Copper	3/8/2022	5.0	31.3	1.494	1300.0	8/30/2022	NA	10/16/2014
MW-5	Copper	8/30/2022	45.5	31.3	0.000	1300.0	8/30/2022	NA	10/16/2014
MW-5	Copper	3/7/2023	9.2	31.3	0.000	1300.0	8/30/2022	NA	10/16/2014
MW-5	Copper	9/11/2023	9.6	10.0	0.000	1300.0	8/30/2022	NA	10/16/2014
MW-5	Copper	3/20/2024	26.8	10.0	2.509	1300.0	8/30/2022	NA	10/16/2014
MW-5	Copper	9/12/2024	7.3	10.0	2.514	1300.0	8/30/2022	NA	10/16/2014
MW-5	Copper	3/3/2025	<4.0	10.0	0.000	1300.0	8/30/2022	NA	10/16/2014
MW-5	Copper	9/25/2025	<5.0	10.0	0.000	1300.0	8/30/2022	NA	10/16/2014

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MW-5	bis(2-ethylhexyl)phthalate	10/16/2014	10.0	8.0	---	6.0	10/16/2014	NA	10/16/2014
MW-5	bis(2-ethylhexyl)phthalate	4/4/2015	NT	6.0	---	6.0	10/16/2014	NA	10/16/2014
MW-5	bis(2-ethylhexyl)phthalate	10/1/2015	NT	6.0	---	6.0	10/16/2014	NA	10/16/2014
MW-5	bis(2-ethylhexyl)phthalate	4/4/2016	NT	6.0	---	6.0	10/16/2014	NA	10/16/2014
MW-5	bis(2-ethylhexyl)phthalate	9/20/2016	NT	6.0	---	6.0	10/16/2014	NA	10/16/2014
MW-5	bis(2-ethylhexyl)phthalate	4/24/2017	NT	6.0	---	6.0	10/16/2014	NA	10/16/2014
MW-5	bis(2-ethylhexyl)phthalate	10/9/2017	NT	6.0	---	6.0	10/16/2014	NA	10/16/2014
MW-5	bis(2-ethylhexyl)phthalate	3/21/2018	NT	6.0	---	6.0	10/16/2014	NA	10/16/2014
MW-5	bis(2-ethylhexyl)phthalate	9/7/2018	NT	6.0	---	6.0	10/16/2014	NA	10/16/2014
MW-5	bis(2-ethylhexyl)phthalate	4/2/2019	NT	6.0	---	6.0	10/16/2014	NA	10/16/2014
MW-5	bis(2-ethylhexyl)phthalate	9/18/2019	NT	6.0	---	6.0	10/16/2014	NA	10/16/2014
MW-5	bis(2-ethylhexyl)phthalate	3/25/2020	8.0	6.0	1.309	6.0	10/16/2014	NA	10/16/2014
MW-5	bis(2-ethylhexyl)phthalate	9/15/2020	NT	6.0	1.309	6.0	10/16/2014	NA	10/16/2014
MW-5	bis(2-ethylhexyl)phthalate	3/8/2021	NT	6.0	1.309	6.0	10/16/2014	NA	10/16/2014
MW-5	bis(2-ethylhexyl)phthalate	9/28/2021	NT	6.0	1.309	6.0	10/16/2014	NA	10/16/2014
MW-5	bis(2-ethylhexyl)phthalate	3/8/2022	NT	6.0	1.309	6.0	10/16/2014	NA	10/16/2014
MW-5	bis(2-ethylhexyl)phthalate	8/30/2022	NT	6.0	1.309	6.0	10/16/2014	NA	10/16/2014
MW-5	bis(2-ethylhexyl)phthalate	3/7/2023	NT	6.0	1.309	6.0	10/16/2014	NA	10/16/2014
MW-5	bis(2-ethylhexyl)phthalate	9/11/2023	NT	6.0	1.309	6.0	10/16/2014	NA	10/16/2014
MW-5	bis(2-ethylhexyl)phthalate	3/20/2024	NT	6.0	1.309	6.0	10/16/2014	NA	10/16/2014
MW-5	bis(2-ethylhexyl)phthalate	9/12/2024	9.0	6.0	0.971	6.0	10/16/2014	NA	10/16/2014
MW-5	bis(2-ethylhexyl)phthalate	3/3/2025	<6.0	6.0	4.807	6.0	10/16/2014	NA	10/16/2014
MW-5	bis(2-ethylhexyl)phthalate	9/25/2025	NT	6.0	4.807	6.0	10/16/2014	NA	10/16/2014

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MW-5	chloroethane	10/16/2014	3.2	1.0	---	2800.0	10/16/2014	NA	10/16/2014
MW-5	chloroethane	4/4/2015	<1.0	1.0	---	2800.0	10/16/2014	NA	10/16/2014
MW-5	chloroethane	10/1/2015	2.0	1.0	---	2800.0	10/16/2014	NA	10/16/2014
MW-5	chloroethane	4/4/2016	2.7	1.0	1.083	2800.0	10/16/2014	NA	10/16/2014
MW-5	chloroethane	9/20/2016	<1.0	1.0	0.467	2800.0	10/16/2014	NA	10/16/2014
MW-5	chloroethane	4/24/2017	1.9	1.0	0.977	2800.0	10/16/2014	NA	10/16/2014
MW-5	chloroethane	10/9/2017	<1.0	1.0	0.457	2800.0	10/16/2014	NA	10/16/2014
MW-5	chloroethane	3/21/2018	<1.0	1.0	0.244	2800.0	10/16/2014	NA	10/16/2014
MW-5	chloroethane	9/7/2018	<1.0	1.0	0.244	2800.0	10/16/2014	NA	10/16/2014
MW-5	chloroethane	4/2/2019	1.0	1.0	0.408	2800.0	10/16/2014	NA	10/16/2014
MW-5	chloroethane	6/5/2019	1.3	1.0	0.483	2800.0	10/16/2014	NA	10/16/2014
MW-5	chloroethane	9/18/2019	2.0	1.0	0.657	2800.0	10/16/2014	NA	10/16/2014
MW-5	chloroethane	3/25/2020	2.0	1.0	1.137	2800.0	10/16/2014	NA	10/16/2014
MW-5	chloroethane	9/15/2020	1.9	1.0	1.508	2800.0	10/16/2014	NA	10/16/2014
MW-5	chloroethane	3/8/2021	1.8	1.0	1.842	2800.0	10/16/2014	NA	10/16/2014
MW-5	chloroethane	9/28/2021	<1.0	1.0	0.940	2800.0	10/16/2014	NA	10/16/2014
MW-5	chloroethane	3/8/2022	<1.0	1.0	0.257	2800.0	10/16/2014	NA	10/16/2014
MW-5	chloroethane	8/30/2022	2.7	1.0	0.110	2800.0	10/16/2014	NA	10/16/2014
MW-5	chloroethane	3/7/2023	<1.0	1.0	0.059	2800.0	10/16/2014	NA	10/16/2014
MW-5	chloroethane	9/11/2023	3.1	1.0	0.059	2800.0	10/16/2014	NA	10/16/2014
MW-5	chloroethane	3/20/2024	<1.0	1.0	0.059	2800.0	10/16/2014	NA	10/16/2014
MW-5	chloroethane	9/12/2024	<1.0	1.0	0.000	2800.0	10/16/2014	NA	10/16/2014
MW-5	chloroethane	3/3/2025	<1.0	1.0	0.000	2800.0	10/16/2014	NA	10/16/2014
MW-5	chloroethane	9/25/2025	2.9	1.0	0.000	2800.0	10/16/2014	NA	10/16/2014
MW-5	chloroethane	12/15/2025	<1.0	1.0	0.000	2800.0	10/16/2014	NA	10/16/2014

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MW-21	Barium	10/16/2014	354.0	1500.0	---	2000.0	3/25/2020	NA	10/16/2014
MW-21	Barium	4/4/2015	461.0	1500.0	---	2000.0	3/25/2020	NA	10/16/2014
MW-21	Barium	10/1/2015	451.0	1500.0	---	2000.0	3/25/2020	NA	10/16/2014
MW-21	Barium	4/4/2016	392.0	1500.0	370.736	2000.0	3/25/2020	NA	10/16/2014
MW-21	Barium	9/20/2016	630.0	1500.0	394.904	2000.0	3/25/2020	NA	10/16/2014
MW-21	Barium	4/24/2017	806.0	1500.0	407.623	2000.0	3/25/2020	NA	10/16/2014
MW-21	Barium	10/9/2017	472.0	1500.0	416.504	2000.0	3/25/2020	NA	10/16/2014
MW-21	Barium	3/21/2018	875.0	1500.0	538.689	2000.0	3/25/2020	NA	10/16/2014
MW-21	Barium	9/7/2018	598.0	1500.0	526.777	2000.0	3/25/2020	NA	10/16/2014
MW-21	Barium	4/2/2019	1420.0	1500.0	476.693	2000.0	3/25/2020	NA	10/16/2014
MW-21	Barium	9/18/2019	307.0	1500.0	389.550	2000.0	3/25/2020	NA	10/16/2014
MW-21	Barium	3/25/2020	1730.0	1500.0	224.556	2000.0	3/25/2020	NA	10/16/2014
MW-21	Barium	9/15/2020	469.0	1500.0	158.059	2000.0	3/25/2020	NA	10/16/2014
MW-21	Barium	3/8/2021	1020.0	1500.0	125.453	2000.0	3/25/2020	NA	10/16/2014
MW-21	Barium	9/28/2021	498.0	1500.0	234.263	2000.0	3/25/2020	NA	10/16/2014
MW-21	Barium	3/8/2022	803.0	4278.1	388.403	2000.0	3/25/2020	NA	10/16/2014
MW-21	Barium	8/30/2022	450.0	4179.8	377.044	2000.0	3/25/2020	NA	10/16/2014
MW-21	Barium	3/7/2023	1420.0	1322.7	267.618	2000.0	3/25/2020	NA	10/16/2014
MW-21	Barium	9/11/2023	465.0	1305.6	250.541	2000.0	3/25/2020	NA	10/16/2014
MW-21	Barium	3/20/2024	369.0	1290.3	256.069	2000.0	3/25/2020	NA	10/16/2014
MW-21	Barium	9/12/2024	517.0	1273.6	117.905	2000.0	3/25/2020	NA	10/16/2014
MW-21	Barium	3/3/2025	850.0	1260.0	304.376	2000.0	3/25/2020	NA	10/16/2014
MW-21	Barium	9/25/2025	557.0	1245.9	336.296	2000.0	3/25/2020	NA	10/16/2014

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MW-21	chloroethane	10/16/2014	1.4	1.0	---	2800.0	10/16/2014	NA	10/16/2014
MW-21	chloroethane	4/4/2015	1.1	1.0	---	2800.0	10/16/2014	NA	10/16/2014
MW-21	chloroethane	10/1/2015	1.7	1.0	---	2800.0	10/16/2014	NA	10/16/2014
MW-21	chloroethane	4/4/2016	2.4	1.0	1.168	2800.0	10/16/2014	NA	10/16/2014
MW-21	chloroethane	9/20/2016	1.4	1.0	1.168	2800.0	10/16/2014	NA	10/16/2014
MW-21	chloroethane	4/24/2017	2.6	1.0	1.533	2800.0	10/16/2014	NA	10/16/2014
MW-21	chloroethane	10/9/2017	1.0	1.0	1.181	2800.0	10/16/2014	NA	10/16/2014
MW-21	chloroethane	3/21/2018	<1.0	1.0	0.599	2800.0	10/16/2014	NA	10/16/2014
MW-21	chloroethane	9/7/2018	1.6	1.0	0.643	2800.0	10/16/2014	NA	10/16/2014
MW-21	chloroethane	4/2/2019	1.8	1.0	0.713	2800.0	10/16/2014	NA	10/16/2014
MW-21	chloroethane	9/18/2019	1.7	1.0	0.876	2800.0	10/16/2014	NA	10/16/2014
MW-21	chloroethane	3/25/2020	1.2	1.0	1.347	2800.0	10/16/2014	NA	10/16/2014
MW-21	chloroethane	9/15/2020	<1.0	1.0	0.785	2800.0	10/16/2014	NA	10/16/2014
MW-21	chloroethane	3/8/2021	1.3	1.0	0.743	2800.0	10/16/2014	NA	10/16/2014
MW-21	chloroethane	9/28/2021	<1.0	1.0	0.498	2800.0	10/16/2014	NA	10/16/2014
MW-21	chloroethane	3/8/2022	1.0	1.0	0.361	2800.0	10/16/2014	NA	10/16/2014
MW-21	chloroethane	8/30/2022	<1.0	1.0	0.361	2800.0	10/16/2014	NA	10/16/2014
MW-21	chloroethane	3/7/2023	1.4	1.0	0.337	2800.0	10/16/2014	NA	10/16/2014
MW-21	chloroethane	9/11/2023	<1.0	1.0	0.337	2800.0	10/16/2014	NA	10/16/2014
MW-21	chloroethane	3/20/2024	<1.0	1.0	0.196	2800.0	10/16/2014	NA	10/16/2014
MW-21	chloroethane	9/12/2024	<1.0	1.0	0.196	2800.0	10/16/2014	NA	10/16/2014
MW-21	chloroethane	3/3/2025	<1.0	1.0	0.500	2800.0	10/16/2014	NA	10/16/2014
MW-21	chloroethane	9/25/2025	<1.0	1.0	0.500	2800.0	10/16/2014	NA	10/16/2014

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
South Dallas County Sanitary Landfill
Permit No. 25-SDP-01-75P

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-22	benzene	10/16/2014	<1.0	1.0	---	5.0	4/4/2015	NA	10/16/2014
MW-22	benzene	4/4/2015	1.6	1.0	---	5.0	4/4/2015	NA	10/16/2014
MW-22	benzene	10/1/2015	<1.0	1.0	---	5.0	4/4/2015	NA	10/16/2014
MW-22	benzene	4/4/2016	<1.0	1.0	0.299	5.0	4/4/2015	NA	10/16/2014
MW-22	benzene	9/20/2016	<1.0	1.0	0.299	5.0	4/4/2015	NA	10/16/2014
MW-22	benzene	4/24/2017	1.7	1.0	0.280	5.0	4/4/2015	NA	10/16/2014
MW-22	benzene	10/9/2017	<1.0	1.0	0.280	5.0	4/4/2015	NA	10/16/2014
MW-22	benzene	3/21/2018	2.3	1.0	0.471	5.0	4/4/2015	NA	10/16/2014
MW-22	benzene	9/7/2018	1.5	1.0	0.852	5.0	4/4/2015	NA	10/16/2014
MW-22	benzene	4/2/2019	2.2	1.0	0.906	5.0	4/4/2015	NA	10/16/2014
MW-22	benzene	9/18/2019	2.3	1.0	1.741	5.0	4/4/2015	NA	10/16/2014
MW-22	benzene	3/25/2020	2.4	1.0	1.746	5.0	4/4/2015	NA	10/16/2014
MW-22	benzene	9/15/2020	1.5	1.0	1.746	5.0	4/4/2015	NA	10/16/2014
MW-22	benzene	3/8/2021	1.4	1.0	1.447	5.0	4/4/2015	NA	10/16/2014
MW-22	benzene	9/28/2021	<1.0	1.0	0.777	5.0	4/4/2015	NA	10/16/2014
MW-22	benzene	3/8/2022	1.0	1.0	0.880	5.0	4/4/2015	NA	10/16/2014
MW-22	benzene	8/30/2022	<1.0	1.0	0.565	5.0	4/4/2015	NA	10/16/2014
MW-22	benzene	3/7/2023	2.0	1.0	0.479	5.0	4/4/2015	NA	10/16/2014
MW-22	benzene	9/11/2023	<1.0	1.0	0.479	5.0	4/4/2015	NA	10/16/2014
MW-22	benzene	3/20/2024	<1.0	1.0	0.479	5.0	4/4/2015	NA	10/16/2014
MW-22	benzene	9/12/2024	<1.0	1.0	0.479	5.0	4/4/2015	NA	10/16/2014
MW-22	benzene	3/3/2025	<1.0	1.0	0.500	5.0	4/4/2015	NA	10/16/2014
MW-22	benzene	9/25/2025	1.5	1.0	0.162	5.0	4/4/2015	NA	10/16/2014

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Permit No. 25-SDP-01-75P

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-22	chloroethane	10/16/2014	1.0	1.0	---	2800.0	10/16/2014	NA	10/16/2014
MW-22	chloroethane	4/4/2015	1.1	1.0	---	2800.0	10/16/2014	NA	10/16/2014
MW-22	chloroethane	10/1/2015	<1.0	1.0	---	2800.0	10/16/2014	NA	10/16/2014
MW-22	chloroethane	4/4/2016	<1.0	1.0	0.498	2800.0	10/16/2014	NA	10/16/2014
MW-22	chloroethane	9/20/2016	<1.0	1.0	0.390	2800.0	10/16/2014	NA	10/16/2014
MW-22	chloroethane	4/24/2017	1.5	1.0	0.317	2800.0	10/16/2014	NA	10/16/2014
MW-22	chloroethane	10/9/2017	<1.0	1.0	0.317	2800.0	10/16/2014	NA	10/16/2014
MW-22	chloroethane	3/21/2018	<1.0	1.0	0.317	2800.0	10/16/2014	NA	10/16/2014
MW-22	chloroethane	9/7/2018	<1.0	1.0	0.317	2800.0	10/16/2014	NA	10/16/2014
MW-22	chloroethane	4/2/2019	<1.0	1.0	0.500	2800.0	10/16/2014	NA	10/16/2014
MW-22	chloroethane	9/18/2019	<1.0	1.0	0.500	2800.0	10/16/2014	NA	10/16/2014
MW-22	chloroethane	3/25/2020	<1.0	1.0	0.500	2800.0	10/16/2014	NA	10/16/2014
MW-22	chloroethane	9/15/2020	1.7	1.0	0.280	2800.0	10/16/2014	NA	10/16/2014
MW-22	chloroethane	3/8/2021	1.2	1.0	0.468	2800.0	10/16/2014	NA	10/16/2014
MW-22	chloroethane	9/28/2021	<1.0	1.0	0.468	2800.0	10/16/2014	NA	10/16/2014
MW-22	chloroethane	3/8/2022	<1.0	1.0	0.287	2800.0	10/16/2014	NA	10/16/2014
MW-22	chloroethane	8/30/2022	<1.0	1.0	0.287	2800.0	10/16/2014	NA	10/16/2014
MW-22	chloroethane	3/7/2023	<1.0	1.0	0.500	2800.0	10/16/2014	NA	10/16/2014
MW-22	chloroethane	9/11/2023	<1.0	1.0	0.500	2800.0	10/16/2014	NA	10/16/2014
MW-22	chloroethane	3/20/2024	<1.0	1.0	0.500	2800.0	10/16/2014	NA	10/16/2014
MW-22	chloroethane	9/12/2024	<1.0	1.0	0.500	2800.0	10/16/2014	NA	10/16/2014
MW-22	chloroethane	3/3/2025	<1.0	1.0	0.500	2800.0	10/16/2014	NA	10/16/2014
MW-22	chloroethane	9/25/2025	<1.0	1.0	0.500	2800.0	10/16/2014	NA	10/16/2014

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
South Dallas County Sanitary Landfill
Permit No. 25-SDP-01-75P

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-22	vinyl chloride	10/16/2014	<1.0	1.0	---	2.0	10/16/2014	NA	10/16/2014
MW-22	vinyl chloride	4/4/2015	1.6	1.0	---	2.0	10/16/2014	NA	10/16/2014
MW-22	vinyl chloride	10/1/2015	1.0	1.0	---	2.0	10/16/2014	NA	10/16/2014
MW-22	vinyl chloride	4/4/2016	<1.0	1.0	0.447	2.0	10/16/2014	NA	10/16/2014
MW-22	vinyl chloride	9/20/2016	<1.0	1.0	0.447	2.0	10/16/2014	NA	10/16/2014
MW-22	vinyl chloride	4/24/2017	2.9	1.0	0.237	2.0	10/16/2014	NA	10/16/2014
MW-22	vinyl chloride	10/9/2017	<1.0	1.0	0.061	2.0	10/16/2014	NA	10/16/2014
MW-22	vinyl chloride	3/21/2018	<1.0	1.0	0.061	2.0	10/16/2014	NA	10/16/2014
MW-22	vinyl chloride	9/7/2018	1.5	1.0	0.366	2.0	10/16/2014	NA	10/16/2014
MW-22	vinyl chloride	4/2/2019	1.4	1.0	0.499	2.0	10/16/2014	NA	10/16/2014
MW-22	vinyl chloride	9/18/2019	1.8	1.0	0.815	2.0	10/16/2014	NA	10/16/2014
MW-22	vinyl chloride	3/25/2020	1.8	1.0	1.446	2.0	10/16/2014	NA	10/16/2014
MW-22	vinyl chloride	9/15/2020	1.3	1.0	1.347	2.0	10/16/2014	NA	10/16/2014
MW-22	vinyl chloride	3/8/2021	1.1	1.0	1.192	2.0	10/16/2014	NA	10/16/2014
MW-22	vinyl chloride	9/28/2021	<1.0	1.0	0.709	2.0	10/16/2014	NA	10/16/2014
MW-22	vinyl chloride	3/8/2022	<1.0	1.0	0.542	2.0	10/16/2014	NA	10/16/2014
MW-22	vinyl chloride	8/30/2022	<1.0	1.0	0.365	2.0	10/16/2014	NA	10/16/2014
MW-22	vinyl chloride	3/7/2023	1.3	1.0	0.037	2.0	10/16/2014	NA	10/16/2014
MW-22	vinyl chloride	9/11/2023	<1.0	1.0	0.037	2.0	10/16/2014	NA	10/16/2014
MW-22	vinyl chloride	3/20/2024	<1.0	1.0	0.037	2.0	10/16/2014	NA	10/16/2014
MW-22	vinyl chloride	9/12/2024	<1.0	1.0	0.037	2.0	10/16/2014	NA	10/16/2014
MW-22	vinyl chloride	3/3/2025	<1.0	1.0	0.500	2.0	10/16/2014	NA	10/16/2014
MW-22	vinyl chloride	9/25/2025	<1.0	1.0	0.500	2.0	10/16/2014	NA	10/16/2014

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 GWD-1

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	6/14/2016	9/20/2016	11/8/2016	4/24/2017	10/9/2017
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	<4.0	5.4	<4.0	4.7	<4.0	4.6	5.7	5.6	5.0
Barium, total	ug/L	118.0	170.0	95.5	114.0		102.0		96.9	232.0
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	<1.0	<1.0	<1.0	<1.0		<1.0		<1.0	<1.0
Chloroform	ug/L	<1	<1	<1	<1		<1		<1	<1
Chloromethane	ug/L	<1	<1	<1	<1		<1		<1	<1
Chromium, total	ug/L	<8	<8	<8	<8		<8		<8	<8
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1		<1		<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1		<1		<1	<1
Cobalt, total	ug/L	<8	1.0	1.3	1.1		3.8		4.6	3.0
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0		<4.0		<4.0	<4.0
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	<4.0	<4.0	4.3	<4.0		8.3		11.3	9.8
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	<2	12	11	10		10		40	30
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	<1	<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	<1.0	<1.0	<1.0	<1.0		<1.0		<1.0	<1.0
Xylenes, total	ug/L	<2	<2	<2	<2		<2		<2	<2
Zinc, total	ug/L	<20	<8	<8	<8		<8		<8	<8

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

Table 9

Analytical Data Summary for GWD-1

Constituents	3/21/2018	6/11/2018	9/7/2018	4/2/2019	9/18/2019	3/25/2020	9/15/2020	12/2/2020	3/8/2021
1,1,1,2-tetrachloroethane	<1		<1	<1	<1	<1	<1		<1
1,1,1-trichloroethane	<1		<1	<1	<1	<1	<1		<1
1,1,2,2-tetrachloroethane	<1		<1	<1	<1	<1	<1		<1
1,1,2-trichloroethane	<1		<1	<1	<1	<1	<1		<1
1,1-dichloroethane	<1		<1	<1	<1	<1	<1		<1
1,1-dichloroethylene	<1		<1	<1	<1	<1	<1		<1
1,2,3-trichloropropane	<1		<1	<1	<1	<1	<1		<1
1,2-dibromo-3-chloropropane	<1		<1	<1	<1	<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)	<5		<5	<5	<5	<5	<5		<5
2-hexanone (mbk)	<5		<5	<5	<5	<5	<5		<5
4-methyl-2-pentanone (mibk)	<5		<5	<5	<5	<5	<5		<5
Acetone	<10		<10	<10	<10	<10	<10		<10
Acrylonitrile	<5		<5	<5	<5	<5	<5		<5
Antimony, total	<2		<2	<2	<2	<2	<2		<2
Arsenic, total	9.6	10.4	6.0	<4.0	5.6	5.3	7.0		10.2
Barium, total	205.0	254.0	148.0	112.0	139.0	123.0	136.0		148.0
Benzene	<1		<1	<1	<1	<1	<1		<1
Beryllium, total	<4		<4	<4	<4	<4	<4		<4
Bromochloromethane	<1		<1	<1	<1	<1	<1		<1
Bromodichloromethane	<1		<1	<1	<1	<1	<1		<1
Bromoform	<1		<1	<1	<1	<1	<1		<1
Bromomethane	<1		<1	<1	<1	<1	<1		<1
Cadmium, total	<.8		<.8	<.8	<.8	<.8	<.8		<.8
Carbon disulfide	<1		<1	<1	<1	<1	<1		<1
Carbon tetrachloride	<1		<1	<1	<1	<1	<1		<1
Chlorobenzene	<1		<1	<1	<1	<1	<1		<1
Chloroethane	<1.0		<1.0	<1.0	<1.0	<1.0	1.6	<1.0	<1.0
Chloroform	<1		<1	<1	<1	<1	<1		<1
Chloromethane	<1		<1	<1	<1	<1	<1		<1
Chromium, total	<8		<8	<8	<8	<8	<8		<8
Cis-1,2-dichloroethylene	<1		<1	<1	<1	<1	<1		<1
Cis-1,3-dichloropropene	<1		<1	<1	<1	<1	<1		<1
Cobalt, total	<2.0		1.1	1.7	1.0	3.7	3.2		2.9
Copper, total	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0		<4.0
Dibromochloromethane	<1		<1	<1	<1	<1	<1		<1
Dibromomethane	<1		<1	<1	<1	<1	<1		<1
Ethylbenzene	<1		<1	<1	<1	<1	<1		<1
Lead, total	<4		<4	<4	<4	<4	<4		<4
Methyl iodide	<1		<1	<1	<1	<1	<1		<1
Methylene chloride	<5		<5	<5	<5	<5	<5		<5
Nickel, total	<20.0		<4.0	5.9	<4.0	10.3	8.4		7.4
Selenium, total	<4		<4	<4	<4	<4	<4		<4
Silver, total	<4		<8	<4	<4	<4	<4		<4
Solids, total suspended									
Styrene	<1		<1	<1	<1	<1	<1		<1
Tetrachloroethylene	<1		<1	<1	<1	<1	<1		<1
Thallium, total	<4		<4	<2	<2	<2	<2		<2
Toluene	<1		<1	<1	<1	<1	<1		<1
Trans-1,2-dichloroethylene	<1		<1	<1	<1	<1	<1		<1
Trans-1,3-dichloropropene	<1		<1	<1	<1	<1	<1		<1
Trans-1,4-dichloro-2-butene	<5		<5	<5	<5	<5	<5		<5
Trichloroethylene	<1		<1	<1	<1	<1	<1		<1
Trichlorofluoromethane	<1		<1	<1	<1	<1	<1		<1
Vanadium, total	<20		<20	<20	<20	<20	<20		<20
Vinyl acetate	<5		<5	<5	<5	<5	<5		<5
Vinyl chloride	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0		<1.0
Xylenes, total	<2		<2	<2	<2	<2	<2		<2
Zinc, total	<8		<8	<8	<8	<20	<20		<20

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

Table 9

Analytical Data Summary for GWD-1

Constituents	9/28/2021	3/8/2022	8/30/2022	3/7/2023	5/9/2023	6/7/2023
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)	<5	<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	5.7	4.3	5.8	5.3		
Barium, total	136.0	182.0	252.0	199.0		
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	<1.0	<1.0	<1.0	<1.0		
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	.8	.5	.6		
Copper, total	<4.0	<4.0	11.3	<4.0		
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	<4.0	<4.0	<4.0	<4.0		
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	<1.0	<1.0	<1.0	1.3	1.5	1.2
Xylenes, total	<2	<2	<2	<2		
Zinc, total	<20	<20	<20	<20		

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

Table 9

Analytical Data Summary for MW-10

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	4/24/2017	3/21/2018	4/2/2019	3/25/2020
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	189	169	205	170	129	112	135	174
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	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	2.2	.9	<.8	1.6	<.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	5.0	<4.0	4.1	7.9	<4.0	<4.0	<4.0	<4.0
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	12	4	3	14	28			
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	<1	<4	<4	<4	<2	<2
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	<8.0	8.6	<8.0	<8.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-12

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	11/8/2016	4/24/2017	10/9/2017
(34) -methylphenol	ug/L					<8			
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1-dichloropropene	ug/L					<1			
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2,4,5-tetrachlorobenzene	ug/L					<8			
1,2,4-trichlorobenzene	ug/L					<1			
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dinitrobenzene	ug/L					<8			
1,3,5-trinitrobenzene	ug/L					<8			
1,3-dichlorobenzene	ug/L					<1			
1,3-dichloropropane	ug/L					<1			
1,3-dinitrobenzene	ug/L					<8			
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
1,4-naphthoquinone	ug/L					<8			
1,4-phenylenediamine	ug/L					<8			
1-naphthylamine	ug/L					<8			
2,2-dichloropropane	ug/L					<1			
2,3,4,6-tetrachlorophenol	ug/L					<8			
2,4,5-t	ug/L					<.5			
2,4,5-tp (silvex)	ug/L					<.5			
2,4,5-trichlorophenol	ug/L					<8			
2,4,6-trichlorophenol	ug/L					<8			
2,4-d	ug/L					<2			
2,4-dichlorophenol	ug/L					<8			
2,4-dimethylphenol	ug/L					<8			
2,4-dinitrophenol	ug/L					<8			
2,4-dinitrotoluene	ug/L					<8			
2,6-dichlorophenol	ug/L					<8			
2,6-dinitrotoluene	ug/L					<8			
2-acetylaminofluorene	ug/L					<8			
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5		<5	<5
2-chloronaphthalene	ug/L					<8			
2-chlorophenol	ug/L					<8			
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5		<5	<5
2-methylnaphthalene	ug/L					<8			
2-methylphenol	ug/L					<8			
2-naphthylamine	ug/L					<8			
2-nitroaniline	ug/L					<8			
2-nitrophenol	ug/L					<8			
3,3'-dichlorobenzidine	ug/L					<8			
3,3'-dimethylbenzidine	ug/L					<8			
3-methylcholanthrene	ug/L					<8			
3-nitroaniline	ug/L					<8			
4,4'-ddd	ug/L					<.05			
4,4'-dde	ug/L					<.05			
4,4'-ddt	ug/L					<.05			
4,6-dinitro-2-methylphenol	ug/L					<8			
4-aminobiphenyl	ug/L					<8			
4-bromophenyl phenyl ether	ug/L					<8			
4-chloro-3-methylphenol	ug/L					<8			
4-chloroaniline	ug/L					<8			
4-chlorophenyl phenyl ether	ug/L					<8			
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5		<5	<5
4-nitroaniline	ug/L					<8			
4-nitrophenol	ug/L					<8			
5-nitro-o-toluidine	ug/L					<8			
7,12-dimethylbenz(a)anthracene	ug/L					<8			
Acenaphthene	ug/L					<8			
Acenaphthylene	ug/L					<8			
Acetone	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	12.9
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-12

Constituents	3/21/2018	9/7/2018	4/2/2019	9/18/2019	3/25/2020	9/15/2020	12/2/2020	3/8/2021	9/28/2021
(34) -methylphenol									
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1		<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1		<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1		<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1		<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1		<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1		<1	<1
1,1-dichloropropene									
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1		<1	<1
1,2,4,5-tetrachlorobenzene									
1,2,4-trichlorobenzene									
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<5	<5		<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1		<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1		<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1		<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1		<1	<1
1,2-dinitrobenzene									
1,3,5-trinitrobenzene									
1,3-dichlorobenzene									
1,3-dichloropropane									
1,3-dinitrobenzene									
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1		<1	<1
1,4-naphthoquinone									
1,4-phenylenediamine									
1-naphthylamine									
2,2-dichloropropane									
2,3,4,6-tetrachlorophenol									
2,4,5-t									
2,4,5-tp (silvex)									
2,4,5-trichlorophenol									
2,4,6-trichlorophenol									
2,4-d									
2,4-dichlorophenol									
2,4-dimethylphenol									
2,4-dinitrophenol									
2,4-dinitrotoluene									
2,6-dichlorophenol									
2,6-dinitrotoluene									
2-acetylaminofluorene									
2-butanone (mek)	<5	<5	<5	<5	<5	<5		<5	<5
2-chloronaphthalene									
2-chlorophenol									
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5		<5	<5
2-methylnaphthalene									
2-methylphenol									
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-12

Constituents	3/8/2022	8/30/2022	3/7/2023	9/11/2023	3/20/2024	5/9/2024	9/12/2024	3/3/2025	9/25/2025
(34) -methylphenol									
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1		<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1		<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1		<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1		<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1		<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1		<1	<1	<1
1,1-dichloropropene									
1,2,3-trichloropropane	<1	<1	<1	<1	<1		<1	<1	<1
1,2,4,5-tetrachlorobenzene									
1,2,4-trichlorobenzene									
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5		<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1		<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1		<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1		<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1		<1	<1	<1
1,2-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)	<10	<10	<10	<10	<10		<10	<10	<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-12

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	11/8/2016	4/24/2017	10/9/2017
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	7.2	7.5	<4.0	5.4	4.9		5.3	<4.0
Azobenzene	ug/L					<8			
Barium, total	ug/L	342	319	512	414	313		375	392
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	<10				10	<10		
Bromochloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Butyl benzyl phthalate	ug/L					<8			
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8		<.8	.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1		<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1		<1	<1
Chlordane	ug/L					<1			
Chlorobenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
Chlorobenzilate	ug/L					<8			
Chloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0
Chloroform	ug/L	<1	<1	<1	<1	<1		<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Chloroprene	ug/L					<1			
Chromium, total	ug/L	<8	<8	<8	<8	<8		<8	<8
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	13.5	15.6	<.8	6.3	14.4		7.4	1.0
Copper, total	ug/L	<4.0	<4.0	<4.0	6.3	<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-12

Constituents	3/21/2018	9/7/2018	4/2/2019	9/18/2019	3/25/2020	9/15/2020	12/2/2020	3/8/2021	9/28/2021
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	12.7	<4.0	<4.0	11.5	<4.0	5.9		<4.0	13.7
Azobenzene									
Barium, total	548	420	289	492	369	374		361	332
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	1.6	<.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	<1.0	<1.0	<1.0	<1.0	<1.0	1.5	<1.0	<1.0	<1.0
Chloroform	<1	<1	<1	<1	<1	<1		<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1		<1	<1
Chloroprene									
Chromium, total	<8	<8	<8	<8	<8	<8		<8	<8
Chrysene									
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1		<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1		<1	<1
Cobalt, total	5.5	3.7	5.3	1.4	6.9	2.3		4.7	2.3
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0
Cyanide, total									
Delta-bhc									
Diallate									
Dibenzo(a,h)anthracene									
Dibenzofuran									
Dibromochloromethane	<1	<1	<1	<1	<1	<1		<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1		<1	<1
Dichlorodifluoromethane									
Dieldrin									
Diethyl phthalate									
Dimethoate									
Dimethylphthalate									
Di-n-butyl phthalate									
Di-n-octyl phthalate									
Dinoseb									
Diphenylamine									
Disulfoton									
Endosulfan i									
Endosulfan ii									
Endosulfan sulfate									
Endrin									
Endrin aldehyde									
Ethyl methacrylate									
Ethyl methanesulfonate									
Ethylbenzene	<1	<1	<1	<1	<1	<1		<1	<1
Famphur									
Fluoranthene									
Fluorene									
Gamma-bhc (lindane)									
Heptachlor									
Heptachlor epoxide									
Hexachlorobenzene									

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

Table 9

Analytical Data Summary for MW-12

Constituents	3/8/2022	8/30/2022	3/7/2023	9/11/2023	3/20/2024	5/9/2024	9/12/2024	3/3/2025	9/25/2025
Antimony, total	<2	<2	<2	<2	<2		<2	<2	<1
Arochlor 1016									
Arochlor 1221									
Arochlor 1232									
Arochlor 1242									
Arochlor 1248									
Arochlor 1254									
Arochlor 1260									
Arsenic, total	8.3	18.5	10.2	8.7	12.0	5.0	5.6	<4.0	6.0
Azobenzene									
Barium, total	382	311	450	285	324		310	267	339
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	<5
Beta-bhc									
Bis (2-chloroethoxy) methane									
Bis(2-chloroethyl) ether									
Bis(2-chloroisopropyl) ether									
Bis(2-ethylhexyl) phthalate									
Bromochloromethane	<1	<1	<1	<1	<1		<1	<1	<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	<.2
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	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	1.0
Chloroform	<1	<1	<1	<1	<1		<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1		<1	<1	<1
Chloroprene									
Chromium, total	<8	<8	<8	<8	<8		<8	<8	1
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	5.1	1.7	4.4	1.8	3.4		1.1	3.3	5.6
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0	<5.0
Cyanide, total									
Delta-bhc									
Diallate									
Dibenzo(a,h)anthracene									
Dibenzofuran									
Dibromochloromethane	<1	<1	<1	<1	<1		<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-12

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	11/8/2016	4/24/2017	10/9/2017
Hexachlorobutadiene	ug/L					<8			
Hexachlorocyclopentadiene	ug/L					<8			
Hexachloroethane	ug/L					<8			
Hexachloropropene	ug/L					<8			
Indeno(1,2,3-cd)pyrene	ug/L					<8			
Isobutanol	ug/L					<1000			
Isodrin	ug/L					<8			
Isophorone	ug/L					<8			
Isosafrole	ug/L					<8			
Kepone	ug/L					<8			
Lead, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Mercury, total	ug/L					<.5			
Methacrylonitrile	ug/L					<1			
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	15.7	18.4	<4.0	9.6	11.8		12.9	<4.0
Nitrobenzene	ug/L					<8			
N-nitrosodiethylamine	ug/L					<8			
N-nitrosodimethylamine	ug/L					<8			
N-nitrosodi-n-butylamine	ug/L					<8			
N-nitroso-di-n-propylamine	ug/L					<8			
N-nitrosodiphenylamine	ug/L					<8			
N-nitrosomethylethylamine	ug/L					<8			
N-nitrosopiperidine	ug/L					<8			
N-nitrosopyrrolidine	ug/L					<8			
O,o,o-triethyl phosphorothioate	ug/L					<.4			
O-toluidine	ug/L					<8			
Parathion	ug/L					<.4			
P-dimethylaminoazobenzene	ug/L					<8			
Pentachlorobenzene	ug/L					<8			
Pentachloronitrobenzene (pcnb)	ug/L					<8			
Pentachlorophenol	ug/L					<8			
Phenacetin	ug/L					<8			
Phenanthrene	ug/L					<8			
Phenol	ug/L					<8			
Phorate	ug/L					<.4			
Pronamide	ug/L					<8			
Propionitrile	ug/L					<10			
Pyrene	ug/L					<8			
Safrole	ug/L					<8			
Selenium, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Solids, total suspended	mg/L	62	41	79	47	59		100	87
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	<1.0	<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	<20.0	<8.0	<8.0	<8.0	<8.0		<8.0	<8.0

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

Table 9

Analytical Data Summary for MW-12

Constituents	3/21/2018	9/7/2018	4/2/2019	9/18/2019	3/25/2020	9/15/2020	12/2/2020	3/8/2021	9/28/2021
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno(1,2,3-cd)pyrene									
Isobutanol									
Isodrin									
Isophorone									
Isosafrole									
Kepone									
Lead, total	<4	<4	<4	<4	<4	<4		<4	<4
Mercury, total									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl iodide	<1	<1	<1	<1	<1	<1		<1	<1
Methyl methacrylate									
Methyl methanesulfonate									
Methyl parathion									
Methylene chloride	<5	<5	<5	<5	<5	<5		<5	<5
Naphthalene									
Nickel, total	<20.0	5.6	7.6	<4.0	10.5	4.8		7.5	4.5
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	<4	<4		<4	<4
Silver, total	<4	<4	<4	<4	<4	<4		<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1		<1	<1
Sulfide, total									
Tetrachloroethylene	<1	<1	<1	<1	<1	<1		<1	<1
Thallium, total	<4.0	<4.0	2.8	<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	98.8	<8.0	27.2	<20.0	<20.0		<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-12

Constituents	3/8/2022	8/30/2022	3/7/2023	9/11/2023	3/20/2024	5/9/2024	9/12/2024	3/3/2025	9/25/2025
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno(1,2,3-cd)pyrene									
Isobutanol									
Isodrin									
Isophorone									
Isosafrole									
Kepone									
Lead, total	<4	<4	<4	<4	<4		<4	<4	<1
Mercury, total									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl iodide	<1	<1	<1	<1	<1		<1	<1	<1
Methyl methacrylate									
Methyl methanesulfonate									
Methyl parathion									
Methylene chloride	<5	<5	<5	<5	<5		<5	<5	<5
Naphthalene									
Nickel, total	8.0	4.2	8.2	4.1	6.1		<4.0	6.4	9.1
Nitrobenzene									
N-nitrosodiethylamine									
N-nitrosodimethylamine									
N-nitrosodi-n-butylamine									
N-nitroso-di-n-propylamine									
N-nitrosodiphenylamine									
N-nitrosomethylethylamine									
N-nitrosopiperidine									
N-nitrosopyrrolidine									
O,o,o-triethyl phosphorothioate									
O-toluidine									
Parathion									
P-dimethylaminoazobenzene									
Pentachlorobenzene									
Pentachloronitrobenzene (pcnb)									
Pentachlorophenol									
Phenacetin									
Phenanthrene									
Phenol									
Phorate									
Pronamide									
Propionitrile									
Pyrene									
Safrole									
Selenium, total	<4	<4	<4	<4	<4		<4	<4	<2
Silver, total	<4	<4	<4	<4	<4		<4	<4	<5
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1		<1	<1	<1
Sulfide, total									
Tetrachloroethylene	<1	<1	<1	<1	<1		<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0		<2.0	<2.0	<.5
Thionazin									
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	<2
Vinyl acetate	<5	<5	<5	<5	<5		<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1		<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2		<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0		<20.0	<20.0	9.7

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

Table 9

Analytical Data Summary for MW-15R

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	4/24/2017	10/9/2017	3/21/2018	9/7/2018
(34) -methylphenol	ug/L				<8					
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L				<1					
1,2,3-trichloropropane	ug/L	<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	<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
1,2-dinitrobenzene	ug/L				<8					
1,3,5-trinitrobenzene	ug/L				<8					
1,3-dichlorobenzene	ug/L				<1					
1,3-dichloropropane	ug/L				<1					
1,3-dinitrobenzene	ug/L				<8					
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
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	<5
2-chloronaphthalene	ug/L				<8					
2-chlorophenol	ug/L				<8					
2-hexanone (mbk)	ug/L	<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
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	10.4	<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	<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-15R

Constituents	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	9/28/2021	3/8/2022	8/30/2022	3/7/2023
(34) -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	<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
1,2-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	<10	<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	<10.0	<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	<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-15R

Constituents	9/11/2023	3/20/2024	9/12/2024	3/3/2025	9/25/2025
(34) -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	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1
1,1-dichloropropene					
1,2,3-trichloropropane	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene					
1,2,4-trichlorobenzene					
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1
1,2-dinitrobenzene					
1,3,5-trinitrobenzene					
1,3-dichlorobenzene					
1,3-dichloropropane					
1,3-dinitrobenzene					
1,4-dichlorobenzene	<1	<1	<1	<1	<1
1,4-naphthoquinone					
1,4-phenylenediamine					
1-naphthylamine					
2,2-dichloropropane					
2,3,4,6-tetrachlorophenol					
2,4,5-t					
2,4,5-tp (silvex)					
2,4,5-trichlorophenol					
2,4,6-trichlorophenol					
2,4-d					
2,4-dichlorophenol					
2,4-dimethylphenol					
2,4-dinitrophenol					
2,4-dinitrotoluene					
2,6-dichlorophenol					
2,6-dinitrotoluene					
2-acetylaminofluorene					
2-butanone (mek)	<10	<10	<10	<10	<10
2-chloronaphthalene					
2-chlorophenol					
2-hexanone (mbk)	<5	<5	<5	<5	<5
2-methylnaphthalene					
2-methylphenol					
2-naphthylamine					
2-nitroaniline					
2-nitrophenol					
3,3'-dichlorobenzidine					
3,3'-dimethylbenzidine					
3-methylcholanthrene					
3-nitroaniline					
4,4'-ddd					
4,4'-dde					
4,4'-ddt					
4,6-dinitro-2-methylphenol					
4-aminobiphenyl					
4-bromophenyl phenyl ether					
4-chloro-3-methylphenol					
4-chloroaniline					
4-chlorophenyl phenyl ether					
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5
4-nitroaniline					
4-nitrophenol					
5-nitro-o-toluidine					
7,12-dimethylbenz(a)anthracene					
Acenaphthene					
Acenaphthylene					
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0
Acetonitrile					
Acetophenone					
Acrolein					
Acrylonitrile	<5	<5	<5	<5	<5
Aldrin					
Allyl chloride					
Alpha-bhc					
Anthracene					

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

Table 9

Analytical Data Summary for MW-15R

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	4/24/2017	10/9/2017	3/21/2018	9/7/2018
Antimony, total	ug/L	<2	<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	36.6	44.5	29.0	41.1	24.2	28.3	20.6	21.5	23.9
Azobenzene	ug/L				<8					
Barium, total	ug/L	645	552	436	461	543	469	461	466	471
Benzene	ug/L	<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	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L				<.05					
Bis (2-chloroethoxy) methane	ug/L				<8					
Bis(2-chloroethyl) ether	ug/L				<8					
Bis(2-chloroisopropyl) ether	ug/L				<8					
Bis(2-ethylhexyl) phthalate	ug/L				<8					
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L				<8					
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
Chlordane	ug/L				<.1					
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L				<8					
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	2	<1	<1
Chloroprene	ug/L				<1					
Chromium, total	ug/L	13.7	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene	ug/L				<8					
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	6.5	4.4	3.7	3.8	3.0	2.6	3.8	2.6	3.3
Copper, total	ug/L	14.2	8.5	<4.0	4.7	5.5	<4.0	<4.0	<4.0	<4.0
Cyanide, total	mg/L				<.005					
Delta-bhc	ug/L				<.05					
Diallate	ug/L				<8					
Dibenzo(a,h)anthracene	ug/L				<8					
Dibenzofuran	ug/L				<8					
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<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
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-15R

Constituents	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	9/28/2021	3/8/2022	8/30/2022	3/7/2023
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016									
Arochlor 1221									
Arochlor 1232									
Arochlor 1242									
Arochlor 1248									
Arochlor 1254									
Arochlor 1260									
Arsenic, total	19.0	22.7	31.3	29.6	35.0	25.2	18.4	19.7	21.5
Azobenzene									
Barium, total	405	476	606	505	575	474	384	384	393
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene									
Benzo(a)pyrene									
Benzo(b)fluoranthene									
Benzo(g,h,i)perylene									
Benzo(k)fluoranthene									
Benzyl alcohol									
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc									
Bis (2-chloroethoxy) methane									
Bis(2-chloroethyl) ether									
Bis(2-chloroisopropyl) ether									
Bis(2-ethylhexyl) phthalate									
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate									
Cadmium, total	<.8	<.8	<.8	<.8	.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane									
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate									
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene									
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene									
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	2.9	4.2	3.4	5.8	2.9	3.1	2.7	3.3	1.8
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total									
Delta-bhc									
Diallate									
Dibenzo(a,h)anthracene									
Dibenzofuran									
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane									
Dieldrin									
Diethyl phthalate									
Dimethoate									
Dimethylphthalate									
Di-n-butyl phthalate									
Di-n-octyl phthalate									
Dinoseb									
Diphenylamine									
Disulfoton									
Endosulfan i									
Endosulfan ii									
Endosulfan sulfate									
Endrin									
Endrin aldehyde									
Ethyl methacrylate									
Ethyl methanesulfonate									
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur									
Fluoranthene									
Fluorene									
Gamma-bhc (lindane)									
Heptachlor									
Heptachlor epoxide									
Hexachlorobenzene									

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

Table 9

Analytical Data Summary for MW-15R

Constituents	9/11/2023	3/20/2024	9/12/2024	3/3/2025	9/25/2025
Antimony, total	<2	<2	<2	<2	<1
Arochlor 1016					
Arochlor 1221					
Arochlor 1232					
Arochlor 1242					
Arochlor 1248					
Arochlor 1254					
Arochlor 1260					
Arsenic, total	20.1	13.3	17.3	14.0	20.6
Azobenzene					
Barium, total	354	318	332	343	435
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	<4.0	<4.0	<4.0	<4.0	<5
Beta-bhc					
Bis (2-chloroethoxy) methane					
Bis(2-chloroethyl) ether					
Bis(2-chloroisopropyl) ether					
Bis(2-ethylhexyl) phthalate					
Bromochloromethane	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1
Butyl benzyl phthalate					
Cadmium, total	<.8	<.8	<.8	<.8	.2
Carbon disulfide	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1
Chlordane					
Chlorobenzene	<1	<1	<1	<1	<1
Chlorobenzilate					
Chloroethane	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1
Chloroprene					
Chromium, total	<8.0	<8.0	<8.0	<8.0	<1.0
Chrysene					
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1
Cobalt, total	3.8	2.2	3.3	2.6	4.1
Copper, total	<4.0	<4.0	<4.0	<4.0	<5.0
Cyanide, total					
Delta-bhc					
Diallate					
Dibenzo(a,h)anthracene					
Dibenzofuran					
Dibromochloromethane	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1
Dichlorodifluoromethane					
Dieldrin					
Diethyl phthalate					
Dimethoate					
Dimethylphthalate					
Di-n-butyl phthalate					
Di-n-octyl phthalate					
Dinoseb					
Diphenylamine					
Disulfoton					
Endosulfan i					
Endosulfan ii					
Endosulfan sulfate					
Endrin					
Endrin aldehyde					
Ethyl methacrylate					
Ethyl methanesulfonate					
Ethylbenzene	<1	<1	<1	<1	<1
Famphur					
Fluoranthene					
Fluorene					
Gamma-bhc (lindane)					
Heptachlor					
Heptachlor epoxide					
Hexachlorobenzene					

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

Table 9

Analytical Data Summary for MW-15R

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	4/24/2017	10/9/2017	3/21/2018	9/7/2018
Hexachlorobutadiene	ug/L				<8					
Hexachlorocyclopentadiene	ug/L				<8					
Hexachloroethane	ug/L				<8					
Hexachloropropene	ug/L				<8					
Indeno(1,2,3-cd)pyrene	ug/L				<8					
Isobutanol	ug/L				<1000					
Isodrin	ug/L				<8					
Isophorone	ug/L				<8					
Isosafrole	ug/L				<8					
Kepone	ug/L				<8					
Lead, total	ug/L	10.0	6.5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Mercury, total	ug/L				<.5					
Methacrylonitrile	ug/L				<1					
Methapyrilene	ug/L				<8					
Methoxychlor	ug/L				<.05					
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<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
Naphthalene	ug/L				<8					
Nickel, total	ug/L	15.0	10.5	4.5	5.2	<4.0	<4.0	4.1	<20.0	4.3
Nitrobenzene	ug/L				<8					
N-nitrosodiethylamine	ug/L				<8					
N-nitrosodimethylamine	ug/L				<8					
N-nitrosodi-n-butylamine	ug/L				<8					
N-nitroso-di-n-propylamine	ug/L				<8					
N-nitrosodiphenylamine	ug/L				<8					
N-nitrosomethylethylamine	ug/L				<8					
N-nitrosopiperidine	ug/L				<8					
N-nitrosopyrrolidine	ug/L				<8					
O,o,o-triethyl phosphorothioate	ug/L				<.4					
O-toluidine	ug/L				<8					
Parathion	ug/L				<.4					
P-dimethylaminoazobenzene	ug/L				<8					
Pentachlorobenzene	ug/L				<8					
Pentachloronitrobenzene (pcnb)	ug/L				<8					
Pentachlorophenol	ug/L				<8					
Phenacetin	ug/L				<8					
Phenanthrene	ug/L				<8					
Phenol	ug/L				<8					
Phorate	ug/L				<.4					
Pronamide	ug/L				<8					
Propionitrile	ug/L				<40					
Pyrene	ug/L				<8					
Safrole	ug/L				<8					
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	748	380	89	274	293	308	1050		
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L				.14					
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Thionazin	ug/L				<.4					
Tin, total	ug/L				<20					
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L				<.2					
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	27.9	<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	38.1	29.4	<8.0	<8.0	14.1	<8.0	<8.0	<8.0	91.2

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

Table 9

Analytical Data Summary for MW-15R

Constituents	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	9/28/2021	3/8/2022	8/30/2022	3/7/2023
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno(1,2,3-cd)pyrene									
Isobutanol									
Isodrin									
Isophorone									
Isosafrole									
Kepone									
Lead, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Mercury, total									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate									
Methyl methanesulfonate									
Methyl parathion									
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene									
Nickel, total	<4.0	4.5	4.0	6.1	<4.0	<4.0	<4.0	4.2	<4.0
Nitrobenzene									
N-nitrosodiethylamine									
N-nitrosodimethylamine									
N-nitrosodi-n-butylamine									
N-nitroso-di-n-propylamine									
N-nitrosodiphenylamine									
N-nitrosomethylethylamine									
N-nitrosopiperidine									
N-nitrosopyrrolidine									
O,o,o-triethyl phosphorothioate									
O-toluidine									
Parathion									
P-dimethylaminoazobenzene									
Pentachlorobenzene									
Pentachloronitrobenzene (pcnb)									
Pentachlorophenol									
Phenacetin									
Phenanthrene									
Phenol									
Phorate									
Pronamide									
Propionitrile									
Pyrene									
Safrole									
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total									
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	2.4	<2.0	<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	<20.0	<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	13.7	22.4	<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-15R

Constituents	9/11/2023	3/20/2024	9/12/2024	3/3/2025	9/25/2025
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	<1.0
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	4.2	<4.0	4.1	<4.0	5.5
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	<2
Silver, total	<4	<4	<4	<4	<5
Solids, total suspended					
Styrene	<1	<1	<1	<1	<1
Sulfide, total					
Tetrachloroethylene	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<.5
Thionazin					
Tin, total					
Toluene	<1	<1	<1	<1	<1
Toxaphene					
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1
Vanadium, total	<20.0	<20.0	<20.0	<20.0	<2.0
Vinyl acetate	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<5.0

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

Table 9

Analytical Data Summary for MW-16

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	4/24/2017	10/9/2017	3/21/2018	9/7/2018
(34) -methylphenol	ug/L					<8				
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L					<1				
1,2,3-trichloropropane	ug/L	<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	<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
1,2-dinitrobenzene	ug/L					<8				
1,3,5-trinitrobenzene	ug/L					<8				
1,3-dichlorobenzene	ug/L					<1				
1,3-dichloropropane	ug/L					<1				
1,3-dinitrobenzene	ug/L					<8				
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
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	<5
2-chloronaphthalene	ug/L					<8				
2-chlorophenol	ug/L					<8				
2-hexanone (mbk)	ug/L	<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
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	124.0	14.1	13.1	<10.0	26.8	134.0	17.0	24.5	72.3
Acetonitrile	ug/L					<10				
Acetophenone	ug/L					<8				
Acrolein	ug/L					<10				
Acrylonitrile	ug/L	<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 9

Analytical Data Summary for MW-16

Constituents	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021
(34) -methylphenol					
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<5
1,1,1-trichloroethane	<1	<1	<1	<1	<5
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<5
1,1,2-trichloroethane	<1	<1	<1	<1	<5
1,1-dichloroethane	<1	<1	<1	<1	<5
1,1-dichloroethylene	<1	<1	<1	<1	<5
1,1-dichloropropene					
1,2,3-trichloropropane	<1	<1	<1	<1	<5
1,2,4,5-tetrachlorobenzene					
1,2,4-trichlorobenzene					
1,2-dibromo-3-chloropropane	<1	<1	<5	<5	<25
1,2-dibromoethane	<1	<1	<1	<1	<5
1,2-dichlorobenzene	<1	<1	<1	<1	<5
1,2-dichloroethane	<1	<1	<1	<1	<5
1,2-dichloropropane	<1	<1	<1	<1	<5
1,2-dinitrobenzene					
1,3,5-trinitrobenzene					
1,3-dichlorobenzene					
1,3-dichloropropane					
1,3-dinitrobenzene					
1,4-dichlorobenzene	<1	<1	<1	<1	<5
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	35	<5	<5	<25
2-chloronaphthalene					
2-chlorophenol					
2-hexanone (mbk)	<5	<5	<5	<5	<25
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	<25
4-nitroaniline					
4-nitrophenol					
5-nitro-o-toluidine					
7,12-dimethylbenz(a)anthracene					
Acenaphthene					
Acenaphthylene					
Acetone	34.2	196.0	51.2	109.0	1140.0
Acetonitrile					
Acetophenone					
Acrolein					
Acrylonitrile	<5	<5	<5	<5	<25
Aldrin					
Allyl chloride					
Alpha-bhc					
Anthracene					

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

Table 9

Analytical Data Summary for MW-16

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	4/24/2017	10/9/2017	3/21/2018	9/7/2018
Antimony, total	ug/L	<2	<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	29.7	<4.0	26.1	34.2	27.4	32.5	17.1	29.5	25.8
Azobenzene	ug/L					<8				
Barium, total	ug/L	927	609	751	807	750	912	785	765	683
Benzene	ug/L	<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	<4	<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					<8				
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L					<8				
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	.9	<.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
Chlordane	ug/L					<1				
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L					<8				
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	2.3	<1.0	<1.0
Chloroprene	ug/L					<1				
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	11.8	<8.0	<8.0	<8.0
Chrysene	ug/L					<8				
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	2.8	1.6	1.3	3.7	9.5	16.3	1.9	2.4	2.7
Copper, total	ug/L	4.1	<4.0	<4.0	7.7	13.7	24.2	<4.0	<4.0	4.8
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	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	<1	<1	<1	1	<1	<1	<1	<1	<1
Dieldrin	ug/L					<.05				
Diethyl phthalate	ug/L					<8				
Dimethoate	ug/L					<.4				
Dimethylphthalate	ug/L					<8				
Di-n-butyl phthalate	ug/L					<8				
Di-n-octyl phthalate	ug/L					<8				
Dinoseb	ug/L					<.5				
Diphenylamine	ug/L					<8				
Disulfoton	ug/L					<.4				
Endosulfan i	ug/L					<.05				
Endosulfan ii	ug/L					<.05				
Endosulfan sulfate	ug/L					<.05				
Endrin	ug/L					<.05				
Endrin aldehyde	ug/L					<.05				
Ethyl methacrylate	ug/L					<10				
Ethyl methanesulfonate	ug/L					<8				
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<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-16

Constituents	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021
Antimony, total	<2	<2	<2	<2	<2
Arochlor 1016					
Arochlor 1221					
Arochlor 1232					
Arochlor 1242					
Arochlor 1248					
Arochlor 1254					
Arochlor 1260					
Arsenic, total	16.0	30.0	27.1	47.2	82.7
Azobenzene					
Barium, total	705	944	900	844	1520
Benzene	<1	<1	<1	<1	<5
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	<4
Beta-bhc					
Bis (2-chloroethoxy) methane					
Bis(2-chloroethyl) ether					
Bis(2-chloroisopropyl) ether					
Bis(2-ethylhexyl) phthalate					
Bromochloromethane	<1	<1	<1	<1	<5
Bromodichloromethane	<1	<1	<1	<1	<5
Bromoform	<1	<1	<1	<1	<5
Bromomethane	<1	<1	<1	<1	<5
Butyl benzyl phthalate					
Cadmium, total	<.8	1.5	<.8	1.1	3.3
Carbon disulfide	<1	<1	<1	<1	<5
Carbon tetrachloride	<1	<1	<1	<1	<5
Chlordane					
Chlorobenzene	<1	<1	<1	<1	<5
Chlorobenzilate					
Chloroethane	<1	<1	<1	<1	<5
Chloroform	<1	<1	<1	<1	<5
Chloromethane	<1.0	<1.0	<1.0	<1.0	<5.0
Chloroprene					
Chromium, total	<8.0	10.3	<8.0	19.5	52.3
Chrysene					
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<5
Cis-1,3-dichloropropene	<1	<1	<1	<1	<5
Cobalt, total	5.0	7.0	3.1	14.2	36.1
Copper, total	<4.0	16.4	6.8	50.8	130.0
Cyanide, total					
Delta-bhc					
Diallate					
Dibenzo(a,h)anthracene					
Dibenzofuran					
Dibromochloromethane	<1	<1	<1	<1	<5
Dibromomethane	<1	<1	<1	<1	<5
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	<5
Famphur					
Fluoranthene					
Fluorene					
Gamma-bhc (lindane)					
Heptachlor					
Heptachlor epoxide					
Hexachlorobenzene					

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

Table 9

Analytical Data Summary for MW-16

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	4/24/2017	10/9/2017	3/21/2018	9/7/2018
Hexachlorobutadiene	ug/L					<8				
Hexachlorocyclopentadiene	ug/L					<8				
Hexachloroethane	ug/L					<8				
Hexachloropropene	ug/L					<8				
Indeno(1,2,3-cd)pyrene	ug/L					<8				
Isobutanol	ug/L					<1000				
Isodrin	ug/L					<8				
Isophorone	ug/L					<8				
Isosafrole	ug/L					<8				
Kepone	ug/L					<8				
Lead, total	ug/L	<4.0	<4.0	<4.0	<4.0	4.8	10.8	<4.0	<4.0	<4.0
Mercury, total	ug/L					<.5				
Methacrylonitrile	ug/L					<1				
Methapyrilene	ug/L					<8				
Methoxychlor	ug/L					<.05				
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<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
Naphthalene	ug/L					<8				
Nickel, total	ug/L	7.4	<4.0	<4.0	11.1	21.8	46.8	5.8	<20.0	7.5
Nitrobenzene	ug/L					<8				
N-nitrosodiethylamine	ug/L					<8				
N-nitrosodimethylamine	ug/L					<8				
N-nitrosodi-n-butylamine	ug/L					<8				
N-nitroso-di-n-propylamine	ug/L					<8				
N-nitrosodiphenylamine	ug/L					<8				
N-nitrosomethylethylamine	ug/L					<8				
N-nitrosopiperidine	ug/L					<8				
N-nitrosopyrrolidine	ug/L					<8				
O,o,o-triethyl phosphorothioate	ug/L					<4				
O-toluidine	ug/L					<8				
Parathion	ug/L					<4				
P-dimethylaminoazobenzene	ug/L					<8				
Pentachlorobenzene	ug/L					<8				
Pentachloronitrobenzene (pcnb)	ug/L					<8				
Pentachlorophenol	ug/L					<8				
Phenacetin	ug/L					<8				
Phenanthrene	ug/L					<8				
Phenol	ug/L					<8				
Phorate	ug/L					<4				
Pronamide	ug/L					<8				
Propionitrile	ug/L					<10				
Pyrene	ug/L					<8				
Safrole	ug/L					<8				
Selenium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	232	90	160	200	192	1120	2140		
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L					<1				
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4	<4	<1	<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	<1
Toxaphene	ug/L					<2				
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20.0	<20.0	<20.0	<20.0	<20.0	28.0	<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	<20.0	13.1	11.4	22.6	35.8	56.5	13.4	<8.0	129.0

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

Table 9

Analytical Data Summary for MW-16

Constituents	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021
Hexachlorobutadiene					
Hexachlorocyclopentadiene					
Hexachloroethane					
Hexachloropropene					
Indeno(1,2,3-cd)pyrene					
Isobutanol					
Isodrin					
Isophorone					
Isosafrole					
Kepone					
Lead, total	<4.0	8.5	<4.0	24.2	81.9
Mercury, total					
Methacrylonitrile					
Methapyrilene					
Methoxychlor					
Methyl iodide	<1	<1	<1	<1	<5
Methyl methacrylate					
Methyl methanesulfonate					
Methyl parathion					
Methylene chloride	<5	<5	<5	<5	<25
Naphthalene					
Nickel, total	11.2	26.4	12.1	50.1	120.0
Nitrobenzene					
N-nitrosodiethylamine					
N-nitrosodimethylamine					
N-nitrosodi-n-butylamine					
N-nitroso-di-n-propylamine					
N-nitrosodiphenylamine					
N-nitrosomethylethylamine					
N-nitrosopiperidine					
N-nitrosopyrrolidine					
O,o,o-triethyl phosphorothioate					
O-toluidine					
Parathion					
P-dimethylaminoazobenzene					
Pentachlorobenzene					
Pentachloronitrobenzene (pcnb)					
Pentachlorophenol					
Phenacetin					
Phenanthrene					
Phenol					
Phorate					
Pronamide					
Propionitrile					
Pyrene					
Safrole					
Selenium, total	<4.0	<4.0	<4.0	<4.0	11.1
Silver, total	<4	<4	<4	<4	<4
Solids, total suspended					
Styrene	<1	<1	<1	<1	<5
Sulfide, total					
Tetrachloroethylene	<1	<1	<1	<1	<5
Thallium, total	<2	<2	<2	<2	<2
Thionazin					
Tin, total					
Toluene	<1	<1	<1	<1	<5
Toxaphene					
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<5
Trans-1,3-dichloropropene	<1	<1	<1	<1	<5
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<25
Trichloroethylene	<1	<1	<1	<1	<5
Trichlorofluoromethane	<1	<1	<1	<1	<5
Vanadium, total	<20.0	38.8	<20.0	55.5	166.0
Vinyl acetate	<5	<5	<5	<5	<25
Vinyl chloride	<1	<1	<1	<1	<5
Xylenes, total	<2	<2	<2	<2	<10
Zinc, total	15.7	119.0	28.1	94.4	239.0

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

Table 9

Analytical Data Summary for MW-17

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	4/24/2017	10/9/2017	3/21/2018	9/7/2018
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<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	5.0	<4.0
Barium, total	ug/L	173	185	142	143	174	172	182	233	131
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<.8	<.8	<.8	1.0	<.8	.9	<.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	8.1	9.7	7.0	4.6	4.3	5.2	6.9	23.0	8.6
Copper, total	ug/L	4.6	<4.0	<4.0	<4.0	<4.0	<4.0	5.3	4.3	<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	9.9	7.8	13.7	4.7	<4.0	6.3	8.0	<20.0	7.2
Selenium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	46	26	33	28	156	693	404		
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	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	10.9	<8.0	<8.0	<8.0	<8.0	<8.0	67.4

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

Table 9

Analytical Data Summary for MW-17

Constituents	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	9/28/2021	3/8/2022	8/30/2022	3/7/2023	9/11/2023
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	4.4	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Barium, total	179	138	123	180	160	179	192	137	162	149
Benzene	<1	<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	<4.0
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<8	<8	<8	.8	<8	1.1	<8	<8	<8	<8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<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	<8.0
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	46.5	54.8	7.2	11.3	7.4	13.4	5.5	1.5	13.0	.6
Copper, total	<4.0	<4.0	4.2	4.3	<4.0	7.4	4.0	<4.0	<4.0	<4.0
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	15.9	10.9	8.2	10.7	12.0	16.7	6.4	6.1	9.1	5.9
Selenium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended										
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<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	2.3	<2.0
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	33.3	61.5	<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-17

Constituents	3/20/2024	9/12/2024	3/3/2025	9/25/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5
Acetone	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<1
Arsenic, total	<4.0	<4.0	<4.0	<2.0
Barium, total	149	153	152	177
Benzene	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<.5
Bromochloromethane	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	.2
Carbon disulfide	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	1.4
Cis-1,2-dichloroethylene	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1
Cobalt, total	.7	3.6	1.9	4.6
Copper, total	<4.0	<4.0	<4.0	<5.0
Dibromochloromethane	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1
Lead, total	<4	<4	<4	<1
Methyl iodide	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5
Nickel, total	4.9	6.6	6.8	12.8
Selenium, total	7.5	6.8	<4.0	<2.0
Silver, total	<4	<4	<4	<5
Solids, total suspended				
Styrene	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<.5
Toluene	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<2
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	5.7

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

Table 9

Analytical Data Summary for MW-18

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	11/8/2016	4/24/2017	10/9/2017
(34) -methylphenol	ug/L				<8				
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1-dichloropropene	ug/L				<1				
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2,4,5-tetrachlorobenzene	ug/L				<8				
1,2,4-trichlorobenzene	ug/L				<1				
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dinitrobenzene	ug/L				<8				
1,3,5-trinitrobenzene	ug/L				<8				
1,3-dichlorobenzene	ug/L				<1				
1,3-dichloropropane	ug/L				<1				
1,3-dinitrobenzene	ug/L				<8				
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
1,4-naphthoquinone	ug/L				<8				
1,4-phenylenediamine	ug/L				<8				
1-naphthylamine	ug/L				<8				
2,2-dichloropropane	ug/L				<1				
2,3,4,6-tetrachlorophenol	ug/L				<8				
2,4,5-t	ug/L				<5				
2,4,5-tp (silvex)	ug/L				<5				
2,4,5-trichlorophenol	ug/L				<8				
2,4,6-trichlorophenol	ug/L				<8				
2,4-d	ug/L				<2				
2,4-dichlorophenol	ug/L				<8				
2,4-dimethylphenol	ug/L				<8				
2,4-dinitrophenol	ug/L				<8				
2,4-dinitrotoluene	ug/L				<8				
2,6-dichlorophenol	ug/L				<8				
2,6-dinitrotoluene	ug/L				<8				
2-acetylaminofluorene	ug/L				<8				
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5		<5	<5
2-chloronaphthalene	ug/L				<8				
2-chlorophenol	ug/L				<8				
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5		<5	<5
2-methylnaphthalene	ug/L				<8				
2-methylphenol	ug/L				<8				
2-naphthylamine	ug/L				<8				
2-nitroaniline	ug/L				<8				
2-nitrophenol	ug/L				<8				
3,3'-dichlorobenzidine	ug/L				<8				
3,3'-dimethylbenzidine	ug/L				<8				
3-methylcholanthrene	ug/L				<8				
3-nitroaniline	ug/L				<8				
4,4'-ddd	ug/L				<.05				
4,4'-dde	ug/L				<.05				
4,4'-ddt	ug/L				<.05				
4,6-dinitro-2-methylphenol	ug/L				<8				
4-aminobiphenyl	ug/L				<8				
4-bromophenyl phenyl ether	ug/L				<8				
4-chloro-3-methylphenol	ug/L				<8				
4-chloroaniline	ug/L				<8				
4-chlorophenyl phenyl ether	ug/L				<8				
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5		<5	<5
4-nitroaniline	ug/L				<8				
4-nitrophenol	ug/L				<8				
5-nitro-o-toluidine	ug/L				<8				
7,12-dimethylbenz(a)anthracene	ug/L				<8				
Acenaphthene	ug/L				<8				
Acenaphthylene	ug/L				<8				
Acetone	ug/L	<10.0	<10.0	<10.0	<10.0	11.7	<10.0	<10.0	16.8
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-18

Constituents	3/21/2018	9/7/2018	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	9/28/2021	3/8/2022
(34) -methylphenol									
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene									
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene									
1,2,4-trichlorobenzene									
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene									
1,3,5-trinitrobenzene									
1,3-dichlorobenzene									
1,3-dichloropropane									
1,3-dinitrobenzene									
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone									
1,4-phenylenediamine									
1-naphthylamine									
2,2-dichloropropane									
2,3,4,6-tetrachlorophenol									
2,4,5-t									
2,4,5-tp (silvex)									
2,4,5-trichlorophenol									
2,4,6-trichlorophenol									
2,4-d									
2,4-dichlorophenol									
2,4-dimethylphenol									
2,4-dinitrophenol									
2,4-dinitrotoluene									
2,6-dichlorophenol									
2,6-dinitrotoluene									
2-acetylaminofluorene									
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<5	<10
2-chloronaphthalene									
2-chlorophenol									
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene									
2-methylphenol									
2-naphthylamine									
2-nitroaniline									
2-nitrophenol									
3,3'-dichlorobenzidine									
3,3'-dimethylbenzidine									
3-methylcholanthrene									
3-nitroaniline									
4,4'-ddd									
4,4'-dde									
4,4'-ddt									
4,6-dinitro-2-methylphenol									
4-aminobiphenyl									
4-bromophenyl phenyl ether									
4-chloro-3-methylphenol									
4-chloroaniline									
4-chlorophenyl phenyl ether									
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline									
4-nitrophenol									
5-nitro-o-toluidine									
7,12-dimethylbenz(a)anthracene									
Acenaphthene									
Acenaphthylene									
Acetone	<10.0	<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	<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-18

Constituents	8/30/2022	3/7/2023	9/11/2023	3/20/2024	9/12/2024	3/3/2025	9/25/2025
(34) -methylphenol							
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene							
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene							
1,2,4-trichlorobenzene							
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene							
1,3,5-trinitrobenzene							
1,3-dichlorobenzene							
1,3-dichloropropane							
1,3-dinitrobenzene							
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone							
1,4-phenylenediamine							
1-naphthylamine							
2,2-dichloropropane							
2,3,4,6-tetrachlorophenol							
2,4,5-t							
2,4,5-tp (silvex)							
2,4,5-trichlorophenol							
2,4,6-trichlorophenol							
2,4-d							
2,4-dichlorophenol							
2,4-dimethylphenol							
2,4-dinitrophenol							
2,4-dinitrotoluene							
2,6-dichlorophenol							
2,6-dinitrotoluene							
2-acetylaminofluorene							
2-butanone (mek)	<10	<10	<10	<10	<10	<10	<10
2-chloronaphthalene							
2-chlorophenol							
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene							
2-methylphenol							
2-naphthylamine							
2-nitroaniline							
2-nitrophenol							
3,3'-dichlorobenzidine							
3,3'-dimethylbenzidine							
3-methylcholanthrene							
3-nitroaniline							
4,4'-ddd							
4,4'-dde							
4,4'-ddt							
4,6-dinitro-2-methylphenol							
4-aminobiphenyl							
4-bromophenyl phenyl ether							
4-chloro-3-methylphenol							
4-chloroaniline							
4-chlorophenyl phenyl ether							
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline							
4-nitrophenol							
5-nitro-o-toluidine							
7,12-dimethylbenz(a)anthracene							
Acenaphthene							
Acenaphthylene							
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
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-18

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	11/8/2016	4/24/2017	10/9/2017
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	25.7	34.2	21.1	26.2	23.4		22.3	23.5
Azobenzene	ug/L				<8				
Barium, total	ug/L	903	1140	822	860	877		827	868
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				<8				
Bromochloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Butyl benzyl phthalate	ug/L				<8				
Cadmium, total	ug/L	1.7	3.9	<.8	1.0	.9		<.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	<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				<1				
Chromium, total	ug/L	11.6	26.4	<8.0	<8.0	10.5		<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	23.5	35.1	9.8	12.0	17.1		8.5	7.1
Copper, total	ug/L	31.3	69.3	<4.0	<4.0	16.0		<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-18

Constituents	3/21/2018	9/7/2018	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	9/28/2021	3/8/2022
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016									
Arochlor 1221									
Arochlor 1232									
Arochlor 1242									
Arochlor 1248									
Arochlor 1254									
Arochlor 1260									
Arsenic, total	21.1	19.4	21.5	21.7	19.4	23.4	23.3	19.9	21.3
Azobenzene									
Barium, total	863	831	862	823	897	898	840	741	792
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene									
Benzo(a)pyrene									
Benzo(b)fluoranthene									
Benzo(g,h,i)perylene									
Benzo(k)fluoranthene									
Benzyl alcohol									
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc									
Bis (2-chloroethoxy) methane									
Bis(2-chloroethyl) ether									
Bis(2-chloroisopropyl) ether									
Bis(2-ethylhexyl) phthalate									
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate									
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	1.2	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane									
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate									
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene									
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene									
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	5.5	5.8	4.1	3.9	3.6	17.8	9.2	4.9	4.0
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total									
Delta-bhc									
Diallate									
Dibenzo(a,h)anthracene									
Dibenzofuran									
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane									
Dieldrin									
Diethyl phthalate									
Dimethoate									
Dimethylphthalate									
Di-n-butyl phthalate									
Di-n-octyl phthalate									
Dinoseb									
Diphenylamine									
Disulfoton									
Endosulfan i									
Endosulfan ii									
Endosulfan sulfate									
Endrin									
Endrin aldehyde									
Ethyl methacrylate									
Ethyl methanesulfonate									
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur									
Fluoranthene									
Fluorene									
Gamma-bhc (lindane)									
Heptachlor									
Heptachlor epoxide									
Hexachlorobenzene									

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

Table 9

Analytical Data Summary for MW-18

Constituents	8/30/2022	3/7/2023	9/11/2023	3/20/2024	9/12/2024	3/3/2025	9/25/2025
Antimony, total	<2	<2	<2	<2	<2	<2	<1
Arochlor 1016							
Arochlor 1221							
Arochlor 1232							
Arochlor 1242							
Arochlor 1248							
Arochlor 1254							
Arochlor 1260							
Arsenic, total	27.3	18.3	18.7	16.8	16.2	19.6	13.9
Azobenzene							
Barium, total	760	702	709	623	621	654	718
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	<5
Beta-bhc							
Bis (2-chloroethoxy) methane							
Bis(2-chloroethyl) ether							
Bis(2-chloroisopropyl) ether							
Bis(2-ethylhexyl) phthalate							
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate							
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	.2
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1
Chlordane							
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate							
Chloroethane	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1
Chloroprene							
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	1.1
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	9.1	9.2	11.3	12.2	5.8	7.3	7.1
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0
Cyanide, total							
Delta-bhc							
Diallate							
Dibenzo(a,h)anthracene							
Dibenzofuran							
Dibromochloromethane	<1	<1	<1	<1	<1	<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-18

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	11/8/2016	4/24/2017	10/9/2017
Hexachlorobutadiene	ug/L				<8				
Hexachlorocyclopentadiene	ug/L				<8				
Hexachloroethane	ug/L				<8				
Hexachloropropene	ug/L				<8				
Indeno(1,2,3-cd)pyrene	ug/L				<8				
Isobutanol	ug/L				<1000				
Isodrin	ug/L				<8				
Isophorone	ug/L				<8				
Isosafrole	ug/L				<8				
Kepone	ug/L				<8				
Lead, total	ug/L	12.4	27.2	<4.0	<4.0	6.2		<4.0	<4.0
Mercury, total	ug/L				<.5				
Methacrylonitrile	ug/L				<1				
Methapyrilene	ug/L				<8				
Methoxychlor	ug/L				<.05				
Methyl iodide	ug/L	<1	<1	<1	<1	<1		<1	<1
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	35.4	67.7	12.7	16.0	25.3		11.9	10.8
Nitrobenzene	ug/L				<8				
N-nitrosodiethylamine	ug/L				<8				
N-nitrosodimethylamine	ug/L				<8				
N-nitrosodi-n-butylamine	ug/L				<8				
N-nitroso-di-n-propylamine	ug/L				<8				
N-nitrosodiphenylamine	ug/L				<8				
N-nitrosomethylethylamine	ug/L				<8				
N-nitrosopiperidine	ug/L				<8				
N-nitrosopyrrolidine	ug/L				<8				
O,o,o-triethyl phosphorothioate	ug/L				<.4				
O-toluidine	ug/L				<8				
Parathion	ug/L				<.4				
P-dimethylaminoazobenzene	ug/L				<8				
Pentachlorobenzene	ug/L				<8				
Pentachloronitrobenzene (pcnb)	ug/L				<8				
Pentachlorophenol	ug/L				<8				
Phenacetin	ug/L				<8				
Phenanthrene	ug/L				<8				
Phenol	ug/L				<8				
Phorate	ug/L				<.4				
Pronamide	ug/L				<8				
Propionitrile	ug/L				<40				
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	1710	1500	85	82	309		164	625
Styrene	ug/L	<1	<1	<1	<1	<1		<1	<1
Sulfide, total	mg/L				.17				
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
Thallium, total	ug/L	<4.0	<4.0	<1.0	<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	<20.0	31.6	<20.0	<20.0	<20.0		<20.0	<20.0
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	107.0	267.0	<8.0	<8.0	56.2		<8.0	<8.0

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

Table 9

Analytical Data Summary for MW-18

Constituents	3/21/2018	9/7/2018	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	9/28/2021	3/8/2022
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno(1,2,3-cd)pyrene									
Isobutanol									
Isodrin									
Isophorone									
Isosafrole									
Kepone									
Lead, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Mercury, total									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate									
Methyl methanesulfonate									
Methyl parathion									
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene									
Nickel, total	<20.0	9.2	7.2	10.7	6.6	29.7	12.4	8.5	7.2
Nitrobenzene									
N-nitrosodiethylamine									
N-nitrosodimethylamine									
N-nitrosodi-n-butylamine									
N-nitroso-di-n-propylamine									
N-nitrosodiphenylamine									
N-nitrosomethylethylamine									
N-nitrosopiperidine									
N-nitrosopyrrolidine									
O,o,o-triethyl phosphorothioate									
O-toluidine									
Parathion									
P-dimethylaminoazobenzene									
Pentachlorobenzene									
Pentachloronitrobenzene (pcnb)									
Pentachlorophenol									
Phenacetin									
Phenanthrene									
Phenol									
Phorate									
Pronamide									
Propionitrile									
Pyrene									
Safrole									
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total									
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin									
Tin, total									
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene									
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20.0	<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	42.5	29.3	42.8	<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	8/30/2022	3/7/2023	9/11/2023	3/20/2024	9/12/2024	3/3/2025	9/25/2025
Hexachlorobutadiene							
Hexachlorocyclopentadiene							
Hexachloroethane							
Hexachloropropene							
Indeno(1,2,3-cd)pyrene							
Isobutanol							
Isodrin							
Isophorone							
Isosafrole							
Kepone							
Lead, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0
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	16.9	19.8	19.5	21.6	10.6	16.3	11.6
Nitrobenzene							
N-nitrosodiethylamine							
N-nitrosodimethylamine							
N-nitrosodi-n-butylamine							
N-nitroso-di-n-propylamine							
N-nitrosodiphenylamine							
N-nitrosomethylethylamine							
N-nitrosopiperidine							
N-nitrosopyrrolidine							
O,o,o-triethyl phosphorothioate							
O-toluidine							
Parathion							
P-dimethylaminoazobenzene							
Pentachlorobenzene							
Pentachloronitrobenzene (pcnb)							
Pentachlorophenol							
Phenacetin							
Phenanthrene							
Phenol							
Phorate							
Pronamide							
Propionitrile							
Pyrene							
Safrole							
Selenium, total	<4	<4	<4	<4	<4	<4	<2
Silver, total	<4	<4	<4	<4	<4	<4	<5
Solids, total suspended							
Styrene	<1	<1	<1	<1	<1	<1	<1
Sulfide, total							
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5
Thionazin							
Tin, total							
Toluene	<1	<1	<1	<1	<1	<1	<1
Toxaphene							
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<2.0
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	6.2

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

Table 9

Analytical Data Summary for MW-19A

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	4/24/2017	10/9/2017	3/21/2018	9/7/2018
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<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	48.9	55.5	30.0	30.4	29.5	42.1	35.1	46.9	38.7
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	<.8	<.8	<.8	<2.0	<.8
Copper, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	4.6	6.9	5.2	4.3	<4.0	<4.0	5.2	<20.0	6.4
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	9	8	10	6	5	40	35		
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	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	11.2	15.2	<8.0	<8.0	<8.0	<8.0	40.8

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

Table 9

Analytical Data Summary for MW-19A

Constituents	4/2/2019	9/18/2019	3/25/2020	9/15/2020	12/2/2020	3/8/2021	9/28/2021	3/8/2022	8/30/2022	3/7/2023
1,1,1,2-tetrachloroethane	<1	<1	<1	<1		<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1		<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1		<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1		<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1		<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1		<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1		<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1	<1	<5	<5		<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1		<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1		<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1		<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1		<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1		<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<5		<5	<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	37.9	42.5	34.2	35.8		35.2	36.1	40.1	38.3	32.5
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	<8.0	<8.0	<8.0	<8.0		<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethylene	<1	<1	<1	<1		<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1		<1	<1	<1	<1	<1
Cobalt, total	<.8	.8	.8	<.4		.4	.4	.6	<.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	7.7	11.8	10.5	11.5	10.5	9.5	8.0	8.0	10.4	11.4
Selenium, total	<4	<4	<4	<4		<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4		<4	<4	<4	<4	<4
Solids, total suspended										
Styrene	<1	<1	<1	<1		<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1		<1	<1	<1	<1	<1
Thallium, total	<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	35.8	29.9	<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-19A

Constituents	9/11/2023	3/20/2024	9/12/2024	3/3/2025	9/25/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<1
Arsenic, total	<4	4	<4	<4	<2
Barium, total	32.1	622.0	38.2	35.9	41.9
Benzene	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<5
Bromochloromethane	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1
Cadmium, total	9.0	<.8	1.0	<.8	.2
Carbon disulfide	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	1.3
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1
Cobalt, total	<.4	6.9	.4	.5	1.0
Copper, total	<4	<4	<4	<4	<5
Dibromochloromethane	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<1
Methyl iodide	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5
Nickel, total	9.6	6.6	9.0	8.7	9.2
Selenium, total	<4	<4	<4	<4	<2
Silver, total	<4	<4	<4	<4	<5
Solids, total suspended					
Styrene	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<.5
Toluene	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<2
Vinyl acetate	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	5.9

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

Table 9

Analytical Data Summary for MW-2

Constituents	Units	4/4/2015	10/1/2015	4/4/2016	4/24/2017	4/2/2019	3/25/2020
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<5
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	418	491	424	125	290	137
Benzene	ug/L	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4	<4	<4	<4	<4	<4
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<8	<8	<8	<8	<8	<8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	7.4	6.4	8.2	<8	<8	<8
Copper, total	ug/L	<4	<4	<4	<4	<4	117
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4.0	<4.0	<4.0	<4.0	13.6	<4.0
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	21.1	7.8	16.6	<4.0	8.8	<4.0
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	5	17	6	19		
Styrene	ug/L	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4	<1	<4	<4	<2	<2
Toluene	ug/L	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<8.0	9.1	<8.0	<8.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-20R

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	4/24/2017	10/9/2017	3/21/2018	9/7/2018
(34) -methylphenol	ug/L				<8					
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L				<1					
1,2,3-trichloropropane	ug/L	<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	<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
1,2-dinitrobenzene	ug/L				<8					
1,3,5-trinitrobenzene	ug/L				<8					
1,3-dichlorobenzene	ug/L				<1					
1,3-dichloropropane	ug/L				<1					
1,3-dinitrobenzene	ug/L				<8					
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
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	<5
2-chloronaphthalene	ug/L				<8					
2-chlorophenol	ug/L				<8					
2-hexanone (mbk)	ug/L	<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
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
Acetonitrile	ug/L				<10					
Acetophenone	ug/L				<8					
Acrolein	ug/L				<10					
Acrylonitrile	ug/L	<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 9

Analytical Data Summary for MW-20R

Constituents	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	9/28/2021	3/8/2022	8/30/2022	3/7/2023
(34) -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	<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
1,2-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	<10	<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-20R

Constituents	9/11/2023	3/20/2024	9/12/2024	3/3/2025	9/25/2025
(34) -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	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1
1,1-dichloropropene					
1,2,3-trichloropropane	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene					
1,2,4-trichlorobenzene					
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1
1,2-dinitrobenzene					
1,3,5-trinitrobenzene					
1,3-dichlorobenzene					
1,3-dichloropropane					
1,3-dinitrobenzene					
1,4-dichlorobenzene	<1	<1	<1	<1	<1
1,4-naphthoquinone					
1,4-phenylenediamine					
1-naphthylamine					
2,2-dichloropropane					
2,3,4,6-tetrachlorophenol					
2,4,5-t					
2,4,5-tp (silvex)					
2,4,5-trichlorophenol					
2,4,6-trichlorophenol					
2,4-d					
2,4-dichlorophenol					
2,4-dimethylphenol					
2,4-dinitrophenol					
2,4-dinitrotoluene					
2,6-dichlorophenol					
2,6-dinitrotoluene					
2-acetylaminofluorene					
2-butanone (mek)	<10	<10	<10	<10	<10
2-chloronaphthalene					
2-chlorophenol					
2-hexanone (mbk)	<5	<5	<5	<5	<5
2-methylnaphthalene					
2-methylphenol					
2-naphthylamine					
2-nitroaniline					
2-nitrophenol					
3,3'-dichlorobenzidine					
3,3'-dimethylbenzidine					
3-methylcholanthrene					
3-nitroaniline					
4,4'-ddd					
4,4'-dde					
4,4'-ddt					
4,6-dinitro-2-methylphenol					
4-aminobiphenyl					
4-bromophenyl phenyl ether					
4-chloro-3-methylphenol					
4-chloroaniline					
4-chlorophenyl phenyl ether					
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5
4-nitroaniline					
4-nitrophenol					
5-nitro-o-toluidine					
7,12-dimethylbenz(a)anthracene					
Acenaphthene					
Acenaphthylene					
Acetone	<10	<10	<10	<10	<10
Acetonitrile					
Acetophenone					
Acrolein					
Acrylonitrile	<5	<5	<5	<5	<5
Aldrin					
Allyl chloride					
Alpha-bhc					
Anthracene					

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

Table 9

Analytical Data Summary for MW-20R

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	4/24/2017	10/9/2017	3/21/2018	9/7/2018
Antimony, total	ug/L	<2	<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	51.9	53.1	21.0	49.9	43.5	100.0	45.5	34.6	5.9
Azobenzene	ug/L				<8					
Barium, total	ug/L	806	939	664	928	841	1200	706	831	580
Benzene	ug/L	<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	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L				<.05					
Bis (2-chloroethoxy) methane	ug/L				<8					
Bis(2-chloroethyl) ether	ug/L				<8					
Bis(2-chloroisopropyl) ether	ug/L				<8					
Bis(2-ethylhexyl) phthalate	ug/L				25		<6	<6	<6	7
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L				<8					
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
Chlordane	ug/L				<.1					
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L				<8					
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
Chloroprene	ug/L				<1					
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene	ug/L				<8					
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	.9	1.1	1.3	1.2	1.3	1.4	.9	<2.0	<.8
Copper, total	ug/L	<4	<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	<1
Dibromomethane	ug/L	<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
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-20R

Constituents	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	9/28/2021	3/8/2022	8/30/2022	3/7/2023
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016									
Arochlor 1221									
Arochlor 1232									
Arochlor 1242									
Arochlor 1248									
Arochlor 1254									
Arochlor 1260									
Arsenic, total	31.7	37.1	29.5	49.0	77.1	49.1	52.0	49.0	43.0
Azobenzene									
Barium, total	851	954	701	755	994	620	691	599	599
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene									
Benzo(a)pyrene									
Benzo(b)fluoranthene									
Benzo(g,h,i)perylene									
Benzo(k)fluoranthene									
Benzyl alcohol									
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc									
Bis (2-chloroethoxy) methane									
Bis(2-chloroethyl) ether									
Bis(2-chloroisopropyl) ether									
Bis(2-ethylhexyl) phthalate									
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate									
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane									
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate									
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene									
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene									
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	1.0	.9	1.0	.7	.4	.7	.7	1.0	.5
Copper, total	<4	<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	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane									
Dieldrin									
Diethyl phthalate									
Dimethoate									
Dimethylphthalate									
Di-n-butyl phthalate									
Di-n-octyl phthalate									
Dinoseb									
Diphenylamine									
Disulfoton									
Endosulfan i									
Endosulfan ii									
Endosulfan sulfate									
Endrin									
Endrin aldehyde									
Ethyl methacrylate									
Ethyl methanesulfonate									
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur									
Fluoranthene									
Fluorene									
Gamma-bhc (lindane)									
Heptachlor									
Heptachlor epoxide									
Hexachlorobenzene									

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

Table 9

Analytical Data Summary for MW-20R

Constituents	9/11/2023	3/20/2024	9/12/2024	3/3/2025	9/25/2025
Antimony, total	<2	<2	<2	<2	<1
Arochlor 1016					
Arochlor 1221					
Arochlor 1232					
Arochlor 1242					
Arochlor 1248					
Arochlor 1254					
Arochlor 1260					
Arsenic, total	41.8	75.0	21.5	47.1	40.0
Azobenzene					
Barium, total	650	821	657	601	759
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	<4.0	<4.0	<4.0	<4.0	<.5
Beta-bhc					
Bis (2-chloroethoxy) methane					
Bis(2-chloroethyl) ether					
Bis(2-chloroisopropyl) ether					
Bis(2-ethylhexyl) phthalate					
Bromochloromethane	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1
Butyl benzyl phthalate					
Cadmium, total	<.8	<.8	<.8	<.8	<.2
Carbon disulfide	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1
Chlordane					
Chlorobenzene	<1	<1	<1	<1	<1
Chlorobenzilate					
Chloroethane	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1
Chloroprene					
Chromium, total	<8.0	<8.0	<8.0	<8.0	1.2
Chrysene					
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1
Cobalt, total	.4	.4	.6	.5	.7
Copper, total	<4	<4	<4	<4	<5
Cyanide, total					
Delta-bhc					
Diallate					
Dibenzo(a,h)anthracene					
Dibenzofuran					
Dibromochloromethane	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1
Dichlorodifluoromethane					
Dieldrin					
Diethyl phthalate					
Dimethoate					
Dimethylphthalate					
Di-n-butyl phthalate					
Di-n-octyl phthalate					
Dinoseb					
Diphenylamine					
Disulfoton					
Endosulfan i					
Endosulfan ii					
Endosulfan sulfate					
Endrin					
Endrin aldehyde					
Ethyl methacrylate					
Ethyl methanesulfonate					
Ethylbenzene	<1	<1	<1	<1	<1
Famphur					
Fluoranthene					
Fluorene					
Gamma-bhc (lindane)					
Heptachlor					
Heptachlor epoxide					
Hexachlorobenzene					

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

Table 9

Analytical Data Summary for MW-20R

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	4/24/2017	10/9/2017	3/21/2018	9/7/2018
Hexachlorobutadiene	ug/L				<8					
Hexachlorocyclopentadiene	ug/L				<8					
Hexachloroethane	ug/L				<8					
Hexachloropropene	ug/L				<8					
Indeno(1,2,3-cd)pyrene	ug/L				<8					
Isobutanol	ug/L				<1000					
Isodrin	ug/L				<8					
Isophorone	ug/L				<8					
Isosafrole	ug/L				<8					
Kepone	ug/L				<8					
Lead, total	ug/L	<4.0	<4.0	<4.0	4.1	<4.0	<4.0	<4.0	<4.0	<4.0
Mercury, total	ug/L				<5					
Methacrylonitrile	ug/L				<1					
Methapyrilene	ug/L				<8					
Methoxychlor	ug/L				<.05					
Methyl iodide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<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
Naphthalene	ug/L				<8					
Nickel, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<20	<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				<40					
Pyrene	ug/L				<8					
Safrole	ug/L				<8					
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	115	137	106	139	147	413	226		
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L				<.1					
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Thionazin	ug/L				<.4					
Tin, total	ug/L				<20					
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L				<.2					
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	10.8	8.4	9.6	<8.0	<8.0	<8.0	115.0

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

Table 9

Analytical Data Summary for MW-20R

Constituents	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	9/28/2021	3/8/2022	8/30/2022	3/7/2023
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno(1,2,3-cd)pyrene									
Isobutanol									
Isodrin									
Isophorone									
Isosafrole									
Kepone									
Lead, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Mercury, total									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate									
Methyl methanesulfonate									
Methyl parathion									
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene									
Nickel, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Nitrobenzene									
N-nitrosodiethylamine									
N-nitrosodimethylamine									
N-nitrosodi-n-butylamine									
N-nitroso-di-n-propylamine									
N-nitrosodiphenylamine									
N-nitrosomethylethylamine									
N-nitrosopiperidine									
N-nitrosopyrrolidine									
O,o,o-triethyl phosphorothioate									
O-toluidine									
Parathion									
P-dimethylaminoazobenzene									
Pentachlorobenzene									
Pentachloronitrobenzene (pcnb)									
Pentachlorophenol									
Phenacetin									
Phenanthrene									
Phenol									
Phorate									
Pronamide									
Propionitrile									
Pyrene									
Safrole									
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total									
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<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	14.5	18.1	<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-20R

Constituents	9/11/2023	3/20/2024	9/12/2024	3/3/2025	9/25/2025
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	<1.0
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	<4	<4	<4	<4	<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	<2
Silver, total	<4	<4	<4	<4	<5
Solids, total suspended					
Styrene	<1	<1	<1	<1	<1
Sulfide, total					
Tetrachloroethylene	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<.5
Thionazin					
Tin, total					
Toluene	<1	<1	<1	<1	<1
Toxaphene					
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<2
Vinyl acetate	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<5.0

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

Table 9

Analytical Data Summary for MW-21

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	4/24/2017	10/9/2017	3/21/2018	9/7/2018
(3,4)-Methylphenol	ug/L				<8					
(3,4)-methylphenol	ug/L				<1					
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L				<1					
1,2,3-trichloropropane	ug/L	<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	<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
1,2-dinitrobenzene	ug/L				<8					
1,3,5-trinitrobenzene	ug/L				<8					
1,3-dichlorobenzene	ug/L				<1					
1,3-dichloropropane	ug/L				<1					
1,3-dinitrobenzene	ug/L				<8					
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
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	<5
2-chloronaphthalene	ug/L				<8					
2-chlorophenol	ug/L				<8					
2-hexanone (mbk)	ug/L	<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
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
Acetonitrile	ug/L				<10					
Acetophenone	ug/L				<8					
Acrolein	ug/L				<10					
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin	ug/L				<.05					
Allyl chloride	ug/L				<1					
Alpha-bhc	ug/L				<.05					

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

Table 9

Analytical Data Summary for MW-21

Constituents	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	9/28/2021	3/8/2022	8/30/2022	3/7/2023
(3,4)-Methylphenol					<21				
(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				
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene					<21				
1,2,4-trichlorobenzene					<1				
1,2-dibromo-3-chloropropane	<1	<1	<5	<5	<1	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene					<21				
1,3,5-trinitrobenzene					<21				
1,3-dichlorobenzene					<1				
1,3-dichloropropane					<1				
1,3-dinitrobenzene					<21				
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone					<21				
1,4-phenylenediamine					<21				
1-naphthylamine					<21				
2,2-dichloropropane					<1				
2,3,4,6-tetrachlorophenol					<21				
2,4,5-t					<.5				
2,4,5-tp (silvex)					<.5				
2,4,5-trichlorophenol					<21				
2,4,6-trichlorophenol					<21				
2,4-d					<2				
2,4-dichlorophenol					<21				
2,4-dimethylphenol					<21				
2,4-dinitrophenol					<21				
2,4-dinitrotoluene					<21				
2,6-dichlorophenol					<21				
2,6-dinitrotoluene					<21				
2-acetylaminofluorene					<21				
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<10	<10	<10
2-chloronaphthalene					<21				
2-chlorophenol					<21				
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene					<21				
2-methylphenol					<21				
2-naphthylamine					<21				
2-nitroaniline					<21				
2-nitrophenol					<21				
3,3'-dichlorobenzidine					<21				
3,3'-dimethylbenzidine					<21				
3-methylcholanthrene					<21				
3-nitroaniline					<21				
4,4'-ddd					<.05				
4,4'-dde					<.05				
4,4'-ddt					<.05				
4,6-dinitro-2-methylphenol					<21				
4-aminobiphenyl					<21				
4-bromophenyl phenyl ether					<21				
4-chloro-3-methylphenol					<21				
4-chloroaniline					<21				
4-chlorophenyl phenyl ether					<21				
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline					<21				
4-nitrophenol					<21				
5-nitro-o-toluidine					<21				
7,12-dimethylbenz(a)anthracene					<21				
Acenaphthene					<21				
Acenaphthylene					<21				
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile					<10				
Acetophenone					<21				
Acrolein					<10				
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin					<.05				
Allyl chloride					<1				
Alpha-bhc					<.05				

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

Table 9

Analytical Data Summary for MW-21

Constituents	9/11/2023	3/20/2024	9/11/2024	3/3/2025	9/25/2025
(3,4)-Methylphenol					
(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	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1
1,1-dichloropropene					
1,2,3-trichloropropane	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene					
1,2,4-trichlorobenzene					
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1
1,2-dinitrobenzene					
1,3,5-trinitrobenzene					
1,3-dichlorobenzene					
1,3-dichloropropane					
1,3-dinitrobenzene					
1,4-dichlorobenzene	<1	<1	<1	<1	<1
1,4-naphthoquinone					
1,4-phenylenediamine					
1-naphthylamine					
2,2-dichloropropane					
2,3,4,6-tetrachlorophenol					
2,4,5-t					
2,4,5-tp (silvex)					
2,4,5-trichlorophenol					
2,4,6-trichlorophenol					
2,4-d					
2,4-dichlorophenol					
2,4-dimethylphenol					
2,4-dinitrophenol					
2,4-dinitrotoluene					
2,6-dichlorophenol					
2,6-dinitrotoluene					
2-acetylaminofluorene					
2-butanone (mek)	<10	<10	<10	<10	<10
2-chloronaphthalene					
2-chlorophenol					
2-hexanone (mbk)	<5	<5	<5	<5	<5
2-methylnaphthalene					
2-methylphenol					
2-naphthylamine					
2-nitroaniline					
2-nitrophenol					
3,3'-dichlorobenzidine					
3,3'-dimethylbenzidine					
3-methylcholanthrene					
3-nitroaniline					
4,4'-ddd					
4,4'-dde					
4,4'-ddt					
4,6-dinitro-2-methylphenol					
4-aminobiphenyl					
4-bromophenyl phenyl ether					
4-chloro-3-methylphenol					
4-chloroaniline					
4-chlorophenyl phenyl ether					
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5
4-nitroaniline					
4-nitrophenol					
5-nitro-o-toluidine					
7,12-dimethylbenz(a)anthracene					
Acenaphthene					
Acenaphthylene					
Acetone	<10	<10	<10	<10	<10
Acetonitrile					
Acetophenone					
Acrolein					
Acrylonitrile	<5	<5	<5	<5	<5
Aldrin					
Allyl chloride					
Alpha-bhc					

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

Table 9

Analytical Data Summary for MW-21

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	4/24/2017	10/9/2017	3/21/2018	9/7/2018
Anthracene	ug/L				<8					
Antimony, total	ug/L	<2	<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	6.2	7.8	<4.0	7.2	4.2	5.8	<4.0	6.7	<4.0
Azobenzene	ug/L				<8					
Barium, total	ug/L	354	461	451	392	630	806	472	875	598
Benzene	ug/L	<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	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L				<.05					
Bis (2-chloroethoxy) methane	ug/L				<8					
Bis(2-chloroethyl) ether	ug/L				<8					
Bis(2-chloroisopropyl) ether	ug/L				<8					
Bis(2-ethylhexyl) phthalate	ug/L				<8					
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L				<8					
Cadmium, total	ug/L	<.8	<.8	.8	<.8	<.8	1.8	<.8	<.8	1.0
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane	ug/L				<.1					
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L				<8					
Chloroethane	ug/L	1.4	1.1	1.7	2.4	1.4	2.6	1.0	<1.0	1.6
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
Chloroprene	ug/L				<1					
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene	ug/L				<8					
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	5.3	5.9	<.8	7.0	<.8	1.1	<.8	<2.0	<.8
Copper, total	ug/L	4.1	4.9	<4.0	5.6	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total	mg/L				<.005					
Delta-bhc	ug/L				<.05					
Diallate	ug/L				<8					
Dibenzo(a,h)anthracene	ug/L				<8					
Dibenzofuran	ug/L				<8					
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<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
Famphur	ug/L				<.4					
Fluoranthene	ug/L				<8					
Fluorene	ug/L				<8					
Gamma-bhc (lindane)	ug/L				<.05					
Heptachlor	ug/L				<.05					
Heptachlor epoxide	ug/L				<.05					

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

Table 9

Analytical Data Summary for MW-21

Constituents	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	9/28/2021	3/8/2022	8/30/2022	3/7/2023
Anthracene					<21				
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016					<.1				
Arochlor 1221					<.2				
Arochlor 1232					<.2				
Arochlor 1242					<.2				
Arochlor 1248					<.2				
Arochlor 1254					<.1				
Arochlor 1260					<.1				
Arsenic, total	9.7	<4.0	10.1	<4.0	8.1	<4.0	10.5	<4.0	30.5
Azobenzene					<21				
Barium, total	1420	307	1730	469	1020	498	803	450	1420
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene					<21				
Benzo(a)pyrene					<21				
Benzo(b)fluoranthene					<21				
Benzo(g,h,i)perylene					<21				
Benzo(k)fluoranthene					<21				
Benzyl alcohol					<21				
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc					<.05				
Bis (2-chloroethoxy) methane					<21				
Bis(2-chloroethyl) ether					<21				
Bis(2-chloroisopropyl) ether					<21				
Bis(2-ethylhexyl) phthalate					<15				
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate					<21				
Cadmium, total	.9	<.8	<.8	.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane					<.1				
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate					<21				
Chloroethane	1.8	1.7	1.2	<1.0	1.3	<1.0	1.0	<1.0	1.4
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroprene					<1				
Chromium, total	<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene					<21				
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	.6	.4	.9
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total					<.005				
Delta-bhc					<.05				
Diallate					<21				
Dibenzo(a,h)anthracene					<21				
Dibenzofuran					<21				
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane					<1				
Dieldrin					<.05				
Diethyl phthalate					<21				
Dimethoate					<.7				
Dimethylphthalate					<21				
Di-n-butyl phthalate					<21				
Di-n-octyl phthalate					<21				
Dinoseb					<.5				
Diphenylamine					<21				
Disulfoton					<.7				
Endosulfan i					<.05				
Endosulfan ii					<.05				
Endosulfan sulfate					<.05				
Endrin					<.05				
Endrin aldehyde					<.05				
Ethyl methacrylate					<10				
Ethyl methanesulfonate					<21				
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur					<.7				
Fluoranthene					<21				
Fluorene					<21				
Gamma-bhc (lindane)					<.05				
Heptachlor					<.05				
Heptachlor epoxide					<.05				

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

Table 9

Analytical Data Summary for MW-21

Constituents	9/11/2023	3/20/2024	9/11/2024	3/3/2025	9/25/2025
Anthracene					
Antimony, total	<2	<2	<2	<2	<1
Arochlor 1016					
Arochlor 1221					
Arochlor 1232					
Arochlor 1242					
Arochlor 1248					
Arochlor 1254					
Arochlor 1260					
Arsenic, total	<4.0	<4.0	6.5	19.0	7.0
Azobenzene					
Barium, total	465	369	517	850	557
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	<4.0	<4.0	<4.0	<4.0	<.5
Beta-bhc					
Bis (2-chloroethoxy) methane					
Bis(2-chloroethyl) ether					
Bis(2-chloroisopropyl) ether					
Bis(2-ethylhexyl) phthalate					
Bromochloromethane	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1
Butyl benzyl phthalate					
Cadmium, total	<.8	<.8	<.8	.8	<.2
Carbon disulfide	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1
Chlordane					
Chlorobenzene	<1	<1	<1	<1	<1
Chlorobenzilate					
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<1	<1	<1	<1	<1
Chloromethane	<1.0	<1.0	<1.0	1.1	<1.0
Chloroprene					
Chromium, total	<8	<8	<8	<8	<1
Chrysene					
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1
Cobalt, total	.4	<.4	1.0	1.2	.5
Copper, total	<4.0	<4.0	<4.0	<4.0	<5.0
Cyanide, total					
Delta-bhc					
Diallate					
Dibenzo(a,h)anthracene					
Dibenzofuran					
Dibromochloromethane	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1
Dichlorodifluoromethane					
Dieldrin					
Diethyl phthalate					
Dimethoate					
Dimethylphthalate					
Di-n-butyl phthalate					
Di-n-octyl phthalate					
Dinoseb					
Diphenylamine					
Disulfoton					
Endosulfan i					
Endosulfan ii					
Endosulfan sulfate					
Endrin					
Endrin aldehyde					
Ethyl methacrylate					
Ethyl methanesulfonate					
Ethylbenzene	<1	<1	<1	<1	<1
Famphur					
Fluoranthene					
Fluorene					
Gamma-bhc (lindane)					
Heptachlor					
Heptachlor epoxide					

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

Table 9

Analytical Data Summary for MW-21

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	4/24/2017	10/9/2017	3/21/2018	9/7/2018
Hexachlorobenzene	ug/L				<.05					
Hexachlorobutadiene	ug/L				<8					
Hexachlorocyclopentadiene	ug/L				<8					
Hexachloroethane	ug/L				<8					
Hexachloropropene	ug/L				<8					
Indeno(1,2,3-cd)pyrene	ug/L				<8					
Isobutanol	ug/L				<1000					
Isodrin	ug/L				<8					
Isophorone	ug/L				<8					
Isosafrole	ug/L				<8					
Kepone	ug/L				<8					
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<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	<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
Naphthalene	ug/L				<8					
Nickel, total	ug/L	12.5	15.1	<4.0	17.3	<4.0	7.5	4.3	<20.0	5.7
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				<40					
Pyrene	ug/L				<8					
Safrole	ug/L				<8					
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	198	254	108	251	142	950	238		
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L				<.1					
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Thionazin	ug/L				<.4					
Tin, total	ug/L				<20					
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L				<.2					
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	18.0	<8.0	23.5	<8.0	8.3	<8.0	<8.0	38.3

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

Table 9

Analytical Data Summary for MW-21

Constituents	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	9/28/2021	3/8/2022	8/30/2022	3/7/2023
Hexachlorobenzene					<.05				
Hexachlorobutadiene					<21				
Hexachlorocyclopentadiene					<21				
Hexachloroethane					<21				
Hexachloropropene					<21				
Indeno(1,2,3-cd)pyrene					<21				
Isobutanol					<1000				
Isodrin					<21				
Isophorone					<21				
Isosafrole					<21				
Kepon					<21				
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total					<.5				
Methacrylonitrile					<1				
Methapyrilene					<21				
Methoxychlor					<.05				
Methyl iodide	<1	<1	<1	<1	<2	<1	<1	<1	<1
Methyl methacrylate					<1				
Methyl methanesulfonate					<21				
Methyl parathion					<.7				
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene					<21				
Nickel, total	5.7	<4.0	6.3	5.8	5.6	5.4	5.7	6.1	6.8
Nitrobenzene					<21				
N-nitrosodiethylamine					<21				
N-nitrosodimethylamine					<21				
N-nitrosodi-n-butylamine					<21				
N-nitroso-di-n-propylamine					<21				
N-nitrosodiphenylamine					<21				
N-nitrosomethylethylamine					<21				
N-nitrosopiperidine					<21				
N-nitrosopyrrolidine					<21				
O,o,o-triethyl phosphorothioate					<.7				
O-toluidine					<21				
Parathion					<.7				
P-dimethylaminoazobenzene					<21				
Pentachlorobenzene					<21				
Pentachloronitrobenzene (pcnb)					<21				
Pentachlorophenol					<21				
Phenacetin					<21				
Phenanthrene					<21				
Phenol					<21				
Phorate					<.7				
Pronamide					<21				
Propionitrile					<10				
Pyrene					<21				
Safrole					<21				
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total					<.1				
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin					<.7				
Tin, total					<20				
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene					<.2				
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<8.0	14.3	<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-21

Constituents	9/11/2023	3/20/2024	9/11/2024	3/3/2025	9/25/2025
Hexachlorobenzene					
Hexachlorobutadiene					
Hexachlorocyclopentadiene					
Hexachloroethane					
Hexachloropropene					
Indeno(1,2,3-cd)pyrene					
Isobutanol					
Isodrin					
Isophorone					
Isosafrole					
Kepone					
Lead, total	<4	<4	<4	<4	<1
Mercury, total					
Methacrylonitrile					
Methapyrilene					
Methoxychlor					
Methyl iodide	<1	<1	<1	<1	<1
Methyl methacrylate					
Methyl methanesulfonate					
Methyl parathion					
Methylene chloride	<5	<5	<5	<5	<5
Naphthalene					
Nickel, total	5.3	<4.0	8.5	9.4	7.1
Nitrobenzene					
N-nitrosodiethylamine					
N-nitrosodimethylamine					
N-nitrosodi-n-butylamine					
N-nitroso-di-n-propylamine					
N-nitrosodiphenylamine					
N-nitrosomethylethylamine					
N-nitrosopiperidine					
N-nitrosopyrrolidine					
O,o,o-triethyl phosphorothioate					
O-toluidine					
Parathion					
P-dimethylaminoazobenzene					
Pentachlorobenzene					
Pentachloronitrobenzene (pcnb)					
Pentachlorophenol					
Phenacetin					
Phenanthrene					
Phenol					
Phorate					
Pronamide					
Propionitrile					
Pyrene					
Safrole					
Selenium, total	<4	<4	<4	<4	<2
Silver, total	<4	<4	<4	<4	<5
Solids, total suspended					
Styrene	<1	<1	<1	<1	<1
Sulfide, total					
Tetrachloroethylene	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<.5
Thionazin					
Tin, total					
Toluene	<1	<1	<1	<1	<1
Toxaphene					
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<2
Vinyl acetate	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<5.0

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

Table 9

Analytical Data Summary for MW-22

Constituents	Units	10/15/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	4/24/2017	10/9/2017	3/21/2018	9/7/2018
(3,4)-Methylphenol	ug/L				<8					
(3,4)-methylphenol	ug/L				<1					
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L				<1					
1,2,3-trichloropropane	ug/L	<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	<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
1,2-dinitrobenzene	ug/L				<8					
1,3,5-trinitrobenzene	ug/L				<8					
1,3-dichlorobenzene	ug/L				<1					
1,3-dichloropropane	ug/L				<1					
1,3-dinitrobenzene	ug/L				<8					
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
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	<5
2-chloronaphthalene	ug/L				<8					
2-chlorophenol	ug/L				<8					
2-hexanone (mbk)	ug/L	<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
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	14.6	<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	<5	<5
Aldrin	ug/L				<.05					
Allyl chloride	ug/L				<1					
Alpha-bhc	ug/L				<.05					

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

Table 9

Analytical Data Summary for MW-22

Constituents	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	3/8/2022	8/30/2022	3/7/2023	3/20/2024
(3,4)-Methylphenol					<8				
(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				
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene					<8				
1,2,4-trichlorobenzene					<1				
1,2-dibromo-3-chloropropane	<1	<1	<5	<5	<1	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene					<8				
1,3,5-trinitrobenzene					<8				
1,3-dichlorobenzene					<1				
1,3-dichloropropane					<1				
1,3-dinitrobenzene					<8				
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone					<8				
1,4-phenylenediamine					<8				
1-naphthylamine					<8				
2,2-dichloropropane					<1				
2,3,4,6-tetrachlorophenol					<8				
2,4,5-t					<.5				
2,4,5-tp (silvex)					<.5				
2,4,5-trichlorophenol					<8				
2,4,6-trichlorophenol					<8				
2,4-d					<2				
2,4-dichlorophenol					<8				
2,4-dimethylphenol					<8				
2,4-dinitrophenol					<8				
2,4-dinitrotoluene					<8				
2,6-dichlorophenol					<8				
2,6-dinitrotoluene					<8				
2-acetylaminofluorene					<8				
2-butanone (mek)	<5	<5	<5	<5	<5	<10	<10	<10	<10
2-chloronaphthalene					<8				
2-chlorophenol					<8				
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene					<8				
2-methylphenol					<8				
2-naphthylamine					<8				
2-nitroaniline					<8				
2-nitrophenol					<8				
3,3'-dichlorobenzidine					<8				
3,3'-dimethylbenzidine					<8				
3-methylcholanthrene					<8				
3-nitroaniline					<8				
4,4'-ddd					<.05				
4,4'-dde					<.05				
4,4'-ddt					<.05				
4,6-dinitro-2-methylphenol					<8				
4-aminobiphenyl					<8				
4-bromophenyl phenyl ether					<8				
4-chloro-3-methylphenol					<8				
4-chloroaniline					<8				
4-chlorophenyl phenyl ether					<8				
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline					<8				
4-nitrophenol					<8				
5-nitro-o-toluidine					<8				
7,12-dimethylbenz(a)anthracene					<8				
Acenaphthene					<8				
Acenaphthylene					<8				
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acetonitrile					<10				
Acetophenone					<8				
Acrolein					<10				
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin					<.05				
Allyl chloride					<1				
Alpha-bhc					<.05				

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

Table 9

Analytical Data Summary for MW-22

Constituents	9/12/2024	3/3/2025	9/25/2025
(3,4)-Methylphenol			
(3,4)-methylphenol			
1,1,1,2-tetrachloroethane	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1
1,1-dichloroethane	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1
1,1-dichloropropene			
1,2,3-trichloropropane	<1	<1	<1
1,2,4,5-tetrachlorobenzene			
1,2,4-trichlorobenzene			
1,2-dibromo-3-chloropropane	<5	<5	<5
1,2-dibromoethane	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1
1,2-dichloroethane	<1	<1	<1
1,2-dichloropropane	<1	<1	<1
1,2-dinitrobenzene			
1,3,5-trinitrobenzene			
1,3-dichlorobenzene			
1,3-dichloropropane			
1,3-dinitrobenzene			
1,4-dichlorobenzene	<1	<1	<1
1,4-naphthoquinone			
1,4-phenylenediamine			
1-naphthylamine			
2,2-dichloropropane			
2,3,4,6-tetrachlorophenol			
2,4,5-t			
2,4,5-tp (silvex)			
2,4,5-trichlorophenol			
2,4,6-trichlorophenol			
2,4-d			
2,4-dichlorophenol			
2,4-dimethylphenol			
2,4-dinitrophenol			
2,4-dinitrotoluene			
2,6-dichlorophenol			
2,6-dinitrotoluene			
2-acetylaminofluorene			
2-butanone (mek)	<10	<10	<10
2-chloronaphthalene			
2-chlorophenol			
2-hexanone (mbk)	<5	<5	<5
2-methylnaphthalene			
2-methylphenol			
2-naphthylamine			
2-nitroaniline			
2-nitrophenol			
3,3'-dichlorobenzidine			
3,3'-dimethylbenzidine			
3-methylcholanthrene			
3-nitroaniline			
4,4'-ddd			
4,4'-dde			
4,4'-ddt			
4,6-dinitro-2-methylphenol			
4-aminobiphenyl			
4-bromophenyl phenyl ether			
4-chloro-3-methylphenol			
4-chloroaniline			
4-chlorophenyl phenyl ether			
4-methyl-2-pentanone (mibk)	<5	<5	<5
4-nitroaniline			
4-nitrophenol			
5-nitro-o-toluidine			
7,12-dimethylbenz(a)anthracene			
Acenaphthene			
Acenaphthylene			
Acetone	<10.0	<10.0	<10.0
Acetonitrile			
Acetophenone			
Acrolein			
Acrylonitrile	<5	<5	<5
Aldrin			
Allyl chloride			
Alpha-bhc			

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

Table 9

Analytical Data Summary for MW-22

Constituents	Units	10/15/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	4/24/2017	10/9/2017	3/21/2018	9/7/2018
Anthracene	ug/L				<8					
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016	ug/L				<.1					
Arochlor 1221	ug/L				<.2					
Arochlor 1232	ug/L				<.2					
Arochlor 1242	ug/L				<.2					
Arochlor 1248	ug/L				<.2					
Arochlor 1254	ug/L				<.1					
Arochlor 1260	ug/L				<.1					
Arsenic, total	ug/L	15.9	398.0	138.0	34.5	18.5	86.7	19.3	82.8	77.6
Azobenzene	ug/L				<8					
Barium, total	ug/L	353	426	441	383	295	325	294	287	278
Benzene	ug/L	<1.0	1.6	<1.0	<1.0	<1.0	1.7	<1.0	2.3	1.5
Benzo(a)anthracene	ug/L				<8					
Benzo(a)pyrene	ug/L				<8					
Benzo(b)fluoranthene	ug/L				<8					
Benzo(g,h,i)perylene	ug/L				<8					
Benzo(k)fluoranthene	ug/L				<8					
Benzyl alcohol	ug/L				<8					
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L				<.05					
Bis (2-chloroethoxy) methane	ug/L				<8					
Bis(2-chloroethyl) ether	ug/L				<8					
Bis(2-chloroisopropyl) ether	ug/L				<8					
Bis(2-ethylhexyl) phthalate	ug/L				<8					
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<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	2.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Butyl benzyl phthalate	ug/L				<8					
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	.8	1.2	<.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
Chlordane	ug/L				<.1					
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L				<8					
Chloroethane	ug/L	1.0	1.1	<1.0	<1.0	<1.0	1.5	<1.0	<1.0	<1.0
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	ug/L				<1					
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene	ug/L				<8					
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	4.0	5.0	4.5	5.1	4.4	3.5	4.0	2.6	2.2
Copper, total	ug/L	<4	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	<1
Dibromomethane	ug/L	<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
Famphur	ug/L				<.4					
Fluoranthene	ug/L				<8					
Fluorene	ug/L				<8					
Gamma-bhc (lindane)	ug/L				<.05					
Heptachlor	ug/L				<.05					
Heptachlor epoxide	ug/L				<.05					

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

Table 9

Analytical Data Summary for MW-22

Constituents	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	3/8/2022	8/30/2022	3/7/2023	3/20/2024
Anthracene					<8				
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016					<.1				
Arochlor 1221					<.2				
Arochlor 1232					<.2				
Arochlor 1242					<.2				
Arochlor 1248					<.2				
Arochlor 1254					<.1				
Arochlor 1260					<.1				
Arsenic, total	86.4	76.3	77.3	68.7	82.7	65.2	36.0	95.5	59.8
Azobenzene					<8				
Barium, total	329	302	296	351	298	452	307	367	439
Benzene	2.2	2.3	2.4	1.5	1.4	1.0	<1.0	2.0	<1.0
Benzo(a)anthracene					<8				
Benzo(a)pyrene					<8				
Benzo(b)fluoranthene					<8				
Benzo(g,h,i)perylene					<8				
Benzo(k)fluoranthene					<8				
Benzyl alcohol					<8				
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc					<.05				
Bis (2-chloroethoxy) methane					<8				
Bis(2-chloroethyl) ether					<8				
Bis(2-chloroisopropyl) ether					<8				
Bis(2-ethylhexyl) phthalate					<6				
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Butyl benzyl phthalate					<8				
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	1.0	<.8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane					<.1				
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate					<8				
Chloroethane	<1.0	<1.0	<1.0	1.7	1.2	<1.0	<1.0	<1.0	<1.0
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene					<1				
Chromium, total	<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene					<8				
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	2.5	2.7	2.1	3.7	2.5	4.6	4.1	4.2	1.8
Copper, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Cyanide, total					<.005				
Delta-bhc					<.05				
Diallate					<8				
Dibenzo(a,h)anthracene					<8				
Dibenzofuran					<8				
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane					<1				
Dieldrin					<.05				
Diethyl phthalate					<8				
Dimethoate					<.4				
Dimethylphthalate					<8				
Di-n-butyl phthalate					<8				
Di-n-octyl phthalate					<8				
Dinoseb					<.5				
Diphenylamine					<8				
Disulfoton					<.4				
Endosulfan i					<.05				
Endosulfan ii					<.05				
Endosulfan sulfate					<.05				
Endrin					<.05				
Endrin aldehyde					<.05				
Ethyl methacrylate					<10				
Ethyl methanesulfonate					<8				
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur					<.4				
Fluoranthene					<8				
Fluorene					<8				
Gamma-bhc (lindane)					<.05				
Heptachlor					<.05				
Heptachlor epoxide					<.05				

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

Table 9

Analytical Data Summary for MW-22

Constituents	9/12/2024	3/3/2025	9/25/2025
Anthracene			
Antimony, total	<2	<2	<1
Arochlor 1016			
Arochlor 1221			
Arochlor 1232			
Arochlor 1242			
Arochlor 1248			
Arochlor 1254			
Arochlor 1260			
Arsenic, total	63.1	63.4	70.4
Azobenzene			
Barium, total	418	458	392
Benzene	<1.0	<1.0	1.5
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	<.5
Beta-bhc			
Bis (2-chloroethoxy) methane			
Bis(2-chloroethyl) ether			
Bis(2-chloroisopropyl) ether			
Bis(2-ethylhexyl) phthalate			
Bromochloromethane	<1	<1	<1
Bromodichloromethane	<1	<1	<1
Bromoform	<1	<1	<1
Bromomethane	<1.0	<1.0	<1.0
Butyl benzyl phthalate			
Cadmium, total	<.8	<.8	<.2
Carbon disulfide	<1	<1	<1
Carbon tetrachloride	<1	<1	<1
Chlordane			
Chlorobenzene	<1	<1	<1
Chlorobenzilate			
Chloroethane	<1.0	<1.0	<1.0
Chloroform	<1	<1	<1
Chloromethane	<1	<1	<1
Chloroprene			
Chromium, total	<8	<8	1
Chrysene			
Cis-1,2-dichloroethylene	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1
Cobalt, total	4.0	2.3	2.4
Copper, total	<4	<4	<5
Cyanide, total			
Delta-bhc			
Diallate			
Dibenzo(a,h)anthracene			
Dibenzofuran			
Dibromochloromethane	<1	<1	<1
Dibromomethane	<1	<1	<1
Dichlorodifluoromethane			
Dieldrin			
Diethyl phthalate			
Dimethoate			
Dimethylphthalate			
Di-n-butyl phthalate			
Di-n-octyl phthalate			
Dinoseb			
Diphenylamine			
Disulfoton			
Endosulfan i			
Endosulfan ii			
Endosulfan sulfate			
Endrin			
Endrin aldehyde			
Ethyl methacrylate			
Ethyl methanesulfonate			
Ethylbenzene	<1	<1	<1
Famphur			
Fluoranthene			
Fluorene			
Gamma-bhc (lindane)			
Heptachlor			
Heptachlor epoxide			

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

Table 9

Analytical Data Summary for MW-22

Constituents	Units	10/15/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	4/24/2017	10/9/2017	3/21/2018	9/7/2018
Hexachlorobenzene	ug/L				<.05					
Hexachlorobutadiene	ug/L				<8					
Hexachlorocyclopentadiene	ug/L				<8					
Hexachloroethane	ug/L				<8					
Hexachloropropene	ug/L				<8					
Indeno(1,2,3-cd)pyrene	ug/L				<8					
Isobutanol	ug/L				<1000					
Isodrin	ug/L				<8					
Isophorone	ug/L				<8					
Isosafrole	ug/L				<8					
Kepone	ug/L				<8					
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total	ug/L				<.5					
Methacrylonitrile	ug/L				<1					
Methapyrilene	ug/L				<8					
Methoxychlor	ug/L				<.05					
Methyl iodide	ug/L	11.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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
Naphthalene	ug/L				<8					
Nickel, total	ug/L	6.9	9.8	6.8	9.6	4.4	7.4	8.2	<20.0	6.5
Nitrobenzene	ug/L				<8					
N-nitrosodiethylamine	ug/L				<8					
N-nitrosodimethylamine	ug/L				<8					
N-nitrosodi-n-butylamine	ug/L				<8					
N-nitroso-di-n-propylamine	ug/L				<8					
N-nitrosodiphenylamine	ug/L				<8					
N-nitrosomethylethylamine	ug/L				<8					
N-nitrosopiperidine	ug/L				<8					
N-nitrosopyrrolidine	ug/L				<8					
O,o,o-triethyl phosphorothioate	ug/L				<.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				<40					
Pyrene	ug/L				<8					
Safrole	ug/L				<8					
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	39	106	101	54	36	108	135		
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L				<.1					
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Thionazin	ug/L				<.4					
Tin, total	ug/L				<20					
Toluene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	1.5	<1.0
Toxaphene	ug/L				<.2					
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<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	<1.0	1.6	1.0	<1.0	<1.0	2.9	<1.0	<1.0	1.5
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20	<8	<8	<8	<8	<8	<8	<8	37

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

Table 9

Analytical Data Summary for MW-22

Constituents	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	3/8/2022	8/30/2022	3/7/2023	3/20/2024
Hexachlorobenzene					.08	<.05			
Hexachlorobutadiene					<8				
Hexachlorocyclopentadiene					<8				
Hexachloroethane					<8				
Hexachloropropene					<8				
Indeno(1,2,3-cd)pyrene					<8				
Isobutanol					<1000				
Isodrin					<8				
Isophorone					<8				
Isosafrole					<8				
Kepona					<8				
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Mercury, total					<.5				
Methacrylonitrile					<1				
Methapyrilene					<8				
Methoxychlor					<.05				
Methyl iodide	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
Methyl methacrylate					<1				
Methyl methanesulfonate					<8				
Methyl parathion					<.4				
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene					<8				
Nickel, total	6.1	6.8	5.4	7.5	5.8	8.7	7.6	7.7	<4.0
Nitrobenzene					<8				
N-nitrosodiethylamine					<8				
N-nitrosodimethylamine					<8				
N-nitrosodi-n-butylamine					<8				
N-nitroso-di-n-propylamine					<8				
N-nitrosodiphenylamine					<8				
N-nitrosomethylethylamine					<8				
N-nitrosopiperidine					<8				
N-nitrosopyrrolidine					<8				
O,o,o-triethyl phosphorothioate					<.4				
O-toluidine					<8				
Parathion					<.4				
P-dimethylaminoazobenzene					<8				
Pentachlorobenzene					<8				
Pentachloronitrobenzene (pcnb)					<8				
Pentachlorophenol					<8				
Phenacetin					<8				
Phenanthrene					<8				
Phenol					<8				
Phorate					<.4				
Pronamide					<8				
Propionitrile					<10				
Pyrene					<8				
Safrole					<8				
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total					<.1				
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin					<.4				
Tin, total					<20				
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toxaphene					<.2				
Trans-1,2-dichloroethylene	<1	<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	1.4	1.8	1.8	1.3	1.1	<1.0	<1.0	1.3	<1.0
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<8	<8	<20	<20	<20	<20	<20	<20	<20

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

Table 9

Analytical Data Summary for MW-22

Constituents	9/12/2024	3/3/2025	9/25/2025
Hexachlorobenzene			
Hexachlorobutadiene			
Hexachlorocyclopentadiene			
Hexachloroethane			
Hexachloropropene			
Indeno(1,2,3-cd)pyrene			
Isobutanol			
Isodrin			
Isophorone			
Isosafrole			
Kepon			
Lead, total	<4	<4	<1
Mercury, total			
Methacrylonitrile			
Methapyrilene			
Methoxychlor			
Methyl iodide	<1.0	<1.0	<1.0
Methyl methacrylate			
Methyl methanesulfonate			
Methyl parathion			
Methylene chloride	<5	<5	<5
Naphthalene			
Nickel, total	7.4	<4.0	5.0
Nitrobenzene			
N-nitrosodiethylamine			
N-nitrosodimethylamine			
N-nitrosodi-n-butylamine			
N-nitroso-di-n-propylamine			
N-nitrosodiphenylamine			
N-nitrosomethylethylamine			
N-nitrosopiperidine			
N-nitrosopyrrolidine			
O,o,o-triethyl phosphorothioate			
O-toluidine			
Parathion			
P-dimethylaminoazobenzene			
Pentachlorobenzene			
Pentachloronitrobenzene (pcnb)			
Pentachlorophenol			
Phenacetin			
Phenanthrene			
Phenol			
Phorate			
Pronamide			
Propionitrile			
Pyrene			
Safrole			
Selenium, total	<4	<4	<2
Silver, total	<4	<4	<5
Solids, total suspended			
Styrene	<1	<1	<1
Sulfide, total			
Tetrachloroethylene	<1	<1	<1
Thallium, total	<2.0	<2.0	<.5
Thionazin			
Tin, total			
Toluene	<1.0	<1.0	<1.0
Toxaphene			
Trans-1,2-dichloroethylene	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5
Trichloroethylene	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1
Vanadium, total	<20	<20	<2
Vinyl acetate	<5	<5	<5
Vinyl chloride	<1.0	<1.0	<1.0
Xylenes, total	<2	<2	<2
Zinc, total	<20	<20	<5

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

Table 9

Analytical Data Summary for MW-23

Constituents	Units	10/16/2014
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	<4
Barium, total	ug/L	48.3
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	<.8
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	<4
Selenium, total	ug/L	<4
Silver, total	ug/L	<4
Solids, total suspended	mg/L	400
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	<20

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

Table 9

Analytical Data Summary for MW-24

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	4/24/2017	10/9/2017	3/21/2018	9/7/2018
(34) -methylphenol	ug/L				<8					
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	ug/L				<1					
1,2,3-trichloropropane	ug/L	<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	<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
1,2-dinitrobenzene	ug/L				<8					
1,3,5-trinitrobenzene	ug/L				<8					
1,3-dichlorobenzene	ug/L				<1					
1,3-dichloropropane	ug/L				<1					
1,3-dinitrobenzene	ug/L				<8					
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
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	<5
2-chloronaphthalene	ug/L				<8					
2-chlorophenol	ug/L				<8					
2-hexanone (mbk)	ug/L	<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
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	58.4	<10.0	<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	<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-24

Constituents	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	5/11/2021	9/28/2021	3/8/2022	8/30/2022
(34) -methylphenol									
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1		<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1		<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1		<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1		<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1		<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1		<1	<1	<1
1,1-dichloropropene									
1,2,3-trichloropropane	<1	<1	<1	<1	<1		<1	<1	<1
1,2,4,5-tetrachlorobenzene									
1,2,4-trichlorobenzene									
1,2-dibromo-3-chloropropane	<1	<1	<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									
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	<10	<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	13.8	<10.0	62.4	<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-24

Constituents	3/7/2023	9/11/2023	3/20/2024	9/12/2024	3/3/2025	9/25/2025
(34) -methylphenol						
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1
1,1-dichloropropene						
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene						
1,2,4-trichlorobenzene						
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene						
1,3,5-trinitrobenzene						
1,3-dichlorobenzene						
1,3-dichloropropane						
1,3-dinitrobenzene						
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone						
1,4-phenylenediamine						
1-naphthylamine						
2,2-dichloropropane						
2,3,4,6-tetrachlorophenol						
2,4,5-t						
2,4,5-tp (silvex)						
2,4,5-trichlorophenol						
2,4,6-trichlorophenol						
2,4-d						
2,4-dichlorophenol						
2,4-dimethylphenol						
2,4-dinitrophenol						
2,4-dinitrotoluene						
2,6-dichlorophenol						
2,6-dinitrotoluene						
2-acetylaminofluorene						
2-butanone (mek)	<10	<10	<10	<10	<10	<10
2-chloronaphthalene						
2-chlorophenol						
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5
2-methylnaphthalene						
2-methylphenol						
2-naphthylamine						
2-nitroaniline						
2-nitrophenol						
3,3'-dichlorobenzidine						
3,3'-dimethylbenzidine						
3-methylcholanthrene						
3-nitroaniline						
4,4'-ddd						
4,4'-dde						
4,4'-ddt						
4,6-dinitro-2-methylphenol						
4-aminobiphenyl						
4-bromophenyl phenyl ether						
4-chloro-3-methylphenol						
4-chloroaniline						
4-chlorophenyl phenyl ether						
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5
4-nitroaniline						
4-nitrophenol						
5-nitro-o-toluidine						
7,12-dimethylbenz(a)anthracene						
Acenaphthene						
Acenaphthylene						
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acetonitrile						
Acetophenone						
Acrolein						
Acrylonitrile	<5	<5	<5	<5	<5	<5
Aldrin						
Allyl chloride						
Alpha-bhc						
Anthracene						

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

Table 9

Analytical Data Summary for MW-24

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	4/24/2017	10/9/2017	3/21/2018	9/7/2018
Antimony, total	ug/L	<2	<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	65.9	25.0	47.2	88.5	51.1	139.0	72.0	155.0	129.0
Azobenzene	ug/L				<8					
Barium, total	ug/L	1150	671	772	975	641	1260	713	1140	968
Benzene	ug/L	<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	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L				<.05					
Bis (2-chloroethoxy) methane	ug/L				<8					
Bis(2-chloroethyl) ether	ug/L				<8					
Bis(2-chloroisopropyl) ether	ug/L				<8					
Bis(2-ethylhexyl) phthalate	ug/L				<8					
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate	ug/L				<8					
Cadmium, total	ug/L	1.6	<.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
Chlordane	ug/L				<.1					
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	ug/L				<8					
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
Chloroprene	ug/L				<1					
Chromium, total	ug/L	37.5	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene	ug/L				<8					
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	37.2	14.0	2.0	3.7	5.6	2.2	1.2	<2.0	.9
Copper, total	ug/L	67.1	10.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide, total	mg/L				<.005					
Delta-bhc	ug/L				<.05					
Diallate	ug/L				<8					
Dibenzo(a,h)anthracene	ug/L				<8					
Dibenzofuran	ug/L				<8					
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<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
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-24

Constituents	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	5/11/2021	9/28/2021	3/8/2022	8/30/2022
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	210.0	117.0	167.0	61.6	133.0		142.0	115.0	101.0
Azobenzene									
Barium, total	1500	1100	1080	638	901		824	801	579
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	1.8	1.0	<.8	<.8	2.4		<.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	<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	2.0	1.6	2.1	.8	1.1		1.0	1.7	.6
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0
Cyanide, total									
Delta-bhc									
Diallate									
Dibenzo(a,h)anthracene									
Dibenzofuran									
Dibromochloromethane	<1	<1	<1	<1	<1		<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1		<1	<1	<1
Dichlorodifluoromethane									
Dieldrin									
Diethyl phthalate									
Dimethoate									
Dimethylphthalate									
Di-n-butyl phthalate									
Di-n-octyl phthalate									
Dinoseb									
Diphenylamine									
Disulfoton									
Endosulfan i									
Endosulfan ii									
Endosulfan sulfate									
Endrin									
Endrin aldehyde									
Ethyl methacrylate									
Ethyl methanesulfonate									
Ethylbenzene	<1	<1	<1	<1	<1		<1	<1	<1
Famphur									
Fluoranthene									
Fluorene									
Gamma-bhc (lindane)									
Heptachlor									
Heptachlor epoxide									
Hexachlorobenzene									

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

Table 9

Analytical Data Summary for MW-24

Constituents	3/7/2023	9/11/2023	3/20/2024	9/12/2024	3/3/2025	9/25/2025
Antimony, total	<2	<2	<2	<2	<2	<1
Arochlor 1016						
Arochlor 1221						
Arochlor 1232						
Arochlor 1242						
Arochlor 1248						
Arochlor 1254						
Arochlor 1260						
Arsenic, total	12.9	57.9	13.3	13.6	22.7	7.4
Azobenzene						
Barium, total	385	508	459	509	585	291
Benzene	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene						
Benzo(a)pyrene						
Benzo(b)fluoranthene						
Benzo(g,h,i)perylene						
Benzo(k)fluoranthene						
Benzyl alcohol						
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<5
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
Bromodichloromethane	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate						
Cadmium, total	<.8	<.8	<.8	.9	<.8	3.7
Carbon disulfide	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Chlordane						
Chlorobenzene	<1	<1	<1	<1	<1	<1
Chlorobenzilate						
Chloroethane	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1
Chloroprene						
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	1.6
Chrysene						
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Cobalt, total	<.4	1.2	<.4	.6	.4	<.5
Copper, total	<4.0	<4.0	<4.0	<4.0	4.9	<5.0
Cyanide, total						
Delta-bhc						
Diallate						
Dibenzo(a,h)anthracene						
Dibenzofuran						
Dibromochloromethane	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane						
Dieldrin						
Diethyl phthalate						
Dimethoate						
Dimethylphthalate						
Di-n-butyl phthalate						
Di-n-octyl phthalate						
Dinoseb						
Diphenylamine						
Disulfoton						
Endosulfan i						
Endosulfan ii						
Endosulfan sulfate						
Endrin						
Endrin aldehyde						
Ethyl methacrylate						
Ethyl methanesulfonate						
Ethylbenzene	<1	<1	<1	<1	<1	<1
Famphur						
Fluoranthene						
Fluorene						
Gamma-bhc (lindane)						
Heptachlor						
Heptachlor epoxide						
Hexachlorobenzene						

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

Table 9

Analytical Data Summary for MW-24

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	4/24/2017	10/9/2017	3/21/2018	9/7/2018
Hexachlorobutadiene	ug/L				<8					
Hexachlorocyclopentadiene	ug/L				<8					
Hexachloroethane	ug/L				<8					
Hexachloropropene	ug/L				<8					
Indeno(1,2,3-cd)pyrene	ug/L				<8					
Isobutanol	ug/L				<1000					
Isodrin	ug/L				<8					
Isophorone	ug/L				<8					
Isosafrole	ug/L				<8					
Kepone	ug/L				<8					
Lead, total	ug/L	27.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Mercury, total	ug/L				<.5					
Methacrylonitrile	ug/L				<1					
Methapyrilene	ug/L				<8					
Methoxychlor	ug/L				<.05					
Methyl iodide	ug/L	<1	<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	<5
Naphthalene	ug/L				<8					
Nickel, total	ug/L	81.2	25.1	<4.0	4.0	<4.0	4.3	<4.0	<20.0	<4.0
Nitrobenzene	ug/L				<8					
N-nitrosodiethylamine	ug/L				<8					
N-nitrosodimethylamine	ug/L				<8					
N-nitrosodi-n-butylamine	ug/L				<8					
N-nitroso-di-n-propylamine	ug/L				<8					
N-nitrosodiphenylamine	ug/L				<8					
N-nitrosomethylethylamine	ug/L				<8					
N-nitrosopiperidine	ug/L				<8					
N-nitrosopyrrolidine	ug/L				<8					
O,o,o-triethyl phosphorothioate	ug/L				<.4					
O-toluidine	ug/L				<8					
Parathion	ug/L				<.4					
P-dimethylaminoazobenzene	ug/L				<8					
Pentachlorobenzene	ug/L				<8					
Pentachloronitrobenzene (pcnb)	ug/L				<8					
Pentachlorophenol	ug/L				<8					
Phenacetin	ug/L				<8					
Phenanthrene	ug/L				<8					
Phenol	ug/L				<8					
Phorate	ug/L				<.4					
Pronamide	ug/L				<8					
Propionitrile	ug/L				<40					
Pyrene	ug/L				<8					
Safrole	ug/L				<8					
Selenium, total	ug/L	16.4	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended	mg/L	966	182	59	111	110	2410	141		
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total	mg/L				.1					
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Thionazin	ug/L				<.4					
Tin, total	ug/L				<20					
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toxaphene	ug/L				<.2					
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	72.3	<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	117.0	16.2	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	106.0

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

Table 9

Analytical Data Summary for MW-24

Constituents	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	5/11/2021	9/28/2021	3/8/2022	8/30/2022
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno(1,2,3-cd)pyrene									
Isobutanol									
Isodrin									
Isophorone									
Isosafrole									
Kepone									
Lead, total	6.8	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0
Mercury, total									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl iodide	<1	<1	<1	<1	<1		<1	<1	<1
Methyl methacrylate									
Methyl methanesulfonate									
Methyl parathion									
Methylene chloride	<5	<5	<5	<5	<5		<5	<5	<5
Naphthalene									
Nickel, total	<4.0	<4.0	<4.0	<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	<4.0	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0
Silver, total	<4	<4	<4	<4	<4		<4	<4	<4
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1		<1	<1	<1
Sulfide, total									
Tetrachloroethylene	<1	<1	<1	<1	<1		<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0		<2.0	<2.0	<2.0
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	<20.0	<20.0	<20.0	<20.0	<20.0		<20.0	<20.0	<20.0
Vinyl acetate	<5	<5	<5	<5	<5		<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1		<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2		<2	<2	<2
Zinc, total	39.2	56.9	<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-24

Constituents	3/7/2023	9/11/2023	3/20/2024	9/12/2024	3/3/2025	9/25/2025
Hexachlorobutadiene						
Hexachlorocyclopentadiene						
Hexachloroethane						
Hexachloropropene						
Indeno(1,2,3-cd)pyrene						
Isobutanol						
Isodrin						
Isophorone						
Isosafrole						
Kepone						
Lead, total	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0
Mercury, total						
Methacrylonitrile						
Methapyrilene						
Methoxychlor						
Methyl iodide	<1	<1	<1	<1	<1	<1
Methyl methacrylate						
Methyl methanesulfonate						
Methyl parathion						
Methylene chloride	<5	<5	<5	<5	<5	<5
Naphthalene						
Nickel, total	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0
Nitrobenzene						
N-nitrosodiethylamine						
N-nitrosodimethylamine						
N-nitrosodi-n-butylamine						
N-nitroso-di-n-propylamine						
N-nitrosodiphenylamine						
N-nitrosomethylethylamine						
N-nitrosopiperidine						
N-nitrosopyrrolidine						
O,o,o-triethyl phosphorothioate						
O-toluidine						
Parathion						
P-dimethylaminoazobenzene						
Pentachlorobenzene						
Pentachloronitrobenzene (pcnb)						
Pentachlorophenol						
Phenacetin						
Phenanthrene						
Phenol						
Phorate						
Pronamide						
Propionitrile						
Pyrene						
Safrole						
Selenium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<2.0
Silver, total	<4	<4	<4	<4	<4	<5
Solids, total suspended						
Styrene	<1	<1	<1	<1	<1	<1
Sulfide, total						
Tetrachloroethylene	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<.5
Thionazin						
Tin, total						
Toluene	<1	<1	<1	<1	<1	<1
Toxaphene						
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1
Vanadium, total	<20.0	<20.0	<20.0	<20.0	<20.0	<2.0
Vinyl acetate	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	10.1

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

Table 9

Analytical Data Summary for MW-25

Constituents	Units	4/4/2016	9/20/2016	4/24/2017	10/9/2017	3/21/2018	9/7/2018	4/2/2019	3/25/2020
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	<4.0	4.2	<4.0	4.0	<4.0	<4.0	<4.0	<4.0
Barium, total	ug/L	94.90000	105.00000	109.00000	98.40000	85.30000	150.00000	102.00000	84.50000
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			.8					
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			<4					
Selenium, total	ug/L			<4					
Silver, total	ug/L			<4					
Solids, total suspended	mg/L	31	36	373	611				
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	<1	<1	<1	<1	<1	<1	<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 MW-25

Constituents	9/15/2020	3/8/2021	9/28/2021	3/8/2022	8/30/2022	3/7/2023	9/11/2023	3/20/2024	9/12/2024
1,1,1,2-tetrachloroethane									
1,1,1-trichloroethane									
1,1,2,2-tetrachloroethane									
1,1,2-trichloroethane									
1,1-dichloroethane									
1,1-dichloroethylene									
1,2,3-trichloropropane									
1,2-dibromo-3-chloropropane									
1,2-dibromoethane									
1,2-dichlorobenzene									
1,2-dichloroethane									
1,2-dichloropropane									
1,4-dichlorobenzene									
2-butanone (mek)									
2-hexanone (mbk)									
4-methyl-2-pentanone (mibk)									
Acetone									
Acrylonitrile									
Antimony, total									
Arsenic, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	27.4	4.7
Barium, total	102.00000	91.39999	107.00000	71.40000	113.00000	105.00000	118.00000	515.00000	131.00000
Benzene									
Beryllium, total									
Bromochloromethane									
Bromodichloromethane									
Bromoform									
Bromomethane									
Cadmium, total									
Carbon disulfide									
Carbon tetrachloride									
Chlorobenzene									
Chloroethane									
Chloroform									
Chloromethane									
Chromium, total									
Cis-1,2-dichloroethylene									
Cis-1,3-dichloropropene									
Cobalt, total									
Copper, total									
Dibromochloromethane									
Dibromomethane									
Ethylbenzene									
Lead, total									
Methyl iodide									
Methylene chloride									
Nickel, total									
Selenium, total									
Silver, total									
Solids, total suspended									
Styrene									
Tetrachloroethylene									
Thallium, total									
Toluene									
Trans-1,2-dichloroethylene									
Trans-1,3-dichloropropene									
Trans-1,4-dichloro-2-butene									
Trichloroethylene									
Trichlorofluoromethane									
Vanadium, total									
Vinyl acetate									
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total									
Zinc, total									

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

Table 9

Analytical Data Summary for MW-25

Constituents	3/3/2025	9/25/2025
1,1,1,2-tetrachloroethane		
1,1,1-trichloroethane		
1,1,2,2-tetrachloroethane		
1,1,2-trichloroethane		
1,1-dichloroethane		
1,1-dichloroethylene		
1,2,3-trichloropropane		
1,2-dibromo-3-chloropropane		
1,2-dibromoethane		
1,2-dichlorobenzene		
1,2-dichloroethane		
1,2-dichloropropane		
1,4-dichlorobenzene		
2-butanone (mek)		
2-hexanone (mbk)		
4-methyl-2-pentanone (mibk)		
Acetone		
Acrylonitrile		
Antimony, total		
Arsenic, total	<4.0	5.6
Barium, total	85.80000	161.00000
Benzene		
Beryllium, total		
Bromochloromethane		
Bromodichloromethane		
Bromoform		
Bromomethane		
Cadmium, total		
Carbon disulfide		
Carbon tetrachloride		
Chlorobenzene		
Chloroethane		
Chloroform		
Chloromethane		
Chromium, total		
Cis-1,2-dichloroethylene		
Cis-1,3-dichloropropene		
Cobalt, total		
Copper, total		
Dibromochloromethane		
Dibromomethane		
Ethylbenzene		
Lead, total		
Methyl iodide		
Methylene chloride		
Nickel, total		
Selenium, total		
Silver, total		
Solids, total suspended		
Styrene		
Tetrachloroethylene		
Thallium, total		
Toluene		
Trans-1,2-dichloroethylene		
Trans-1,3-dichloropropene		
Trans-1,4-dichloro-2-butene		
Trichloroethylene		
Trichlorofluoromethane		
Vanadium, total		
Vinyl acetate		
Vinyl chloride	<1	<1
Xylenes, total		
Zinc, total		

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

Table 9

Analytical Data Summary for MW-26

Constituents	Units	4/4/2016	9/20/2016	11/8/2016	4/24/2017	10/9/2017	3/21/2018	9/7/2018	4/2/2019	9/18/2019
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	17.7	19.7	10.7	19.8	26.2	31.6	72.6	74.9	44.2
Barium, total	ug/L	581.0	592.0		552.0	706.0	588.0	1170.0	986.0	879.0
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				1.6					
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				3.6					
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				<4					
Selenium, total	ug/L				<4					
Silver, total	ug/L				<4					
Solids, total suspended	mg/L	472	331		1100	1070				
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	<1		<1	<1	<1	<1	<1	<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 MW-26

Constituents	3/25/2020	9/15/2020	3/8/2021	9/28/2021	3/8/2022	8/30/2022	3/7/2023	9/11/2023	3/20/2024
1,1,1,2-tetrachloroethane									
1,1,1-trichloroethane									
1,1,2,2-tetrachloroethane									
1,1,2-trichloroethane									
1,1-dichloroethane									
1,1-dichloroethylene									
1,2,3-trichloropropane									
1,2-dibromo-3-chloropropane									
1,2-dibromoethane									
1,2-dichlorobenzene									
1,2-dichloroethane									
1,2-dichloropropane									
1,4-dichlorobenzene									
2-butanone (mek)									
2-hexanone (mbk)									
4-methyl-2-pentanone (mibk)									
Acetone									
Acrylonitrile									
Antimony, total									
Arsenic, total	55.0	59.0	17.0	81.9	7.2	203.0	23.8	101.0	<4.0
Barium, total	692.0	1130.0	428.0	1250.0	232.0	1620.0	341.0	1250.0	94.1
Benzene									
Beryllium, total									
Bromochloromethane									
Bromodichloromethane									
Bromoform									
Bromomethane									
Cadmium, total									
Carbon disulfide									
Carbon tetrachloride									
Chlorobenzene									
Chloroethane									
Chloroform									
Chloromethane									
Chromium, total									
Cis-1,2-dichloroethylene									
Cis-1,3-dichloropropene									
Cobalt, total									
Copper, total									
Dibromochloromethane									
Dibromomethane									
Ethylbenzene									
Lead, total									
Methyl iodide									
Methylene chloride									
Nickel, total									
Selenium, total									
Silver, total									
Solids, total suspended									
Styrene									
Tetrachloroethylene									
Thallium, total									
Toluene									
Trans-1,2-dichloroethylene									
Trans-1,3-dichloropropene									
Trans-1,4-dichloro-2-butene									
Trichloroethylene									
Trichlorofluoromethane									
Vanadium, total									
Vinyl acetate									
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total									
Zinc, total									

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

Table 9

Analytical Data Summary for MW-26

Constituents	9/12/2024	3/3/2025	9/25/2025
1,1,1,2-tetrachloroethane			
1,1,1-trichloroethane			
1,1,2,2-tetrachloroethane			
1,1,2-trichloroethane			
1,1-dichloroethane			
1,1-dichloroethylene			
1,2,3-trichloropropane			
1,2-dibromo-3-chloropropane			
1,2-dibromoethane			
1,2-dichlorobenzene			
1,2-dichloroethane			
1,2-dichloropropane			
1,4-dichlorobenzene			
2-butanone (mek)			
2-hexanone (mbk)			
4-methyl-2-pentanone (mibk)			
Acetone			
Acrylonitrile			
Antimony, total			
Arsenic, total	14.3	21.2	12.9
Barium, total	420.0	517.0	357.0
Benzene			
Beryllium, total			
Bromochloromethane			
Bromodichloromethane			
Bromoform			
Bromomethane			
Cadmium, total			
Carbon disulfide			
Carbon tetrachloride			
Chlorobenzene			
Chloroethane			
Chloroform			
Chloromethane			
Chromium, total			
Cis-1,2-dichloroethylene			
Cis-1,3-dichloropropene			
Cobalt, total			
Copper, total			
Dibromochloromethane			
Dibromomethane			
Ethylbenzene			
Lead, total			
Methyl iodide			
Methylene chloride			
Nickel, total			
Selenium, total			
Silver, total			
Solids, total suspended			
Styrene			
Tetrachloroethylene			
Thallium, total			
Toluene			
Trans-1,2-dichloroethylene			
Trans-1,3-dichloropropene			
Trans-1,4-dichloro-2-butene			
Trichloroethylene			
Trichlorofluoromethane			
Vanadium, total			
Vinyl acetate			
Vinyl chloride	<1	<1	<1
Xylenes, total			
Zinc, total			

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

Table 9

Analytical Data Summary for MW-4

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	11/8/2016	4/24/2017	10/9/2017
(3,4)-Methylphenol	ug/L					<8			
(3,4)-methylphenol	ug/L					<1			
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	<1.0	<1.0	1.0	<1.0		1.7	2.6
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	1.2	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0
1,2-dinitrobenzene	ug/L					<8			
1,3,5-trinitrobenzene	ug/L					<8			
1,3-dichlorobenzene	ug/L					<1			
1,3-dichloropropane	ug/L					<1			
1,3-dinitrobenzene	ug/L					<8			
1,4-dichlorobenzene	ug/L	6.8	5.1	3.9	5.3	3.5		5.0	6.5
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					<.07			
4,4'-dde	ug/L					<.07			
4,4'-ddt	ug/L					<.07			
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	11.2
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					<.07			
Allyl chloride	ug/L					<1			
Alpha-bhc	ug/L					<.07			

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

Table 9

Analytical Data Summary for MW-4

Constituents	3/21/2018	9/7/2018	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	9/28/2021	12/3/2021
(3,4)-Methylphenol								<8	
(3,4)-methylphenol								<1	
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	2.6	<1.0	<1.0	<1.0	<1.0	1.9	<1.0	1.1	
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	
1,1-dichloropropene								<1	
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	
1,2,4,5-tetrachlorobenzene								<8	
1,2,4-trichlorobenzene								<1	
1,2-dibromo-3-chloropropane	<1	<1	<1	<1	<5	<5	<5	<1	
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	1.6	<1.0	<1.0	<1.0	1.4	
1,2-dinitrobenzene								<8	
1,3,5-trinitrobenzene								<8	
1,3-dichlorobenzene								<1	
1,3-dichloropropane								<1	
1,3-dinitrobenzene								<8	
1,4-dichlorobenzene	6.3	4.9	10.4	7.5	<1.0	6.2	6.3	6.0	
1,4-naphthoquinone								<8	
1,4-phenylenediamine								<8	
1-naphthylamine								<8	
2,2-dichloropropane								<1	
2,3,4,6-tetrachlorophenol								<8	
2,4,5-t								<.7	
2,4,5-tp (silvex)								<.7	
2,4,5-trichlorophenol								<8	
2,4,6-trichlorophenol								<8	
2,4-d								<2.7	
2,4-dichlorophenol								<8	
2,4-dimethylphenol								<8	
2,4-dinitrophenol								<8	
2,4-dinitrotoluene								<8	
2,6-dichlorophenol								<8	
2,6-dinitrotoluene								<8	
2-acetylaminofluorene								<8	
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<5	
2-chloronaphthalene								<8	
2-chlorophenol								<8	
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	
2-methylnaphthalene								<8	
2-methylphenol								<8	
2-naphthylamine								<8	
2-nitroaniline								<8	
2-nitrophenol								<8	
3,3'-dichlorobenzidine								<8	
3,3'-dimethylbenzidine								<8	
3-methylcholanthrene								<8	
3-nitroaniline								<8	
4,4'-ddd								<.05	
4,4'-dde								<.05	
4,4'-ddt								<.05	
4,6-dinitro-2-methylphenol								<8	
4-aminobiphenyl								<8	
4-bromophenyl phenyl ether								<8	
4-chloro-3-methylphenol								<8	
4-chloroaniline								<8	
4-chlorophenyl phenyl ether								<8	
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	
4-nitroaniline								<8	
4-nitrophenol								<8	
5-nitro-o-toluidine								<8	
7,12-dimethylbenz(a)anthracene								<8	
Acenaphthene								<8	
Acenaphthylene								<8	
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	43.4	
Acetonitrile								<10	
Acetophenone								<8	
Acrolein								<10	
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	
Aldrin								<.05	
Allyl chloride								<1	
Alpha-bhc								<.05	

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

Table 9

Analytical Data Summary for MW-4

Constituents	3/8/2022	8/30/2022	3/7/2023	9/11/2023	3/20/2024	9/12/2024	3/3/2025	9/25/2025
(3,4)-Methylphenol								
(3,4)-methylphenol								
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
1,1-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	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1.0	<1.0	1.1	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	5.8	4.6	5.7	7.4	6.0	5.9	5.3	5.7
1,4-naphthoquinone								
1,4-phenylenediamine								
1-naphthylamine								
2,2-dichloropropane								
2,3,4,6-tetrachlorophenol								
2,4,5-t								
2,4,5-tp (silvex)								
2,4,5-trichlorophenol								
2,4,6-trichlorophenol								
2,4-d								
2,4-dichlorophenol								
2,4-dimethylphenol								
2,4-dinitrophenol								
2,4-dinitrotoluene								
2,6-dichlorophenol								
2,6-dinitrotoluene								
2-acetylaminofluorene								
2-butanone (mek)	<10	<10	<10	<10	<10	<10	<10	<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								

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

Table 9

Analytical Data Summary for MW-4

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	11/8/2016	4/24/2017	10/9/2017
Anthracene	ug/L					<8			
Antimony, total	ug/L	<2	<2	<2	<2	<2		<2	<2
Arochlor 1016	ug/L					<.15			
Arochlor 1221	ug/L					<.29			
Arochlor 1232	ug/L					<.29			
Arochlor 1242	ug/L					<.29			
Arochlor 1248	ug/L					<.29			
Arochlor 1254	ug/L					<.15			
Arochlor 1260	ug/L					<.15			
Arsenic, total	ug/L	51.7	70.6	57.6	65.0	61.4		58.5	55.1
Azobenzene	ug/L					<8			
Barium, total	ug/L	1780	1570	1480	1370	1440		1120	1120
Benzene	ug/L	2.4	1.6	1.3	1.4	1.2		1.2	1.3
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					<.07			
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		
Bromochloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Butyl benzyl phthalate	ug/L					<8			
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8		<.8	<.8
Carbon disulfide	ug/L	<1	<1	<1	<1	<1		<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1		<1	<1
Chlordane	ug/L					<.15			
Chlorobenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
Chlorobenzilate	ug/L					<8			
Chloroethane	ug/L	4.7	2.1	3.0	3.1	3.9		2.3	3.0
Chloroform	ug/L	<1	<1	<1	<1	<1		<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Chloroprene	ug/L					<1			
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0		<8.0	<8.0
Chrysene	ug/L					<8			
Cis-1,2-dichloroethylene	ug/L	2.2	<1.0	2.1	<1.0	1.4		<1.0	2.0
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1		<1	<1
Cobalt, total	ug/L	4.1	2.9	1.1	3.0	2.8		1.5	1.3
Copper, total	ug/L	4.6	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0
Cyanide, total	mg/L					<.005			
Delta-bhc	ug/L					<.07			
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	3.7	1.1	<1.0	1.4	1.1		1.3	1.0
Dieldrin	ug/L					<.07			
Diethyl phthalate	ug/L					<8			
Dimethoate	ug/L					<.5			
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					<.5			
Endosulfan i	ug/L					<.07			
Endosulfan ii	ug/L					<.07			
Endosulfan sulfate	ug/L					<.07			
Endrin	ug/L					<.07			
Endrin aldehyde	ug/L					<.07			
Ethyl methacrylate	ug/L					<10			
Ethyl methanesulfonate	ug/L					<8			
Ethylbenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
Famphur	ug/L					<.5			
Fluoranthene	ug/L					<8			
Fluorene	ug/L					<8			
Gamma-bhc (lindane)	ug/L					<.07			
Heptachlor	ug/L					<.07			
Heptachlor epoxide	ug/L					<.07			

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

Table 9

Analytical Data Summary for MW-4

Constituents	3/21/2018	9/7/2018	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	9/28/2021	12/3/2021
Anthracene								<8	
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	
Arochlor 1016								<.10	
Arochlor 1221								<.20	
Arochlor 1232								<.20	
Arochlor 1242								<.20	
Arochlor 1248								<.20	
Arochlor 1254								<.10	
Arochlor 1260								<.10	
Arsenic, total	88.0	62.2	27.1	74.2	62.7	57.0	61.6	69.7	
Azobenzene								<8	
Barium, total	1120	1100	1070	1270	1220	1220	1100	1140	
Benzene	1.5	<1.0	1.0	<1.0	1.2	1.3	1.6	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	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	
Beta-bhc								<.05	
Bis (2-chloroethoxy) methane								<8	
Bis(2-chloroethyl) ether								<8	
Bis(2-chloroisopropyl) ether								<8	
Bis(2-ethylhexyl) phthalate								12	
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	1.7	<.8	<.8	<.8	<.8	<.8	1.3	
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	
Chlordane								<.10	
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	
Chlorobenzilate								<8	
Chloroethane	2.4	2.5	2.1	2.9	1.5	5.0	1.4	2.4	
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	
Chloroprene								<1	
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	
Chrysene								<8	
Cis-1,2-dichloroethylene	<1.0	<1.0	<1.0	3.2	<1.0	1.6	<1.0	2.1	
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	
Cobalt, total	1.4	1.4	<.8	1.2	1.3	1.7	1.3	7.5	
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	6.7	<4.0
Cyanide, total								<.005	
Delta-bhc								<.05	
Diallate								<8	
Dibenzo(a,h)anthracene								<8	
Dibenzofuran								<8	
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	
Dichlorodifluoromethane	<1.0	<1.0	2.6	<1.0	1.1	<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								<.7	
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	

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

Table 9

Analytical Data Summary for MW-4

Constituents	3/8/2022	8/30/2022	3/7/2023	9/11/2023	3/20/2024	9/12/2024	3/3/2025	9/25/2025
Anthracene								
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<1
Arochlor 1016								
Arochlor 1221								
Arochlor 1232								
Arochlor 1242								
Arochlor 1248								
Arochlor 1254								
Arochlor 1260								
Arsenic, total	59.6	93.6	50.8	60.7	57.2	58.4	62.2	67.5
Azobenzene								
Barium, total	931	995	890	1010	1010	1020	940	1100
Benzene	1.7	1.2	1.5	1.7	1.4	1.3	1.1	1.4
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	<5
Beta-bhc								
Bis (2-chloroethoxy) methane								
Bis(2-chloroethyl) ether								
Bis(2-chloroisopropyl) ether								
Bis(2-ethylhexyl) phthalate								
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<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	1.8	<.8	<.8	<.8	<.2
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1
Chlordane								
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate								
Chloroethane	1.2	1.9	1.4	2.0	1.4	1.3	<1.0	2.2
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	33.9	<8.0	<8.0	<8.0	1.1
Chrysene								
Cis-1,2-dichloroethylene	<1.0	4.5	<1.0	2.7	<1.0	2.4	<1.0	1.7
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	1.7	1.4	1.6	10.9	1.5	1.5	1.0	1.4
Copper, total	<4.0	<4.0	<4.0	8.7	<4.0	<4.0	<4.0	<5.0
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	<1.0							
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								

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

Table 9

Analytical Data Summary for MW-4

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	11/8/2016	4/24/2017	10/9/2017
Hexachlorobenzene	ug/L					<.07			
Hexachlorobutadiene	ug/L					<8			
Hexachlorocyclopentadiene	ug/L					<8			
Hexachloroethane	ug/L					<8			
Hexachloropropene	ug/L					<8			
Indeno(1,2,3-cd)pyrene	ug/L					<8			
Isobutanol	ug/L					<1000			
Isodrin	ug/L					<8			
Isophorone	ug/L					<8			
Isosafrole	ug/L					<8			
Kepon	ug/L					<8			
Lead, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Mercury, total	ug/L					<.5			
Methacrylonitrile	ug/L					<1			
Methapyriline	ug/L					<8			
Methoxychlor	ug/L					<.07			
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					<.5			
Methylene chloride	ug/L	<5	<5	<5	<5	<5		<5	<5
Naphthalene	ug/L					<8			
Nickel, total	ug/L	11.3	7.3	<4.0	7.5	<4.0		<4.0	<4.0
Nitrobenzene	ug/L					<8			
N-nitrosodiethylamine	ug/L					<8			
N-nitrosodimethylamine	ug/L					<8			
N-nitrosodi-n-butylamine	ug/L					<8			
N-nitroso-di-n-propylamine	ug/L					<8			
N-nitrosodiphenylamine	ug/L					<8			
N-nitrosomethylethylamine	ug/L					<8			
N-nitrosopiperidine	ug/L					<8			
N-nitrosopyrrolidine	ug/L					<8			
O,o,o-triethyl phosphorothioate	ug/L					<.5			
O-toluidine	ug/L					<8			
Parathion	ug/L					<.5			
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					<.5			
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	198	166	151	98	227		136	218
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	<1.0	<4.0	<4.0		<4.0	<4.0
Thionazin	ug/L					<.5			
Tin, total	ug/L					<20			
Toluene	ug/L	<1	<1	<1	<1	<1		<1	<1
Toxaphene	ug/L					<.29			
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	4.9	1.3	2.3	<1.0	2.2		<1.0	1.8
Xylenes, total	ug/L	<2	<2	<2	<2	<2		<2	<2
Zinc, total	ug/L	<20.0	<8.0	11.1	10.9	10.7		<8.0	<8.0

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

Table 9

Analytical Data Summary for MW-4

Constituents	3/21/2018	9/7/2018	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	9/28/2021	12/3/2021
Hexachlorobenzene								<.05	
Hexachlorobutadiene								<8	
Hexachlorocyclopentadiene								<8	
Hexachloroethane								<8	
Hexachloropropene								<8	
Indeno(1,2,3-cd)pyrene								<8	
Isobutanol								<1000	
Isodrin								<8	
Isophorone								<8	
Isosafrole								<8	
Kepon								<8	
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	
Mercury, total								<.5	
Methacrylonitrile								<1	
Methapyrene								<8	
Methoxychlor								<.05	
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<2	
Methyl methacrylate								<1	
Methyl methanesulfonate								<8	
Methyl parathion								<.4	
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	
Naphthalene								<8	
Nickel, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	26.4	5.2
Nitrobenzene								<8	
N-nitrosodiethylamine								<8	
N-nitrosodimethylamine								<8	
N-nitrosodi-n-butylamine								<8	
N-nitroso-di-n-propylamine								<8	
N-nitrosodiphenylamine								<8	
N-nitrosomethylethylamine								<8	
N-nitrosopiperidine								<8	
N-nitrosopyrrolidine								<8	
O,o,o-triethyl phosphorothioate								<.4	
O-toluidine								<8	
Parathion								<.4	
P-dimethylaminoazobenzene								<8	
Pentachlorobenzene								<8	
Pentachloronitrobenzene (pcnb)								<8	
Pentachlorophenol								<8	
Phenacetin								<8	
Phenanthrene								<8	
Phenol								<8	
Phorate								<.4	
Pronamide								<8	
Propionitrile								<10	
Pyrene								<8	
Safrole								<8	
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	
Solids, total suspended									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	
Sulfide, total								<.1	
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	
Thallium, total	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Thionazin								<.4	
Tin, total								<20	
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	
Toxaphene								<.20	
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	1.8	1.9	1.8	1.8	1.0	3.3	<1.0	2.8	
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	
Zinc, total	<8.0	109.0	40.9	86.5	<20.0	<20.0	<20.0	29.2	

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

Table 9

Analytical Data Summary for MW-4

Constituents	3/8/2022	8/30/2022	3/7/2023	9/11/2023	3/20/2024	9/12/2024	3/3/2025	9/25/2025
Hexachlorobenzene								
Hexachlorobutadiene								
Hexachlorocyclopentadiene								
Hexachloroethane								
Hexachloropropene								
Indeno(1,2,3-cd)pyrene								
Isobutanol								
Isodrin								
Isophorone								
Isosafrole								
Kepona								
Lead, total	<4	<4	<4	<4	<4	<4	<4	<1
Mercury, total								
Methacrylonitrile								
Methapyrilene								
Methoxychlor								
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1
Methyl methacrylate								
Methyl methanesulfonate								
Methyl parathion								
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene								
Nickel, total	4.5	4.6	<4.0	52.8	<4.0	<4.0	<4.0	<5.0
Nitrobenzene								
N-nitrosodiethylamine								
N-nitrosodimethylamine								
N-nitrosodi-n-butylamine								
N-nitroso-di-n-propylamine								
N-nitrosodiphenylamine								
N-nitrosomethylethylamine								
N-nitrosopiperidine								
N-nitrosopyrrolidine								
O,o,o-triethyl phosphorothioate								
O-toluidine								
Parathion								
P-dimethylaminoazobenzene								
Pentachlorobenzene								
Pentachloronitrobenzene (pcnb)								
Pentachlorophenol								
Phenacetin								
Phenanthrene								
Phenol								
Phorate								
Pronamide								
Propionitrile								
Pyrene								
Safrole								
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<2
Silver, total	<4	<4	<4	<4	<4	<4	<4	<5
Solids, total suspended								
Styrene	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide, total								
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5
Thionazin								
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	<2
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1.0	1.8	<1.0	4.2	<1.0	<1.0	<1.0	2.0
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	75.7	<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-5

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	11/8/2016	4/24/2017	10/9/2017
(3,4)-Methylphenol	ug/L					<8			
(3,4)-methylphenol	ug/L					<1			
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1		<1	<1
1,1-dichloropropene	ug/L					<1			
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2,4,5-tetrachlorobenzene	ug/L					<8			
1,2,4-trichlorobenzene	ug/L					<1			
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1		<1	<1
1,2-dinitrobenzene	ug/L					<8			
1,3,5-trinitrobenzene	ug/L					<8			
1,3-dichlorobenzene	ug/L					<1			
1,3-dichloropropane	ug/L					<1			
1,3-dinitrobenzene	ug/L					<8			
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1		<1	<1
1,4-naphthoquinone	ug/L					<8			
1,4-phenylenediamine	ug/L					<8			
1-naphthylamine	ug/L					<8			
2,2-dichloropropane	ug/L					<1			
2,3,4,6-tetrachlorophenol	ug/L					<8			
2,4,5-t	ug/L					<.5			
2,4,5-tp (silvex)	ug/L					<.5			
2,4,5-trichlorophenol	ug/L					<8			
2,4,6-trichlorophenol	ug/L					<8			
2,4-d	ug/L					<2			
2,4-dichlorophenol	ug/L					<8			
2,4-dimethylphenol	ug/L					<8			
2,4-dinitrophenol	ug/L					<8			
2,4-dinitrotoluene	ug/L					<8			
2,6-dichlorophenol	ug/L					<8			
2,6-dinitrotoluene	ug/L					<8			
2-acetylaminofluorene	ug/L					<8			
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5		<5	<5
2-chloronaphthalene	ug/L					<8			
2-chlorophenol	ug/L					<8			
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5		<5	<5
2-methylnaphthalene	ug/L					<8			
2-methylphenol	ug/L					<8			
2-naphthylamine	ug/L					<8			
2-nitroaniline	ug/L					<8			
2-nitrophenol	ug/L					<8			
3,3'-dichlorobenzidine	ug/L					<8			
3,3'-dimethylbenzidine	ug/L					<8			
3-methylcholanthrene	ug/L					<8			
3-nitroaniline	ug/L					<8			
4,4'-ddd	ug/L					<.05			
4,4'-dde	ug/L					<.05			
4,4'-ddt	ug/L					<.05			
4,6-dinitro-2-methylphenol	ug/L					<8			
4-aminobiphenyl	ug/L					<8			
4-bromophenyl phenyl ether	ug/L					<8			
4-chloro-3-methylphenol	ug/L					<8			
4-chloroaniline	ug/L					<8			
4-chlorophenyl phenyl ether	ug/L					<8			
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5		<5	<5
4-nitroaniline	ug/L					<8			
4-nitrophenol	ug/L					<8			
5-nitro-o-toluidine	ug/L					<8			
7,12-dimethylbenz(a)anthracene	ug/L					<8			
Acenaphthene	ug/L					<8			
Acenaphthylene	ug/L					<8			
Acetone	ug/L	<10	<10	<10	<10	<10		<10	<10
Acetonitrile	ug/L					<10			
Acetophenone	ug/L					<8			
Acrolein	ug/L					<10			
Acrylonitrile	ug/L	<5	<5	<5	<5	<5		<5	<5
Aldrin	ug/L					<.05			
Allyl chloride	ug/L					<1			
Alpha-bhc	ug/L					<.05			

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

Table 9

Analytical Data Summary for MW-5

Constituents	3/21/2018	9/7/2018	4/2/2019	6/5/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	9/28/2021	3/8/2022
(3,4)-Methylphenol						<8				
(3,4)-methylphenol					<8					
1,1,1,2-tetrachloroethane	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,1-dichloropropene					<1	<1				
1,2,3-trichloropropane	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene					<8	<8				
1,2,4-trichlorobenzene					<1	<1				
1,2-dibromo-3-chloropropane	<1	<1	<1		<1	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene					<8	<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
1,4-naphthoquinone					<8	<8				
1,4-phenylenediamine					<8	<8				
1-naphthylamine					<8	<8				
2,2-dichloropropane					<1	<1				
2,3,4,6-tetrachlorophenol					<8	<8				
2,4,5-t					<5	<5				
2,4,5-tp (silvex)					<5	<5				
2,4,5-trichlorophenol					<8	<8				
2,4,6-trichlorophenol					<8	<8				
2,4-d					<2	<2				
2,4-dichlorophenol					<8	<8				
2,4-dimethylphenol					<8	<8				
2,4-dinitrophenol					<8	<8				
2,4-dinitrotoluene					<8	<8				
2,6-dichlorophenol					<8	<8				
2,6-dinitrotoluene					<8	<8				
2-acetylaminofluorene					<8	<8				
2-butanone (mek)	<5	<5	<5		<5	<5	<5	<5	<5	<10
2-chloronaphthalene					<8	<8				
2-chlorophenol					<8	<8				
2-hexanone (mbk)	<5	<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	<.05			
4,4'-dde					<.05	<.05	<.05			
4,4'-ddt					<.05	<.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	<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	<10
Acetonitrile					<10	<10				
Acetophenone					<8	<8				
Acrolein					<10	<10				
Acrylonitrile	<5	<5	<5		<5	<5	<5	<5	<5	<5
Aldrin					<.05	<.05	<.05			
Allyl chloride					<1	<1				
Alpha-bhc					<.05	8.52	<.05			

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

Table 9

Analytical Data Summary for MW-5

Constituents	8/30/2022	3/7/2023	9/11/2023	3/20/2024	9/12/2024	3/3/2025	9/25/2025
(3 4)-Methylphenol					<8		
(34) -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		
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	<1	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene					<8		
1,3,5-trinitrobenzene					<8		
1,3-dichlorobenzene					<1		
1,3-dichloropropane					<1		
1,3-dinitrobenzene					<8		
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone					<8		
1,4-phenylenediamine					<8		
1-naphthylamine					<8		
2,2-dichloropropane					<1		
2,3,4,6-tetrachlorophenol					<8		
2,4,5-t					<.5		
2,4,5-tp (silvex)					<.5		
2,4,5-trichlorophenol					<8		
2,4,6-trichlorophenol					<8		
2,4-d					<2		
2,4-dichlorophenol					<8		
2,4-dimethylphenol					<8		
2,4-dinitrophenol					<8		
2,4-dinitrotoluene					<8		
2,6-dichlorophenol					<8		
2,6-dinitrotoluene					<8		
2-acetylaminofluorene					<8		
2-butanone (mek)	<10	<10	<10	<10	<5	<10	<10
2-chloronaphthalene					<8		
2-chlorophenol					<8		
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene					<8		
2-methylphenol					<8		
2-naphthylamine					<8		
2-nitroaniline					<8		
2-nitrophenol					<8		
3,3'-dichlorobenzidine					<8		
3,3'-dimethylbenzidine					<8		
3-methylcholanthrene					<8		
3-nitroaniline					<8		
4,4'-ddd					<.05		
4,4'-dde					<.05		
4,4'-ddt					<.05		
4,6-dinitro-2-methylphenol					<8		
4-aminobiphenyl					<8		
4-bromophenyl phenyl ether					<8		
4-chloro-3-methylphenol					<8		
4-chloroaniline					<8		
4-chlorophenyl phenyl ether					<8		
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline					<8		
4-nitrophenol					<8		
5-nitro-o-toluidine					<8		
7,12-dimethylbenz(a)anthracene					<8		
Acenaphthene					<8		
Acenaphthylene					<8		
Acetone	<10	<10	<10	<10	<10	<10	<10
Acetonitrile					<10		
Acetophenone					<8		
Acrolein					<10		
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5
Aldrin					<.05		
Allyl chloride					<1		
Alpha-bhc					<.05		

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

Table 9

Analytical Data Summary for MW-5

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	11/8/2016	4/24/2017	10/9/2017
Anthracene	ug/L					<8			
Antimony, total	ug/L	<2	<2	<2	<2	<2		<2	<2
Arochlor 1016	ug/L					<1			
Arochlor 1221	ug/L					<2			
Arochlor 1232	ug/L					<2			
Arochlor 1242	ug/L					<2			
Arochlor 1248	ug/L					<2			
Arochlor 1254	ug/L					<1			
Arochlor 1260	ug/L					<1			
Arsenic, total	ug/L	8.0	4.3	61.9	11.9	12.6		17.4	22.4
Azobenzene	ug/L					<8			
Barium, total	ug/L	154	158	174	179	194		207	155
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					10	<10		
Bromochloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1		<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Butyl benzyl phthalate	ug/L					<8			
Cadmium, total	ug/L	<.8	<.8	<.8	.9	<.8		<.8	2.6
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	3.2	<1.0	2.0	2.7	<1.0		1.9	<1.0
Chloroform	ug/L	<1	<1	<1	<1	<1		<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1		<1	<1
Chloroprene	ug/L					<1			
Chromium, total	ug/L	<8	<8	<8	<8	<8		<8	<8
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	9.7	5.5	5.0	5.2	8.7		6.0	4.8
Copper, total	ug/L	4.0	<4.0	4.2	<4.0	7.7		<4.0	4.7
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					64	<10		
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			

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

Table 9

Analytical Data Summary for MW-5

Constituents	3/21/2018	9/7/2018	4/2/2019	6/5/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	9/28/2021	3/8/2022
Anthracene					<8	<8				
Antimony, total	<2	<2	<2		<2	<2	<2	<2	<2	<2
Arochlor 1016					<1	<1				
Arochlor 1221					<2	<2				
Arochlor 1232					<2	<2				
Arochlor 1242					<2	<2				
Arochlor 1248					<2	<2				
Arochlor 1254					<1	<1				
Arochlor 1260					<1	<1				
Arsenic, total	<4.0	10.1	6.6		18.7	30.8	41.9	14.6	76.7	12.1
Azobenzene					<8	<8				
Barium, total	144	186	197		225	255	221	227	260	201
Benzene	<1	<1	<1		<1	<1	<1	<1	<1	<1
Benzo(a)anthracene					<8	<8				
Benzo(a)pyrene					<8	<8				
Benzo(b)fluoranthene					<8	<8				
Benzo(g,h,i)perylene					<8	<8				
Benzo(k)fluoranthene					<8	<8				
Benzyl alcohol					<8	<8				
Beryllium, total	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc					<.05	<.05	<.05			
Bis (2-chloroethoxy) methane					<8	<8				
Bis(2-chloroethyl) ether					<8	<8				
Bis(2-chloroisopropyl) ether					<8	<8				
Bis(2-ethylhexyl) phthalate					<6	8		<6	<6	<6
Bromochloromethane	<1	<1	<1		<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1		<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1		<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1		<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate					<8	<8				
Cadmium, total	<.8	<.8	.8		<.8	<.8	<.8	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1		<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1		<1	<1	<1	<1	<1	<1
Chlordane					<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1		<1	<1	<1	<1	<1	<1
Chlorobenzilate					<8	<8				
Chloroethane	<1.0	<1.0	1.0	1.3	2.0	2.0	1.9	1.8	<1.0	<1.0
Chloroform	<1	<1	<1		<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1		<1	<1	<1	<1	<1	<1
Chloroprene					<1	<1				
Chromium, total	<8	<8	<8		<8	<8	<8	<8	<8	<8
Chrysene					<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	4.3	4.9	9.3		3.8	4.1	2.4	5.3	3.1	1.6
Copper, total	<4.0	<4.0	<4.0		<4.0	<4.0	4.4	<4.0	<4.0	5.0
Cyanide, total					<.005	<.005				
Delta-bhc					<.05	<.05	<.05			
Diallate					<8	<8				
Dibenzo(a,h)anthracene					<8	<8				
Dibenzofuran					<8	<8				
Dibromochloromethane	<1	<1	<1		<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1		<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane					<1	<1				
Dieldrin					<.05	<.05	<.05			
Diethyl phthalate					<8	<8				
Dimethoate					<.4	<.4				
Dimethylphthalate					<8	<8				
Di-n-butyl phthalate					<8	<8				
Di-n-octyl phthalate					<8	<8				
Dinoseb					<.5	<.5				
Diphenylamine					<8	<8				
Disulfoton					<.4	<.4				
Endosulfan i					<.05	<.05	<.05			
Endosulfan ii					<.05	<.05	<.05			
Endosulfan sulfate					<.05	<.05	<.05			
Endrin					<.05	<.05	<.05			
Endrin aldehyde					<.05	<.05	<.05			
Ethyl methacrylate					<10	<10				
Ethyl methanesulfonate					<8	<8				
Ethylbenzene	<1	<1	<1		<1	<1	<1	<1	<1	<1
Famphur					<.4	<.4				
Fluoranthene					<8	<8				
Fluorene					<8	<8				
Gamma-bhc (lindane)					<.05	<.05	<.05			
Heptachlor					<.05	<.05	<.05			
Heptachlor epoxide					<.05	<.05	<.05			

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

Table 9

Analytical Data Summary for MW-5

Constituents	8/30/2022	3/7/2023	9/11/2023	3/20/2024	9/12/2024	3/3/2025	9/25/2025
Anthracene					<8		
Antimony, total	<2	<2	<2	<2	<2	<2	<1
Arochlor 1016					<2		
Arochlor 1221					<2		
Arochlor 1232					<2		
Arochlor 1242					<2		
Arochlor 1248					<2		
Arochlor 1254					<2		
Arochlor 1260					<2		
Arsenic, total	412.0	83.0	71.1	166.0	9.7	8.0	10.8
Azobenzene					<8		
Barium, total	400	460	302	415	269	236	285
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	<5
Beta-bhc					<.05		
Bis (2-chloroethoxy) methane					<8		
Bis(2-chloroethyl) ether					<8		
Bis(2-chloroisopropyl) ether					<8		
Bis(2-ethylhexyl) phthalate					9	<6	
Bromochloromethane	<1	<1	<1	<1	<1	<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	1.5	<.8	<.8	<.8	.9	<.8	.2
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1
Chlordane					<1		
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate					<8		
Chloroethane	2.7	3.1	<1.0	<1.0	<1.0	<1.0	2.9
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	<1
Chrysene					<8		
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	3.4	5.2	2.7	2.6	10.6	19.9	5.9
Copper, total	45.5	9.2	9.6	26.8	7.3	<4.0	<5.0
Cyanide, total					<.010		
Delta-bhc					<.05		
Diallate					<8		
Dibenzo(a,h)anthracene					<8		
Dibenzofuran					<8		
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane					<1		
Dieldrin					<.05		
Diethyl phthalate					<8		
Dimethoate					<.4		
Dimethylphthalate					<8		
Di-n-butyl phthalate					<8		
Di-n-octyl phthalate					<8		
Dinoseb					<.5		
Diphenylamine					<8		
Disulfoton					<.4		
Endosulfan i					<.05		
Endosulfan ii					<.05		
Endosulfan sulfate					<.05		
Endrin					<.05		
Endrin aldehyde					<.05		
Ethyl methacrylate					<10		
Ethyl methanesulfonate					<8		
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1
Famphur					<.4		
Fluoranthene					<8		
Fluorene					<8		
Gamma-bhc (lindane)					<.05		
Heptachlor					<.05		
Heptachlor epoxide					<.05		

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

Table 9

Analytical Data Summary for MW-5

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	11/8/2016	4/24/2017	10/9/2017
Hexachlorobenzene	ug/L					<.05			
Hexachlorobutadiene	ug/L					<8			
Hexachlorocyclopentadiene	ug/L					<8			
Hexachloroethane	ug/L					<8			
Hexachloropropene	ug/L					<8			
Indeno(1,2,3-cd)pyrene	ug/L					<8			
Isobutanol	ug/L					<1000			
Isodrin	ug/L					<8			
Isophorone	ug/L					<8			
Isosafrole	ug/L					<8			
Kepon	ug/L					<8			
Lead, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Mercury, total	ug/L					<.5			
Methacrylonitrile	ug/L					<1			
Methapyrene	ug/L					<8			
Methoxychlor	ug/L					<.05			
Methyl iodide	ug/L	<1	<1	<1	<1	<1		<1	<1
Methyl methacrylate	ug/L					<1			
Methyl methanesulfonate	ug/L					<8			
Methyl parathion	ug/L					<4			
Methylene chloride	ug/L	<5	<5	<5	<5	<5		<5	<5
Naphthalene	ug/L					<8			
Nickel, total	ug/L	11.5	7.0	5.7	5.3	9.5		6.5	7.9
Nitrobenzene	ug/L					<8			
N-nitrosodiethylamine	ug/L					<8			
N-nitrosodimethylamine	ug/L					<8			
N-nitrosodi-n-butylamine	ug/L					<8			
N-nitroso-di-n-propylamine	ug/L					<8			
N-nitrosodiphenylamine	ug/L					<8			
N-nitrosomethylethylamine	ug/L					<8			
N-nitrosopiperidine	ug/L					<8			
N-nitrosopyrrolidine	ug/L					<8			
O,o,o-triethyl phosphorothioate	ug/L					<4			
O-toluidine	ug/L					<8			
Parathion	ug/L					<4			
P-dimethylaminoazobenzene	ug/L					<8			
Pentachlorobenzene	ug/L					<8			
Pentachloronitrobenzene (pcnb)	ug/L					<8			
Pentachlorophenol	ug/L					<8			
Phenacetin	ug/L					<8			
Phenanthrene	ug/L					<8			
Phenol	ug/L					<8			
Phorate	ug/L					<4			
Pronamide	ug/L					<8			
Propionitrile	ug/L					<10			
Pyrene	ug/L					<8			
Safrole	ug/L					<8			
Selenium, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4		<4	<4
Solids, total suspended	mg/L	33	13	57	43	34		48	90
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	<1.0	<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	<20.0	<8.0	8.9	<8.0	9.2		<8.0	<8.0

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

Table 9

Analytical Data Summary for MW-5

Constituents	3/21/2018	9/7/2018	4/2/2019	6/5/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	9/28/2021	3/8/2022
Hexachlorobenzene					<.05	<.05	<.05			
Hexachlorobutadiene					<8	<8				
Hexachlorocyclopentadiene					<8	<8				
Hexachloroethane					<8	<8				
Hexachloropropene					<8	<8				
Indeno(1,2,3-cd)pyrene					<8	<8				
Isobutanol					<1000	<1000				
Isodrin					<8	<8				
Isophorone					<8	<8				
Isosafrole					<8	<8				
Kepon					<8	<8				
Lead, total	<4	<4	<4		<4	<4	<4	<4	<4	<4
Mercury, total					<.5	<.5				
Methacrylonitrile					<1	<1				
Methapyrilene					<8	<8				
Methoxychlor					<.05	<.05	<.05			
Methyl iodide	<1	<1	<1		<1	<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	<5
Naphthalene					<8	<8				
Nickel, total	6.3	5.8	21.4	13.7	5.1	6.3	4.8	8.5	4.9	6.1
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	<4	<4		<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4		<4	<4	<4	<4	<4	<4
Solids, total suspended										
Styrene	<1	<1	<1		<1	<1	<1	<1	<1	<1
Sulfide, total					<.1	<.1				
Tetrachloroethylene	<1	<1	<1		<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<4.0	<2.0		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin					<.4	<.4				
Tin, total					<20	<20				
Toluene	<1	<1	<1		<1	<1	<1	<1	<1	<1
Toxaphene					<.2	<.2	<.2			
Trans-1,2-dichloroethylene	<1	<1	<1		<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1		<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5		<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1		<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1		<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20		<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5		<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1		<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2		<2	<2	<2	<2	<2	<2
Zinc, total	<8.0	81.1	21.1		16.4	<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-5

Constituents	8/30/2022	3/7/2023	9/11/2023	3/20/2024	9/12/2024	3/3/2025	9/25/2025
Hexachlorobenzene					<.05		
Hexachlorobutadiene					<8		
Hexachlorocyclopentadiene					<8		
Hexachloroethane					<8		
Hexachloropropene					<8		
Indeno(1,2,3-cd)pyrene					<8		
Isobutanol					<1000		
Isodrin					<8		
Isophorone					<8		
Isosafrole					<8		
Kepon					<8		
Lead, total	<4	<4	<4	<4	<4	<4	<1
Mercury, total					<.5		
Methacrylonitrile					<1		
Methapyrene					<8		
Methoxychlor					<.05		
Methyl iodide	<1	<1	<1	<1	<2	<1	<1
Methyl methacrylate					<1		
Methyl methanesulfonate					<8		
Methyl parathion					<4		
Methylene chloride	<5	<5	<5	<5	<5	<5	<5
Naphthalene					<8		
Nickel, total	5.6	8.7	<4.0	9.0	33.3	18.1	6.2
Nitrobenzene					<8		
N-nitrosodiethylamine					<8		
N-nitrosodimethylamine					<8		
N-nitrosodi-n-butylamine					<8		
N-nitroso-di-n-propylamine					<8		
N-nitrosodiphenylamine					<8		
N-nitrosomethylethylamine					<8		
N-nitrosopiperidine					<8		
N-nitrosopyrrolidine					<8		
O,o,o-triethyl phosphorothioate					<4		
O-toluidine					<8		
Parathion					<4		
P-dimethylaminoazobenzene					<8		
Pentachlorobenzene					<8		
Pentachloronitrobenzene (pcnb)					<8		
Pentachlorophenol					<8		
Phenacetin					<8		
Phenanthrene					<8		
Phenol					<8		
Phorate					<4		
Pronamide					<8		
Propionitrile					<10		
Pyrene					<8		
Safrole					<8		
Selenium, total	<4	<4	<4	<4	<4	<4	<2
Silver, total	<4	<4	<4	<4	<4	<4	<5
Solids, total suspended							
Styrene	<1	<1	<1	<1	<1	<1	<1
Sulfide, total					<1		
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5
Thionazin					<4		
Tin, total					<20		
Toluene	<1	<1	<1	<1	<1	<1	<1
Toxaphene					<2		
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<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	<20.0	<5.0

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

Table 9

Analytical Data Summary for MW-9

Constituents	Units	10/16/2014	4/4/2015	10/1/2015	4/4/2016	9/20/2016	4/24/2017	10/9/2017	3/21/2018	6/11/2018
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-hexanone (mbk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10	<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	8.4	8.9	5.9	<4.0	<4.0	<4.0	<4.0	<4.0
Barium, total	ug/L	271	291	291	259	267	264	253	266	
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<8	<8	<8	1.5	<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	5.8	6.0	4.6	5.7	6.4	5.2	4.9	5.3	
Copper, total	ug/L	4.3	26.3	<4.0	5.3	8.4	<4.0	<4.0	18.0	<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	12.4	11.8	8.6	11.2	8.2	10.9	11.0	10.9	
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	28	15	12	7	18	51	41		
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	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<20.0	<8.0	9.8	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0

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

Table 9

Analytical Data Summary for MW-9

Constituents	9/7/2018	4/2/2019	9/18/2019	3/25/2020	9/15/2020	3/8/2021	9/28/2021	3/8/2022	8/30/2022	3/7/2023
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<1	<1	<1	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone (mek)	<5	<5	<5	<5	<5	<5	<5	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	12.2	<4.0	19.4	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Barium, total	290	270	332	272	285	292	259	291	241	269
Benzene	<1	<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	<4.0
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium, total	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<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	<8.0
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	5.4	5.4	5.7	5.3	5.8	5.1	4.8	5.1	5.0	4.8
Copper, total	<4.0	<4.0	7.1	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Methyl iodide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	10.6	11.0	11.6	11.0	11.2	10.1	9.5	10.6	9.8	10.0
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Solids, total suspended										
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<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	2.0
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	73.9	<20.0	27.7	<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-9

Constituents	9/11/2023	3/20/2024	9/12/2024	3/3/2025	9/25/2025
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1
1,1-dichloroethylene	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1
2-butanone (mek)	<10	<10	<10	<10	<10
2-hexanone (mbk)	<5	<5	<5	<5	<5
4-methyl-2-pentanone (mibk)	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10
Acrylonitrile	<5	<5	<5	<5	<5
Antimony, total	<2	<2	<2	<2	<1
Arsenic, total	7.2	7.0	4.3	<4.0	3.0
Barium, total	288	295	305	282	323
Benzene	<1	<1	<1	<1	<1
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<5
Bromochloromethane	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1
Cadmium, total	<.8	<.8	<.8	<.8	.7
Carbon disulfide	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1
Chromium, total	<8.0	<8.0	<8.0	<8.0	1.4
Cis-1,2-dichloroethylene	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1
Cobalt, total	5.3	4.5	4.5	3.9	4.6
Copper, total	<4.0	<4.0	<4.0	<4.0	<5.0
Dibromochloromethane	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<1
Methyl iodide	<1	<1	<1	<1	<1
Methylene chloride	<5	<5	<5	<5	<5
Nickel, total	9.8	9.2	9.5	7.8	10.2
Selenium, total	<4	<4	<4	<4	<2
Silver, total	<4	<4	<4	<4	<5
Solids, total suspended					
Styrene	<1	<1	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<5
Toluene	<1	<1	<1	<1	<1
Trans-1,2-dichloroethylene	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5	<5
Trichloroethylene	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<2
Vinyl acetate	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	8.0

* - 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 – Gas Monitoring Summary

Table 12
South Dallas County Sanitary Landfill
25-SDP-01-75P
EXPLOSIVE GAS MONITORING

	3/11/2025	6/9/2025	10/6/2025	12/1/2025
	% LEL	% LEL	% LEL	% LEL
Old office/shop	0	0	0	0
Leachate pump control building	0	0	0	0
Office	0	0	0	0
New Shop	0	0	0	0
Leachate treatment building	0	0	0	0
GP-1	0	0	0	0
GP-2	0	0	0	0
GP-3	0	0	10	13
GP-3R	0	0	0	0
GP-4	0	0	0	0
GP-4R	0	0	0	0
GP-5	0	0	0	0
GP-6	0	0	0	0
GP-6R	0	0	0	0
GP-7	0	0	0	0
GV-1	0	0	0	0
GV-2	10	20	25	21
GV-4	0	0	0	0
GV-5	30	0	15	18
MW-4	0	NM	72	70
MW-5	0	NM	0	0
MW-22	30	NM	65.1	62
MW-25	0	NM	0	0
MW-26	0	NM	0	0

NM - Not Measured

Appendix A

Field Sampling Forms

SOUTH DALLAS COUNTY SANITARY LANDFILL
PERMIT # 25-SDP-01-75P

3/3/2025

Sampled by: Glenn Hunter

Weather Conditions: Clear, calm, 45 degrees

IDNR Form 542-1322

Monitoring Well: MW-2 (ug)

Primary Sampling Method: No-Purge for Appendix I

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

GENERAL INFORMATION

TOC	937.53
Well Depth	19.75
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	937.53
Well Depth	19.75
Top Screen	927.78
Bottom Screen	917.78
Bottom Well	917.78
Sampler Length (ft)	
Sampler Volume (mL)	440.00
Feet cordage	
Top sample	937.53
Bottom sample	937.53
Turbidity(NTU)	

Date	Time	Water Level	Water Elevation	Notes
3/3/2025		19.75	917.78	Dry - No Sample

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	0		0.00
Appendix I	Metals	150	0		0.00
Appendix I	VOC	240	0		0.00
Full Appendix II	10 more containers	5620			
Sulfide	Sulfide	250			
Supplemental	Minerals	750			
Total			0	0	

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

TOC	937.53	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	19.75	Before purging	3/3/2025	0:00	19.75	917.78		#DIV/0!	
		After purging				937.53			
		Top of Screen January 1990				927.78			
						-10.00	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				917.78			
		Bottom of Well	3/3/2025		19.75	917.78			
						0.00	feet sedimentation		
		Before Sampling				937.53			
		Recovery				937.53			
		Recovery				937.53			
		Recovery				937.53			
		Recovery				937.53			

Monitoring Well: MW-4 (dg)

Primary Sampling Method:

Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	924.35
Well Depth	37.20
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	924.35
Well Depth	37.20
Top Screen	897.15
Bottom Screen	887.15
Bottom Well	887.15
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	32.00
Top sample	892.35
Bottom sample	888.35
Turbidity(NTU)	4.35

Date	Time	Water Level	Water Elevation	Notes
3/3/2025	11:12	32.80	891.55	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		4.35
Appendix I	Metals	150	150		4.35
Appendix I	VOC	240	240		4.35
Full Appendix II	10 more containers	5620			
Sulfide	Sulfide	250			
Supplemental	Minerals	750			
Total			400	0	

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

TOC	924.35	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	37.20	Before purging	3/3/2025	11:12	32.80	891.55		0.0	
		After purging				924.35			
		Top of Screen January 1990				897.15			
						-5.60			feet above (+) or below (-) top screen
		Bottom of Well January 1990				887.15			
		Bottom of Well	3/3/2025		37.20	887.15			
						0.00			feet sedimentation
		Before Sampling				924.35			
		Recovery				924.35			
		Recovery				924.35			
		Recovery				924.35			
		Recovery				924.35			

Monitoring Well: MW-5 (dg)

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	923.97
Well Depth	36.55
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	923.97
Well Depth	36.55
Top Screen	897.42
Bottom Screen	887.42
Bottom Well	887.42
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	32.00
Top sample	891.97
Bottom sample	887.97
Turbidity(NTU)	5.75

Date	Time	Water Level	Water Elevation	Notes
3/3/2025	11:57	34.31	889.66	

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		5.75
Appendix I	Metals	150	150		5.75
Appendix I	VOC	240	240		5.75
Full Appendix II	10 more containers	5620			
Supplemental	bis (2)	945		4700	
Supplemental	Minerals	750			
Total			400	4700	

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

TOC	923.97	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	36.55	Before purging	3/3/2025	11:57	34.31	889.66		0.0	
		After purging				923.97			
		Top of Screen January 1990				897.42			
						-7.76	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				887.42			
		Bottom of Well	3/3/2025		36.55	887.42			
						0.00	feet sedimentation		
		Before Sampling				923.97			
		Recovery				923.97			
		Recovery				923.97			
		Recovery				923.97			
		Recovery				923.97			

Monitoring Well: MW-9 (ug)

Primary Sampling Method:

Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	934.91
Well Depth	42.33
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	934.91
Well Depth	42.33
Top Screen	902.58
Bottom Screen	892.58
Bottom Well	892.58
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	36.00
Top sample	898.91
Bottom sample	894.91
Turbidity(NTU)	3.47

Date	Time	Water Level	Water Elevation	Notes
3/3/2025	9:17	31.09	903.82	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		3.47
Appendix I	Metals	150	150		3.47
Appendix I	VOC	240	240		3.47
Full Appendix II	10 more containers	5620			
Sulfide	Sulfide	250			
Supplemental	Minerals	750			
Total			400	0	

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

TOC	934.91	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	42.33	Before purging	3/3/2025	9:17	31.09	903.82		0.0	
		After purging				934.91			
		Top of Screen January 1990				902.58			
						1.24			feet above (+) or below (-) top screen
		Bottom of Well January 1990				892.58			
		Bottom of Well	3/3/2025		42.33	892.58			
						0.00			feet sedimentation
		Before Sampling				934.91			
		Recovery				934.91			
		Recovery				934.91			
		Recovery				934.91			
		Recovery				934.91			

IDNR Form 542-1322

Monitoring Well: MW-12 (dg)

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	908.7
Well Depth	23.10
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	908.7
Well Depth	23.10
Top Screen	895.60
Bottom Screen	885.60
Bottom Well	885.60
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	17.00
Top sample	891.70
Bottom sample	887.70
Turbidity(NTU)	27.40

Date	Time	Water Level	Water Elevation	Notes
3/3/2025	12:30	12.48	896.22	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		27.40
Appendix I	Metals	150	150		27.40
Appendix I	VOC	240	240		27.40
Full Appendix II	10 more containers	5620			
Sulfide	Sulfide	250			
Supplemental	Minerals	750			
Total			400	0	

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

TOC	908.7	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	23.10	Before purging	3/3/2025	12:30	12.48	896.22		0.0	
		After purging				908.70			
		Top of Screen January 1990				895.60			
						0.62	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				885.60			
		Bottom of Well	3/3/2025		23.10	885.60			
						0.00	feet sedimentation		
		Before Sampling				908.70			
		Recovery				908.70			
		Recovery				908.70			
		Recovery				908.70			
		Recovery				908.70			

Monitoring Well: MW-15R (dg)

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	919.38
Well Depth	30.35
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	919.38
Well Depth	30.35
Top Screen	899.03
Bottom Screen	889.03
Bottom Well	889.03
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	24.00
Top sample	895.38
Bottom sample	891.38
Turbidity(NTU)	19.80

Date	Time	Water Level	Water Elevation	Notes
3/3/2025	13:15	17.82	901.56	

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		19.80
Appendix I	Metals	150	150		19.80
Appendix I	VOC	240	240		19.80
Full Appendix II	10 more containers	5620			
Sulfide	Sulfide	250			
Supplemental	Minerals	750			
Total			400	0	

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

TOC	919.38	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	30.35	Before purging	3/3/2025	13:15	17.82	901.56		0.0	
		After purging				919.38			
		Top of Screen January 1990				899.03			
						2.53			feet above (+) or below (-) top screen
		Bottom of Well January 1990				889.03			
		Bottom of Well	3/3/2025		30.75	888.63			
						-0.40			feet sedimentation
		Before Sampling				919.38			
		Recovery				919.38			
		Recovery				919.38			
		Recovery				919.38			
		Recovery				919.38			

Monitoring Well: MW-17 (ug)

Primary Sampling Method:

Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	916.22
Well Depth	23.05
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	916.22
Well Depth	23.05
Top Screen	903.17
Bottom Screen	893.17
Bottom Well	893.17
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	19.00
Top sample	897.22
Bottom sample	893.22
Turbidity(NTU)	2.30

Date	Time	Water Level	Water Elevation	Notes
3/3/2025	10:39	19.02	897.20	

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		2.30
Appendix I	Metals	150	150		2.30
Appendix I	VOC	240	240		2.30
Full Appendix II	10 more containers	5620			
Sulfide	Sulfide	250			
Supplemental	Minerals	750			
Total			400	0	

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

TOC	916.22	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	23.05	Before purging	3/3/2025	10:39	19.02	897.20		0.0	
		After purging				916.22			
		Top of Screen January 1990				903.17			
						-5.97			feet above (+) or below (-) top screen
		Bottom of Well January 1990				893.17			
		Bottom of Well	3/3/2025		23.05	893.17			
						0.00			feet sedimentation
		Before Sampling				916.22			
		Recovery				916.22			
		Recovery				916.22			
		Recovery				916.22			
		Recovery				916.22			

Monitoring Well: MW-18 (ug)

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	940.87
Well Depth	39.70
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	940.87
Well Depth	39.70
Top Screen	911.17
Bottom Screen	901.17
Bottom Well	901.17
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	36.00
Top sample	904.87
Bottom sample	900.87
Turbidity(NTU)	8.90

Date	Time	Water Level	Water Elevation	Notes
3/3/2025	9:53	36.15	904.72	

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		8.90
Appendix I	Metals	150	150		8.90
Appendix I	VOC	240	240		8.90
Full Appendix II	10 more containers	5620			
Sulfide	Sulfide	250			
Supplemental	Minerals	750			
Total			400	0	

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

TOC	940.87	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	39.70	Before purging	3/3/2025	9:53	36.15	904.72		0.0	
		After purging				940.87			
		Top of Screen January 1990				911.17			
						-6.45	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				901.17			
		Bottom of Well	3/3/2025		39.70	901.17			
						0.00	feet sedimentation		
		Before Sampling				940.87			
		Recovery				940.87			
		Recovery				940.87			
		Recovery				940.87			
		Recovery				940.87			

Monitoring Well: MW-19A (ug)

Primary Sampling Method:

Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	943.16
Well Depth	57.30
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	943.16
Well Depth	57.30
Top Screen	895.86
Bottom Screen	885.86
Bottom Well	885.86
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	51.00
Top sample	892.16
Bottom sample	888.16
Turbidity(NTU)	3.17

Date	Time	Water Level	Water Elevation	Notes
3/3/2025	10:15	38.00	905.16	

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		3.17
Appendix I	Metals	150	150		3.17
Appendix I	VOC	240	240		3.17
Full Appendix II	10 more containers	5620			
Sulfide	Sulfide	250			
Supplemental	Minerals	750			
Total			400	0	

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

TOC	943.16	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	57.30	Before purging	3/3/2025	10:15	38.00	905.16		0.0	
		After purging				943.16			
		Top of Screen January 1990				895.86			
						9.30			feet above (+) or below (-) top screen
		Bottom of Well January 1990				885.86			
		Bottom of Well	3/3/2025		57.30	885.86			
						0.00			feet sedimentation
		Before Sampling				943.16			
		Recovery				943.16			
		Recovery				943.16			
		Recovery				943.16			
		Recovery				943.16			

Monitoring Well: MW-20R (dg)

Primary Sampling Method:

Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	913.4
Well Depth	21.65
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	913.4
Well Depth	21.65
Top Screen	901.75
Bottom Screen	891.75
Bottom Well	891.75
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	15.00
Top sample	898.40
Bottom sample	894.40
Turbidity(NTU)	15.10

Date	Time	Water Level	Water Elevation	Notes
3/3/2025	12:43	13.68	899.72	

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		15.10
Appendix I	Metals	150	150		15.10
Appendix I	VOC	240	240		15.10
Full Appendix II	10 more containers	5620			
Sulfide	Sulfide	250			
Supplemental	Minerals	750			
Total			400	0	

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

TOC	913.4	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	21.65	Before purging	3/3/2025	12:43	13.68	899.72		0.0	
		After purging				913.40			
		Top of Screen January 1990				901.75			
						-2.03	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				891.75			
		Bottom of Well	3/3/2025		21.65	891.75			
						0.00	feet sedimentation		
		Before Sampling				913.40			
		Recovery				913.40			
		Recovery				913.40			
		Recovery				913.40			
		Recovery				913.40			

Monitoring Well: MW-21 (dg)

Primary Sampling Method:

Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	896.50
Well Depth	21.50
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	896.5
Well Depth	21.50
Top Screen	885.00
Bottom Screen	875.00
Bottom Well	875.00
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	15.00
Top sample	881.50
Bottom sample	877.50
Turbidity(NTU)	29.60

Date	Time	Water Level	Water Elevation	Notes
3/3/2025	12:11	6.23	890.27	

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		29.60
Appendix I	Metals	150	150		29.60
Appendix I	VOC	240	240		29.60
Full Appendix II	10 more containers	5620			
Supplemental	bis (2)	945			
Supplemental	Minerals	750			
Total			400	0	

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

TOC	896.5	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	21.50	Before purging	3/3/2025	12:11	6.23	890.27		0.0	
		After purging				896.50			
		Top of Screen January 1990				885.00			
						5.27			feet above (+) or below (-) top screen
		Bottom of Well January 1990				875.00			
		Bottom of Well	3/3/2025		21.50	875.00			
						0.00			feet sedimentation
		Before Sampling				896.50			
		Recovery				896.50			
		Recovery				896.50			
		Recovery				896.50			
		Recovery				896.50			

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Monitoring Well: MW-22 (dg)

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	925.68
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	925.68
Well Depth	35.45
Top Screen	900.23
Bottom Screen	890.23
Bottom Well	890.23
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	31.00
Top sample	894.68
Bottom sample	890.68
Turbidity(NTU)	1.38

Date	Time	Water Level	Water Elevation	Notes
3/3/2025	10:59	32.55	893.13	

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			1.38
Appendix I	Metals	150			1.38
Appendix I	VOC	240			1.38
Full Appendix II	10 more containers	5620			
Sulfide	Sulfide	250			
Supplemental	Minerals	750			
Total			0	0	

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

TOC	925.68	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	35.45	Before purging	3/3/2025	10:59	32.55	893.13		0.0	
		After purging				925.68			
		Top of Screen January 1990				900.23			
						-7.10	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				890.23			
		Bottom of Well	3/3/2025		35.45	890.23			
						0.00	feet sedimentation		
		Before Sampling				925.68			
		Recovery				925.68			
		Recovery				925.68			
		Recovery				925.68			
		Recovery				925.68			

Monitoring Well: MW-24 (ug)

Primary Sampling Method:

Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	923.34
Well Depth	26.75
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	923.34
Well Depth	26.75
Top Screen	906.59
Bottom Screen	896.59
Bottom Well	896.59
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	20.00
Top sample	903.34
Bottom sample	899.34
Turbidity(NTU)	8.46

Date	Time	Water Level	Water Elevation	Notes
3/3/2025	9:32	13.94	909.40	

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		8.46
Appendix I	Metals	150	150		8.46
Appendix I	VOC	240	240		8.46
Full Appendix II	10 more containers	5620			
Sulfide	Sulfide	250			
Supplemental	Minerals	750			
Total			400	0	

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

TOC	923.34	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	26.75	Before purging	3/3/2025	9:32	13.94	909.40		0.0	
		After purging				923.34			
		Top of Screen January 1990				906.59			
						2.81	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				896.59			
		Bottom of Well	3/3/2025		26.75	896.59			
						0.00	feet sedimentation		
		Before Sampling				923.34			
		Recovery				923.34			
		Recovery				923.34			
		Recovery				923.34			
		Recovery				923.34			

Monitoring Well: MW-25 (dg)

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

GENERAL INFORMATION

TOC	902.9
Well Depth	21.42
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	902.9
Well Depth	21.42
Top Screen	891.48
Bottom Screen	881.48
Bottom Well	881.48
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	15.00
Top sample	887.90
Bottom sample	883.90
Turbidity(NTU)	7.76

Date	Time	Water Level	Water Elevation	Notes
3/3/2025	11:37	12.24	890.66	

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		7.76
Appendix I	Metals	150	150		7.76
Appendix I	VOC	240	240		7.76
Full Appendix II	10 more containers	5620			
Supplemental	bis 2	946			
Supplemental	Minerals	750	0		
Total			400	0	

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

TOC	902.9	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	21.42	Before purging	3/3/2025	11:37	12.24	890.66		0.0	
		After purging				902.90			
		Top of Screen January 1990				891.48			
						-0.82	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				881.48			
		Bottom of Well	3/3/2025		21.42	881.48			
						0.00	feet sedimentation		
		Before Sampling				902.90			
		Recovery				902.90			
		Recovery				902.90			
		Recovery				902.90			
		Recovery				902.90			

Monitoring Well: MW-26 (dg)

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	908.83
Well Depth	25.20
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	908.83
Well Depth	25.20
Top Screen	893.63
Bottom Screen	883.63
Bottom Well	883.63
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	19.00
Top sample	889.83
Bottom sample	885.83
Turbidity(NTU)	96.10

Date	Time	Water Level	Water Elevation	Notes
3/3/2025	11:25	17.92	890.91	

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		96.10
Appendix I	Metals	150	150		96.10
Appendix I	VOC	240	240		96.10
Full Appendix II	10 more containers	5620			
Supplemental	bis 2	946			
Supplemental	Minerals	750	0		
Total			400	0	

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

TOC	908.83	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	25.20	Before purging	3/3/2025	11:25	17.92	890.91		0.0	
		After purging				908.83			
		Top of Screen January 1990				893.63			
						-2.72	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				883.63			
		Bottom of Well	3/3/2025		25.20	883.63			
						0.00	feet sedimentation		
		Before Sampling				908.83			
		Recovery				908.83			
		Recovery				908.83			
		Recovery				908.83			
		Recovery				908.83			

SOUTH DALLAS COUNTY SANITARY LANDFILL
PERMIT # 25-SDP-01-75P

9/25/2025

Sampled by: Glenn Hunter

Weather Conditions: Clear, calm, 60-80 degrees

IDNR Form 542-1322

Monitoring Well: MW-2 (ug)

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

GENERAL INFORMATION

TOC	937.53
Well Depth	19.75
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	937.53
Well Depth	19.75
Top Screen	927.78
Bottom Screen	917.78
Bottom Well	917.78
Sampler Length (ft)	
Sampler Volume (mL)	440.00
Feet cordage	
Top sample	937.53
Bottom sample	937.53
Turbidity(NTU)	

Date	Time	Water Level	Water Elevation	Notes
9/25/2025		19.75	917.78	Not Accessible

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	0		0.00
Appendix I	Metals	150	0		0.00
Appendix I	VOC	240	0		0.00
Full Appendix II	10 more containers	5620			
Sulfide	Sulfide	250			
Supplemental	Minerals	750			
Total			0	0	

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

TOC	937.53	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	19.75	Before purging	9/25/2025	0:00	19.75	917.78		#DIV/0!	
		After purging				937.53			
		Top of Screen January 1990				927.78			
						-10.00			feet above (+) or below (-) top screen
		Bottom of Well January 1990				917.78			
		Bottom of Well	9/25/2025		19.75	917.78			
						0.00			feet sedimentation
		Before Sampling				937.53			
		Recovery				937.53			
		Recovery				937.53			
		Recovery				937.53			
		Recovery				937.53			

Monitoring Well: MW-4 (dg)

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	924.35
Well Depth	37.20
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	924.35
Well Depth	37.20
Top Screen	897.15
Bottom Screen	887.15
Bottom Well	887.15
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	32.00
Top sample	892.35
Bottom sample	888.35
Turbidity(NTU)	6.31

Date	Time	Water Level	Water Elevation	Notes
9/25/2025	10:43	32.72	891.63	

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		6.31
Appendix I	Metals	150	150		6.31
Appendix I	VOC	240	240		6.31
Full Appendix II	10 more containers	5620			
Sulfide	Sulfide	250			
Supplemental	Minerals	750			
Total			400	0	

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

TOC	924.35	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	37.20	Before purging	9/25/2025	10:43	32.72	891.63		0.0	
		After purging				924.35			
		Top of Screen January 1990				897.15			
						-5.52			feet above (+) or below (-) top screen
		Bottom of Well January 1990				887.15			
		Bottom of Well	9/25/2025		37.20	887.15			
						0.00			feet sedimentation
		Before Sampling				924.35			
		Recovery				924.35			
		Recovery				924.35			
		Recovery				924.35			
		Recovery				924.35			

Monitoring Well: MW-5 (dg)

Primary Sampling Method:

Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	923.97
Well Depth	36.55
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	923.97
Well Depth	36.55
Top Screen	897.42
Bottom Screen	887.42
Bottom Well	887.42
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	31.00
Top sample	892.97
Bottom sample	888.97
Turbidity(NTU)	3.41

Date	Time	Water Level	Water Elevation	Notes
9/25/2025	11:21	31.18	892.79	

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		3.41
Appendix I	Metals	150	150		3.41
Appendix I	VOC	240	240		3.41
Full Appendix II	10 more containers	5620			
Supplemental	bis (2)	945			
Supplemental	Minerals	750			
Total			400	0	

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

TOC	923.97	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	36.55	Before purging	9/25/2025	11:21	31.18	892.79		0.0	
		After purging				923.97			
		Top of Screen January 1990				897.42			
						-4.63			feet above (+) or below (-) top screen
		Bottom of Well January 1990				887.42			
		Bottom of Well	9/25/2025		36.55	887.42			
						0.00			feet sedimentation
		Before Sampling				923.97			
		Recovery				923.97			
		Recovery				923.97			
		Recovery				923.97			
		Recovery				923.97			

Monitoring Well: MW-9 (ug)

Primary Sampling Method:

Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	934.91
Well Depth	42.33
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	934.91
Well Depth	42.33
Top Screen	902.58
Bottom Screen	892.58
Bottom Well	892.58
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	36.00
Top sample	898.91
Bottom sample	894.91
Turbidity(NTU)	9.25

Date	Time	Water Level	Water Elevation	Notes
9/25/2025	8:59	31.25	903.66	

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		9.25
Appendix I	Metals	150	150		9.25
Appendix I	VOC	240	240		9.25
Full Appendix II	10 more containers	5620			
Sulfide	Sulfide	250			
Supplemental	Minerals	750			
Total			400	0	

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

TOC	934.91	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	42.33	Before purging	9/25/2025	8:59	31.25	903.66		0.0	
		After purging				934.91			
		Top of Screen January 1990				902.58			
						1.08			feet above (+) or below (-) top screen
		Bottom of Well January 1990				892.58			
		Bottom of Well	9/25/2025		42.33	892.58			
						0.00			feet sedimentation
		Before Sampling				934.91			
		Recovery				934.91			
		Recovery				934.91			
		Recovery				934.91			
		Recovery				934.91			

Monitoring Well: MW-12 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	908.7
Well Depth	23.10
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	908.7
Well Depth	23.10
Top Screen	895.60
Bottom Screen	885.60
Bottom Well	885.60
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	17.00
Top sample	891.70
Bottom sample	887.70
Turbidity(NTU)	144.00

Date	Time	Water Level	Water Elevation	Notes
9/25/2025	11:48	11.87	896.83	

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		144.00
Appendix I	Metals	150	150		144.00
Appendix I	VOC	240	240		144.00
Full Appendix II	10 more containers	5620			
Sulfide	Sulfide	250			
Supplemental	Minerals	750			
Total			400	0	

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

TOC	908.7	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	23.10	Before purging	9/25/2025	11:48	11.87	896.83		0.0	
		After purging				908.70			
		Top of Screen January 1990				895.60			
						1.23	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				885.60			
		Bottom of Well	9/25/2025		23.10	885.60			
						0.00	feet sedimentation		
		Before Sampling				908.70			
		Recovery				908.70			
		Recovery				908.70			
		Recovery				908.70			
		Recovery				908.70			

Monitoring Well: MW-15R (dg)

Primary Sampling Method:

Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	919.38
Well Depth	30.35
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	919.38
Well Depth	30.35
Top Screen	899.03
Bottom Screen	889.03
Bottom Well	889.03
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	24.00
Top sample	895.38
Bottom sample	891.38
Turbidity(NTU)	9.15

Date	Time	Water Level	Water Elevation	Notes
9/25/2025	12:15	18.23	901.15	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		9.15
Appendix I	Metals	150	150		9.15
Appendix I	VOC	240	240		9.15
Full Appendix II	10 more containers	5620			
Sulfide	Sulfide	250			
Supplemental	Minerals	750			
Total			400	0	

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

TOC	919.38	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	30.35	Before purging	9/25/2025	12:15	18.23	901.15		0.0	
		After purging				919.38			
		Top of Screen January 1990				899.03			
						2.12			feet above (+) or below (-) top screen
		Bottom of Well January 1990				889.03			
		Bottom of Well	9/25/2025		30.75	888.63			
						-0.40			feet sedimentation
		Before Sampling				919.38			
		Recovery				919.38			
		Recovery				919.38			
		Recovery				919.38			
		Recovery				919.38			

Monitoring Well: MW-17 (ug)

Primary Sampling Method:

Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	916.22
Well Depth	23.05
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	916.22
Well Depth	23.05
Top Screen	903.17
Bottom Screen	893.17
Bottom Well	893.17
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	18.00
Top sample	898.22
Bottom sample	894.22
Turbidity(NTU)	2.17

Date	Time	Water Level	Water Elevation	Notes
9/25/2025	10:13	18.96	897.26	

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		2.17
Appendix I	Metals	150	150		2.17
Appendix I	VOC	240	240		2.17
Full Appendix II	10 more containers	5620			
Sulfide	Sulfide	250			
Supplemental	Minerals	750			
Total			400	0	

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

TOC	916.22	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	23.05	Before purging	9/25/2025	10:13	18.96	897.26		0.0	
		After purging				916.22			
		Top of Screen January 1990				903.17			
						-5.91			feet above (+) or below (-) top screen
		Bottom of Well January 1990				893.17			
		Bottom of Well	9/25/2025		23.05	893.17			
						0.00			feet sedimentation
		Before Sampling				916.22			
		Recovery				916.22			
		Recovery				916.22			
		Recovery				916.22			
		Recovery				916.22			

Monitoring Well: MW-18 (ug)

Primary Sampling Method:

Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	940.87
Well Depth	39.70
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	940.87
Well Depth	39.70
Top Screen	911.17
Bottom Screen	901.17
Bottom Well	901.17
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	36.00
Top sample	904.87
Bottom sample	900.87
Turbidity(NTU)	9.10

Date	Time	Water Level	Water Elevation	Notes
9/25/2025	9:36	36.69	904.18	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		9.10
Appendix I	Metals	150	150		9.10
Appendix I	VOC	240	240		9.10
Full Appendix II	10 more containers	5620			
Sulfide	Sulfide	250			
Supplemental	Minerals	750			
Total			400	0	

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

TOC	940.87	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	39.70	Before purging	9/25/2025	9:36	36.69	904.18		0.0	
		After purging				940.87			
		Top of Screen January 1990				911.17			
						-6.99	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				901.17			
		Bottom of Well	9/25/2025		39.70	901.17			
						0.00	feet sedimentation		
		Before Sampling				940.87			
		Recovery				940.87			
		Recovery				940.87			
		Recovery				940.87			
		Recovery				940.87			

Monitoring Well: MW-19A (ug)

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	943.16
Well Depth	57.30
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	943.16
Well Depth	57.30
Top Screen	895.86
Bottom Screen	885.86
Bottom Well	885.86
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	51.00
Top sample	892.16
Bottom sample	888.16
Turbidity(NTU)	1.21

Date	Time	Water Level	Water Elevation	Notes
9/25/2025	9:55	37.84	905.32	

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		1.21
Appendix I	Metals	150	150		1.21
Appendix I	VOC	240	240		1.21
Full Appendix II	10 more containers	5620			
Sulfide	Sulfide	250			
Supplemental	Minerals	750			
Total			400	0	

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

TOC	943.16	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	57.30	Before purging	9/25/2025	9:55	37.84	905.32		0.0	
		After purging				943.16			
		Top of Screen January 1990				895.86			
						9.46			feet above (+) or below (-) top screen
		Bottom of Well January 1990				885.86			
		Bottom of Well	9/25/2025		57.30	885.86			
						0.00			feet sedimentation
		Before Sampling				943.16			
		Recovery				943.16			
		Recovery				943.16			
		Recovery				943.16			
		Recovery				943.16			

Monitoring Well: MW-20R (dg)

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	913.4
Well Depth	21.65
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	913.4
Well Depth	21.65
Top Screen	901.75
Bottom Screen	891.75
Bottom Well	891.75
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	15.00
Top sample	898.40
Bottom sample	894.40
Turbidity(NTU)	13.40

Date	Time	Water Level	Water Elevation	Notes
9/25/2025	12:07	13.68	899.72	

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		13.40
Appendix I	Metals	150	150		13.40
Appendix I	VOC	240	240		13.40
Full Appendix II	10 more containers	5620			
Sulfide	Sulfide	250			
Supplemental	Minerals	750			
Total			400	0	

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

TOC	913.4	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	21.65	Before purging	9/25/2025	12:07	13.68	899.72		0.0	
		After purging				913.40			
		Top of Screen January 1990				901.75			
						-2.03			feet above (+) or below (-) top screen
		Bottom of Well January 1990				891.75			
		Bottom of Well	9/25/2025		21.65	891.75			
						0.00			feet sedimentation
		Before Sampling				913.40			
		Recovery				913.40			
		Recovery				913.40			
		Recovery				913.40			
		Recovery				913.40			

Monitoring Well: MW-21 (dg)

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	896.50
Well Depth	21.50
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	896.5
Well Depth	21.50
Top Screen	885.00
Bottom Screen	875.00
Bottom Well	875.00
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	16.00
Top sample	880.50
Bottom sample	876.50
Turbidity(NTU)	10.90

Date	Time	Water Level	Water Elevation	Notes
9/25/2025	11:37	5.30	891.20	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		10.90
Appendix I	Metals	150	150		10.90
Appendix I	VOC	240	240		10.90
Full Appendix II	10 more containers	5620			
Supplemental	bis (2)	945			
Supplemental	Minerals	750			
Total			400	0	

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

TOC	896.5	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	21.50	Before purging	9/25/2025	11:37	5.30	891.20		0.0	
		After purging				896.50			
		Top of Screen January 1990				885.00			
						6.20			feet above (+) or below (-) top screen
		Bottom of Well January 1990				875.00			
		Bottom of Well	9/25/2025		21.50	875.00			
						0.00			feet sedimentation
		Before Sampling				896.50			
		Recovery				896.50			
		Recovery				896.50			
		Recovery				896.50			
		Recovery				896.50			

Monitoring Well: MW-22 (dg)

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	925.68
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	925.68
Well Depth	35.45
Top Screen	900.23
Bottom Screen	890.23
Bottom Well	890.23
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	31.00
Top sample	894.68
Bottom sample	890.68
Turbidity(NTU)	1.81

Date	Time	Water Level	Water Elevation	Notes
9/25/2025	10:33	32.35	893.33	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10			1.81
Appendix I	Metals	150			1.81
Appendix I	VOC	240			1.81
Full Appendix II	10 more containers	5620			
Sulfide	Sulfide	250			
Supplemental	Minerals	750			
Total			0	0	

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

TOC	925.68	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	35.45	Before purging	9/25/2025	10:33	32.35	893.33		0.0	
		After purging				925.68			
		Top of Screen January 1990				900.23			
						-6.90	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				890.23			
		Bottom of Well	9/25/2025		35.45	890.23			
						0.00	feet sedimentation		
		Before Sampling				925.68			
		Recovery				925.68			
		Recovery				925.68			
		Recovery				925.68			
		Recovery				925.68			

Monitoring Well: MW-24 (ug)

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	923.34
Well Depth	26.75
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	923.34
Well Depth	26.75
Top Screen	906.59
Bottom Screen	896.59
Bottom Well	896.59
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	21.00
Top sample	902.34
Bottom sample	898.34
Turbidity(NTU)	9.64

Date	Time	Water Level	Water Elevation	Notes
9/25/2025	9:16	14.05	909.29	

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		9.64
Appendix I	Metals	150	150		9.64
Appendix I	VOC	240	240		9.64
Full Appendix II	10 more containers	5620			
Sulfide	Sulfide	250			
Supplemental	Minerals	750			
Total			400	0	

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

TOC	923.34	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	26.75	Before purging	9/25/2025	9:16	14.05	909.29		0.0	
		After purging				923.34			
		Top of Screen January 1990				906.59			
						2.70			feet above (+) or below (-) top screen
		Bottom of Well January 1990				896.59			
		Bottom of Well	9/25/2025		26.75	896.59			
						0.00			feet sedimentation
		Before Sampling				923.34			
		Recovery				923.34			
		Recovery				923.34			
		Recovery				923.34			
		Recovery				923.34			

Monitoring Well: MW-25 (dg)

Primary Sampling Method:

Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	902.9
Well Depth	21.42
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	902.9
Well Depth	21.42
Top Screen	891.48
Bottom Screen	881.48
Bottom Well	881.48
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	15.00
Top sample	887.90
Bottom sample	883.90
Turbidity(NTU)	4.06

Date	Time	Water Level	Water Elevation	Notes
9/25/2025	11:04	10.81	892.09	

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		4.06
Appendix I	Metals	150	150		4.06
Appendix I	VOC	240	240		4.06
Full Appendix II	10 more containers	5620			
Supplemental	bis 2	946			
Supplemental	Minerals	750	0		
Total			400	0	

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

TOC	902.9	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	21.42	Before purging	9/25/2025	11:04	10.81	892.09		0.0	
		After purging				902.90			
		Top of Screen January 1990				891.48			
						0.61	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				881.48			
		Bottom of Well	9/25/2025		21.42	881.48			
						0.00	feet sedimentation		
		Before Sampling				902.90			
		Recovery				902.90			
		Recovery				902.90			
		Recovery				902.90			
		Recovery				902.90			

Monitoring Well: MW-26 (dg)

Primary Sampling Method:

Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	908.83
Well Depth	25.20
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	908.83
Well Depth	25.20
Top Screen	893.63
Bottom Screen	883.63
Bottom Well	883.63
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	19.00
Top sample	889.83
Bottom sample	885.83
Turbidity(NTU)	60.10

Date	Time	Water Level	Water Elevation	Notes
9/25/2025	10:54	18.86	889.97	

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		60.10
Appendix I	Metals	150	150		60.10
Appendix I	VOC	240	240		60.10
Full Appendix II	10 more containers	5620			
Supplemental	bis 2	946			
Supplemental	Minerals	750	0		
Total			400	0	

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

TOC	908.83	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	25.20	Before purging	9/25/2025	10:54	18.86	889.97		0.0	
		After purging				908.83			
		Top of Screen January 1990				893.63			
						-3.66	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				883.63			
		Bottom of Well	9/25/2025		25.20	883.63			
						0.00	feet sedimentation		
		Before Sampling				908.83			
		Recovery				908.83			
		Recovery				908.83			
		Recovery				908.83			
		Recovery				908.83			

SOUTH DALLAS COUNTY SANITARY LANDFILL
PERMIT # 25-SDP-01-75P

12/15/2025

Sampled by: Glenn Hunter

Weather Conditions: Clear, calm, 20 degrees

IDNR Form 542-1322

Monitoring Well: MW-12 (dg)

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	908.7
Well Depth	23.10
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	908.7
Well Depth	23.10
Top Screen	895.60
Bottom Screen	885.60
Bottom Well	885.60
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	17.00
Top sample	891.70
Bottom sample	887.70
Turbidity(NTU)	

Date	Time	Water Level	Water Elevation	Notes
12/15/2025	12:41	12.13	896.57	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		0.00
Appendix I	Metals	150	150		0.00
Appendix I	VOC	240	240		0.00
Full Appendix II	10 more containers	5620			
Sulfide	Sulfide	250			
Supplemental	Minerals	750			
Total			400	0	

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

TOC	908.7	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	23.10	Before purging	12/15/2025	12:41	12.13	896.57		0.0	
		After purging				908.70			
		Top of Screen January 1990				895.60			
						0.97	feet above (+) or below (-) top screen		
		Bottom of Well January 1990				885.60			
		Bottom of Well	12/15/2025		23.10	885.60			
						0.00	feet sedimentation		
		Before Sampling				908.70			
		Recovery				908.70			
		Recovery				908.70			
		Recovery				908.70			
		Recovery				908.70			

Appendix B

Statistical Report

APPENDIX B.1 –1st Statistical Evaluation

GROUND WATER STATISTICS

FOR THE

SOUTH DALLAS COUNTY SANITARY LANDFILL

First Semi-Annual Monitoring Event in 2025

Prepared for:
South Dallas County Sanitary Landfill
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Adel, Dallas County, IA

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INTRODUCTION

This report summarizes the results of the statistical analysis used to evaluate the ground water quality data obtained during the first semi-annual monitoring event in 2025 at the South Dallas County Sanitary Landfill in Adel, Dallas County, Iowa. The statistical plan was designed to detect a release from the facility at the earliest indication so that it is protective of human health and the environment. The interwell methodology is described and then applied to the South Dallas County Landfill data. The statistical plan conforms with IAC 567, Chapter 113.10 and the USEPA Unified Guidance document (“*Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities*”, March 2009).

Ground Water Monitoring Program

The groundwater monitoring network for South Dallas County Sanitary Landfill includes upgradient wells MW-2, MW-17, and MW-19A and downgradient detection sample points MW-10, MW-12, MW-15R, MW-18, MW-20R, MW-21, MW-22, MW-24, MW-4, MW-5, and MW-9. Each of the groundwater monitoring wells is to be sampled at least semiannually and analyzed for the detection monitoring parameters listed in 113.10(5), which includes 15 inorganic constituents and 47 organic compounds, summarized in Table 1 below.

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

Organic Compounds:

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

Inorganic constituents:

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

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. Both the interwell and intrawell methods were applied to the South Dallas Landfill data using the DUMPStat® statistical program. Ground water statistics are to be done on the inorganic constituents listed. The organic constituents are compared to maximum contaminant levels (MCLs) or practical quantitation limits (PQLs), in lieu of statistical comparisons to historical concentrations.

Interwell Statistics: Upgradient versus Downgradient Comparisons

Interwell statistics are appropriate when the upgradient and downgradient wells monitor the same ground water formation and there is similar variability in the upgradient and downgradient zones. Site prediction limits are determined by pooling the historical ground water data from hydraulically upgradient wells. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances. The type of prediction limit utilized (e.g., parametric or nonparametric) is based on the detection frequency and the data distribution of each parameter in the background data. The distribution of the background data is tested for normality using the Shapiro-Wilk test (Gibbons, 1994 and USEPA 1992). If the constituent is normally distributed, a normal prediction limit is used. If normality is rejected by the Shapiro-Wilk test, the background data is transformed by taking the natural logarithm. The Shapiro-Wilk test is then reapplied on the transformed data. If it is not rejected, lognormal prediction limits are used. If after transforming the data, normality is still rejected, nonparametric prediction limits are used for that analyte. The nonparametric prediction limit is the largest determination in the background measurements. For constituents where the background detection frequency is greater than 0% but less than 50%, nonparametric prediction limits will be used. If the detection frequency is 0% after thirteen samples have been collected, the practical quantitation limit (PQL) becomes the nonparametric prediction limit.

Results of the Interwell Statistics

The background data used in this statistical analysis includes the ground water data collected from ground water wells MW-2, MW-17, MW-18, MW-19A, MW-24, and MW-9 during the period from October 2014 through the current data. A summary of the background data from monitoring wells MW-2, MW-17, MW-18, MW-19A, MW-24, and MW-9, used to determine the site prediction limits, is listed in Attachment B, Table 1 “Upgradient Data”. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances.

Table 2 “Most Current Downgradient Monitoring Data”, summarizes the current data from downgradient wells MW-12, MW-15R, MW-20R, MW-21, MW-22, MW-4, and MW-5 compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks. For the data obtained during the first semi-annual monitoring event in 2025, there were no site prediction limit exceedances detected.

The detection frequencies of the parameters in the up and down gradient monitoring wells are summarized in Table 3. Barium, cobalt, and nickel are detected at a frequency greater than 50% in the upgradient wells so those metals were tested for normality. The remainder of the metals are rarely detected (less than 50%)

in the upgradient wells so nonparametric limits were used in those cases. Table 4 summarizes the results of the Shapiro-Wilk test. Table 5 is a summary of the statistics and prediction limits determined for the metals. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

A statistical power curve indicates the expected false assessments for the site as a whole. The false positive rate for interwell analyses is the percentage of failures when the upgradient versus downgradient true mean difference equals zero. False negative rate indicates the chance of missing contamination at a single well for a single constituent. The statistical power is a function of the number of wells included, the number of constituents compared, the detection frequencies, and the data distributions involved. For interwell analysis, the site-wide false positive rate is 1% and the test becomes sensitive to 3 standard deviation unit increases over background.

The past verified metals exceedances were evaluated against the ground water protection standards (GWPS) using confidence limits calculated in accordance with the Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, USEPA, March 2009 (Attachment C). The analysis was conducted to evaluate whether verified concentrations are significantly above the water quality standard. The 95% lower confidence limit (LCL) for the mean of the historical data was used to evaluate whether the regulated unit is in compliance with the ground-water protection standards under 40 CFR 264 (e.g. whether the verified constituent is detected at a significant level above the GWPS). An exceedance is verified if the LCL is above the Regulatory GWPS.

Compliance wells

The 95% LCL for arsenic at MW-15R (12.476 µg/L) exceeds the USEPA MCL of 10 µg/L.

The 95% LCL for cobalt at MW-15R (2.136 µg/L) exceeds the Iowa Statewide Standard of 2.1 µg/L.

The 95% LCL for arsenic at MW-20R (20.404 µg/L) exceeds the USEPA MCL of 10 µg/L.

The 95% LCL for arsenic at MW-22 (50.713 µg/L) exceeds the USEPA MCL of 10 µg/L.

The 95% LCL for arsenic at MW-4 (56.980 µg/L) exceeds the USEPA MCL of 10 µg/L.

Background wells

The 95% LCL for arsenic at MW-18 (15.952 µg/L) exceeds the USEPA MCL of 10 µg/L.

The 95% LCL for cobalt at MW-18 (5.520 µg/L) exceeds the Iowa Statewide Standard of 2.1 µg/L.

The 95% LCL for cobalt at MW-9 (3.874 µg/L) exceeds the Iowa Statewide Standard of 2.1 µg/L.

The remainder of the calculated LCLs are below ground water quality standards.

Intrawell Statistics

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

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

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

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

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

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

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

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

Results of the Intrawell Statistics

The Appendix I trace metals data from compliance wells MW-12, MW-15R, MW-20R, MW-21, MW-22, MW-4, and MW-5 were evaluated using the combined Shewhart-CUSUM control chart method. The previous background included the data obtained from October 2014 through 2020. As ground water monitoring at a municipal solid waste facility proceeds, it is recommended to update background data sets periodically with valid detection monitoring results that are representative of background groundwater quality not affected by leakage from a monitored unit. Failure to update background will exclude factors such as natural temporal variation, changes in field or laboratory methodologies, and changes in the water table due to meteorological conditions or other influences. Since there were no exceedances attributed to the landfill, the background was updated to include data obtained from October 2014 through 2024.

A summary of the intrawell statistics is included in Attachment D, Table 1 “Summary Statistics and Intermediate Computations for Combined Shewhart-CUSUM Control Charts.” The control charts or time series graphs follow the summary table. For the parameters evaluated, there were no control limit exceedances detected. Increasing trends were detected in the background data for arsenic at MW-5 and barium at MW-5.

A control chart factor was selected to provide a balance of the site-wide false positive and false negative rates. A statistical power curve indicates the expected false assessments for the site as a whole. Given an accepted resample verification plan of “pass one of one” resamples, the number of statistical comparisons, and the number of background data points, the optimal factor $h = SCL = 6.5$ for $N < 12$. Using this factor for intrawell analysis, the site-wide false positive rate is 9% and the test becomes sensitive to 4 standard deviation units over background.

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. VOCs detected in the ground water at South Dallas County Landfill during the first semi-annual monitoring event in 2025 are summarized below.

VOCs detected at South Dallas County Landfill during the first semi-annual monitoring event in 2025

Well	VOC Detected	Result, µg/L	Reporting Limit, µg/L	Verified/ Awaiting Verification	Groundwater Standard, µg/L
MW-4	1,4-Dichlorobenzene	5.3	1	Verified	75 ^a
	Benzene	1.1	1	Verified	5 ^a
MW-21	Chloromethane	1.1	1	Awaiting Verification	na

a - USEPA MCL

b – Iowa Statewide Standard

These VOCs are often associated with landfill gas migration. Historical VOC detections are summarized in Attachment E. 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 F). The calculated LCLs are all below ground water quality standards for each of the verified detections.

CONCLUSIONS

This report summarizes the statistical analyses used to evaluate the ground water data obtained during the first semi-annual monitoring event in 2025 at South Dallas County Sanitary Landfill. Monitoring wells MW-12, MW-15R, MW-17, MW-18, MW-19A, MW-20R, MW-21, MW-22, MW-24, MW-4, MW-5, and MW-9 were sampled on March 3, 2025 and analyzed for the parameters required by permit. The ground water data was compared to background using prediction limits. There were no site prediction limit exceedances detected. Using intrawell comparisons, there were no control limit exceedances. The VOCs were compared to MCLs or PQLs, in lieu of statistical comparisons to historical concentrations. There are verified detections of 1,4-dichlorobenzene and benzene at MW-4.

Attachment A

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

Table 1

Analytical Data Summary for 3/3/2025

Constituents	Units	MW-12	MW-15R	MW-17	MW-18	MW-19A	MW-20R	MW-21	MW-22	MW-24	MW-25	MW-26	MW-4	MW-5	MW-9
1,1,1,2-tetrachloroethane	ug/L	<1	<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
1,1,2,2-tetrachloroethane	ug/L	<1	<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
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<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	<5
1,2-dibromoethane	ug/L	<1	<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
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,4-dichlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			5.3	<1.0	<1.0
2-butanone (mek)	ug/L	<10	<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	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<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	<10
Acrylonitrile	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2			<2	<2	<2
Arsenic, total	ug/L	<4.0	14.0	<4.0	19.6	<4.0	47.1	19.0	63.4	22.7	<4.0	21.2	62.2	8.0	<4.0
Barium, total	ug/L	267.0	343.0	152.0	654.0	35.9	601.0	850.0	458.0	585.0	85.8	517.0	940.0	236.0	282.0
Benzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			1.1	<1.0	<1.0
Beryllium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Bis(2-ethylhexyl) phthalate	ug/L													<6	
Bromochloromethane	ug/L	<1	<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	<1
Bromoform	ug/L	<1	<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	<1
Cadmium, total	ug/L	<.8	<.8	<.8	<.8	<.8	<.8	.8	<.8	<.8			<.8	<.8	<.8
Carbon disulfide	ug/L	<1	<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	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Chloromethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0			<1.0	<1.0	<1.0
Chromium, total	ug/L	<8	<8	<8	<8	<8	<8	<8	<8	<8			<8	<8	<8
Cis-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Cobalt, total	ug/L	3.3	2.6	1.9	7.3	.5	.5	1.2	2.3	.4			1.0	19.9	3.9
Copper, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	4.9			<4.0	<4.0	<4.0
Dibromochloromethane	ug/L	<1	<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	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Methyl iodide	ug/L	<1	<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	<5
Nickel, total	ug/L	6.4	<4.0	6.8	16.3	8.7	<4.0	9.4	<4.0	<4.0			<4.0	18.1	7.8
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Thallium, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2			<2	<2	<2
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1

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

Table 1

Analytical Data Summary for 3/3/2025

Constituents	Units	MW-12	MW-15R	MW-17	MW-18	MW-19A	MW-20R	MW-21	MW-22	MW-24	MW-25	MW-26	MW-4	MW-5	MW-9
Trans-1,3-dichloropropene	ug/L	<1	<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	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20			<20	<20	<20
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2			<2	<2	<2
Zinc, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20			<20	<20	<20

* - 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-17	10/16/2014	ND	2.0000		
Antimony, total	ug/L	MW-17	04/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-17	10/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-17	04/04/2016	ND	2.0000		
Antimony, total	ug/L	MW-17	09/20/2016	ND	2.0000		
Antimony, total	ug/L	MW-17	04/24/2017	ND	2.0000		
Antimony, total	ug/L	MW-17	10/09/2017	ND	2.0000		
Antimony, total	ug/L	MW-17	03/21/2018	ND	2.0000		
Antimony, total	ug/L	MW-17	09/07/2018	ND	2.0000		
Antimony, total	ug/L	MW-17	04/02/2019	ND	2.0000		
Antimony, total	ug/L	MW-17	09/18/2019	ND	2.0000		
Antimony, total	ug/L	MW-17	03/25/2020	ND	2.0000		
Antimony, total	ug/L	MW-17	09/15/2020	ND	2.0000		
Antimony, total	ug/L	MW-17	03/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-17	09/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-17	03/08/2022	ND	2.0000		
Antimony, total	ug/L	MW-17	08/30/2022	ND	2.0000		
Antimony, total	ug/L	MW-17	03/07/2023	ND	2.0000		
Antimony, total	ug/L	MW-17	09/11/2023	ND	2.0000		
Antimony, total	ug/L	MW-17	03/20/2024	ND	2.0000		
Antimony, total	ug/L	MW-17	09/12/2024	ND	2.0000		
Antimony, total	ug/L	MW-17	03/03/2025	ND	2.0000		
Arsenic, total	ug/L	MW-17	10/16/2014	ND	4.0000		
Arsenic, total	ug/L	MW-17	04/04/2015	ND	4.0000		
Arsenic, total	ug/L	MW-17	10/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-17	04/04/2016	ND	4.0000		
Arsenic, total	ug/L	MW-17	09/20/2016	ND	4.0000		
Arsenic, total	ug/L	MW-17	04/24/2017	ND	4.0000		
Arsenic, total	ug/L	MW-17	10/09/2017	ND	4.0000		
Arsenic, total	ug/L	MW-17	03/21/2018		5.0000		
Arsenic, total	ug/L	MW-17	09/07/2018	ND	4.0000		
Arsenic, total	ug/L	MW-17	04/02/2019		4.4000		
Arsenic, total	ug/L	MW-17	09/18/2019	ND	4.0000		
Arsenic, total	ug/L	MW-17	03/25/2020	ND	4.0000		
Arsenic, total	ug/L	MW-17	09/15/2020	ND	4.0000		
Arsenic, total	ug/L	MW-17	03/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-17	09/28/2021	ND	4.0000		
Arsenic, total	ug/L	MW-17	03/08/2022	ND	4.0000		
Arsenic, total	ug/L	MW-17	08/30/2022	ND	4.0000		
Arsenic, total	ug/L	MW-17	03/07/2023	ND	4.0000		
Arsenic, total	ug/L	MW-17	09/11/2023	ND	4.0000		
Arsenic, total	ug/L	MW-17	03/20/2024	ND	4.0000		
Arsenic, total	ug/L	MW-17	09/12/2024	ND	4.0000		
Arsenic, total	ug/L	MW-17	03/03/2025	ND	4.0000		
Barium, total	ug/L	MW-17	10/16/2014		173.0000		
Barium, total	ug/L	MW-17	04/04/2015		185.0000		
Barium, total	ug/L	MW-17	10/01/2015		142.0000		
Barium, total	ug/L	MW-17	04/04/2016		143.0000		
Barium, total	ug/L	MW-17	09/20/2016		174.0000		
Barium, total	ug/L	MW-17	04/24/2017		172.0000		
Barium, total	ug/L	MW-17	10/09/2017		182.0000		
Barium, total	ug/L	MW-17	03/21/2018		233.0000		
Barium, total	ug/L	MW-17	09/07/2018		131.0000		
Barium, total	ug/L	MW-17	04/02/2019		179.0000		
Barium, total	ug/L	MW-17	09/18/2019		138.0000		
Barium, total	ug/L	MW-17	03/25/2020		123.0000		
Barium, total	ug/L	MW-17	09/15/2020		180.0000		
Barium, total	ug/L	MW-17	03/08/2021		160.0000		
Barium, total	ug/L	MW-17	09/28/2021		179.0000		
Barium, total	ug/L	MW-17	03/08/2022		192.0000		
Barium, total	ug/L	MW-17	08/30/2022		137.0000		
Barium, total	ug/L	MW-17	03/07/2023		162.0000		
Barium, total	ug/L	MW-17	09/11/2023		149.0000		
Barium, total	ug/L	MW-17	03/20/2024		149.0000		
Barium, total	ug/L	MW-17	09/12/2024		153.0000		
Barium, total	ug/L	MW-17	03/03/2025		152.0000		
Beryllium, total	ug/L	MW-17	10/16/2014	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/04/2016	ND	4.0000		
Beryllium, total	ug/L	MW-17	09/20/2016	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/24/2017	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/09/2017	ND	4.0000		
Beryllium, total	ug/L	MW-17	03/21/2018	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	
Beryllium, total	ug/L	MW-17	09/07/2018	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/02/2019	ND	4.0000		
Beryllium, total	ug/L	MW-17	09/18/2019	ND	4.0000		
Beryllium, total	ug/L	MW-17	03/25/2020	ND	4.0000		
Beryllium, total	ug/L	MW-17	09/15/2020	ND	4.0000		
Beryllium, total	ug/L	MW-17	03/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-17	09/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-17	03/08/2022	ND	4.0000		
Beryllium, total	ug/L	MW-17	08/30/2022	ND	4.0000		
Beryllium, total	ug/L	MW-17	03/07/2023	ND	4.0000		
Beryllium, total	ug/L	MW-17	09/11/2023	ND	4.0000		
Beryllium, total	ug/L	MW-17	03/20/2024	ND	4.0000		
Beryllium, total	ug/L	MW-17	09/12/2024	ND	4.0000		
Beryllium, total	ug/L	MW-17	03/03/2025	ND	4.0000		
Cadmium, total	ug/L	MW-17	10/16/2014	ND	0.8000		
Cadmium, total	ug/L	MW-17	04/04/2015	ND	0.8000		
Cadmium, total	ug/L	MW-17	10/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-17	04/04/2016		1.0000		
Cadmium, total	ug/L	MW-17	09/20/2016	ND	0.8000		
Cadmium, total	ug/L	MW-17	04/24/2017		0.9000		
Cadmium, total	ug/L	MW-17	10/09/2017	ND	0.8000		
Cadmium, total	ug/L	MW-17	03/21/2018	ND	0.8000		
Cadmium, total	ug/L	MW-17	09/07/2018	ND	0.8000		
Cadmium, total	ug/L	MW-17	04/02/2019	ND	0.8000		
Cadmium, total	ug/L	MW-17	09/18/2019	ND	0.8000		
Cadmium, total	ug/L	MW-17	03/25/2020	ND	0.8000		
Cadmium, total	ug/L	MW-17	09/15/2020		0.8000		
Cadmium, total	ug/L	MW-17	03/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-17	09/28/2021		1.1000		
Cadmium, total	ug/L	MW-17	03/08/2022	ND	0.8000		
Cadmium, total	ug/L	MW-17	08/30/2022	ND	0.8000		
Cadmium, total	ug/L	MW-17	03/07/2023	ND	0.8000		
Cadmium, total	ug/L	MW-17	09/11/2023	ND	0.8000		
Cadmium, total	ug/L	MW-17	03/20/2024	ND	0.8000		
Cadmium, total	ug/L	MW-17	09/12/2024	ND	0.8000		
Cadmium, total	ug/L	MW-17	03/03/2025	ND	0.8000		
Chromium, total	ug/L	MW-17	10/16/2014	ND	8.0000		
Chromium, total	ug/L	MW-17	04/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-17	10/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-17	04/04/2016	ND	8.0000		
Chromium, total	ug/L	MW-17	09/20/2016	ND	8.0000		
Chromium, total	ug/L	MW-17	04/24/2017	ND	8.0000		
Chromium, total	ug/L	MW-17	10/09/2017	ND	8.0000		
Chromium, total	ug/L	MW-17	03/21/2018	ND	8.0000		
Chromium, total	ug/L	MW-17	09/07/2018	ND	8.0000		
Chromium, total	ug/L	MW-17	04/02/2019	ND	8.0000		
Chromium, total	ug/L	MW-17	09/18/2019	ND	8.0000		
Chromium, total	ug/L	MW-17	03/25/2020	ND	8.0000		
Chromium, total	ug/L	MW-17	09/15/2020	ND	8.0000		
Chromium, total	ug/L	MW-17	03/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-17	09/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-17	03/08/2022	ND	8.0000		
Chromium, total	ug/L	MW-17	08/30/2022	ND	8.0000		
Chromium, total	ug/L	MW-17	03/07/2023	ND	8.0000		
Chromium, total	ug/L	MW-17	09/11/2023	ND	8.0000		
Chromium, total	ug/L	MW-17	03/20/2024	ND	8.0000		
Chromium, total	ug/L	MW-17	09/12/2024	ND	8.0000		
Chromium, total	ug/L	MW-17	03/03/2025	ND	8.0000		
Cobalt, total	ug/L	MW-17	10/16/2014		8.1000		
Cobalt, total	ug/L	MW-17	04/04/2015		9.7000		
Cobalt, total	ug/L	MW-17	10/01/2015		7.0000		
Cobalt, total	ug/L	MW-17	04/04/2016		4.6000		
Cobalt, total	ug/L	MW-17	09/20/2016		4.3000		
Cobalt, total	ug/L	MW-17	04/24/2017		5.2000		
Cobalt, total	ug/L	MW-17	10/09/2017		6.9000		
Cobalt, total	ug/L	MW-17	03/21/2018		23.0000		
Cobalt, total	ug/L	MW-17	09/07/2018		8.6000		
Cobalt, total	ug/L	MW-17	04/02/2019		46.5000	*	
Cobalt, total	ug/L	MW-17	09/18/2019		54.8000	*	
Cobalt, total	ug/L	MW-17	03/25/2020		7.2000		
Cobalt, total	ug/L	MW-17	09/15/2020		11.3000		
Cobalt, total	ug/L	MW-17	03/08/2021		7.4000		
Cobalt, total	ug/L	MW-17	09/28/2021		13.4000		
Cobalt, total	ug/L	MW-17	03/08/2022		5.5000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, total	ug/L	MW-17	08/30/2022		1.5000		
Cobalt, total	ug/L	MW-17	03/07/2023		13.0000		
Cobalt, total	ug/L	MW-17	09/11/2023		0.6000		
Cobalt, total	ug/L	MW-17	03/20/2024		0.7000		
Cobalt, total	ug/L	MW-17	09/12/2024		3.6000		
Cobalt, total	ug/L	MW-17	03/03/2025		1.9000		
Copper, total	ug/L	MW-17	10/16/2014		4.6000		
Copper, total	ug/L	MW-17	04/04/2015	ND	4.0000		
Copper, total	ug/L	MW-17	10/01/2015	ND	4.0000		
Copper, total	ug/L	MW-17	04/04/2016	ND	4.0000		
Copper, total	ug/L	MW-17	09/20/2016	ND	4.0000		
Copper, total	ug/L	MW-17	04/24/2017	ND	4.0000		
Copper, total	ug/L	MW-17	10/09/2017		5.3000		
Copper, total	ug/L	MW-17	03/21/2018		4.3000		
Copper, total	ug/L	MW-17	09/07/2018	ND	4.0000		
Copper, total	ug/L	MW-17	04/02/2019	ND	4.0000		
Copper, total	ug/L	MW-17	09/18/2019	ND	4.0000		
Copper, total	ug/L	MW-17	03/25/2020		4.2000		
Copper, total	ug/L	MW-17	09/15/2020		4.3000		
Copper, total	ug/L	MW-17	03/08/2021	ND	4.0000		
Copper, total	ug/L	MW-17	09/28/2021		7.4000		
Copper, total	ug/L	MW-17	03/08/2022		4.0000		
Copper, total	ug/L	MW-17	08/30/2022	ND	4.0000		
Copper, total	ug/L	MW-17	03/07/2023	ND	4.0000		
Copper, total	ug/L	MW-17	09/11/2023	ND	4.0000		
Copper, total	ug/L	MW-17	03/20/2024	ND	4.0000		
Copper, total	ug/L	MW-17	09/12/2024	ND	4.0000		
Copper, total	ug/L	MW-17	03/03/2025	ND	4.0000		
Lead, total	ug/L	MW-17	10/16/2014	ND	4.0000		
Lead, total	ug/L	MW-17	04/04/2015	ND	4.0000		
Lead, total	ug/L	MW-17	10/01/2015	ND	4.0000		
Lead, total	ug/L	MW-17	04/04/2016	ND	4.0000		
Lead, total	ug/L	MW-17	09/20/2016	ND	4.0000		
Lead, total	ug/L	MW-17	04/24/2017	ND	4.0000		
Lead, total	ug/L	MW-17	10/09/2017	ND	4.0000		
Lead, total	ug/L	MW-17	03/21/2018	ND	4.0000		
Lead, total	ug/L	MW-17	09/07/2018	ND	4.0000		
Lead, total	ug/L	MW-17	04/02/2019	ND	4.0000		
Lead, total	ug/L	MW-17	09/18/2019	ND	4.0000		
Lead, total	ug/L	MW-17	03/25/2020	ND	4.0000		
Lead, total	ug/L	MW-17	09/15/2020	ND	4.0000		
Lead, total	ug/L	MW-17	03/08/2021	ND	4.0000		
Lead, total	ug/L	MW-17	09/28/2021	ND	4.0000		
Lead, total	ug/L	MW-17	03/08/2022	ND	4.0000		
Lead, total	ug/L	MW-17	08/30/2022	ND	4.0000		
Lead, total	ug/L	MW-17	03/07/2023	ND	4.0000		
Lead, total	ug/L	MW-17	09/11/2023	ND	4.0000		
Lead, total	ug/L	MW-17	03/20/2024	ND	4.0000		
Lead, total	ug/L	MW-17	09/12/2024	ND	4.0000		
Lead, total	ug/L	MW-17	03/03/2025	ND	4.0000		
Nickel, total	ug/L	MW-17	10/16/2014		9.9000		
Nickel, total	ug/L	MW-17	04/04/2015		7.8000		
Nickel, total	ug/L	MW-17	10/01/2015		13.7000		
Nickel, total	ug/L	MW-17	04/04/2016		4.7000		
Nickel, total	ug/L	MW-17	09/20/2016	ND	4.0000		
Nickel, total	ug/L	MW-17	04/24/2017		6.3000		
Nickel, total	ug/L	MW-17	10/09/2017		8.0000		
Nickel, total	ug/L	MW-17	03/21/2018	ND	20.0000	4.0000	**
Nickel, total	ug/L	MW-17	09/07/2018		7.2000		
Nickel, total	ug/L	MW-17	04/02/2019		15.9000		
Nickel, total	ug/L	MW-17	09/18/2019		10.9000		
Nickel, total	ug/L	MW-17	03/25/2020		8.2000		
Nickel, total	ug/L	MW-17	09/15/2020		10.7000		
Nickel, total	ug/L	MW-17	03/08/2021		12.0000		
Nickel, total	ug/L	MW-17	09/28/2021		16.7000		
Nickel, total	ug/L	MW-17	03/08/2022		6.4000		
Nickel, total	ug/L	MW-17	08/30/2022		6.1000		
Nickel, total	ug/L	MW-17	03/07/2023		9.1000		
Nickel, total	ug/L	MW-17	09/11/2023		5.9000		
Nickel, total	ug/L	MW-17	03/20/2024		4.9000		
Nickel, total	ug/L	MW-17	09/12/2024		6.6000		
Nickel, total	ug/L	MW-17	03/03/2025		6.8000		
Selenium, total	ug/L	MW-17	10/16/2014	ND	4.0000		
Selenium, total	ug/L	MW-17	04/04/2015	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	
Selenium, total	ug/L	MW-17	10/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-17	04/04/2016	ND	4.0000		
Selenium, total	ug/L	MW-17	09/20/2016	ND	4.0000		
Selenium, total	ug/L	MW-17	04/24/2017	ND	4.0000		
Selenium, total	ug/L	MW-17	10/09/2017	ND	4.0000		
Selenium, total	ug/L	MW-17	03/21/2018	ND	4.0000		
Selenium, total	ug/L	MW-17	09/07/2018	ND	4.0000		
Selenium, total	ug/L	MW-17	04/02/2019	ND	4.0000		
Selenium, total	ug/L	MW-17	09/18/2019	ND	4.0000		
Selenium, total	ug/L	MW-17	03/25/2020	ND	4.0000		
Selenium, total	ug/L	MW-17	09/15/2020	ND	4.0000		
Selenium, total	ug/L	MW-17	03/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-17	09/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-17	03/08/2022	ND	4.0000		
Selenium, total	ug/L	MW-17	08/30/2022	ND	4.0000		
Selenium, total	ug/L	MW-17	03/07/2023	ND	4.0000		
Selenium, total	ug/L	MW-17	09/11/2023	ND	4.0000		
Selenium, total	ug/L	MW-17	03/20/2024		7.5000		
Selenium, total	ug/L	MW-17	09/12/2024		6.8000		
Selenium, total	ug/L	MW-17	03/03/2025	ND	4.0000		
Silver, total	ug/L	MW-17	10/16/2014	ND	4.0000		
Silver, total	ug/L	MW-17	04/04/2015	ND	4.0000		
Silver, total	ug/L	MW-17	10/01/2015	ND	4.0000		
Silver, total	ug/L	MW-17	04/04/2016	ND	4.0000		
Silver, total	ug/L	MW-17	09/20/2016	ND	4.0000		
Silver, total	ug/L	MW-17	04/24/2017	ND	4.0000		
Silver, total	ug/L	MW-17	10/09/2017	ND	4.0000		
Silver, total	ug/L	MW-17	03/21/2018	ND	4.0000		
Silver, total	ug/L	MW-17	09/07/2018	ND	4.0000		
Silver, total	ug/L	MW-17	04/02/2019	ND	4.0000		
Silver, total	ug/L	MW-17	09/18/2019	ND	4.0000		
Silver, total	ug/L	MW-17	03/25/2020	ND	4.0000		
Silver, total	ug/L	MW-17	09/15/2020	ND	4.0000		
Silver, total	ug/L	MW-17	03/08/2021	ND	4.0000		
Silver, total	ug/L	MW-17	09/28/2021	ND	4.0000		
Silver, total	ug/L	MW-17	03/08/2022	ND	4.0000		
Silver, total	ug/L	MW-17	08/30/2022	ND	4.0000		
Silver, total	ug/L	MW-17	03/07/2023	ND	4.0000		
Silver, total	ug/L	MW-17	09/11/2023	ND	4.0000		
Silver, total	ug/L	MW-17	03/20/2024	ND	4.0000		
Silver, total	ug/L	MW-17	09/12/2024	ND	4.0000		
Silver, total	ug/L	MW-17	03/03/2025	ND	4.0000		
Thallium, total	ug/L	MW-17	10/16/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	04/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	10/01/2015	ND	1.0000	2.0000	**
Thallium, total	ug/L	MW-17	04/04/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	09/20/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	04/24/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	10/09/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	03/21/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	09/07/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	04/02/2019	ND	2.0000		
Thallium, total	ug/L	MW-17	09/18/2019	ND	2.0000		
Thallium, total	ug/L	MW-17	03/25/2020	ND	2.0000		
Thallium, total	ug/L	MW-17	09/15/2020	ND	2.0000		
Thallium, total	ug/L	MW-17	03/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-17	09/28/2021	ND	2.0000		
Thallium, total	ug/L	MW-17	03/08/2022	ND	2.0000		
Thallium, total	ug/L	MW-17	08/30/2022	ND	2.0000		
Thallium, total	ug/L	MW-17	03/07/2023		2.3000		
Thallium, total	ug/L	MW-17	09/11/2023	ND	2.0000		
Thallium, total	ug/L	MW-17	03/20/2024	ND	2.0000		
Thallium, total	ug/L	MW-17	09/12/2024	ND	2.0000		
Thallium, total	ug/L	MW-17	03/03/2025	ND	2.0000		
Vanadium, total	ug/L	MW-17	10/16/2014	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/04/2016	ND	20.0000		
Vanadium, total	ug/L	MW-17	09/20/2016	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/24/2017	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/09/2017	ND	20.0000		
Vanadium, total	ug/L	MW-17	03/21/2018	ND	20.0000		
Vanadium, total	ug/L	MW-17	09/07/2018	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/02/2019	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-17	09/18/2019	ND	20.0000		
Vanadium, total	ug/L	MW-17	03/25/2020	ND	20.0000		
Vanadium, total	ug/L	MW-17	09/15/2020	ND	20.0000		
Vanadium, total	ug/L	MW-17	03/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-17	09/28/2021	ND	20.0000		
Vanadium, total	ug/L	MW-17	03/08/2022	ND	20.0000		
Vanadium, total	ug/L	MW-17	08/30/2022	ND	20.0000		
Vanadium, total	ug/L	MW-17	03/07/2023	ND	20.0000		
Vanadium, total	ug/L	MW-17	09/11/2023	ND	20.0000		
Vanadium, total	ug/L	MW-17	03/20/2024	ND	20.0000		
Vanadium, total	ug/L	MW-17	09/12/2024	ND	20.0000		
Vanadium, total	ug/L	MW-17	03/03/2025	ND	20.0000		
Zinc, total	ug/L	MW-17	10/16/2014	ND	20.0000		
Zinc, total	ug/L	MW-17	04/04/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	10/01/2015		10.9000		
Zinc, total	ug/L	MW-17	04/04/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	09/20/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	04/24/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	10/09/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	03/21/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	09/07/2018		67.4000		*
Zinc, total	ug/L	MW-17	04/02/2019		33.3000		
Zinc, total	ug/L	MW-17	09/18/2019		61.5000		*
Zinc, total	ug/L	MW-17	03/25/2020	ND	20.0000		
Zinc, total	ug/L	MW-17	09/15/2020	ND	20.0000		
Zinc, total	ug/L	MW-17	03/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-17	09/28/2021	ND	20.0000		
Zinc, total	ug/L	MW-17	03/08/2022	ND	20.0000		
Zinc, total	ug/L	MW-17	08/30/2022	ND	20.0000		
Zinc, total	ug/L	MW-17	03/07/2023	ND	20.0000		
Zinc, total	ug/L	MW-17	09/11/2023	ND	20.0000		
Zinc, total	ug/L	MW-17	03/20/2024	ND	20.0000		
Zinc, total	ug/L	MW-17	09/12/2024	ND	20.0000		
Zinc, total	ug/L	MW-17	03/03/2025	ND	20.0000		
Antimony, total	ug/L	MW-18	10/16/2014	ND	2.0000		
Antimony, total	ug/L	MW-18	04/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-18	10/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-18	04/04/2016	ND	2.0000		
Antimony, total	ug/L	MW-18	09/20/2016	ND	2.0000		
Antimony, total	ug/L	MW-18	04/24/2017	ND	2.0000		
Antimony, total	ug/L	MW-18	10/09/2017	ND	2.0000		
Antimony, total	ug/L	MW-18	03/21/2018	ND	2.0000		
Antimony, total	ug/L	MW-18	09/07/2018	ND	2.0000		
Antimony, total	ug/L	MW-18	04/02/2019	ND	2.0000		
Antimony, total	ug/L	MW-18	09/18/2019	ND	2.0000		
Antimony, total	ug/L	MW-18	03/25/2020	ND	2.0000		
Antimony, total	ug/L	MW-18	09/15/2020	ND	2.0000		
Antimony, total	ug/L	MW-18	03/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-18	09/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-18	03/08/2022	ND	2.0000		
Antimony, total	ug/L	MW-18	08/30/2022	ND	2.0000		
Antimony, total	ug/L	MW-18	03/07/2023	ND	2.0000		
Antimony, total	ug/L	MW-18	09/11/2023	ND	2.0000		
Antimony, total	ug/L	MW-18	03/20/2024	ND	2.0000		
Antimony, total	ug/L	MW-18	09/12/2024	ND	2.0000		
Antimony, total	ug/L	MW-18	03/03/2025	ND	2.0000		
Arsenic, total	ug/L	MW-18	10/16/2014		25.7000		
Arsenic, total	ug/L	MW-18	04/04/2015		34.2000		
Arsenic, total	ug/L	MW-18	10/01/2015		21.1000		
Arsenic, total	ug/L	MW-18	04/04/2016		26.2000		
Arsenic, total	ug/L	MW-18	09/20/2016		23.4000		
Arsenic, total	ug/L	MW-18	04/24/2017		22.3000		
Arsenic, total	ug/L	MW-18	10/09/2017		23.5000		
Arsenic, total	ug/L	MW-18	03/21/2018		21.1000		
Arsenic, total	ug/L	MW-18	09/07/2018		19.4000		
Arsenic, total	ug/L	MW-18	04/02/2019		21.5000		
Arsenic, total	ug/L	MW-18	09/18/2019		21.7000		
Arsenic, total	ug/L	MW-18	03/25/2020		19.4000		
Arsenic, total	ug/L	MW-18	09/15/2020		23.4000		
Arsenic, total	ug/L	MW-18	03/08/2021		23.3000		
Arsenic, total	ug/L	MW-18	09/28/2021		19.9000		
Arsenic, total	ug/L	MW-18	03/08/2022		21.3000		
Arsenic, total	ug/L	MW-18	08/30/2022		27.3000		
Arsenic, total	ug/L	MW-18	03/07/2023		18.3000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic, total	ug/L	MW-18	09/11/2023		18.7000		
Arsenic, total	ug/L	MW-18	03/20/2024		16.8000		
Arsenic, total	ug/L	MW-18	09/12/2024		16.2000		
Arsenic, total	ug/L	MW-18	03/03/2025		19.6000		
Barium, total	ug/L	MW-18	10/16/2014		903.0000		
Barium, total	ug/L	MW-18	04/04/2015		1140.0000		
Barium, total	ug/L	MW-18	10/01/2015		822.0000		
Barium, total	ug/L	MW-18	04/04/2016		860.0000		
Barium, total	ug/L	MW-18	09/20/2016		877.0000		
Barium, total	ug/L	MW-18	04/24/2017		827.0000		
Barium, total	ug/L	MW-18	10/09/2017		868.0000		
Barium, total	ug/L	MW-18	03/21/2018		863.0000		
Barium, total	ug/L	MW-18	09/07/2018		831.0000		
Barium, total	ug/L	MW-18	04/02/2019		862.0000		
Barium, total	ug/L	MW-18	09/18/2019		823.0000		
Barium, total	ug/L	MW-18	03/25/2020		897.0000		
Barium, total	ug/L	MW-18	09/15/2020		898.0000		
Barium, total	ug/L	MW-18	03/08/2021		840.0000		
Barium, total	ug/L	MW-18	09/28/2021		741.0000		
Barium, total	ug/L	MW-18	03/08/2022		792.0000		
Barium, total	ug/L	MW-18	08/30/2022		760.0000		
Barium, total	ug/L	MW-18	03/07/2023		702.0000		
Barium, total	ug/L	MW-18	09/11/2023		709.0000		
Barium, total	ug/L	MW-18	03/20/2024		623.0000		
Barium, total	ug/L	MW-18	09/12/2024		621.0000		
Barium, total	ug/L	MW-18	03/03/2025		654.0000		
Beryllium, total	ug/L	MW-18	10/16/2014	ND	4.0000		
Beryllium, total	ug/L	MW-18	04/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-18	10/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-18	04/04/2016	ND	4.0000		
Beryllium, total	ug/L	MW-18	09/20/2016	ND	4.0000		
Beryllium, total	ug/L	MW-18	04/24/2017	ND	4.0000		
Beryllium, total	ug/L	MW-18	10/09/2017	ND	4.0000		
Beryllium, total	ug/L	MW-18	03/21/2018	ND	4.0000		
Beryllium, total	ug/L	MW-18	09/07/2018	ND	4.0000		
Beryllium, total	ug/L	MW-18	04/02/2019	ND	4.0000		
Beryllium, total	ug/L	MW-18	09/18/2019	ND	4.0000		
Beryllium, total	ug/L	MW-18	03/25/2020	ND	4.0000		
Beryllium, total	ug/L	MW-18	09/15/2020	ND	4.0000		
Beryllium, total	ug/L	MW-18	03/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-18	09/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-18	03/08/2022	ND	4.0000		
Beryllium, total	ug/L	MW-18	08/30/2022	ND	4.0000		
Beryllium, total	ug/L	MW-18	03/07/2023	ND	4.0000		
Beryllium, total	ug/L	MW-18	09/11/2023	ND	4.0000		
Beryllium, total	ug/L	MW-18	03/20/2024	ND	4.0000		
Beryllium, total	ug/L	MW-18	09/12/2024	ND	4.0000		
Beryllium, total	ug/L	MW-18	03/03/2025	ND	4.0000		
Cadmium, total	ug/L	MW-18	10/16/2014		1.7000		
Cadmium, total	ug/L	MW-18	04/04/2015		3.9000		*
Cadmium, total	ug/L	MW-18	10/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-18	04/04/2016		1.0000		
Cadmium, total	ug/L	MW-18	09/20/2016		0.9000		
Cadmium, total	ug/L	MW-18	04/24/2017	ND	0.8000		
Cadmium, total	ug/L	MW-18	10/09/2017	ND	0.8000		
Cadmium, total	ug/L	MW-18	03/21/2018	ND	0.8000		
Cadmium, total	ug/L	MW-18	09/07/2018	ND	0.8000		
Cadmium, total	ug/L	MW-18	04/02/2019	ND	0.8000		
Cadmium, total	ug/L	MW-18	09/18/2019	ND	0.8000		
Cadmium, total	ug/L	MW-18	03/25/2020	ND	0.8000		
Cadmium, total	ug/L	MW-18	09/15/2020	ND	0.8000		
Cadmium, total	ug/L	MW-18	03/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-18	09/28/2021		1.2000		
Cadmium, total	ug/L	MW-18	03/08/2022	ND	0.8000		
Cadmium, total	ug/L	MW-18	08/30/2022	ND	0.8000		
Cadmium, total	ug/L	MW-18	03/07/2023	ND	0.8000		
Cadmium, total	ug/L	MW-18	09/11/2023	ND	0.8000		
Cadmium, total	ug/L	MW-18	03/20/2024	ND	0.8000		
Cadmium, total	ug/L	MW-18	09/12/2024	ND	0.8000		
Cadmium, total	ug/L	MW-18	03/03/2025	ND	0.8000		
Chromium, total	ug/L	MW-18	10/16/2014		11.6000		
Chromium, total	ug/L	MW-18	04/04/2015		26.4000		*
Chromium, total	ug/L	MW-18	10/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-18	04/04/2016	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-18	09/20/2016		10.5000		
Chromium, total	ug/L	MW-18	04/24/2017	ND	8.0000		
Chromium, total	ug/L	MW-18	10/09/2017	ND	8.0000		
Chromium, total	ug/L	MW-18	03/21/2018	ND	8.0000		
Chromium, total	ug/L	MW-18	09/07/2018	ND	8.0000		
Chromium, total	ug/L	MW-18	04/02/2019	ND	8.0000		
Chromium, total	ug/L	MW-18	09/18/2019	ND	8.0000		
Chromium, total	ug/L	MW-18	03/25/2020	ND	8.0000		
Chromium, total	ug/L	MW-18	09/15/2020	ND	8.0000		
Chromium, total	ug/L	MW-18	03/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-18	09/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-18	03/08/2022	ND	8.0000		
Chromium, total	ug/L	MW-18	08/30/2022	ND	8.0000		
Chromium, total	ug/L	MW-18	03/07/2023	ND	8.0000		
Chromium, total	ug/L	MW-18	09/11/2023	ND	8.0000		
Chromium, total	ug/L	MW-18	03/20/2024	ND	8.0000		
Chromium, total	ug/L	MW-18	09/12/2024	ND	8.0000		
Chromium, total	ug/L	MW-18	03/03/2025	ND	8.0000		
Cobalt, total	ug/L	MW-18	10/16/2014		23.5000		
Cobalt, total	ug/L	MW-18	04/04/2015		35.1000		*
Cobalt, total	ug/L	MW-18	10/01/2015		9.8000		
Cobalt, total	ug/L	MW-18	04/04/2016		12.0000		
Cobalt, total	ug/L	MW-18	09/20/2016		17.1000		
Cobalt, total	ug/L	MW-18	04/24/2017		8.5000		
Cobalt, total	ug/L	MW-18	10/09/2017		7.1000		
Cobalt, total	ug/L	MW-18	03/21/2018		5.5000		
Cobalt, total	ug/L	MW-18	09/07/2018		5.8000		
Cobalt, total	ug/L	MW-18	04/02/2019		4.1000		
Cobalt, total	ug/L	MW-18	09/18/2019		3.9000		
Cobalt, total	ug/L	MW-18	03/25/2020		3.6000		
Cobalt, total	ug/L	MW-18	09/15/2020		17.8000		
Cobalt, total	ug/L	MW-18	03/08/2021		9.2000		
Cobalt, total	ug/L	MW-18	09/28/2021		4.9000		
Cobalt, total	ug/L	MW-18	03/08/2022		4.0000		
Cobalt, total	ug/L	MW-18	08/30/2022		9.1000		
Cobalt, total	ug/L	MW-18	03/07/2023		9.2000		
Cobalt, total	ug/L	MW-18	09/11/2023		11.3000		
Cobalt, total	ug/L	MW-18	03/20/2024		12.2000		
Cobalt, total	ug/L	MW-18	09/12/2024		5.8000		
Cobalt, total	ug/L	MW-18	03/03/2025		7.3000		
Copper, total	ug/L	MW-18	10/16/2014		31.3000		*
Copper, total	ug/L	MW-18	04/04/2015		69.3000		*
Copper, total	ug/L	MW-18	10/01/2015	ND	4.0000		
Copper, total	ug/L	MW-18	04/04/2016	ND	4.0000		
Copper, total	ug/L	MW-18	09/20/2016		16.0000		*
Copper, total	ug/L	MW-18	04/24/2017	ND	4.0000		
Copper, total	ug/L	MW-18	10/09/2017	ND	4.0000		
Copper, total	ug/L	MW-18	03/21/2018	ND	4.0000		
Copper, total	ug/L	MW-18	09/07/2018	ND	4.0000		
Copper, total	ug/L	MW-18	04/02/2019	ND	4.0000		
Copper, total	ug/L	MW-18	09/18/2019	ND	4.0000		
Copper, total	ug/L	MW-18	03/25/2020	ND	4.0000		
Copper, total	ug/L	MW-18	09/15/2020	ND	4.0000		
Copper, total	ug/L	MW-18	03/08/2021	ND	4.0000		
Copper, total	ug/L	MW-18	09/28/2021	ND	4.0000		
Copper, total	ug/L	MW-18	03/08/2022	ND	4.0000		
Copper, total	ug/L	MW-18	08/30/2022	ND	4.0000		
Copper, total	ug/L	MW-18	03/07/2023	ND	4.0000		
Copper, total	ug/L	MW-18	09/11/2023	ND	4.0000		
Copper, total	ug/L	MW-18	03/20/2024	ND	4.0000		
Copper, total	ug/L	MW-18	09/12/2024	ND	4.0000		
Copper, total	ug/L	MW-18	03/03/2025	ND	4.0000		
Lead, total	ug/L	MW-18	10/16/2014		12.4000		*
Lead, total	ug/L	MW-18	04/04/2015		27.2000		*
Lead, total	ug/L	MW-18	10/01/2015	ND	4.0000		
Lead, total	ug/L	MW-18	04/04/2016	ND	4.0000		
Lead, total	ug/L	MW-18	09/20/2016		6.2000		
Lead, total	ug/L	MW-18	04/24/2017	ND	4.0000		
Lead, total	ug/L	MW-18	10/09/2017	ND	4.0000		
Lead, total	ug/L	MW-18	03/21/2018	ND	4.0000		
Lead, total	ug/L	MW-18	09/07/2018	ND	4.0000		
Lead, total	ug/L	MW-18	04/02/2019	ND	4.0000		
Lead, total	ug/L	MW-18	09/18/2019	ND	4.0000		
Lead, total	ug/L	MW-18	03/25/2020	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead, total	ug/L	MW-18	09/15/2020	ND	4.0000		
Lead, total	ug/L	MW-18	03/08/2021	ND	4.0000		
Lead, total	ug/L	MW-18	09/28/2021	ND	4.0000		
Lead, total	ug/L	MW-18	03/08/2022	ND	4.0000		
Lead, total	ug/L	MW-18	08/30/2022	ND	4.0000		
Lead, total	ug/L	MW-18	03/07/2023	ND	4.0000		
Lead, total	ug/L	MW-18	09/11/2023	ND	4.0000		
Lead, total	ug/L	MW-18	03/20/2024	ND	4.0000		
Lead, total	ug/L	MW-18	09/12/2024	ND	4.0000		
Lead, total	ug/L	MW-18	03/03/2025	ND	4.0000		
Nickel, total	ug/L	MW-18	10/16/2014		35.4000		*
Nickel, total	ug/L	MW-18	04/04/2015		67.7000		*
Nickel, total	ug/L	MW-18	10/01/2015		12.7000		
Nickel, total	ug/L	MW-18	04/04/2016		16.0000		
Nickel, total	ug/L	MW-18	09/20/2016		25.3000		
Nickel, total	ug/L	MW-18	04/24/2017		11.9000		
Nickel, total	ug/L	MW-18	10/09/2017		10.8000		
Nickel, total	ug/L	MW-18	03/21/2018	ND	20.0000	4.0000	**
Nickel, total	ug/L	MW-18	09/07/2018		9.2000		
Nickel, total	ug/L	MW-18	04/02/2019		7.2000		
Nickel, total	ug/L	MW-18	09/18/2019		10.7000		
Nickel, total	ug/L	MW-18	03/25/2020		6.6000		
Nickel, total	ug/L	MW-18	09/15/2020		29.7000		
Nickel, total	ug/L	MW-18	03/08/2021		12.4000		
Nickel, total	ug/L	MW-18	09/28/2021		8.5000		
Nickel, total	ug/L	MW-18	03/08/2022		7.2000		
Nickel, total	ug/L	MW-18	08/30/2022		16.9000		
Nickel, total	ug/L	MW-18	03/07/2023		19.8000		
Nickel, total	ug/L	MW-18	09/11/2023		19.5000		
Nickel, total	ug/L	MW-18	03/20/2024		21.6000		
Nickel, total	ug/L	MW-18	09/12/2024		10.6000		
Nickel, total	ug/L	MW-18	03/03/2025		16.3000		
Selenium, total	ug/L	MW-18	10/16/2014	ND	4.0000		
Selenium, total	ug/L	MW-18	04/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-18	10/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-18	04/04/2016	ND	4.0000		
Selenium, total	ug/L	MW-18	09/20/2016	ND	4.0000		
Selenium, total	ug/L	MW-18	04/24/2017	ND	4.0000		
Selenium, total	ug/L	MW-18	10/09/2017	ND	4.0000		
Selenium, total	ug/L	MW-18	03/21/2018	ND	4.0000		
Selenium, total	ug/L	MW-18	09/07/2018	ND	4.0000		
Selenium, total	ug/L	MW-18	04/02/2019	ND	4.0000		
Selenium, total	ug/L	MW-18	09/18/2019	ND	4.0000		
Selenium, total	ug/L	MW-18	03/25/2020	ND	4.0000		
Selenium, total	ug/L	MW-18	09/15/2020	ND	4.0000		
Selenium, total	ug/L	MW-18	03/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-18	09/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-18	03/08/2022	ND	4.0000		
Selenium, total	ug/L	MW-18	08/30/2022	ND	4.0000		
Selenium, total	ug/L	MW-18	03/07/2023	ND	4.0000		
Selenium, total	ug/L	MW-18	09/11/2023	ND	4.0000		
Selenium, total	ug/L	MW-18	03/20/2024	ND	4.0000		
Selenium, total	ug/L	MW-18	09/12/2024	ND	4.0000		
Selenium, total	ug/L	MW-18	03/03/2025	ND	4.0000		
Silver, total	ug/L	MW-18	10/16/2014	ND	4.0000		
Silver, total	ug/L	MW-18	04/04/2015	ND	4.0000		
Silver, total	ug/L	MW-18	10/01/2015	ND	4.0000		
Silver, total	ug/L	MW-18	04/04/2016	ND	4.0000		
Silver, total	ug/L	MW-18	09/20/2016	ND	4.0000		
Silver, total	ug/L	MW-18	04/24/2017	ND	4.0000		
Silver, total	ug/L	MW-18	10/09/2017	ND	4.0000		
Silver, total	ug/L	MW-18	03/21/2018	ND	4.0000		
Silver, total	ug/L	MW-18	09/07/2018	ND	4.0000		
Silver, total	ug/L	MW-18	04/02/2019	ND	4.0000		
Silver, total	ug/L	MW-18	09/18/2019	ND	4.0000		
Silver, total	ug/L	MW-18	03/25/2020	ND	4.0000		
Silver, total	ug/L	MW-18	09/15/2020	ND	4.0000		
Silver, total	ug/L	MW-18	03/08/2021	ND	4.0000		
Silver, total	ug/L	MW-18	09/28/2021	ND	4.0000		
Silver, total	ug/L	MW-18	03/08/2022	ND	4.0000		
Silver, total	ug/L	MW-18	08/30/2022	ND	4.0000		
Silver, total	ug/L	MW-18	03/07/2023	ND	4.0000		
Silver, total	ug/L	MW-18	09/11/2023	ND	4.0000		
Silver, total	ug/L	MW-18	03/20/2024	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	
Silver, total	ug/L	MW-18	09/12/2024	ND	4.0000		
Silver, total	ug/L	MW-18	03/03/2025	ND	4.0000		
Thallium, total	ug/L	MW-18	10/16/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-18	04/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-18	10/01/2015	ND	1.0000	2.0000	**
Thallium, total	ug/L	MW-18	04/04/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-18	09/20/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-18	04/24/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-18	10/09/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-18	03/21/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-18	09/07/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-18	04/02/2019	ND	2.0000		
Thallium, total	ug/L	MW-18	09/18/2019	ND	2.0000		
Thallium, total	ug/L	MW-18	03/25/2020	ND	2.0000		
Thallium, total	ug/L	MW-18	09/15/2020	ND	2.0000		
Thallium, total	ug/L	MW-18	03/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-18	09/28/2021	ND	2.0000		
Thallium, total	ug/L	MW-18	03/08/2022	ND	2.0000		
Thallium, total	ug/L	MW-18	08/30/2022	ND	2.0000		
Thallium, total	ug/L	MW-18	03/07/2023	ND	2.0000		
Thallium, total	ug/L	MW-18	09/11/2023	ND	2.0000		
Thallium, total	ug/L	MW-18	03/20/2024	ND	2.0000		
Thallium, total	ug/L	MW-18	09/12/2024	ND	2.0000		
Thallium, total	ug/L	MW-18	03/03/2025	ND	2.0000		
Vanadium, total	ug/L	MW-18	10/16/2014	ND	20.0000		
Vanadium, total	ug/L	MW-18	04/04/2015		31.6000		
Vanadium, total	ug/L	MW-18	10/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-18	04/04/2016	ND	20.0000		
Vanadium, total	ug/L	MW-18	09/20/2016	ND	20.0000		
Vanadium, total	ug/L	MW-18	04/24/2017	ND	20.0000		
Vanadium, total	ug/L	MW-18	10/09/2017	ND	20.0000		
Vanadium, total	ug/L	MW-18	03/21/2018	ND	20.0000		
Vanadium, total	ug/L	MW-18	09/07/2018	ND	20.0000		
Vanadium, total	ug/L	MW-18	04/02/2019	ND	20.0000		
Vanadium, total	ug/L	MW-18	09/18/2019	ND	20.0000		
Vanadium, total	ug/L	MW-18	03/25/2020	ND	20.0000		
Vanadium, total	ug/L	MW-18	09/15/2020	ND	20.0000		
Vanadium, total	ug/L	MW-18	03/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-18	09/28/2021	ND	20.0000		
Vanadium, total	ug/L	MW-18	03/08/2022	ND	20.0000		
Vanadium, total	ug/L	MW-18	08/30/2022	ND	20.0000		
Vanadium, total	ug/L	MW-18	03/07/2023	ND	20.0000		
Vanadium, total	ug/L	MW-18	09/11/2023	ND	20.0000		
Vanadium, total	ug/L	MW-18	03/20/2024	ND	20.0000		
Vanadium, total	ug/L	MW-18	09/12/2024	ND	20.0000		
Vanadium, total	ug/L	MW-18	03/03/2025	ND	20.0000		
Zinc, total	ug/L	MW-18	10/16/2014		107.0000		
Zinc, total	ug/L	MW-18	04/04/2015		267.0000		
Zinc, total	ug/L	MW-18	10/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-18	04/04/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-18	09/20/2016		56.2000		
Zinc, total	ug/L	MW-18	04/24/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-18	10/09/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-18	03/21/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-18	09/07/2018		42.5000		
Zinc, total	ug/L	MW-18	04/02/2019		29.3000		
Zinc, total	ug/L	MW-18	09/18/2019		42.8000		
Zinc, total	ug/L	MW-18	03/25/2020	ND	20.0000		
Zinc, total	ug/L	MW-18	09/15/2020	ND	20.0000		
Zinc, total	ug/L	MW-18	03/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-18	09/28/2021	ND	20.0000		
Zinc, total	ug/L	MW-18	03/08/2022	ND	20.0000		
Zinc, total	ug/L	MW-18	08/30/2022	ND	20.0000		
Zinc, total	ug/L	MW-18	03/07/2023	ND	20.0000		
Zinc, total	ug/L	MW-18	09/11/2023	ND	20.0000		
Zinc, total	ug/L	MW-18	03/20/2024	ND	20.0000		
Zinc, total	ug/L	MW-18	09/12/2024	ND	20.0000		
Zinc, total	ug/L	MW-18	03/03/2025	ND	20.0000		
Antimony, total	ug/L	MW-19A	10/16/2014	ND	2.0000		
Antimony, total	ug/L	MW-19A	04/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-19A	10/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-19A	04/04/2016	ND	2.0000		
Antimony, total	ug/L	MW-19A	09/20/2016	ND	2.0000		
Antimony, total	ug/L	MW-19A	04/24/2017	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-19A	10/09/2017	ND	2.0000		
Antimony, total	ug/L	MW-19A	03/21/2018	ND	2.0000		
Antimony, total	ug/L	MW-19A	09/07/2018	ND	2.0000		
Antimony, total	ug/L	MW-19A	04/02/2019	ND	2.0000		
Antimony, total	ug/L	MW-19A	09/18/2019	ND	2.0000		
Antimony, total	ug/L	MW-19A	03/25/2020	ND	2.0000		
Antimony, total	ug/L	MW-19A	09/15/2020	ND	2.0000		
Antimony, total	ug/L	MW-19A	03/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-19A	09/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-19A	03/08/2022	ND	2.0000		
Antimony, total	ug/L	MW-19A	08/30/2022	ND	2.0000		
Antimony, total	ug/L	MW-19A	03/07/2023	ND	2.0000		
Antimony, total	ug/L	MW-19A	09/11/2023	ND	2.0000		
Antimony, total	ug/L	MW-19A	03/20/2024	ND	2.0000		
Antimony, total	ug/L	MW-19A	09/12/2024	ND	2.0000		
Antimony, total	ug/L	MW-19A	03/03/2025	ND	2.0000		
Arsenic, total	ug/L	MW-19A	10/16/2014	ND	4.0000		
Arsenic, total	ug/L	MW-19A	04/04/2015	ND	4.0000		
Arsenic, total	ug/L	MW-19A	10/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-19A	04/04/2016	ND	4.0000		
Arsenic, total	ug/L	MW-19A	09/20/2016	ND	4.0000		
Arsenic, total	ug/L	MW-19A	04/24/2017	ND	4.0000		
Arsenic, total	ug/L	MW-19A	10/09/2017	ND	4.0000		
Arsenic, total	ug/L	MW-19A	03/21/2018	ND	4.0000		
Arsenic, total	ug/L	MW-19A	09/07/2018	ND	4.0000		
Arsenic, total	ug/L	MW-19A	04/02/2019	ND	4.0000		
Arsenic, total	ug/L	MW-19A	09/18/2019	ND	4.0000		
Arsenic, total	ug/L	MW-19A	03/25/2020	ND	4.0000		
Arsenic, total	ug/L	MW-19A	09/15/2020	ND	4.0000		
Arsenic, total	ug/L	MW-19A	03/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-19A	09/28/2021	ND	4.0000		
Arsenic, total	ug/L	MW-19A	03/08/2022	ND	4.0000		
Arsenic, total	ug/L	MW-19A	08/30/2022	ND	4.0000		
Arsenic, total	ug/L	MW-19A	03/07/2023	ND	4.0000		
Arsenic, total	ug/L	MW-19A	09/11/2023	ND	4.0000		
Arsenic, total	ug/L	MW-19A	03/20/2024		4.0000		
Arsenic, total	ug/L	MW-19A	09/12/2024	ND	4.0000		
Arsenic, total	ug/L	MW-19A	03/03/2025	ND	4.0000		
Barium, total	ug/L	MW-19A	10/16/2014		48.9000		
Barium, total	ug/L	MW-19A	04/04/2015		55.5000		
Barium, total	ug/L	MW-19A	10/01/2015		30.0000		
Barium, total	ug/L	MW-19A	04/04/2016		30.4000		
Barium, total	ug/L	MW-19A	09/20/2016		29.5000		
Barium, total	ug/L	MW-19A	04/24/2017		42.1000		
Barium, total	ug/L	MW-19A	10/09/2017		35.1000		
Barium, total	ug/L	MW-19A	03/21/2018		46.9000		
Barium, total	ug/L	MW-19A	09/07/2018		38.7000		
Barium, total	ug/L	MW-19A	04/02/2019		37.9000		
Barium, total	ug/L	MW-19A	09/18/2019		42.5000		
Barium, total	ug/L	MW-19A	03/25/2020		34.2000		
Barium, total	ug/L	MW-19A	09/15/2020		35.8000		
Barium, total	ug/L	MW-19A	03/08/2021		35.2000		
Barium, total	ug/L	MW-19A	09/28/2021		36.1000		
Barium, total	ug/L	MW-19A	03/08/2022		40.1000		
Barium, total	ug/L	MW-19A	08/30/2022		38.3000		
Barium, total	ug/L	MW-19A	03/07/2023		32.5000		
Barium, total	ug/L	MW-19A	09/11/2023		32.1000		
Barium, total	ug/L	MW-19A	03/20/2024		622.0000		*
Barium, total	ug/L	MW-19A	09/12/2024		38.2000		
Barium, total	ug/L	MW-19A	03/03/2025		35.9000		
Beryllium, total	ug/L	MW-19A	10/16/2014	ND	4.0000		
Beryllium, total	ug/L	MW-19A	04/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-19A	10/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-19A	04/04/2016	ND	4.0000		
Beryllium, total	ug/L	MW-19A	09/20/2016	ND	4.0000		
Beryllium, total	ug/L	MW-19A	04/24/2017	ND	4.0000		
Beryllium, total	ug/L	MW-19A	10/09/2017	ND	4.0000		
Beryllium, total	ug/L	MW-19A	03/21/2018	ND	4.0000		
Beryllium, total	ug/L	MW-19A	09/07/2018	ND	4.0000		
Beryllium, total	ug/L	MW-19A	04/02/2019	ND	4.0000		
Beryllium, total	ug/L	MW-19A	09/18/2019	ND	4.0000		
Beryllium, total	ug/L	MW-19A	03/25/2020	ND	4.0000		
Beryllium, total	ug/L	MW-19A	09/15/2020	ND	4.0000		
Beryllium, total	ug/L	MW-19A	03/08/2021	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-19A	09/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-19A	03/08/2022	ND	4.0000		
Beryllium, total	ug/L	MW-19A	08/30/2022	ND	4.0000		
Beryllium, total	ug/L	MW-19A	03/07/2023	ND	4.0000		
Beryllium, total	ug/L	MW-19A	09/11/2023	ND	4.0000		
Beryllium, total	ug/L	MW-19A	03/20/2024	ND	4.0000		
Beryllium, total	ug/L	MW-19A	09/12/2024	ND	4.0000		
Beryllium, total	ug/L	MW-19A	03/03/2025	ND	4.0000		
Cadmium, total	ug/L	MW-19A	10/16/2014	ND	0.8000		
Cadmium, total	ug/L	MW-19A	04/04/2015	ND	0.8000		
Cadmium, total	ug/L	MW-19A	10/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-19A	04/04/2016		0.8000		
Cadmium, total	ug/L	MW-19A	09/20/2016	ND	0.8000		
Cadmium, total	ug/L	MW-19A	04/24/2017	ND	0.8000		
Cadmium, total	ug/L	MW-19A	10/09/2017	ND	0.8000		
Cadmium, total	ug/L	MW-19A	03/21/2018	ND	0.8000		
Cadmium, total	ug/L	MW-19A	09/07/2018	ND	0.8000		
Cadmium, total	ug/L	MW-19A	04/02/2019	ND	0.8000		
Cadmium, total	ug/L	MW-19A	09/18/2019	ND	0.8000		
Cadmium, total	ug/L	MW-19A	03/25/2020	ND	0.8000		
Cadmium, total	ug/L	MW-19A	09/15/2020	ND	0.8000		
Cadmium, total	ug/L	MW-19A	03/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-19A	09/28/2021	ND	0.8000		
Cadmium, total	ug/L	MW-19A	03/08/2022	ND	0.8000		
Cadmium, total	ug/L	MW-19A	08/30/2022	ND	0.8000		
Cadmium, total	ug/L	MW-19A	03/07/2023	ND	0.8000		
Cadmium, total	ug/L	MW-19A	09/11/2023		9.0000		*
Cadmium, total	ug/L	MW-19A	03/20/2024	ND	0.8000		
Cadmium, total	ug/L	MW-19A	09/12/2024		1.0000		
Cadmium, total	ug/L	MW-19A	03/03/2025	ND	0.8000		
Chromium, total	ug/L	MW-19A	10/16/2014	ND	8.0000		
Chromium, total	ug/L	MW-19A	04/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-19A	10/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-19A	04/04/2016	ND	8.0000		
Chromium, total	ug/L	MW-19A	09/20/2016	ND	8.0000		
Chromium, total	ug/L	MW-19A	04/24/2017	ND	8.0000		
Chromium, total	ug/L	MW-19A	10/09/2017	ND	8.0000		
Chromium, total	ug/L	MW-19A	03/21/2018	ND	8.0000		
Chromium, total	ug/L	MW-19A	09/07/2018	ND	8.0000		
Chromium, total	ug/L	MW-19A	04/02/2019	ND	8.0000		
Chromium, total	ug/L	MW-19A	09/18/2019	ND	8.0000		
Chromium, total	ug/L	MW-19A	03/25/2020	ND	8.0000		
Chromium, total	ug/L	MW-19A	09/15/2020	ND	8.0000		
Chromium, total	ug/L	MW-19A	03/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-19A	09/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-19A	03/08/2022	ND	8.0000		
Chromium, total	ug/L	MW-19A	08/30/2022	ND	8.0000		
Chromium, total	ug/L	MW-19A	03/07/2023	ND	8.0000		
Chromium, total	ug/L	MW-19A	09/11/2023	ND	8.0000		
Chromium, total	ug/L	MW-19A	03/20/2024	ND	8.0000		
Chromium, total	ug/L	MW-19A	09/12/2024	ND	8.0000		
Chromium, total	ug/L	MW-19A	03/03/2025	ND	8.0000		
Cobalt, total	ug/L	MW-19A	10/16/2014	ND	0.8000		
Cobalt, total	ug/L	MW-19A	04/04/2015	ND	0.8000		
Cobalt, total	ug/L	MW-19A	10/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-19A	04/04/2016	ND	0.8000		
Cobalt, total	ug/L	MW-19A	09/20/2016	ND	0.8000		
Cobalt, total	ug/L	MW-19A	04/24/2017	ND	0.8000		
Cobalt, total	ug/L	MW-19A	10/09/2017	ND	0.8000		
Cobalt, total	ug/L	MW-19A	03/21/2018	ND	2.0000	0.8000	**
Cobalt, total	ug/L	MW-19A	09/07/2018	ND	0.8000		
Cobalt, total	ug/L	MW-19A	04/02/2019	ND	0.8000		
Cobalt, total	ug/L	MW-19A	09/18/2019		0.8000		
Cobalt, total	ug/L	MW-19A	03/25/2020		0.8000		
Cobalt, total	ug/L	MW-19A	09/15/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-19A	03/08/2021		0.4000		
Cobalt, total	ug/L	MW-19A	09/28/2021		0.4000		
Cobalt, total	ug/L	MW-19A	03/08/2022		0.6000		
Cobalt, total	ug/L	MW-19A	08/30/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-19A	03/07/2023		0.4000		
Cobalt, total	ug/L	MW-19A	09/11/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-19A	03/20/2024		6.9000		*
Cobalt, total	ug/L	MW-19A	09/12/2024		0.4000		
Cobalt, total	ug/L	MW-19A	03/03/2025		0.5000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-19A	10/16/2014	ND	4.0000		
Copper, total	ug/L	MW-19A	04/04/2015	ND	4.0000		
Copper, total	ug/L	MW-19A	10/01/2015	ND	4.0000		
Copper, total	ug/L	MW-19A	04/04/2016	ND	4.0000		
Copper, total	ug/L	MW-19A	09/20/2016	ND	4.0000		
Copper, total	ug/L	MW-19A	04/24/2017	ND	4.0000		
Copper, total	ug/L	MW-19A	10/09/2017	ND	4.0000		
Copper, total	ug/L	MW-19A	03/21/2018	ND	4.0000		
Copper, total	ug/L	MW-19A	09/07/2018	ND	4.0000		
Copper, total	ug/L	MW-19A	04/02/2019	ND	4.0000		
Copper, total	ug/L	MW-19A	09/18/2019	ND	4.0000		
Copper, total	ug/L	MW-19A	03/25/2020	ND	4.0000		
Copper, total	ug/L	MW-19A	09/15/2020	ND	4.0000		
Copper, total	ug/L	MW-19A	03/08/2021	ND	4.0000		
Copper, total	ug/L	MW-19A	09/28/2021	ND	4.0000		
Copper, total	ug/L	MW-19A	03/08/2022	ND	4.0000		
Copper, total	ug/L	MW-19A	08/30/2022	ND	4.0000		
Copper, total	ug/L	MW-19A	03/07/2023	ND	4.0000		
Copper, total	ug/L	MW-19A	09/11/2023	ND	4.0000		
Copper, total	ug/L	MW-19A	03/20/2024	ND	4.0000		
Copper, total	ug/L	MW-19A	09/12/2024	ND	4.0000		
Copper, total	ug/L	MW-19A	03/03/2025	ND	4.0000		
Lead, total	ug/L	MW-19A	10/16/2014	ND	4.0000		
Lead, total	ug/L	MW-19A	04/04/2015	ND	4.0000		
Lead, total	ug/L	MW-19A	10/01/2015	ND	4.0000		
Lead, total	ug/L	MW-19A	04/04/2016	ND	4.0000		
Lead, total	ug/L	MW-19A	09/20/2016	ND	4.0000		
Lead, total	ug/L	MW-19A	04/24/2017	ND	4.0000		
Lead, total	ug/L	MW-19A	10/09/2017	ND	4.0000		
Lead, total	ug/L	MW-19A	03/21/2018	ND	4.0000		
Lead, total	ug/L	MW-19A	09/07/2018	ND	4.0000		
Lead, total	ug/L	MW-19A	04/02/2019	ND	4.0000		
Lead, total	ug/L	MW-19A	09/18/2019	ND	4.0000		
Lead, total	ug/L	MW-19A	03/25/2020	ND	4.0000		
Lead, total	ug/L	MW-19A	09/15/2020	ND	4.0000		
Lead, total	ug/L	MW-19A	03/08/2021	ND	4.0000		
Lead, total	ug/L	MW-19A	09/28/2021	ND	4.0000		
Lead, total	ug/L	MW-19A	03/08/2022	ND	4.0000		
Lead, total	ug/L	MW-19A	08/30/2022	ND	4.0000		
Lead, total	ug/L	MW-19A	03/07/2023	ND	4.0000		
Lead, total	ug/L	MW-19A	09/11/2023	ND	4.0000		
Lead, total	ug/L	MW-19A	03/20/2024	ND	4.0000		
Lead, total	ug/L	MW-19A	09/12/2024	ND	4.0000		
Lead, total	ug/L	MW-19A	03/03/2025	ND	4.0000		
Nickel, total	ug/L	MW-19A	10/16/2014		4.6000		
Nickel, total	ug/L	MW-19A	04/04/2015		6.9000		
Nickel, total	ug/L	MW-19A	10/01/2015		5.2000		
Nickel, total	ug/L	MW-19A	04/04/2016		4.3000		
Nickel, total	ug/L	MW-19A	09/20/2016	ND	4.0000		
Nickel, total	ug/L	MW-19A	04/24/2017	ND	4.0000		
Nickel, total	ug/L	MW-19A	10/09/2017		5.2000		
Nickel, total	ug/L	MW-19A	03/21/2018	ND	20.0000	4.0000	**
Nickel, total	ug/L	MW-19A	09/07/2018		6.4000		
Nickel, total	ug/L	MW-19A	04/02/2019		7.7000		
Nickel, total	ug/L	MW-19A	09/18/2019		11.8000		
Nickel, total	ug/L	MW-19A	03/25/2020		10.5000		
Nickel, total	ug/L	MW-19A	09/15/2020		11.5000		
Nickel, total	ug/L	MW-19A	12/02/2020		10.5000		
Nickel, total	ug/L	MW-19A	03/08/2021		9.5000		
Nickel, total	ug/L	MW-19A	09/28/2021		8.0000		
Nickel, total	ug/L	MW-19A	03/08/2022		8.0000		
Nickel, total	ug/L	MW-19A	08/30/2022		10.4000		
Nickel, total	ug/L	MW-19A	03/07/2023		11.4000		
Nickel, total	ug/L	MW-19A	09/11/2023		9.6000		
Nickel, total	ug/L	MW-19A	03/20/2024		6.6000		
Nickel, total	ug/L	MW-19A	09/12/2024		9.0000		
Nickel, total	ug/L	MW-19A	03/03/2025		8.7000		
Selenium, total	ug/L	MW-19A	10/16/2014	ND	4.0000		
Selenium, total	ug/L	MW-19A	04/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-19A	10/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-19A	04/04/2016	ND	4.0000		
Selenium, total	ug/L	MW-19A	09/20/2016	ND	4.0000		
Selenium, total	ug/L	MW-19A	04/24/2017	ND	4.0000		
Selenium, total	ug/L	MW-19A	10/09/2017	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	
Selenium, total	ug/L	MW-19A	03/21/2018	ND	4.0000		
Selenium, total	ug/L	MW-19A	09/07/2018	ND	4.0000		
Selenium, total	ug/L	MW-19A	04/02/2019	ND	4.0000		
Selenium, total	ug/L	MW-19A	09/18/2019	ND	4.0000		
Selenium, total	ug/L	MW-19A	03/25/2020	ND	4.0000		
Selenium, total	ug/L	MW-19A	09/15/2020	ND	4.0000		
Selenium, total	ug/L	MW-19A	03/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-19A	09/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-19A	03/08/2022	ND	4.0000		
Selenium, total	ug/L	MW-19A	08/30/2022	ND	4.0000		
Selenium, total	ug/L	MW-19A	03/07/2023	ND	4.0000		
Selenium, total	ug/L	MW-19A	09/11/2023	ND	4.0000		
Selenium, total	ug/L	MW-19A	03/20/2024	ND	4.0000		
Selenium, total	ug/L	MW-19A	09/12/2024	ND	4.0000		
Selenium, total	ug/L	MW-19A	03/03/2025	ND	4.0000		
Silver, total	ug/L	MW-19A	10/16/2014	ND	4.0000		
Silver, total	ug/L	MW-19A	04/04/2015	ND	4.0000		
Silver, total	ug/L	MW-19A	10/01/2015	ND	4.0000		
Silver, total	ug/L	MW-19A	04/04/2016	ND	4.0000		
Silver, total	ug/L	MW-19A	09/20/2016	ND	4.0000		
Silver, total	ug/L	MW-19A	04/24/2017	ND	4.0000		
Silver, total	ug/L	MW-19A	10/09/2017	ND	4.0000		
Silver, total	ug/L	MW-19A	03/21/2018	ND	4.0000		
Silver, total	ug/L	MW-19A	09/07/2018	ND	4.0000		
Silver, total	ug/L	MW-19A	04/02/2019	ND	4.0000		
Silver, total	ug/L	MW-19A	09/18/2019	ND	4.0000		
Silver, total	ug/L	MW-19A	03/25/2020	ND	4.0000		
Silver, total	ug/L	MW-19A	09/15/2020	ND	4.0000		
Silver, total	ug/L	MW-19A	03/08/2021	ND	4.0000		
Silver, total	ug/L	MW-19A	09/28/2021	ND	4.0000		
Silver, total	ug/L	MW-19A	03/08/2022	ND	4.0000		
Silver, total	ug/L	MW-19A	08/30/2022	ND	4.0000		
Silver, total	ug/L	MW-19A	03/07/2023	ND	4.0000		
Silver, total	ug/L	MW-19A	09/11/2023	ND	4.0000		
Silver, total	ug/L	MW-19A	03/20/2024	ND	4.0000		
Silver, total	ug/L	MW-19A	09/12/2024	ND	4.0000		
Silver, total	ug/L	MW-19A	03/03/2025	ND	4.0000		
Thallium, total	ug/L	MW-19A	10/16/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-19A	04/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-19A	10/01/2015	ND	1.0000	2.0000	**
Thallium, total	ug/L	MW-19A	04/04/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-19A	09/20/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-19A	04/24/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-19A	10/09/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-19A	03/21/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-19A	09/07/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-19A	04/02/2019	ND	2.0000		
Thallium, total	ug/L	MW-19A	09/18/2019	ND	2.0000		
Thallium, total	ug/L	MW-19A	03/25/2020	ND	2.0000		
Thallium, total	ug/L	MW-19A	09/15/2020	ND	2.0000		
Thallium, total	ug/L	MW-19A	03/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-19A	09/28/2021	ND	2.0000		
Thallium, total	ug/L	MW-19A	03/08/2022	ND	2.0000		
Thallium, total	ug/L	MW-19A	08/30/2022	ND	2.0000		
Thallium, total	ug/L	MW-19A	03/07/2023	ND	2.0000		
Thallium, total	ug/L	MW-19A	09/11/2023	ND	2.0000		
Thallium, total	ug/L	MW-19A	03/20/2024	ND	2.0000		
Thallium, total	ug/L	MW-19A	09/12/2024	ND	2.0000		
Thallium, total	ug/L	MW-19A	03/03/2025	ND	2.0000		
Vanadium, total	ug/L	MW-19A	10/16/2014	ND	20.0000		
Vanadium, total	ug/L	MW-19A	04/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-19A	10/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-19A	04/04/2016	ND	20.0000		
Vanadium, total	ug/L	MW-19A	09/20/2016	ND	20.0000		
Vanadium, total	ug/L	MW-19A	04/24/2017	ND	20.0000		
Vanadium, total	ug/L	MW-19A	10/09/2017	ND	20.0000		
Vanadium, total	ug/L	MW-19A	03/21/2018	ND	20.0000		
Vanadium, total	ug/L	MW-19A	09/07/2018	ND	20.0000		
Vanadium, total	ug/L	MW-19A	04/02/2019	ND	20.0000		
Vanadium, total	ug/L	MW-19A	09/18/2019	ND	20.0000		
Vanadium, total	ug/L	MW-19A	03/25/2020	ND	20.0000		
Vanadium, total	ug/L	MW-19A	09/15/2020	ND	20.0000		
Vanadium, total	ug/L	MW-19A	03/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-19A	09/28/2021	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Vanadium, total	ug/L	MW-19A	03/08/2022	ND	20.0000		
Vanadium, total	ug/L	MW-19A	08/30/2022	ND	20.0000		
Vanadium, total	ug/L	MW-19A	03/07/2023	ND	20.0000		
Vanadium, total	ug/L	MW-19A	09/11/2023	ND	20.0000		
Vanadium, total	ug/L	MW-19A	03/20/2024	ND	20.0000		
Vanadium, total	ug/L	MW-19A	09/12/2024	ND	20.0000		
Vanadium, total	ug/L	MW-19A	03/03/2025	ND	20.0000		
Zinc, total	ug/L	MW-19A	10/16/2014	ND	20.0000	20.0000	**
Zinc, total	ug/L	MW-19A	04/04/2015	ND	8.0000		
Zinc, total	ug/L	MW-19A	10/01/2015		11.2000		
Zinc, total	ug/L	MW-19A	04/04/2016		15.2000		
Zinc, total	ug/L	MW-19A	09/20/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-19A	04/24/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-19A	10/09/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-19A	03/21/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-19A	09/07/2018		40.8000		
Zinc, total	ug/L	MW-19A	04/02/2019		35.8000		
Zinc, total	ug/L	MW-19A	09/18/2019		29.9000		
Zinc, total	ug/L	MW-19A	03/25/2020	ND	20.0000		
Zinc, total	ug/L	MW-19A	09/15/2020	ND	20.0000		
Zinc, total	ug/L	MW-19A	03/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-19A	09/28/2021	ND	20.0000		
Zinc, total	ug/L	MW-19A	03/08/2022	ND	20.0000		
Zinc, total	ug/L	MW-19A	08/30/2022	ND	20.0000		
Zinc, total	ug/L	MW-19A	03/07/2023	ND	20.0000		
Zinc, total	ug/L	MW-19A	09/11/2023	ND	20.0000		
Zinc, total	ug/L	MW-19A	03/20/2024	ND	20.0000		
Zinc, total	ug/L	MW-19A	09/12/2024	ND	20.0000		
Zinc, total	ug/L	MW-19A	03/03/2025	ND	20.0000		
Antimony, total	ug/L	MW-2	04/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-2	10/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-2	04/04/2016	ND	2.0000		
Antimony, total	ug/L	MW-2	04/24/2017	ND	2.0000		
Antimony, total	ug/L	MW-2	04/02/2019	ND	2.0000		
Antimony, total	ug/L	MW-2	03/25/2020	ND	2.0000		
Arsenic, total	ug/L	MW-2	04/04/2015	ND	4.0000		
Arsenic, total	ug/L	MW-2	10/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-2	04/04/2016	ND	4.0000		
Arsenic, total	ug/L	MW-2	04/24/2017	ND	4.0000		
Arsenic, total	ug/L	MW-2	04/02/2019	ND	4.0000		
Arsenic, total	ug/L	MW-2	03/25/2020	ND	4.0000		
Barium, total	ug/L	MW-2	04/04/2015		418.0000		
Barium, total	ug/L	MW-2	10/01/2015		491.0000		
Barium, total	ug/L	MW-2	04/04/2016		424.0000		
Barium, total	ug/L	MW-2	04/24/2017		125.0000		
Barium, total	ug/L	MW-2	04/02/2019		290.0000		
Barium, total	ug/L	MW-2	03/25/2020		137.0000		
Beryllium, total	ug/L	MW-2	04/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-2	10/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-2	04/04/2016	ND	4.0000		
Beryllium, total	ug/L	MW-2	04/24/2017	ND	4.0000		
Beryllium, total	ug/L	MW-2	04/02/2019	ND	4.0000		
Beryllium, total	ug/L	MW-2	03/25/2020	ND	4.0000		
Cadmium, total	ug/L	MW-2	04/04/2015	ND	0.8000		
Cadmium, total	ug/L	MW-2	10/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-2	04/04/2016	ND	0.8000		
Cadmium, total	ug/L	MW-2	04/24/2017	ND	0.8000		
Cadmium, total	ug/L	MW-2	04/02/2019	ND	0.8000		
Cadmium, total	ug/L	MW-2	03/25/2020	ND	0.8000		
Chromium, total	ug/L	MW-2	04/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-2	10/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-2	04/04/2016	ND	8.0000		
Chromium, total	ug/L	MW-2	04/24/2017	ND	8.0000		
Chromium, total	ug/L	MW-2	04/02/2019	ND	8.0000		
Chromium, total	ug/L	MW-2	03/25/2020	ND	8.0000		
Cobalt, total	ug/L	MW-2	04/04/2015		7.4000		
Cobalt, total	ug/L	MW-2	10/01/2015		6.4000		
Cobalt, total	ug/L	MW-2	04/04/2016		8.2000		
Cobalt, total	ug/L	MW-2	04/24/2017	ND	0.8000		
Cobalt, total	ug/L	MW-2	04/02/2019	ND	0.8000		
Cobalt, total	ug/L	MW-2	03/25/2020	ND	0.8000		
Copper, total	ug/L	MW-2	04/04/2015	ND	4.0000		
Copper, total	ug/L	MW-2	10/01/2015	ND	4.0000		
Copper, total	ug/L	MW-2	04/04/2016	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	
Copper, total	ug/L	MW-2	04/24/2017	ND	4.0000		
Copper, total	ug/L	MW-2	04/02/2019	ND	4.0000		
Copper, total	ug/L	MW-2	03/25/2020		117.0000		*
Lead, total	ug/L	MW-2	04/04/2015	ND	4.0000		
Lead, total	ug/L	MW-2	10/01/2015	ND	4.0000		
Lead, total	ug/L	MW-2	04/04/2016	ND	4.0000		
Lead, total	ug/L	MW-2	04/24/2017	ND	4.0000		
Lead, total	ug/L	MW-2	04/02/2019		13.6000		*
Lead, total	ug/L	MW-2	03/25/2020	ND	4.0000		
Nickel, total	ug/L	MW-2	04/04/2015		21.1000		
Nickel, total	ug/L	MW-2	10/01/2015		7.8000		
Nickel, total	ug/L	MW-2	04/04/2016		16.6000		
Nickel, total	ug/L	MW-2	04/24/2017	ND	4.0000		
Nickel, total	ug/L	MW-2	04/02/2019		8.8000		
Nickel, total	ug/L	MW-2	03/25/2020	ND	4.0000		
Selenium, total	ug/L	MW-2	04/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-2	10/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-2	04/04/2016	ND	4.0000		
Selenium, total	ug/L	MW-2	04/24/2017	ND	4.0000		
Selenium, total	ug/L	MW-2	04/02/2019	ND	4.0000		
Selenium, total	ug/L	MW-2	03/25/2020	ND	4.0000		
Silver, total	ug/L	MW-2	04/04/2015	ND	4.0000		
Silver, total	ug/L	MW-2	10/01/2015	ND	4.0000		
Silver, total	ug/L	MW-2	04/04/2016	ND	4.0000		
Silver, total	ug/L	MW-2	04/24/2017	ND	4.0000		
Silver, total	ug/L	MW-2	04/02/2019	ND	4.0000		
Silver, total	ug/L	MW-2	03/25/2020	ND	4.0000		
Thallium, total	ug/L	MW-2	04/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-2	10/01/2015	ND	1.0000	2.0000	**
Thallium, total	ug/L	MW-2	04/04/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-2	04/24/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-2	04/02/2019	ND	2.0000		
Thallium, total	ug/L	MW-2	03/25/2020	ND	2.0000		
Vanadium, total	ug/L	MW-2	04/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-2	10/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-2	04/04/2016	ND	20.0000		
Vanadium, total	ug/L	MW-2	04/24/2017	ND	20.0000		
Vanadium, total	ug/L	MW-2	04/02/2019	ND	20.0000		
Vanadium, total	ug/L	MW-2	03/25/2020	ND	20.0000		
Zinc, total	ug/L	MW-2	04/04/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-2	10/01/2015		9.1000		
Zinc, total	ug/L	MW-2	04/04/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-2	04/24/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-2	04/02/2019	ND	20.0000		
Zinc, total	ug/L	MW-2	03/25/2020	ND	20.0000		
Antimony, total	ug/L	MW-24	10/16/2014	ND	2.0000		
Antimony, total	ug/L	MW-24	04/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-24	10/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-24	04/04/2016	ND	2.0000		
Antimony, total	ug/L	MW-24	09/20/2016	ND	2.0000		
Antimony, total	ug/L	MW-24	04/24/2017	ND	2.0000		
Antimony, total	ug/L	MW-24	10/09/2017	ND	2.0000		
Antimony, total	ug/L	MW-24	03/21/2018	ND	2.0000		
Antimony, total	ug/L	MW-24	09/07/2018	ND	2.0000		
Antimony, total	ug/L	MW-24	04/02/2019	ND	2.0000		
Antimony, total	ug/L	MW-24	09/18/2019	ND	2.0000		
Antimony, total	ug/L	MW-24	03/25/2020	ND	2.0000		
Antimony, total	ug/L	MW-24	09/15/2020	ND	2.0000		
Antimony, total	ug/L	MW-24	03/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-24	09/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-24	03/08/2022	ND	2.0000		
Antimony, total	ug/L	MW-24	08/30/2022	ND	2.0000		
Antimony, total	ug/L	MW-24	03/07/2023	ND	2.0000		
Antimony, total	ug/L	MW-24	09/11/2023	ND	2.0000		
Antimony, total	ug/L	MW-24	03/20/2024	ND	2.0000		
Antimony, total	ug/L	MW-24	09/12/2024	ND	2.0000		
Antimony, total	ug/L	MW-24	03/03/2025	ND	2.0000		
Arsenic, total	ug/L	MW-24	10/16/2014		65.9000		
Arsenic, total	ug/L	MW-24	04/04/2015		25.0000		
Arsenic, total	ug/L	MW-24	10/01/2015		47.2000		
Arsenic, total	ug/L	MW-24	04/04/2016		88.5000		
Arsenic, total	ug/L	MW-24	09/20/2016		51.1000		
Arsenic, total	ug/L	MW-24	04/24/2017		139.0000		
Arsenic, total	ug/L	MW-24	10/09/2017		72.0000		

* - 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-24	03/21/2018		155.0000		*
Arsenic, total	ug/L	MW-24	09/07/2018		129.0000		
Arsenic, total	ug/L	MW-24	04/02/2019		210.0000		
Arsenic, total	ug/L	MW-24	09/18/2019		117.0000		
Arsenic, total	ug/L	MW-24	03/25/2020		167.0000		
Arsenic, total	ug/L	MW-24	09/15/2020		61.6000		
Arsenic, total	ug/L	MW-24	03/08/2021		133.0000		
Arsenic, total	ug/L	MW-24	09/28/2021		142.0000		
Arsenic, total	ug/L	MW-24	03/08/2022		115.0000		
Arsenic, total	ug/L	MW-24	08/30/2022		101.0000		
Arsenic, total	ug/L	MW-24	03/07/2023		12.9000		
Arsenic, total	ug/L	MW-24	09/11/2023		57.9000		
Arsenic, total	ug/L	MW-24	03/20/2024		13.3000		
Arsenic, total	ug/L	MW-24	09/12/2024		13.6000		
Arsenic, total	ug/L	MW-24	03/03/2025		22.7000		
Barium, total	ug/L	MW-24	10/16/2014		1150.0000		
Barium, total	ug/L	MW-24	04/04/2015		671.0000		
Barium, total	ug/L	MW-24	10/01/2015		772.0000		
Barium, total	ug/L	MW-24	04/04/2016		975.0000		
Barium, total	ug/L	MW-24	09/20/2016		641.0000		
Barium, total	ug/L	MW-24	04/24/2017		1260.0000		
Barium, total	ug/L	MW-24	10/09/2017		713.0000		
Barium, total	ug/L	MW-24	03/21/2018		1140.0000		
Barium, total	ug/L	MW-24	09/07/2018		968.0000		
Barium, total	ug/L	MW-24	04/02/2019		1500.0000		
Barium, total	ug/L	MW-24	09/18/2019		1100.0000		
Barium, total	ug/L	MW-24	03/25/2020		1080.0000		
Barium, total	ug/L	MW-24	09/15/2020		638.0000		
Barium, total	ug/L	MW-24	03/08/2021		901.0000		
Barium, total	ug/L	MW-24	09/28/2021		824.0000		
Barium, total	ug/L	MW-24	03/08/2022		801.0000		
Barium, total	ug/L	MW-24	08/30/2022		579.0000		
Barium, total	ug/L	MW-24	03/07/2023		385.0000		
Barium, total	ug/L	MW-24	09/11/2023		508.0000		
Barium, total	ug/L	MW-24	03/20/2024		459.0000		
Barium, total	ug/L	MW-24	09/12/2024		509.0000		
Barium, total	ug/L	MW-24	03/03/2025		585.0000		
Beryllium, total	ug/L	MW-24	10/16/2014	ND	4.0000		
Beryllium, total	ug/L	MW-24	04/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-24	10/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-24	04/04/2016	ND	4.0000		
Beryllium, total	ug/L	MW-24	09/20/2016	ND	4.0000		
Beryllium, total	ug/L	MW-24	04/24/2017	ND	4.0000		
Beryllium, total	ug/L	MW-24	10/09/2017	ND	4.0000		
Beryllium, total	ug/L	MW-24	03/21/2018	ND	4.0000		
Beryllium, total	ug/L	MW-24	09/07/2018	ND	4.0000		
Beryllium, total	ug/L	MW-24	04/02/2019	ND	4.0000		
Beryllium, total	ug/L	MW-24	09/18/2019	ND	4.0000		
Beryllium, total	ug/L	MW-24	03/25/2020	ND	4.0000		
Beryllium, total	ug/L	MW-24	09/15/2020	ND	4.0000		
Beryllium, total	ug/L	MW-24	03/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-24	09/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-24	03/08/2022	ND	4.0000		
Beryllium, total	ug/L	MW-24	08/30/2022	ND	4.0000		
Beryllium, total	ug/L	MW-24	03/07/2023	ND	4.0000		
Beryllium, total	ug/L	MW-24	09/11/2023	ND	4.0000		
Beryllium, total	ug/L	MW-24	03/20/2024	ND	4.0000		
Beryllium, total	ug/L	MW-24	09/12/2024	ND	4.0000		
Beryllium, total	ug/L	MW-24	03/03/2025	ND	4.0000		
Cadmium, total	ug/L	MW-24	10/16/2014		1.6000		
Cadmium, total	ug/L	MW-24	04/04/2015	ND	0.8000		
Cadmium, total	ug/L	MW-24	10/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-24	04/04/2016		0.8000		
Cadmium, total	ug/L	MW-24	09/20/2016	ND	0.8000		
Cadmium, total	ug/L	MW-24	04/24/2017	ND	0.8000		
Cadmium, total	ug/L	MW-24	10/09/2017	ND	0.8000		
Cadmium, total	ug/L	MW-24	03/21/2018	ND	0.8000		
Cadmium, total	ug/L	MW-24	09/07/2018	ND	0.8000		
Cadmium, total	ug/L	MW-24	04/02/2019		1.8000		
Cadmium, total	ug/L	MW-24	09/18/2019		1.0000		
Cadmium, total	ug/L	MW-24	03/25/2020	ND	0.8000		
Cadmium, total	ug/L	MW-24	09/15/2020	ND	0.8000		
Cadmium, total	ug/L	MW-24	03/08/2021		2.4000		
Cadmium, total	ug/L	MW-24	09/28/2021	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-24	03/08/2022		0.8000		
Cadmium, total	ug/L	MW-24	08/30/2022	ND	0.8000		
Cadmium, total	ug/L	MW-24	03/07/2023	ND	0.8000		
Cadmium, total	ug/L	MW-24	09/11/2023	ND	0.8000		
Cadmium, total	ug/L	MW-24	03/20/2024	ND	0.8000		
Cadmium, total	ug/L	MW-24	09/12/2024		0.9000		
Cadmium, total	ug/L	MW-24	03/03/2025	ND	0.8000		
Chromium, total	ug/L	MW-24	10/16/2014		37.5000		*
Chromium, total	ug/L	MW-24	04/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-24	10/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-24	04/04/2016	ND	8.0000		
Chromium, total	ug/L	MW-24	09/20/2016	ND	8.0000		
Chromium, total	ug/L	MW-24	04/24/2017	ND	8.0000		
Chromium, total	ug/L	MW-24	10/09/2017	ND	8.0000		
Chromium, total	ug/L	MW-24	03/21/2018	ND	8.0000		
Chromium, total	ug/L	MW-24	09/07/2018	ND	8.0000		
Chromium, total	ug/L	MW-24	04/02/2019	ND	8.0000		
Chromium, total	ug/L	MW-24	09/18/2019	ND	8.0000		
Chromium, total	ug/L	MW-24	03/25/2020	ND	8.0000		
Chromium, total	ug/L	MW-24	09/15/2020	ND	8.0000		
Chromium, total	ug/L	MW-24	03/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-24	09/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-24	03/08/2022	ND	8.0000		
Chromium, total	ug/L	MW-24	08/30/2022	ND	8.0000		
Chromium, total	ug/L	MW-24	03/07/2023	ND	8.0000		
Chromium, total	ug/L	MW-24	09/11/2023	ND	8.0000		
Chromium, total	ug/L	MW-24	03/20/2024	ND	8.0000		
Chromium, total	ug/L	MW-24	09/12/2024	ND	8.0000		
Chromium, total	ug/L	MW-24	03/03/2025	ND	8.0000		
Cobalt, total	ug/L	MW-24	10/16/2014		37.2000		*
Cobalt, total	ug/L	MW-24	04/04/2015		14.0000		
Cobalt, total	ug/L	MW-24	10/01/2015		2.0000		
Cobalt, total	ug/L	MW-24	04/04/2016		3.7000		
Cobalt, total	ug/L	MW-24	09/20/2016		5.6000		
Cobalt, total	ug/L	MW-24	04/24/2017		2.2000		
Cobalt, total	ug/L	MW-24	10/09/2017		1.2000		
Cobalt, total	ug/L	MW-24	03/21/2018	ND	2.0000	0.8000	**
Cobalt, total	ug/L	MW-24	09/07/2018		0.9000		
Cobalt, total	ug/L	MW-24	04/02/2019		2.0000		
Cobalt, total	ug/L	MW-24	09/18/2019		1.6000		
Cobalt, total	ug/L	MW-24	03/25/2020		2.1000		
Cobalt, total	ug/L	MW-24	09/15/2020		0.8000		
Cobalt, total	ug/L	MW-24	03/08/2021		1.1000		
Cobalt, total	ug/L	MW-24	09/28/2021		1.0000		
Cobalt, total	ug/L	MW-24	03/08/2022		1.7000		
Cobalt, total	ug/L	MW-24	08/30/2022		0.6000		
Cobalt, total	ug/L	MW-24	03/07/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-24	09/11/2023		1.2000		
Cobalt, total	ug/L	MW-24	03/20/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-24	09/12/2024		0.6000		
Cobalt, total	ug/L	MW-24	03/03/2025		0.4000		
Copper, total	ug/L	MW-24	10/16/2014		67.1000		*
Copper, total	ug/L	MW-24	04/04/2015		10.0000		
Copper, total	ug/L	MW-24	10/01/2015	ND	4.0000		
Copper, total	ug/L	MW-24	04/04/2016	ND	4.0000		
Copper, total	ug/L	MW-24	09/20/2016	ND	4.0000		
Copper, total	ug/L	MW-24	04/24/2017	ND	4.0000		
Copper, total	ug/L	MW-24	10/09/2017	ND	4.0000		
Copper, total	ug/L	MW-24	03/21/2018	ND	4.0000		
Copper, total	ug/L	MW-24	09/07/2018	ND	4.0000		
Copper, total	ug/L	MW-24	04/02/2019	ND	4.0000		
Copper, total	ug/L	MW-24	09/18/2019	ND	4.0000		
Copper, total	ug/L	MW-24	03/25/2020	ND	4.0000		
Copper, total	ug/L	MW-24	09/15/2020	ND	4.0000		
Copper, total	ug/L	MW-24	03/08/2021	ND	4.0000		
Copper, total	ug/L	MW-24	09/28/2021	ND	4.0000		
Copper, total	ug/L	MW-24	03/08/2022	ND	4.0000		
Copper, total	ug/L	MW-24	08/30/2022	ND	4.0000		
Copper, total	ug/L	MW-24	03/07/2023	ND	4.0000		
Copper, total	ug/L	MW-24	09/11/2023	ND	4.0000		
Copper, total	ug/L	MW-24	03/20/2024	ND	4.0000		
Copper, total	ug/L	MW-24	09/12/2024	ND	4.0000		
Copper, total	ug/L	MW-24	03/03/2025		4.9000		
Lead, total	ug/L	MW-24	10/16/2014		27.0000		*

* - 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-24	04/04/2015	ND	4.0000		
Lead, total	ug/L	MW-24	10/01/2015	ND	4.0000		
Lead, total	ug/L	MW-24	04/04/2016	ND	4.0000		
Lead, total	ug/L	MW-24	09/20/2016	ND	4.0000		
Lead, total	ug/L	MW-24	04/24/2017	ND	4.0000		
Lead, total	ug/L	MW-24	10/09/2017	ND	4.0000		
Lead, total	ug/L	MW-24	03/21/2018	ND	4.0000		
Lead, total	ug/L	MW-24	09/07/2018	ND	4.0000		
Lead, total	ug/L	MW-24	04/02/2019		6.8000		
Lead, total	ug/L	MW-24	09/18/2019	ND	4.0000		
Lead, total	ug/L	MW-24	03/25/2020	ND	4.0000		
Lead, total	ug/L	MW-24	09/15/2020	ND	4.0000		
Lead, total	ug/L	MW-24	03/08/2021	ND	4.0000		
Lead, total	ug/L	MW-24	09/28/2021	ND	4.0000		
Lead, total	ug/L	MW-24	03/08/2022	ND	4.0000		
Lead, total	ug/L	MW-24	08/30/2022	ND	4.0000		
Lead, total	ug/L	MW-24	03/07/2023	ND	4.0000		
Lead, total	ug/L	MW-24	09/11/2023	ND	4.0000		
Lead, total	ug/L	MW-24	03/20/2024	ND	4.0000		
Lead, total	ug/L	MW-24	09/12/2024	ND	4.0000		
Lead, total	ug/L	MW-24	03/03/2025	ND	4.0000		
Nickel, total	ug/L	MW-24	10/16/2014		81.2000		*
Nickel, total	ug/L	MW-24	04/04/2015		25.1000		*
Nickel, total	ug/L	MW-24	10/01/2015	ND	4.0000		
Nickel, total	ug/L	MW-24	04/04/2016		4.0000		
Nickel, total	ug/L	MW-24	09/20/2016	ND	4.0000		
Nickel, total	ug/L	MW-24	04/24/2017		4.3000		
Nickel, total	ug/L	MW-24	10/09/2017	ND	4.0000		
Nickel, total	ug/L	MW-24	03/21/2018	ND	20.0000		*
Nickel, total	ug/L	MW-24	09/07/2018	ND	4.0000		
Nickel, total	ug/L	MW-24	04/02/2019	ND	4.0000		
Nickel, total	ug/L	MW-24	09/18/2019	ND	4.0000		
Nickel, total	ug/L	MW-24	03/25/2020	ND	4.0000		
Nickel, total	ug/L	MW-24	09/15/2020	ND	4.0000		
Nickel, total	ug/L	MW-24	03/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-24	09/28/2021	ND	4.0000		
Nickel, total	ug/L	MW-24	03/08/2022	ND	4.0000		
Nickel, total	ug/L	MW-24	08/30/2022	ND	4.0000		
Nickel, total	ug/L	MW-24	03/07/2023	ND	4.0000		
Nickel, total	ug/L	MW-24	09/11/2023	ND	4.0000		
Nickel, total	ug/L	MW-24	03/20/2024	ND	4.0000		
Nickel, total	ug/L	MW-24	09/12/2024	ND	4.0000		
Nickel, total	ug/L	MW-24	03/03/2025	ND	4.0000		
Selenium, total	ug/L	MW-24	10/16/2014		16.4000		*
Selenium, total	ug/L	MW-24	04/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-24	10/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-24	04/04/2016	ND	4.0000		
Selenium, total	ug/L	MW-24	09/20/2016	ND	4.0000		
Selenium, total	ug/L	MW-24	04/24/2017	ND	4.0000		
Selenium, total	ug/L	MW-24	10/09/2017	ND	4.0000		
Selenium, total	ug/L	MW-24	03/21/2018	ND	4.0000		
Selenium, total	ug/L	MW-24	09/07/2018	ND	4.0000		
Selenium, total	ug/L	MW-24	04/02/2019	ND	4.0000		
Selenium, total	ug/L	MW-24	09/18/2019	ND	4.0000		
Selenium, total	ug/L	MW-24	03/25/2020	ND	4.0000		
Selenium, total	ug/L	MW-24	09/15/2020	ND	4.0000		
Selenium, total	ug/L	MW-24	03/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-24	09/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-24	03/08/2022	ND	4.0000		
Selenium, total	ug/L	MW-24	08/30/2022	ND	4.0000		
Selenium, total	ug/L	MW-24	03/07/2023	ND	4.0000		
Selenium, total	ug/L	MW-24	09/11/2023	ND	4.0000		
Selenium, total	ug/L	MW-24	03/20/2024	ND	4.0000		
Selenium, total	ug/L	MW-24	09/12/2024	ND	4.0000		
Selenium, total	ug/L	MW-24	03/03/2025	ND	4.0000		
Silver, total	ug/L	MW-24	10/16/2014	ND	4.0000		
Silver, total	ug/L	MW-24	04/04/2015	ND	4.0000		
Silver, total	ug/L	MW-24	10/01/2015	ND	4.0000		
Silver, total	ug/L	MW-24	04/04/2016	ND	4.0000		
Silver, total	ug/L	MW-24	09/20/2016	ND	4.0000		
Silver, total	ug/L	MW-24	04/24/2017	ND	4.0000		
Silver, total	ug/L	MW-24	10/09/2017	ND	4.0000		
Silver, total	ug/L	MW-24	03/21/2018	ND	4.0000		
Silver, total	ug/L	MW-24	09/07/2018	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-24	04/02/2019	ND	4.0000		
Silver, total	ug/L	MW-24	09/18/2019	ND	4.0000		
Silver, total	ug/L	MW-24	03/25/2020	ND	4.0000		
Silver, total	ug/L	MW-24	09/15/2020	ND	4.0000		
Silver, total	ug/L	MW-24	03/08/2021	ND	4.0000		
Silver, total	ug/L	MW-24	09/28/2021	ND	4.0000		
Silver, total	ug/L	MW-24	03/08/2022	ND	4.0000		
Silver, total	ug/L	MW-24	08/30/2022	ND	4.0000		
Silver, total	ug/L	MW-24	03/07/2023	ND	4.0000		
Silver, total	ug/L	MW-24	09/11/2023	ND	4.0000		
Silver, total	ug/L	MW-24	03/20/2024	ND	4.0000		
Silver, total	ug/L	MW-24	09/12/2024	ND	4.0000		
Silver, total	ug/L	MW-24	03/03/2025	ND	4.0000		
Thallium, total	ug/L	MW-24	10/16/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-24	04/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-24	10/01/2015	ND	1.0000	2.0000	**
Thallium, total	ug/L	MW-24	04/04/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-24	09/20/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-24	04/24/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-24	10/09/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-24	03/21/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-24	09/07/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-24	04/02/2019	ND	2.0000		
Thallium, total	ug/L	MW-24	09/18/2019	ND	2.0000		
Thallium, total	ug/L	MW-24	03/25/2020	ND	2.0000		
Thallium, total	ug/L	MW-24	09/15/2020	ND	2.0000		
Thallium, total	ug/L	MW-24	03/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-24	09/28/2021	ND	2.0000		
Thallium, total	ug/L	MW-24	03/08/2022	ND	2.0000		
Thallium, total	ug/L	MW-24	08/30/2022	ND	2.0000		
Thallium, total	ug/L	MW-24	03/07/2023	ND	2.0000		
Thallium, total	ug/L	MW-24	09/11/2023	ND	2.0000		
Thallium, total	ug/L	MW-24	03/20/2024	ND	2.0000		
Thallium, total	ug/L	MW-24	09/12/2024	ND	2.0000		
Thallium, total	ug/L	MW-24	03/03/2025	ND	2.0000		
Vanadium, total	ug/L	MW-24	10/16/2014		72.3000		*
Vanadium, total	ug/L	MW-24	04/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-24	10/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-24	04/04/2016	ND	20.0000		
Vanadium, total	ug/L	MW-24	09/20/2016	ND	20.0000		
Vanadium, total	ug/L	MW-24	04/24/2017	ND	20.0000		
Vanadium, total	ug/L	MW-24	10/09/2017	ND	20.0000		
Vanadium, total	ug/L	MW-24	03/21/2018	ND	20.0000		
Vanadium, total	ug/L	MW-24	09/07/2018	ND	20.0000		
Vanadium, total	ug/L	MW-24	04/02/2019	ND	20.0000		
Vanadium, total	ug/L	MW-24	09/18/2019	ND	20.0000		
Vanadium, total	ug/L	MW-24	03/25/2020	ND	20.0000		
Vanadium, total	ug/L	MW-24	09/15/2020	ND	20.0000		
Vanadium, total	ug/L	MW-24	03/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-24	09/28/2021	ND	20.0000		
Vanadium, total	ug/L	MW-24	03/08/2022	ND	20.0000		
Vanadium, total	ug/L	MW-24	08/30/2022	ND	20.0000		
Vanadium, total	ug/L	MW-24	03/07/2023	ND	20.0000		
Vanadium, total	ug/L	MW-24	09/11/2023	ND	20.0000		
Vanadium, total	ug/L	MW-24	03/20/2024	ND	20.0000		
Vanadium, total	ug/L	MW-24	09/12/2024	ND	20.0000		
Vanadium, total	ug/L	MW-24	03/03/2025	ND	20.0000		
Zinc, total	ug/L	MW-24	10/16/2014		117.0000		
Zinc, total	ug/L	MW-24	04/04/2015		16.2000		
Zinc, total	ug/L	MW-24	10/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-24	04/04/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-24	09/20/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-24	04/24/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-24	10/09/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-24	03/21/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-24	09/07/2018		106.0000		
Zinc, total	ug/L	MW-24	04/02/2019		39.2000		
Zinc, total	ug/L	MW-24	09/18/2019		56.9000		
Zinc, total	ug/L	MW-24	03/25/2020	ND	20.0000		
Zinc, total	ug/L	MW-24	09/15/2020	ND	20.0000		
Zinc, total	ug/L	MW-24	03/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-24	09/28/2021	ND	20.0000		
Zinc, total	ug/L	MW-24	03/08/2022	ND	20.0000		
Zinc, total	ug/L	MW-24	08/30/2022	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Zinc, total	ug/L	MW-24	03/07/2023	ND	20.0000		
Zinc, total	ug/L	MW-24	09/11/2023	ND	20.0000		
Zinc, total	ug/L	MW-24	03/20/2024	ND	20.0000		
Zinc, total	ug/L	MW-24	09/12/2024	ND	20.0000		
Zinc, total	ug/L	MW-24	03/03/2025	ND	20.0000		
Antimony, total	ug/L	MW-9	10/16/2014	ND	2.0000		
Antimony, total	ug/L	MW-9	04/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-9	10/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-9	04/04/2016	ND	2.0000		
Antimony, total	ug/L	MW-9	09/20/2016	ND	2.0000		
Antimony, total	ug/L	MW-9	04/24/2017	ND	2.0000		
Antimony, total	ug/L	MW-9	10/09/2017	ND	2.0000		
Antimony, total	ug/L	MW-9	03/21/2018	ND	2.0000		
Antimony, total	ug/L	MW-9	09/07/2018	ND	2.0000		
Antimony, total	ug/L	MW-9	04/02/2019	ND	2.0000		
Antimony, total	ug/L	MW-9	09/18/2019	ND	2.0000		
Antimony, total	ug/L	MW-9	03/25/2020	ND	2.0000		
Antimony, total	ug/L	MW-9	09/15/2020	ND	2.0000		
Antimony, total	ug/L	MW-9	03/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-9	09/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-9	03/08/2022	ND	2.0000		
Antimony, total	ug/L	MW-9	08/30/2022	ND	2.0000		
Antimony, total	ug/L	MW-9	03/07/2023	ND	2.0000		
Antimony, total	ug/L	MW-9	09/11/2023	ND	2.0000		
Antimony, total	ug/L	MW-9	03/20/2024	ND	2.0000		
Antimony, total	ug/L	MW-9	09/12/2024	ND	2.0000		
Antimony, total	ug/L	MW-9	03/03/2025	ND	2.0000		
Arsenic, total	ug/L	MW-9	10/16/2014		6.1000		
Arsenic, total	ug/L	MW-9	04/04/2015		8.4000		
Arsenic, total	ug/L	MW-9	10/01/2015		8.9000		
Arsenic, total	ug/L	MW-9	04/04/2016		5.9000		
Arsenic, total	ug/L	MW-9	09/20/2016	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/24/2017	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/09/2017	ND	4.0000		
Arsenic, total	ug/L	MW-9	03/21/2018	ND	4.0000		
Arsenic, total	ug/L	MW-9	09/07/2018		12.2000		
Arsenic, total	ug/L	MW-9	04/02/2019	ND	4.0000		
Arsenic, total	ug/L	MW-9	09/18/2019		19.4000		
Arsenic, total	ug/L	MW-9	03/25/2020	ND	4.0000		
Arsenic, total	ug/L	MW-9	09/15/2020	ND	4.0000		
Arsenic, total	ug/L	MW-9	03/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-9	09/28/2021	ND	4.0000		
Arsenic, total	ug/L	MW-9	03/08/2022	ND	4.0000		
Arsenic, total	ug/L	MW-9	08/30/2022	ND	4.0000		
Arsenic, total	ug/L	MW-9	03/07/2023	ND	4.0000		
Arsenic, total	ug/L	MW-9	09/11/2023		7.2000		
Arsenic, total	ug/L	MW-9	03/20/2024		7.0000		
Arsenic, total	ug/L	MW-9	09/12/2024		4.3000		
Arsenic, total	ug/L	MW-9	03/03/2025	ND	4.0000		
Barium, total	ug/L	MW-9	10/16/2014		271.0000		
Barium, total	ug/L	MW-9	04/04/2015		291.0000		
Barium, total	ug/L	MW-9	10/01/2015		291.0000		
Barium, total	ug/L	MW-9	04/04/2016		259.0000		
Barium, total	ug/L	MW-9	09/20/2016		267.0000		
Barium, total	ug/L	MW-9	04/24/2017		264.0000		
Barium, total	ug/L	MW-9	10/09/2017		253.0000		
Barium, total	ug/L	MW-9	03/21/2018		266.0000		
Barium, total	ug/L	MW-9	09/07/2018		290.0000		
Barium, total	ug/L	MW-9	04/02/2019		270.0000		
Barium, total	ug/L	MW-9	09/18/2019		332.0000		
Barium, total	ug/L	MW-9	03/25/2020		272.0000		
Barium, total	ug/L	MW-9	09/15/2020		285.0000		
Barium, total	ug/L	MW-9	03/08/2021		292.0000		
Barium, total	ug/L	MW-9	09/28/2021		259.0000		
Barium, total	ug/L	MW-9	03/08/2022		291.0000		
Barium, total	ug/L	MW-9	08/30/2022		241.0000		
Barium, total	ug/L	MW-9	03/07/2023		269.0000		
Barium, total	ug/L	MW-9	09/11/2023		288.0000		
Barium, total	ug/L	MW-9	03/20/2024		295.0000		
Barium, total	ug/L	MW-9	09/12/2024		305.0000		
Barium, total	ug/L	MW-9	03/03/2025		282.0000		
Beryllium, total	ug/L	MW-9	10/16/2014	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/01/2015	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	
Beryllium, total	ug/L	MW-9	04/04/2016	ND	4.0000		
Beryllium, total	ug/L	MW-9	09/20/2016	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/24/2017	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/09/2017	ND	4.0000		
Beryllium, total	ug/L	MW-9	03/21/2018	ND	4.0000		
Beryllium, total	ug/L	MW-9	09/07/2018	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/02/2019	ND	4.0000		
Beryllium, total	ug/L	MW-9	09/18/2019	ND	4.0000		
Beryllium, total	ug/L	MW-9	03/25/2020	ND	4.0000		
Beryllium, total	ug/L	MW-9	09/15/2020	ND	4.0000		
Beryllium, total	ug/L	MW-9	03/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-9	09/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-9	03/08/2022	ND	4.0000		
Beryllium, total	ug/L	MW-9	08/30/2022	ND	4.0000		
Beryllium, total	ug/L	MW-9	03/07/2023	ND	4.0000		
Beryllium, total	ug/L	MW-9	09/11/2023	ND	4.0000		
Beryllium, total	ug/L	MW-9	03/20/2024	ND	4.0000		
Beryllium, total	ug/L	MW-9	09/12/2024	ND	4.0000		
Beryllium, total	ug/L	MW-9	03/03/2025	ND	4.0000		
Cadmium, total	ug/L	MW-9	10/16/2014	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/04/2015	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/04/2016		1.5000		
Cadmium, total	ug/L	MW-9	09/20/2016	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/24/2017	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/09/2017	ND	0.8000		
Cadmium, total	ug/L	MW-9	03/21/2018	ND	0.8000		
Cadmium, total	ug/L	MW-9	09/07/2018	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/02/2019	ND	0.8000		
Cadmium, total	ug/L	MW-9	09/18/2019	ND	0.8000		
Cadmium, total	ug/L	MW-9	03/25/2020	ND	0.8000		
Cadmium, total	ug/L	MW-9	09/15/2020	ND	0.8000		
Cadmium, total	ug/L	MW-9	03/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-9	09/28/2021	ND	0.8000		
Cadmium, total	ug/L	MW-9	03/08/2022	ND	0.8000		
Cadmium, total	ug/L	MW-9	08/30/2022	ND	0.8000		
Cadmium, total	ug/L	MW-9	03/07/2023	ND	0.8000		
Cadmium, total	ug/L	MW-9	09/11/2023	ND	0.8000		
Cadmium, total	ug/L	MW-9	03/20/2024	ND	0.8000		
Cadmium, total	ug/L	MW-9	09/12/2024	ND	0.8000		
Cadmium, total	ug/L	MW-9	03/03/2025	ND	0.8000		
Chromium, total	ug/L	MW-9	10/16/2014	ND	8.0000		
Chromium, total	ug/L	MW-9	04/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-9	10/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-9	04/04/2016	ND	8.0000		
Chromium, total	ug/L	MW-9	09/20/2016	ND	8.0000		
Chromium, total	ug/L	MW-9	04/24/2017	ND	8.0000		
Chromium, total	ug/L	MW-9	10/09/2017	ND	8.0000		
Chromium, total	ug/L	MW-9	03/21/2018	ND	8.0000		
Chromium, total	ug/L	MW-9	09/07/2018	ND	8.0000		
Chromium, total	ug/L	MW-9	04/02/2019	ND	8.0000		
Chromium, total	ug/L	MW-9	09/18/2019	ND	8.0000		
Chromium, total	ug/L	MW-9	03/25/2020	ND	8.0000		
Chromium, total	ug/L	MW-9	09/15/2020	ND	8.0000		
Chromium, total	ug/L	MW-9	03/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-9	09/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-9	03/08/2022	ND	8.0000		
Chromium, total	ug/L	MW-9	08/30/2022	ND	8.0000		
Chromium, total	ug/L	MW-9	03/07/2023	ND	8.0000		
Chromium, total	ug/L	MW-9	09/11/2023	ND	8.0000		
Chromium, total	ug/L	MW-9	03/20/2024	ND	8.0000		
Chromium, total	ug/L	MW-9	09/12/2024	ND	8.0000		
Chromium, total	ug/L	MW-9	03/03/2025	ND	8.0000		
Cobalt, total	ug/L	MW-9	10/16/2014		5.8000		
Cobalt, total	ug/L	MW-9	04/04/2015		6.0000		
Cobalt, total	ug/L	MW-9	10/01/2015		4.6000		
Cobalt, total	ug/L	MW-9	04/04/2016		5.7000		
Cobalt, total	ug/L	MW-9	09/20/2016		6.4000		
Cobalt, total	ug/L	MW-9	04/24/2017		5.2000		
Cobalt, total	ug/L	MW-9	10/09/2017		4.9000		
Cobalt, total	ug/L	MW-9	03/21/2018		5.3000		
Cobalt, total	ug/L	MW-9	09/07/2018		5.4000		
Cobalt, total	ug/L	MW-9	04/02/2019		5.4000		
Cobalt, total	ug/L	MW-9	09/18/2019		5.7000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, total	ug/L	MW-9	03/25/2020		5.3000		
Cobalt, total	ug/L	MW-9	09/15/2020		5.8000		
Cobalt, total	ug/L	MW-9	03/08/2021		5.1000		
Cobalt, total	ug/L	MW-9	09/28/2021		4.8000		
Cobalt, total	ug/L	MW-9	03/08/2022		5.1000		
Cobalt, total	ug/L	MW-9	08/30/2022		5.0000		
Cobalt, total	ug/L	MW-9	03/07/2023		4.8000		
Cobalt, total	ug/L	MW-9	09/11/2023		5.3000		
Cobalt, total	ug/L	MW-9	03/20/2024		4.5000		
Cobalt, total	ug/L	MW-9	09/12/2024		4.5000		
Cobalt, total	ug/L	MW-9	03/03/2025		3.9000		
Copper, total	ug/L	MW-9	10/16/2014		4.3000		
Copper, total	ug/L	MW-9	04/04/2015		26.3000		*
Copper, total	ug/L	MW-9	10/01/2015	ND	4.0000		
Copper, total	ug/L	MW-9	04/04/2016		5.3000		
Copper, total	ug/L	MW-9	09/20/2016		8.4000		
Copper, total	ug/L	MW-9	04/24/2017	ND	4.0000		
Copper, total	ug/L	MW-9	10/09/2017	ND	4.0000		
Copper, total	ug/L	MW-9	03/21/2018		18.0000		*
Copper, total	ug/L	MW-9	06/11/2018	ND	4.0000		
Copper, total	ug/L	MW-9	09/07/2018	ND	4.0000		
Copper, total	ug/L	MW-9	04/02/2019	ND	4.0000		
Copper, total	ug/L	MW-9	09/18/2019		7.1000		
Copper, total	ug/L	MW-9	03/25/2020	ND	4.0000		
Copper, total	ug/L	MW-9	09/15/2020	ND	4.0000		
Copper, total	ug/L	MW-9	03/08/2021	ND	4.0000		
Copper, total	ug/L	MW-9	09/28/2021	ND	4.0000		
Copper, total	ug/L	MW-9	03/08/2022	ND	4.0000		
Copper, total	ug/L	MW-9	08/30/2022	ND	4.0000		
Copper, total	ug/L	MW-9	03/07/2023	ND	4.0000		
Copper, total	ug/L	MW-9	09/11/2023	ND	4.0000		
Copper, total	ug/L	MW-9	03/20/2024	ND	4.0000		
Copper, total	ug/L	MW-9	09/12/2024	ND	4.0000		
Copper, total	ug/L	MW-9	03/03/2025	ND	4.0000		
Lead, total	ug/L	MW-9	10/16/2014	ND	4.0000		
Lead, total	ug/L	MW-9	04/04/2015	ND	4.0000		
Lead, total	ug/L	MW-9	10/01/2015	ND	4.0000		
Lead, total	ug/L	MW-9	04/04/2016	ND	4.0000		
Lead, total	ug/L	MW-9	09/20/2016	ND	4.0000		
Lead, total	ug/L	MW-9	04/24/2017	ND	4.0000		
Lead, total	ug/L	MW-9	10/09/2017	ND	4.0000		
Lead, total	ug/L	MW-9	03/21/2018	ND	4.0000		
Lead, total	ug/L	MW-9	09/07/2018	ND	4.0000		
Lead, total	ug/L	MW-9	04/02/2019	ND	4.0000		
Lead, total	ug/L	MW-9	09/18/2019	ND	4.0000		
Lead, total	ug/L	MW-9	03/25/2020	ND	4.0000		
Lead, total	ug/L	MW-9	09/15/2020	ND	4.0000		
Lead, total	ug/L	MW-9	03/08/2021	ND	4.0000		
Lead, total	ug/L	MW-9	09/28/2021	ND	4.0000		
Lead, total	ug/L	MW-9	03/08/2022	ND	4.0000		
Lead, total	ug/L	MW-9	08/30/2022	ND	4.0000		
Lead, total	ug/L	MW-9	03/07/2023	ND	4.0000		
Lead, total	ug/L	MW-9	09/11/2023	ND	4.0000		
Lead, total	ug/L	MW-9	03/20/2024	ND	4.0000		
Lead, total	ug/L	MW-9	09/12/2024	ND	4.0000		
Lead, total	ug/L	MW-9	03/03/2025	ND	4.0000		
Nickel, total	ug/L	MW-9	10/16/2014		12.4000		
Nickel, total	ug/L	MW-9	04/04/2015		11.8000		
Nickel, total	ug/L	MW-9	10/01/2015		8.6000		
Nickel, total	ug/L	MW-9	04/04/2016		11.2000		
Nickel, total	ug/L	MW-9	09/20/2016		8.2000		
Nickel, total	ug/L	MW-9	04/24/2017		10.9000		
Nickel, total	ug/L	MW-9	10/09/2017		11.0000		
Nickel, total	ug/L	MW-9	03/21/2018		10.9000		
Nickel, total	ug/L	MW-9	09/07/2018		10.6000		
Nickel, total	ug/L	MW-9	04/02/2019		11.0000		
Nickel, total	ug/L	MW-9	09/18/2019		11.6000		
Nickel, total	ug/L	MW-9	03/25/2020		11.0000		
Nickel, total	ug/L	MW-9	09/15/2020		11.2000		
Nickel, total	ug/L	MW-9	03/08/2021		10.1000		
Nickel, total	ug/L	MW-9	09/28/2021		9.5000		
Nickel, total	ug/L	MW-9	03/08/2022		10.6000		
Nickel, total	ug/L	MW-9	08/30/2022		9.8000		
Nickel, total	ug/L	MW-9	03/07/2023		10.0000		

* - 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-9	09/11/2023		9.8000		
Nickel, total	ug/L	MW-9	03/20/2024		9.2000		
Nickel, total	ug/L	MW-9	09/12/2024		9.5000		
Nickel, total	ug/L	MW-9	03/03/2025		7.8000		
Selenium, total	ug/L	MW-9	10/16/2014	ND	4.0000		
Selenium, total	ug/L	MW-9	04/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-9	10/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-9	04/04/2016	ND	4.0000		
Selenium, total	ug/L	MW-9	09/20/2016	ND	4.0000		
Selenium, total	ug/L	MW-9	04/24/2017	ND	4.0000		
Selenium, total	ug/L	MW-9	10/09/2017	ND	4.0000		
Selenium, total	ug/L	MW-9	03/21/2018	ND	4.0000		
Selenium, total	ug/L	MW-9	09/07/2018	ND	4.0000		
Selenium, total	ug/L	MW-9	04/02/2019	ND	4.0000		
Selenium, total	ug/L	MW-9	09/18/2019	ND	4.0000		
Selenium, total	ug/L	MW-9	03/25/2020	ND	4.0000		
Selenium, total	ug/L	MW-9	09/15/2020	ND	4.0000		
Selenium, total	ug/L	MW-9	03/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-9	09/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-9	03/08/2022	ND	4.0000		
Selenium, total	ug/L	MW-9	08/30/2022	ND	4.0000		
Selenium, total	ug/L	MW-9	03/07/2023	ND	4.0000		
Selenium, total	ug/L	MW-9	09/11/2023	ND	4.0000		
Selenium, total	ug/L	MW-9	03/20/2024	ND	4.0000		
Selenium, total	ug/L	MW-9	09/12/2024	ND	4.0000		
Selenium, total	ug/L	MW-9	03/03/2025	ND	4.0000		
Silver, total	ug/L	MW-9	10/16/2014	ND	4.0000		
Silver, total	ug/L	MW-9	04/04/2015	ND	4.0000		
Silver, total	ug/L	MW-9	10/01/2015	ND	4.0000		
Silver, total	ug/L	MW-9	04/04/2016	ND	4.0000		
Silver, total	ug/L	MW-9	09/20/2016	ND	4.0000		
Silver, total	ug/L	MW-9	04/24/2017	ND	4.0000		
Silver, total	ug/L	MW-9	10/09/2017	ND	4.0000		
Silver, total	ug/L	MW-9	03/21/2018	ND	4.0000		
Silver, total	ug/L	MW-9	09/07/2018	ND	4.0000		
Silver, total	ug/L	MW-9	04/02/2019	ND	4.0000		
Silver, total	ug/L	MW-9	09/18/2019	ND	4.0000		
Silver, total	ug/L	MW-9	03/25/2020	ND	4.0000		
Silver, total	ug/L	MW-9	09/15/2020	ND	4.0000		
Silver, total	ug/L	MW-9	03/08/2021	ND	4.0000		
Silver, total	ug/L	MW-9	09/28/2021	ND	4.0000		
Silver, total	ug/L	MW-9	03/08/2022	ND	4.0000		
Silver, total	ug/L	MW-9	08/30/2022	ND	4.0000		
Silver, total	ug/L	MW-9	03/07/2023	ND	4.0000		
Silver, total	ug/L	MW-9	09/11/2023	ND	4.0000		
Silver, total	ug/L	MW-9	03/20/2024	ND	4.0000		
Silver, total	ug/L	MW-9	09/12/2024	ND	4.0000		
Silver, total	ug/L	MW-9	03/03/2025	ND	4.0000		
Thallium, total	ug/L	MW-9	10/16/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	10/01/2015	ND	1.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/04/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	09/20/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/24/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	10/09/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	03/21/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	09/07/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/02/2019	ND	2.0000		
Thallium, total	ug/L	MW-9	09/18/2019	ND	2.0000		
Thallium, total	ug/L	MW-9	03/25/2020	ND	2.0000		
Thallium, total	ug/L	MW-9	09/15/2020	ND	2.0000		
Thallium, total	ug/L	MW-9	03/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-9	09/28/2021	ND	2.0000		
Thallium, total	ug/L	MW-9	03/08/2022	ND	2.0000		
Thallium, total	ug/L	MW-9	08/30/2022	ND	2.0000		
Thallium, total	ug/L	MW-9	03/07/2023		2.0000		
Thallium, total	ug/L	MW-9	09/11/2023	ND	2.0000		
Thallium, total	ug/L	MW-9	03/20/2024	ND	2.0000		
Thallium, total	ug/L	MW-9	09/12/2024	ND	2.0000		
Thallium, total	ug/L	MW-9	03/03/2025	ND	2.0000		
Vanadium, total	ug/L	MW-9	10/16/2014	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/04/2016	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Vanadium, total	ug/L	MW-9	09/20/2016	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/24/2017	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/09/2017	ND	20.0000		
Vanadium, total	ug/L	MW-9	03/21/2018	ND	20.0000		
Vanadium, total	ug/L	MW-9	09/07/2018	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/02/2019	ND	20.0000		
Vanadium, total	ug/L	MW-9	09/18/2019	ND	20.0000		
Vanadium, total	ug/L	MW-9	03/25/2020	ND	20.0000		
Vanadium, total	ug/L	MW-9	09/15/2020	ND	20.0000		
Vanadium, total	ug/L	MW-9	03/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-9	09/28/2021	ND	20.0000		
Vanadium, total	ug/L	MW-9	03/08/2022	ND	20.0000		
Vanadium, total	ug/L	MW-9	08/30/2022	ND	20.0000		
Vanadium, total	ug/L	MW-9	03/07/2023	ND	20.0000		
Vanadium, total	ug/L	MW-9	09/11/2023	ND	20.0000		
Vanadium, total	ug/L	MW-9	03/20/2024	ND	20.0000		
Vanadium, total	ug/L	MW-9	09/12/2024	ND	20.0000		
Vanadium, total	ug/L	MW-9	03/03/2025	ND	20.0000		
Zinc, total	ug/L	MW-9	10/16/2014	ND	20.0000		
Zinc, total	ug/L	MW-9	04/04/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	10/01/2015		9.8000		
Zinc, total	ug/L	MW-9	04/04/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	09/20/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	04/24/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	10/09/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	03/21/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	09/07/2018		73.9000		*
Zinc, total	ug/L	MW-9	04/02/2019	ND	20.0000		
Zinc, total	ug/L	MW-9	09/18/2019		27.7000		
Zinc, total	ug/L	MW-9	03/25/2020	ND	20.0000		
Zinc, total	ug/L	MW-9	09/15/2020	ND	20.0000		
Zinc, total	ug/L	MW-9	03/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-9	09/28/2021	ND	20.0000		
Zinc, total	ug/L	MW-9	03/08/2022	ND	20.0000		
Zinc, total	ug/L	MW-9	08/30/2022	ND	20.0000		
Zinc, total	ug/L	MW-9	03/07/2023	ND	20.0000		
Zinc, total	ug/L	MW-9	09/11/2023	ND	20.0000		
Zinc, total	ug/L	MW-9	03/20/2024	ND	20.0000		
Zinc, total	ug/L	MW-9	09/12/2024	ND	20.0000		
Zinc, total	ug/L	MW-9	03/03/2025	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 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result	Pred. Limit
Antimony, total	ug/L	MW-12	03/03/2025	ND	2.0000	2.0000
Arsenic, total	ug/L	MW-12	03/03/2025	ND	4.0000	167.0000
Barium, total	ug/L	MW-12	03/03/2025		267.0000	1259.9639
Beryllium, total	ug/L	MW-12	03/03/2025	ND	4.0000	4.0000
Cadmium, total	ug/L	MW-12	03/03/2025	ND	0.8000	2.4000
Chromium, total	ug/L	MW-12	03/03/2025	ND	8.0000	11.6000
Cobalt, total	ug/L	MW-12	03/03/2025		3.3000	38.0415
Copper, total	ug/L	MW-12	03/03/2025	ND	4.0000	10.0000
Lead, total	ug/L	MW-12	03/03/2025	ND	4.0000	6.8000
Nickel, total	ug/L	MW-12	03/03/2025		6.4000	22.1457
Selenium, total	ug/L	MW-12	03/03/2025	ND	4.0000	7.5000
Silver, total	ug/L	MW-12	03/03/2025	ND	4.0000	4.0000
Thallium, total	ug/L	MW-12	03/03/2025	ND	2.0000	2.3000
Vanadium, total	ug/L	MW-12	03/03/2025	ND	20.0000	31.6000
Zinc, total	ug/L	MW-12	03/03/2025	ND	20.0000	267.0000
Antimony, total	ug/L	MW-15R	03/03/2025	ND	2.0000	2.0000
Arsenic, total	ug/L	MW-15R	03/03/2025		14.0000	167.0000
Barium, total	ug/L	MW-15R	03/03/2025		343.0000	1259.9639
Beryllium, total	ug/L	MW-15R	03/03/2025	ND	4.0000	4.0000
Cadmium, total	ug/L	MW-15R	03/03/2025	ND	0.8000	2.4000
Chromium, total	ug/L	MW-15R	03/03/2025	ND	8.0000	11.6000
Cobalt, total	ug/L	MW-15R	03/03/2025		2.6000	38.0415
Copper, total	ug/L	MW-15R	03/03/2025	ND	4.0000	10.0000
Lead, total	ug/L	MW-15R	03/03/2025	ND	4.0000	6.8000
Nickel, total	ug/L	MW-15R	03/03/2025	ND	4.0000	22.1457
Selenium, total	ug/L	MW-15R	03/03/2025	ND	4.0000	7.5000
Silver, total	ug/L	MW-15R	03/03/2025	ND	4.0000	4.0000
Thallium, total	ug/L	MW-15R	03/03/2025	ND	2.0000	2.3000
Vanadium, total	ug/L	MW-15R	03/03/2025	ND	20.0000	31.6000
Zinc, total	ug/L	MW-15R	03/03/2025	ND	20.0000	267.0000
Antimony, total	ug/L	MW-20R	03/03/2025	ND	2.0000	2.0000
Arsenic, total	ug/L	MW-20R	03/03/2025		47.1000	167.0000
Barium, total	ug/L	MW-20R	03/03/2025		601.0000	1259.9639
Beryllium, total	ug/L	MW-20R	03/03/2025	ND	4.0000	4.0000
Cadmium, total	ug/L	MW-20R	03/03/2025	ND	0.8000	2.4000
Chromium, total	ug/L	MW-20R	03/03/2025	ND	8.0000	11.6000
Cobalt, total	ug/L	MW-20R	03/03/2025		0.5000	38.0415
Copper, total	ug/L	MW-20R	03/03/2025	ND	4.0000	10.0000
Lead, total	ug/L	MW-20R	03/03/2025	ND	4.0000	6.8000
Nickel, total	ug/L	MW-20R	03/03/2025	ND	4.0000	22.1457
Selenium, total	ug/L	MW-20R	03/03/2025	ND	4.0000	7.5000
Silver, total	ug/L	MW-20R	03/03/2025	ND	4.0000	4.0000
Thallium, total	ug/L	MW-20R	03/03/2025	ND	2.0000	2.3000
Vanadium, total	ug/L	MW-20R	03/03/2025	ND	20.0000	31.6000
Zinc, total	ug/L	MW-20R	03/03/2025	ND	20.0000	267.0000
Antimony, total	ug/L	MW-21	03/03/2025	ND	2.0000	2.0000
Arsenic, total	ug/L	MW-21	03/03/2025		19.0000	167.0000
Barium, total	ug/L	MW-21	03/03/2025		850.0000	1259.9639
Beryllium, total	ug/L	MW-21	03/03/2025	ND	4.0000	4.0000
Cadmium, total	ug/L	MW-21	03/03/2025		0.8000	2.4000
Chromium, total	ug/L	MW-21	03/03/2025	ND	8.0000	11.6000
Cobalt, total	ug/L	MW-21	03/03/2025		1.2000	38.0415
Copper, total	ug/L	MW-21	03/03/2025	ND	4.0000	10.0000
Lead, total	ug/L	MW-21	03/03/2025	ND	4.0000	6.8000
Nickel, total	ug/L	MW-21	03/03/2025		9.4000	22.1457
Selenium, total	ug/L	MW-21	03/03/2025	ND	4.0000	7.5000
Silver, total	ug/L	MW-21	03/03/2025	ND	4.0000	4.0000
Thallium, total	ug/L	MW-21	03/03/2025	ND	2.0000	2.3000
Vanadium, total	ug/L	MW-21	03/03/2025	ND	20.0000	31.6000
Zinc, total	ug/L	MW-21	03/03/2025	ND	20.0000	267.0000
Antimony, total	ug/L	MW-22	03/03/2025	ND	2.0000	2.0000
Arsenic, total	ug/L	MW-22	03/03/2025		63.4000	167.0000
Barium, total	ug/L	MW-22	03/03/2025		458.0000	1259.9639
Beryllium, total	ug/L	MW-22	03/03/2025	ND	4.0000	4.0000
Cadmium, total	ug/L	MW-22	03/03/2025	ND	0.8000	2.4000
Chromium, total	ug/L	MW-22	03/03/2025	ND	8.0000	11.6000
Cobalt, total	ug/L	MW-22	03/03/2025		2.3000	38.0415
Copper, total	ug/L	MW-22	03/03/2025	ND	4.0000	10.0000
Lead, total	ug/L	MW-22	03/03/2025	ND	4.0000	6.8000
Nickel, total	ug/L	MW-22	03/03/2025	ND	4.0000	22.1457
Selenium, total	ug/L	MW-22	03/03/2025	ND	4.0000	7.5000
Silver, total	ug/L	MW-22	03/03/2025	ND	4.0000	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-22	03/03/2025	ND	2.0000		2.3000
Vanadium, total	ug/L	MW-22	03/03/2025	ND	20.0000		31.6000
Zinc, total	ug/L	MW-22	03/03/2025	ND	20.0000		267.0000
Antimony, total	ug/L	MW-4	03/03/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-4	03/03/2025		62.2000		167.0000
Barium, total	ug/L	MW-4	03/03/2025		940.0000		1259.9639
Beryllium, total	ug/L	MW-4	03/03/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-4	03/03/2025	ND	0.8000		2.4000
Chromium, total	ug/L	MW-4	03/03/2025	ND	8.0000		11.6000
Cobalt, total	ug/L	MW-4	03/03/2025		1.0000		38.0415
Copper, total	ug/L	MW-4	03/03/2025	ND	4.0000		10.0000
Lead, total	ug/L	MW-4	03/03/2025	ND	4.0000		6.8000
Nickel, total	ug/L	MW-4	03/03/2025	ND	4.0000		22.1457
Selenium, total	ug/L	MW-4	03/03/2025	ND	4.0000		7.5000
Silver, total	ug/L	MW-4	03/03/2025	ND	4.0000		4.0000
Thallium, total	ug/L	MW-4	03/03/2025	ND	2.0000		2.3000
Vanadium, total	ug/L	MW-4	03/03/2025	ND	20.0000		31.6000
Zinc, total	ug/L	MW-4	03/03/2025	ND	20.0000		267.0000
Antimony, total	ug/L	MW-5	03/03/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-5	03/03/2025		8.0000		167.0000
Barium, total	ug/L	MW-5	03/03/2025		236.0000		1259.9639
Beryllium, total	ug/L	MW-5	03/03/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-5	03/03/2025	ND	0.8000		2.4000
Chromium, total	ug/L	MW-5	03/03/2025	ND	8.0000		11.6000
Cobalt, total	ug/L	MW-5	03/03/2025		19.9000		38.0415
Copper, total	ug/L	MW-5	03/03/2025	ND	4.0000		10.0000
Lead, total	ug/L	MW-5	03/03/2025	ND	4.0000		6.8000
Nickel, total	ug/L	MW-5	03/03/2025		18.1000	**	22.1457
Selenium, total	ug/L	MW-5	03/03/2025	ND	4.0000		7.5000
Silver, total	ug/L	MW-5	03/03/2025	ND	4.0000		4.0000
Thallium, total	ug/L	MW-5	03/03/2025	ND	2.0000		2.3000
Vanadium, total	ug/L	MW-5	03/03/2025	ND	20.0000		31.6000
Zinc, total	ug/L	MW-5	03/03/2025	ND	20.0000		267.0000

* - Current value failed - awaiting verification.

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

*** - Current value failed - exceedance verified.

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

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

ND = Not Detected, Result = detection limit.

Table 3**Detection Frequencies in Upgradient and Downgradient Wells**

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Antimony, total	0	116	0.000	2	249	0.008
Arsenic, total	55	115	0.478	217	250	0.868
Barium, total	115	115	1.000	249	249	1.000
Beryllium, total	0	116	0.000	1	249	0.004
Cadmium, total	18	114	0.158	32	249	0.129
Chromium, total	2	114	0.018	12	249	0.048
Cobalt, total	92	111	0.829	200	249	0.803
Copper, total	13	110	0.118	84	250	0.336
Lead, total	2	112	0.018	37	249	0.149
Nickel, total	87	112	0.777	185	251	0.737
Selenium, total	2	115	0.017	6	249	0.024
Silver, total	0	116	0.000	0	249	0.000
Thallium, total	2	116	0.017	3	249	0.012
Vanadium, total	1	115	0.009	18	249	0.072
Zinc, total	21	113	0.186	99	249	0.398

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	116	0.000									nonpar
Arsenic, total	55	115	0.478	2.623	1.111					2.326	lognor	nonpar
Barium, total	115	115	1.000	2.007	0.293					2.326	normal	normal
Beryllium, total	0	116	0.000									nonpar
Cadmium, total	18	114	0.158	0.247	0.619					2.326	normal	nonpar
Chromium, total	2	114	0.018									nonpar
Cobalt, total	92	111	0.829	3.449	0.776					2.326	lognor	lognor
Copper, total	13	110	0.118	1.035	0.667					2.326	normal	nonpar
Lead, total	2	112	0.018									nonpar
Nickel, total	87	112	0.777	1.580	0.694					2.326	normal	normal
Selenium, total	2	115	0.017									nonpar
Silver, total	0	116	0.000									nonpar
Thallium, total	2	116	0.017									nonpar
Vanadium, total	1	115	0.009									nonpar
Zinc, total	21	113	0.186	1.235	0.382					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	116					2.0000	nonpar	***	0.99
Arsenic, total	ug/L	55	115					167.0000	nonpar		0.99
Barium, total	ug/L	115	115	421.5122	353.8165	0.0100	2.3697	1259.9639	normal		
Beryllium, total	ug/L	0	116					4.0000	nonpar	***	0.99
Cadmium, total	ug/L	18	114					2.4000	nonpar		0.99
Chromium, total	ug/L	2	114					11.6000	nonpar		0.99
Cobalt, total	ug/L	92	111	1.0903	1.0746	0.0100	2.3713	38.0415	lognor		
Copper, total	ug/L	13	110					10.0000	nonpar		0.99
Lead, total	ug/L	2	112					6.8000	nonpar		0.99
Nickel, total	ug/L	87	112	8.0875	5.9294	0.0100	2.3709	22.1457	normal		
Selenium, total	ug/L	2	115					7.5000	nonpar		0.99
Silver, total	ug/L	0	116					4.0000	nonpar	***	0.99
Thallium, total	ug/L	2	116					2.3000	nonpar		0.99
Vanadium, total	ug/L	1	115					31.6000	nonpar		0.99
Zinc, total	ug/L	21	113					267.0000	nonpar		0.99

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).

* - Insufficient Data.

** - Calculated limit raised to Manual Reporting Limit.

*** - Nonparametric limit based on ND value.

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

All sample sizes and statistics are based on outlier free data.

For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

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

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Zinc, total	ug/L	MW-17	09/07/2018	67.4000		10/16/2014-03/03/2025	22	0.5263
Zinc, total	ug/L	MW-17	09/18/2019	61.5000		10/16/2014-03/03/2025	22	0.5263
Cadmium, total	ug/L	MW-18	04/04/2015	3.9000		10/16/2014-03/03/2025	22	0.5162
Copper, total	ug/L	MW-18	10/16/2014	31.3000		10/16/2014-03/03/2025	21	0.5381
Copper, total	ug/L	MW-18	09/20/2016	16.0000		10/16/2014-03/03/2025	21	0.5381
Lead, total	ug/L	MW-18	10/16/2014	12.4000		10/16/2014-03/03/2025	21	0.5263
Barium, total	ug/L	MW-19A	03/20/2024	622.0000		10/16/2014-03/03/2025	22	0.5162
Cadmium, total	ug/L	MW-19A	09/11/2023	9.0000		10/16/2014-03/03/2025	22	0.5162
Cobalt, total	ug/L	MW-19A	03/20/2024	6.9000		10/16/2014-03/03/2025	22	0.5162
Lead, total	ug/L	MW-2	04/02/2019	13.6000		04/04/2015-03/25/2020	6	0.6987
Nickel, total	ug/L	MW-24	04/04/2015	25.1000	< 20.0000	10/16/2014-03/03/2025	21	0.5381
Nickel, total	ug/L	MW-24	03/21/2018	20.0000		10/16/2014-03/03/2025	21	0.5381
Copper, total	ug/L	MW-9	04/04/2015	26.3000		10/16/2014-03/03/2025	23	0.5162
Copper, total	ug/L	MW-9	03/21/2018	18.0000		10/16/2014-03/03/2025	23	0.5162
Zinc, total	ug/L	MW-9	09/07/2018	73.9000		10/16/2014-03/03/2025	22	0.5162

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

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

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

Table 8

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

Constituent	Units	Well	Date		Result	Pred. Limit
Nickel, total	ug/L	MW-5	04/23/2008	ND	5.0000	22.1457
Nickel, total	ug/L	MW-5	06/23/2008		13.0000	22.1457
Nickel, total	ug/L	MW-5	08/13/2008		8.0000	22.1457
Nickel, total	ug/L	MW-5	10/02/2008		13.9000	22.1457
Nickel, total	ug/L	MW-5	12/13/2008		9.2000	22.1457
Nickel, total	ug/L	MW-5	03/04/2009		6.8000	22.1457
Nickel, total	ug/L	MW-5	09/17/2009		8.7000	22.1457
Nickel, total	ug/L	MW-5	11/06/2009		10.8000	22.1457
Nickel, total	ug/L	MW-5	04/05/2010		10.4000	22.1457
Nickel, total	ug/L	MW-5	10/08/2010		9.9000	22.1457
Nickel, total	ug/L	MW-5	04/13/2011		17.6000	22.1457
Nickel, total	ug/L	MW-5	09/22/2011		16.8000	22.1457
Nickel, total	ug/L	MW-5	04/09/2012		13.4000	22.1457
Nickel, total	ug/L	MW-5	09/05/2012		12.9000	22.1457
Nickel, total	ug/L	MW-5	04/26/2013		11.6000	22.1457
Nickel, total	ug/L	MW-5	09/26/2013		7.8000	22.1457
Nickel, total	ug/L	MW-5	04/10/2014	ND	4.0000	22.1457
Nickel, total	ug/L	MW-5	10/16/2014		11.5000	22.1457
Nickel, total	ug/L	MW-5	04/04/2015		7.0000	22.1457
Nickel, total	ug/L	MW-5	10/01/2015		5.7000	22.1457
Nickel, total	ug/L	MW-5	04/04/2016		5.3000	22.1457
Nickel, total	ug/L	MW-5	09/20/2016		9.5000	22.1457
Nickel, total	ug/L	MW-5	04/24/2017		6.5000	22.1457
Nickel, total	ug/L	MW-5	10/09/2017		7.9000	22.1457
Nickel, total	ug/L	MW-5	03/21/2018		6.3000	22.1457
Nickel, total	ug/L	MW-5	09/07/2018		5.8000	22.1457
Nickel, total	ug/L	MW-5	04/02/2019		21.4000	22.1457
Nickel, total	ug/L	MW-5	06/05/2019		13.7000	22.1457
Nickel, total	ug/L	MW-5	09/18/2019		5.1000	22.1457
Nickel, total	ug/L	MW-5	03/25/2020		6.3000	22.1457
Nickel, total	ug/L	MW-5	09/15/2020		4.8000	22.1457
Nickel, total	ug/L	MW-5	03/08/2021		8.5000	22.1457
Nickel, total	ug/L	MW-5	09/28/2021		4.9000	22.1457
Nickel, total	ug/L	MW-5	03/08/2022		6.1000	22.1457
Nickel, total	ug/L	MW-5	08/30/2022		5.6000	22.1457
Nickel, total	ug/L	MW-5	03/07/2023		8.7000	22.1457
Nickel, total	ug/L	MW-5	09/11/2023	ND	4.0000	22.1457
Nickel, total	ug/L	MW-5	03/20/2024		9.0000	22.1457
Nickel, total	ug/L	MW-5	09/12/2024		33.3000 *	22.1457
Nickel, total	ug/L	MW-5	03/03/2025		18.1000	22.1457

* - Significantly increased over background.

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

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

The figure displays 15 individual graphs, each representing the concentration of a specific metal over time (Year 14 to 26). Each graph includes a legend on the left side with the following items:

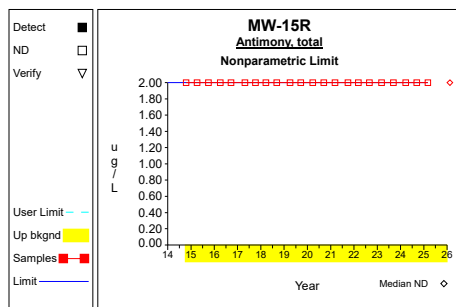
- Detect**: Represented by a black square.
- ND**: Represented by an open square.
- Verify**: Represented by a downward-pointing triangle.
- User Limit**: Represented by a light blue dashed line.
- Up bkgnd**: Represented by a yellow shaded area.
- Samples**: Represented by red squares.
- Limit**: Represented by a solid blue line.

The metals and their corresponding limit types are:

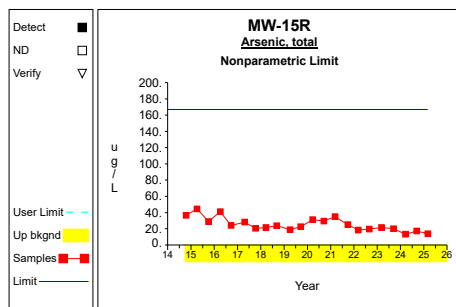
- Graph 1: MW-12 Antimony, total** (Nonparametric Limit)
- Graph 2: MW-12 Arsenic, total** (Nonparametric Limit)
- Graph 3: MW-12 Barium, total** (Normal Limit)
- Graph 4: MW-12 Beryllium, total** (Nonparametric Limit)
- Graph 5: MW-12 Cadmium, total** (Nonparametric Limit)
- Graph 6: MW-12 Chromium, total** (Nonparametric Limit)
- Graph 7: MW-12 Cobalt, total** (Lognormal Limit)
- Graph 8: MW-12 Copper, total** (Nonparametric Limit)
- Graph 9: MW-12 Lead, total** (Nonparametric Limit)
- Graph 10: MW-12 Nickel, total** (Normal Limit)
- Graph 11: MW-12 Selenium, total** (Nonparametric Limit)
- Graph 12: MW-12 Silver, total** (Nonparametric Limit)
- Graph 13: MW-12 Thallium, total** (Nonparametric Limit)
- Graph 14: MW-12 Vanadium, total** (Nonparametric Limit)
- Graph 15: MW-12 Zinc, total** (Nonparametric Limit)

The y-axis for all graphs is labeled $\mu\text{g} / \text{L}$. The x-axis is labeled **Year** and ranges from 14 to 26. The **Median ND** is indicated by a diamond symbol at the end of the x-axis.

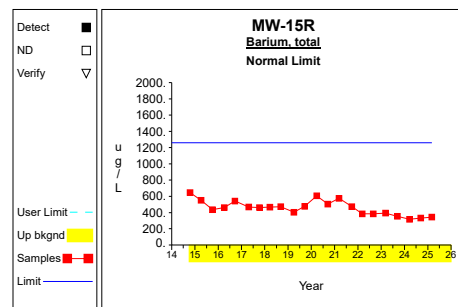
Up vs. Down Prediction Limits



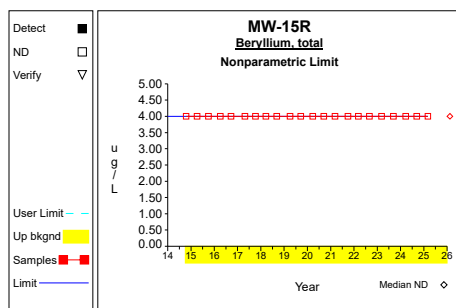
Graph 16



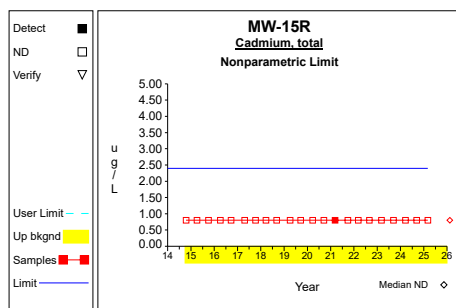
Graph 17



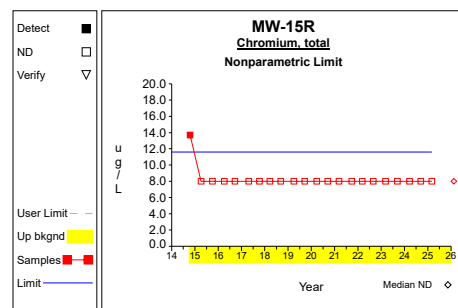
Graph 18



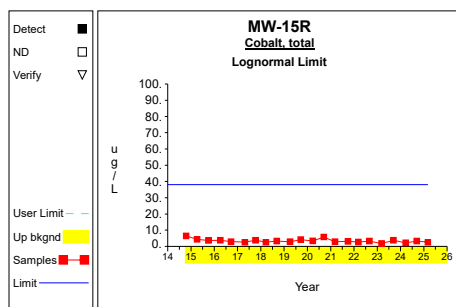
Graph 19



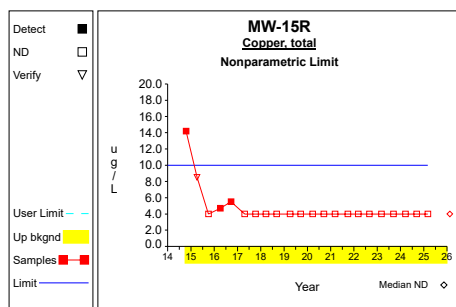
Graph 20



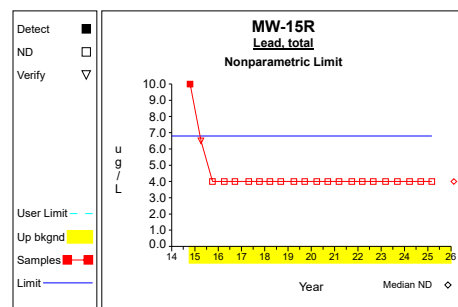
Graph 21



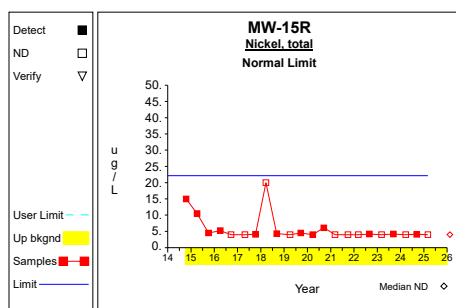
Graph 22



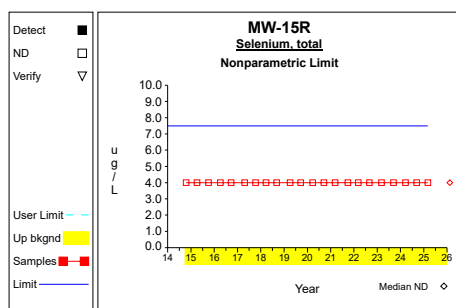
Graph 23



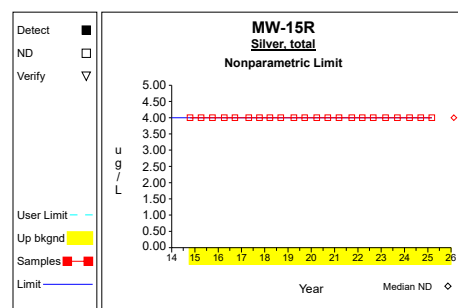
Graph 24



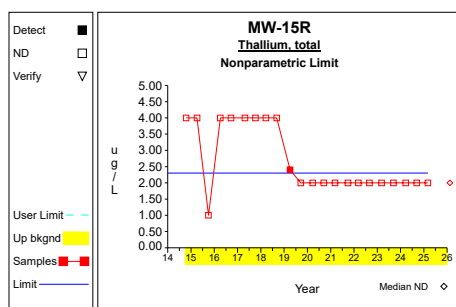
Graph 25



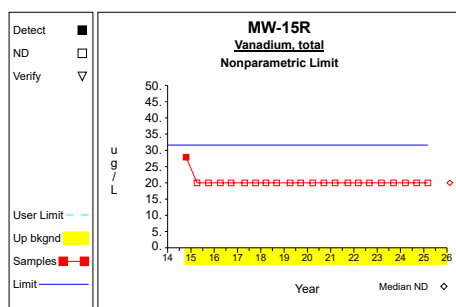
Graph 26



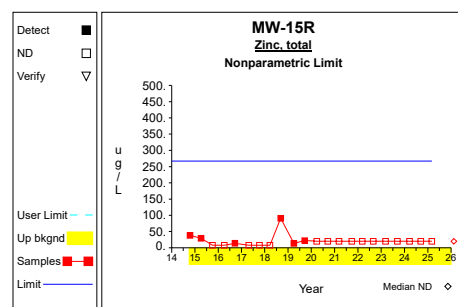
Graph 27



Graph 28

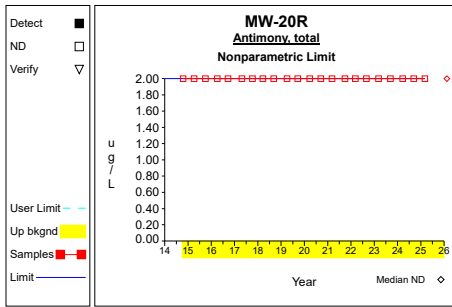


Graph 29

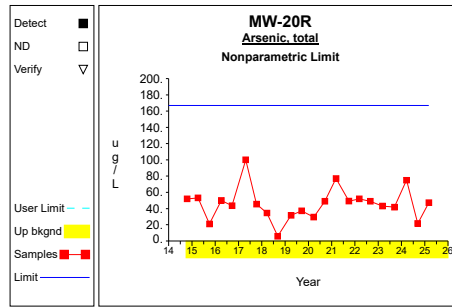


Graph 30

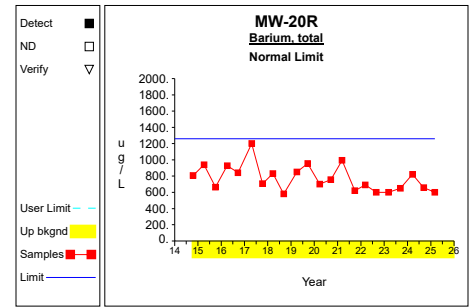
Up vs. Down Prediction Limits



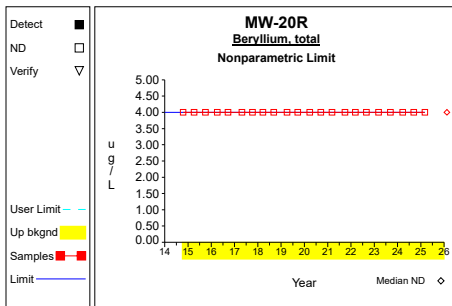
Graph 31



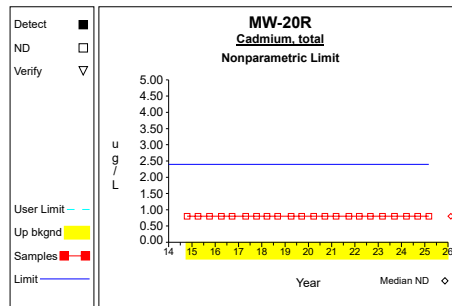
Graph 32



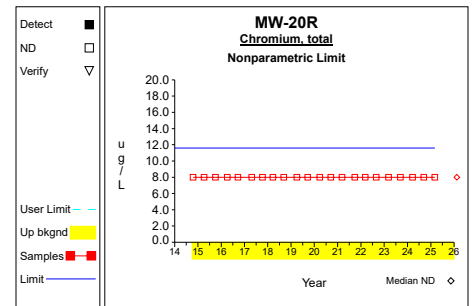
Graph 33



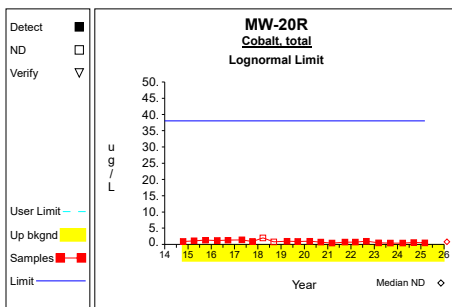
Graph 34



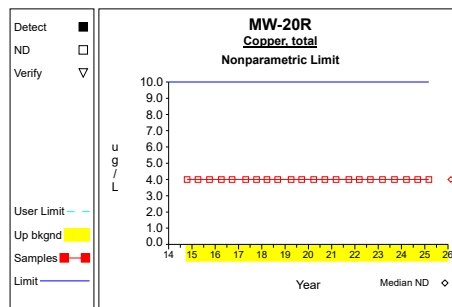
Graph 35



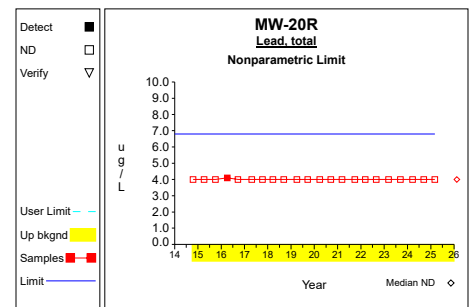
Graph 36



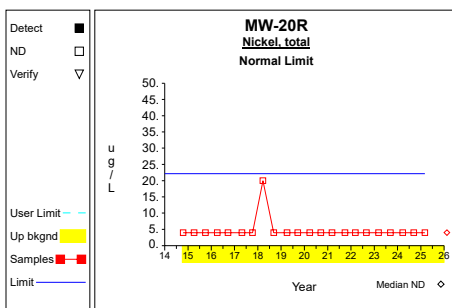
Graph 37



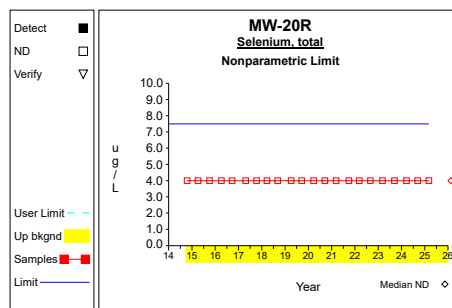
Graph 38



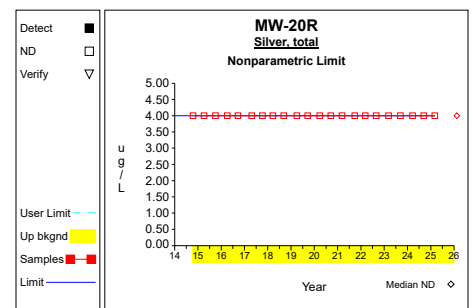
Graph 39



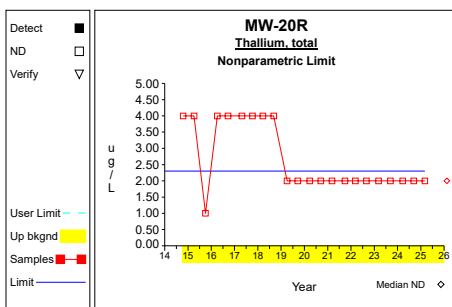
Graph 40



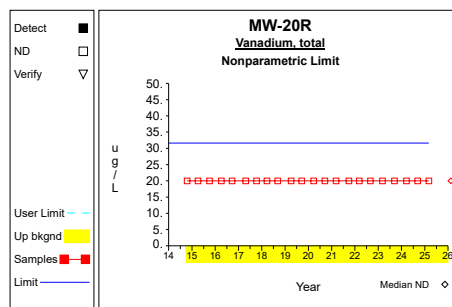
Graph 41



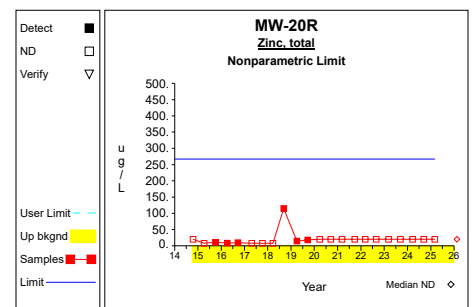
Graph 42



Graph 43

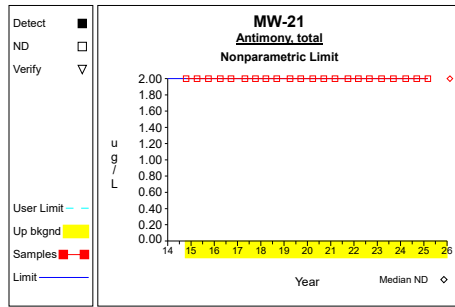


Graph 44

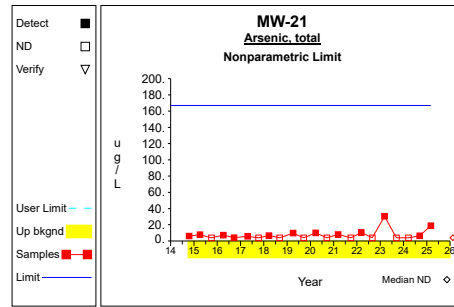


Graph 45

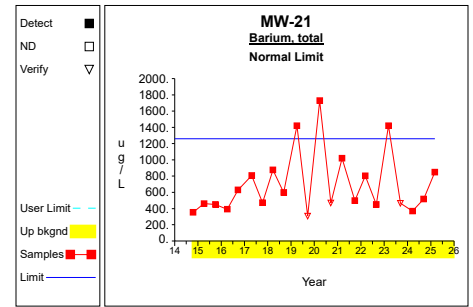
Up vs. Down Prediction Limits



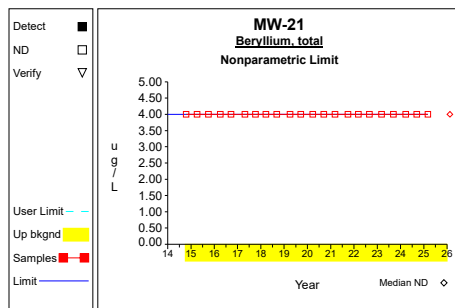
Graph 46



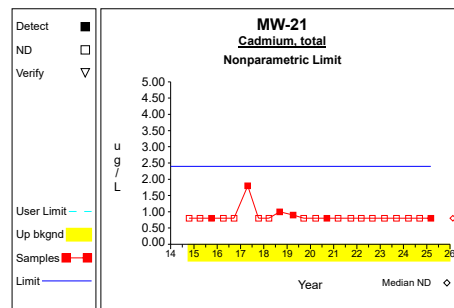
Graph 47



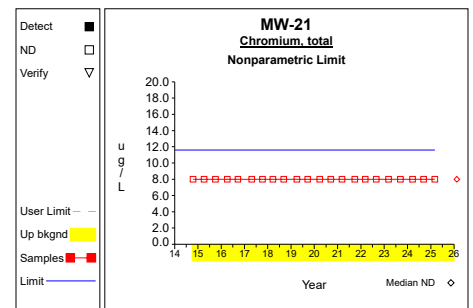
Graph 48



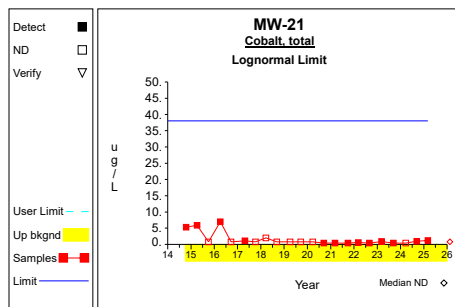
Graph 49



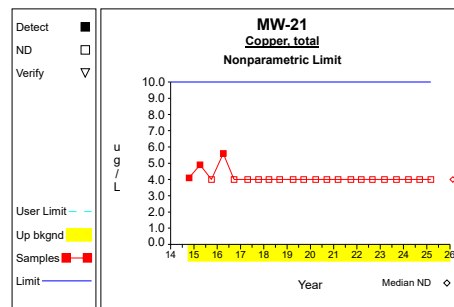
Graph 50



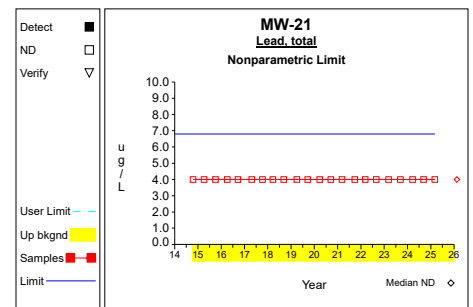
Graph 51



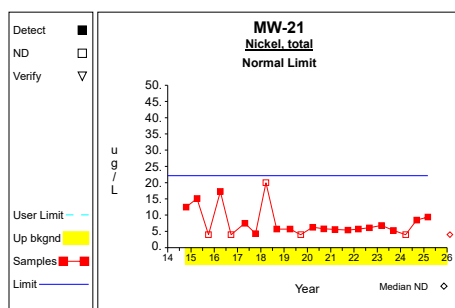
Graph 52



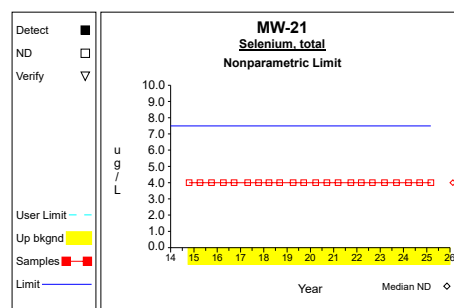
Graph 53



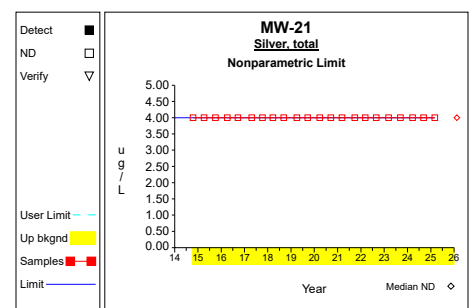
Graph 54



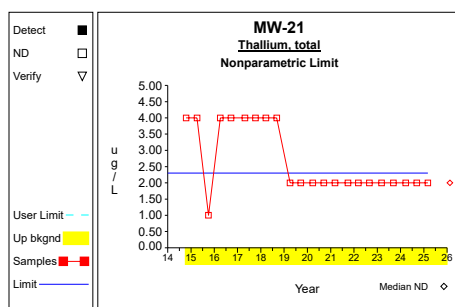
Graph 55



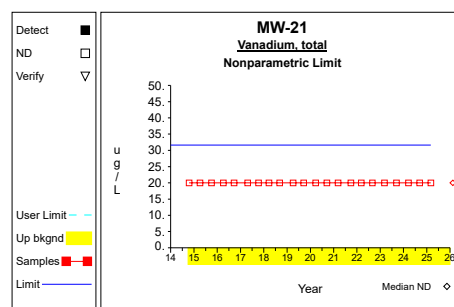
Graph 56



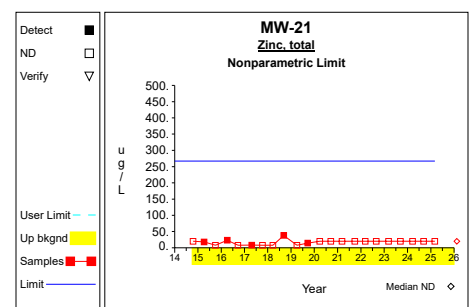
Graph 57



Graph 58



Graph 59



Graph 60

MW-22
Antimony total
Nonparametric Limit

2.00
1.80
1.60
1.40
1.20
1.00
0.80
0.60
0.40
0.20
0.00

u g / L

14 15 16 17 18 19 20 21 22 23 24 25 26

Year

Median ND ◇

Detect ■
ND □
Verify ▽

User Limit —
Up bkgnd
Samples ■■
Limit —

Detect ☒

ND ☐

Verify ☐

User Limit

Up bkgnd

Samples

Limit

MW-22
Arsenic, total
Nonparametric Limit

Legend:

- Detect ☒
- ND ☐
- Verify ☐
- User Limit
- Up bkgnd
- Samples
- Limit

Graph Data (Estimated):

Year	Concentration (ug/L)
14	0
15	400
16	150
17	50
18	90
19	50
20	90
21	80
22	90
23	50
24	90
25	70
26	70

MW-22
Barium, total
 Normal Limit

u g / L

Year

Legend:

- Detect (black square)
- ND (white square)
- Verify (inverted triangle)
- User Limit (cyan dashed line)
- Up bkgnd (yellow shaded area)
- Samples (red square)
- Limit (blue solid line)

MW-22
Beryllium, total
 Nonparametric Limit

Detect ☒
 ND ☐
 Verify ☐

u g / L

User Limit —
 Up bkgnd
 Samples ■ ■
 Limit —

Year Median ND ◇

MW-22
Cadmium, total
Nonparametric Limit

u
g /
L

Year

Limit

User Limit

Up bkgnd

Samples

Limit

Median ND

Year	Value (ug/L)	Type
15	0.80	Sample
16	0.80	Sample
17	0.80	Sample
18	1.25	Sample
19	0.80	Sample
20	0.80	Sample
21	0.80	Sample
22	0.80	Sample
23	1.00	Sample
24	0.80	Sample
25	0.80	Sample
26	0.80	Sample

Detect ☒

ND ☐

Verify ☐

User Limit ☐

Up bkgnd ☐

Samples ☒

Limit ☐

MW-22
Chromium, total
Nonparametric Limit

u
g
/ L

Year

Median ND ☒

Year	Concentration (u g / L)
15	8.0
16	8.0
17	8.0
18	8.0
19	8.0
20	8.0
21	8.0
22	8.0
23	8.0
24	8.0
25	8.0
26	10.0

MW-22
Cobalt, total
Lognormal Limit

u g / L

Year

Legend:

- Detect (Black square)
- ND (White square)
- Verify (Inverted triangle)
- User Limit (Cyan dashed line)
- Up bkgnd (Yellow shaded area)
- Samples (Red squares)
- Limit (Blue solid line)

Year	Sample Value (u g / L)
15	4.5
16	5.5
17	4.5
18	3.5
19	2.5
20	3.5
21	4.5
22	5.5
23	4.5
24	2.5
25	3.5

MW-22
Lead total
Nonparametric Limit

10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0

u
g
/
L

14 15 16 17 18 19 20 21 22 23 24 25 26

Year Median ND

Detect ■
ND □
Verify ▽

User Limit —
Up bkgnd
Samples ■ ■
Limit —

MW-22
Nickel, total
 Normal Limit

u g / L

Year

Median ND

Legend:

- Detect: ■
- ND: □
- Verify: ▽
- User Limit: 10
- Up bkgnd: 15 to 26
- Samples: ■
- Limit: 25

Year	Nickel (u g / L)	Category
15	7	Sample
16	8	Sample
17	7	Sample
18	20	Sample
19	6	Sample
20	6	Sample
21	6	Sample
22	5	Sample
23	7	Sample
24	4	Sample
25	7	Sample
26	4	Sample

MW-22
Selenium, total
Nonparametric Limit

Legend:
 Detect ■
 ND □
 Verify ▽

Y-axis: ug / L (0.0 to 10.0)
 X-axis: Year (14 to 26)

Annotations:
 User Limit — (cyan line)
 Up bkgnd (yellow shaded area)
 Samples ■ (red squares)
 Limit — (blue line)
 Median ND ◇ (diamond)

Year	Concentration (ug/L)	Type
15	4.0	Sample
16	4.0	Sample
17	4.0	Sample
18	4.0	Sample
19	4.0	Sample
20	4.0	Sample
21	4.0	Sample
22	4.0	Sample
23	4.0	Sample
24	4.0	Sample
25	4.0	Sample

MW-22
Thallium_total
Nonparametric Limit

u g / L

Year

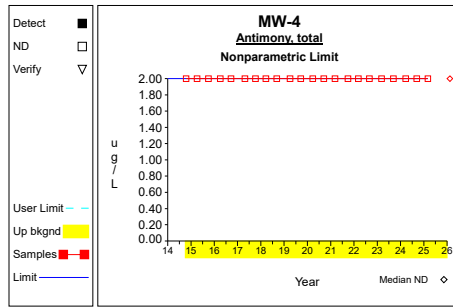
Median ND ◇

Legend:

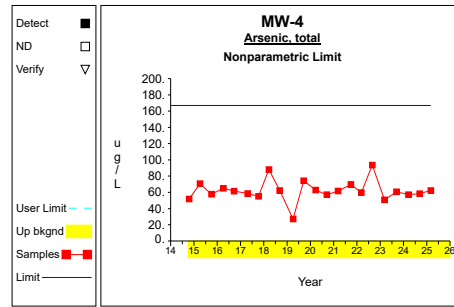
- Detect ■
- ND □
- Verify ▽
- User Limit —
- Up bkgnd
- Samples ■
- Limit —
- Median ND ◇

Prepared by: Otter Creek Environmental

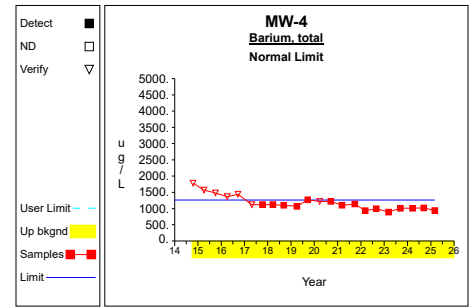
Up vs. Down Prediction Limits



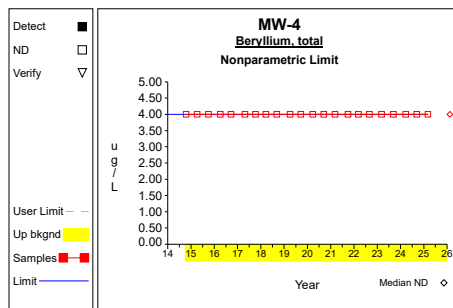
Graph 76



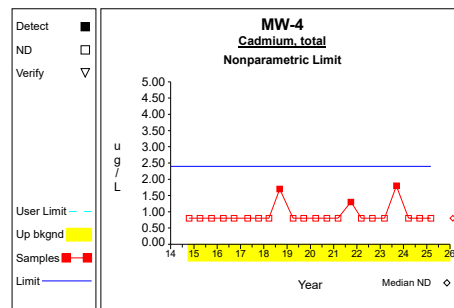
Graph 77



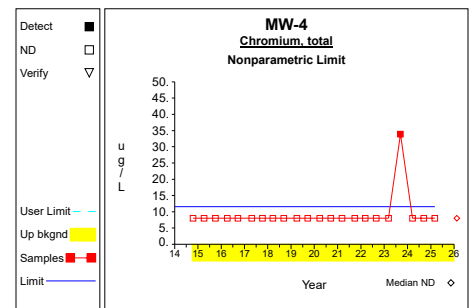
Graph 78



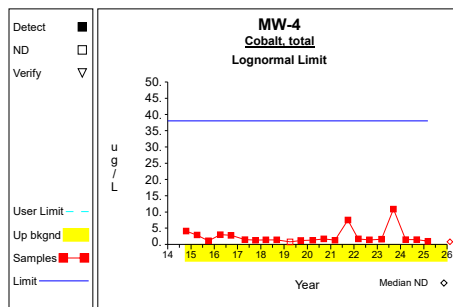
Graph 79



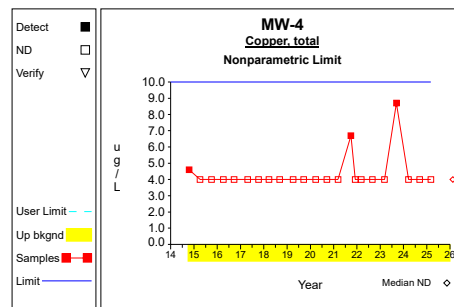
Graph 80



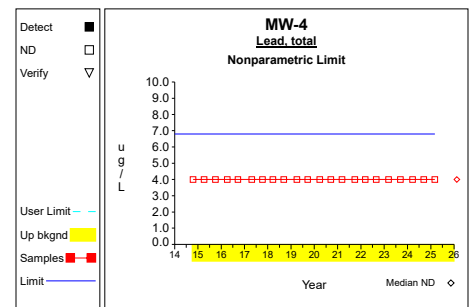
Graph 81



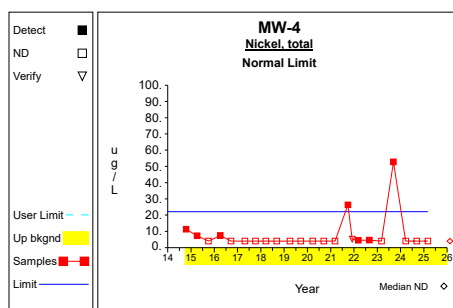
Graph 82



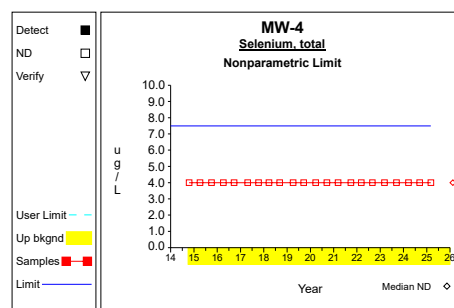
Graph 83



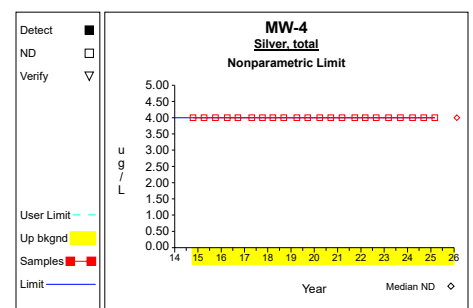
Graph 84



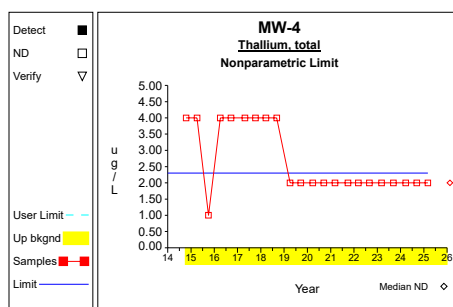
Graph 85



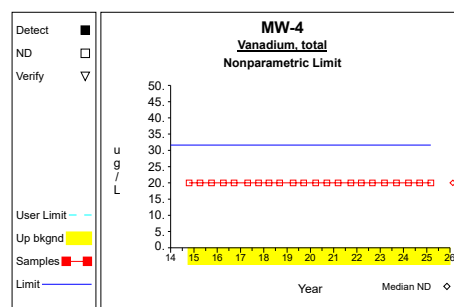
Graph 86



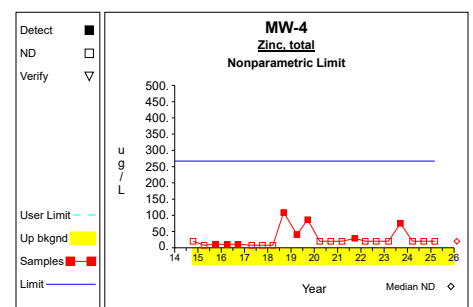
Graph 87



Graph 88



Graph 89



Graph 90

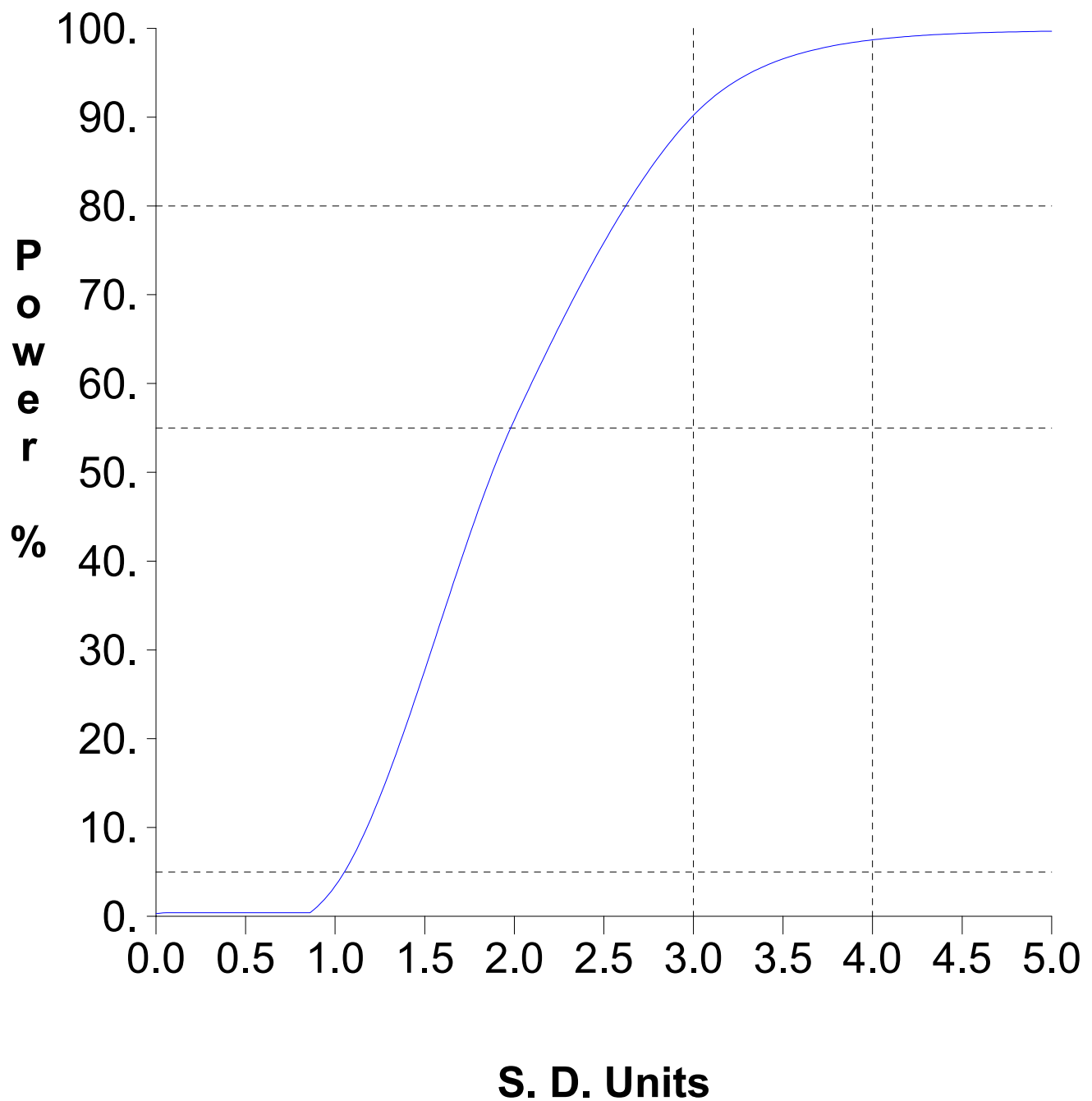
The figure displays 15 individual graphs, each representing the concentration of a different metal over time (Year 14 to 26). Each graph includes a legend with the following items:

- Detect**: Black square icon
- ND**: White square icon
- Verify**: Inverted triangle icon
- User Limit**: Cyan dashed line
- Up bkgnd**: Yellow shaded area
- Samples**: Red square icon
- Limit**: Blue solid line

The graphs are labeled as follows:

- Graph 91**: MW-5 Antimony, total Nonparametric Limit
- Graph 92**: MW-5 Arsenic, total Nonparametric Limit
- Graph 93**: MW-5 Barium, total Normal Limit
- Graph 94**: MW-5 Beryllium, total Nonparametric Limit
- Graph 95**: MW-5 Cadmium, total Nonparametric Limit
- Graph 96**: MW-5 Chromium, total Nonparametric Limit
- Graph 97**: MW-5 Cobalt, total Lognormal Limit
- Graph 98**: MW-5 Copper, total Nonparametric Limit
- Graph 99**: MW-5 Lead, total Nonparametric Limit
- Graph 100**: MW-5 Nickel, total Normal Limit
- Graph 101**: MW-5 Selenium, total Nonparametric Limit
- Graph 102**: MW-5 Silver, total Nonparametric Limit
- Graph 103**: MW-5 Thallium, total Nonparametric Limit
- Graph 104**: MW-5 Vanadium, total Nonparametric Limit
- Graph 105**: MW-5 Zinc, total Nonparametric Limit

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



Worksheet 1 - Upgradient vs. Downgradient Comparisons**Antimony, total (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 2.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Arsenic, total (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 167.0	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Barium, total (ug/L)****Normal Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ = 48473.9 / 115 = 421.512	Compute upgradient mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ = $((3.47 \times 10^7 - 2.35 \times 10^9/115) / (115-1))^{1/2}$ = 353.817	Compute upgradient sd.
3	$\alpha = \min[(1-.95^{1/K})^{1/2}, .01]$ = $\min[(1-.95^{1/105})^{1/2}, .01]$ = 0.01	Adjusted per comparison false positive rate. Pass initial or 1 resample.
4	$PL = \bar{X} + tS(1+1/N)^{1/2}$ = 421.512 + $(2.359 \times 353.817)(1+1/115)^{1/2}$ = 1259.964	One-sided normal prediction limit (t is Student's t on N-1 degrees of freedom and 1-alpha confidence level).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Beryllium, total (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 4.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Cadmium, total (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 2.4	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Chromium, total (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 11.6	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Cobalt, total (ug/L)****Lognormal Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$Y = \log_e(X)$	Transform to natural logarithmic scale.
2	$\bar{Y}_1 = \text{sum}[Y_1] / N_1$ $= 121.027 / 92$ $= 1.316$	Compute mean of N_1 detected log transformed measurements.
3	$S_{Y_1} = ((\text{sum}[Y_1^2] - \text{sum}[Y_1]^2 / N_1) / (N_1 - 1))^{1/2}$ $= ((258.807 - 14647.491 / 92) / (92 - 1))^{1/2}$ $= 1.046$	Compute sd of N_1 detected log transformed measurements.
4	$\bar{Y} = (1 - N_0/N) \bar{Y}_1$ $= (1 - 19/111) 1.316$ $= 1.09$	Use Aitchison's method to adjust mean for presence of nondetects (log scale).
5	$S_Y = [(1 - N_0/N) * S_{Y_1}^2 + (N_0/N) (1 - (N_0 - 1)/(N - 1)) \bar{Y}_1^2]^{1/2}$ $= [(1 - 19/111) * 1.046^2 + (19/111) (1 - (19 - 1)/(111 - 1)) 1.316^2]^{1/2}$ $= 1.075$	Use Aitchison's method to adjust sd for presence of nondetects (log scale).
6	$\alpha = \min[(1 - .95^{1/K})^{1/2}, .01]$ $= \min[(1 - .95^{1/105})^{1/2}, .01]$ $= 0.01$	Adjusted per comparison false positive rate. Pass initial or 1 resample.
7	$PL = \exp[\bar{Y} + t S_Y (1 + 1/N)^{1/2}]$ $= \exp[1.09 + (2.361 * 1.075)(1 + 1/111)^{1/2}]$ $= 38.041$	One-sided lognormal prediction limit (t is Student's t on N-1 degrees of freedom and 1-alpha confidence level).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Copper, total (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \max(X)$ $= 10.0$	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Lead, total (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \max(X)$ $= 6.8$	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Nickel, total (ug/L)****Normal Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X}_1 = \text{sum}[X_1] / N_1$ $= 905.8 / 87$ $= 10.411$	Compute mean of N_1 detected measurements.
2	$S_1 = ((\text{sum}[X_1^2] - \text{sum}[X_1]^2 / N_1) / (N_1 - 1))^{1/2}$ $= ((11223.56 - 820473.64 / 87) / (87 - 1))^{1/2}$ $= 4.566$	Compute sd of N_1 detected measurements.
3	$\bar{X} = (1 - N_0/N) \bar{X}_1$ $= (1 - 25/112) 10.411$ $= 8.088$	Use Aitchison's method to adjust mean for presence of nondetects.
4	$S = [(1 - N_0/N) * S_1^2 + (N_0/N) (1 - (N_0 - 1)/(N - 1)) \bar{X}_1^2]^{1/2}$ $= [(1 - 25/112) * 4.566^2 + (25/112) (1 - (25 - 1)/(112 - 1)) 10.411^2]^{1/2}$ $= 5.929$	Use Aitchison's method to adjust sd for presence of nondetects.
5	$\alpha = \min[(1 - .95^{1/K})^{1/2}, .01]$ $= \min[(1 - .95^{1/105})^{1/2}, .01]$ $= 0.01$	Adjusted per comparison false positive rate. Pass initial or 1 resample.
6	$PL = \bar{X} + tS(1 + 1/N)^{1/2}$ $= 8.088$ $+ (2.36 * 5.929)(1 + 1/112)^{1/2}$ $= 22.146$	One-sided normal prediction limit (t is Student's t on N-1 degrees of freedom and 1-alpha confidence level).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Selenium, total (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 7.5	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Silver, total (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 4.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Thallium, total (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 2.3	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Vanadium, total (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 31.6	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Zinc, total (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 267.0	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Attachment C

Assessment Statistics for Verified Trace Metal Exceedances

Table 1

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

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Arsenic, total	ug/L	MW-12	4	6.150	4.206	1.176	1.203	11.097	10.000		
Barium, total	ug/L	MW-12	4	296.500	25.436	1.176	266.580	326.420	2000.000		
Cadmium, total	ug/L	MW-12	4	0.400	0.000	1.176	0.400	0.400	5.000		
Cobalt, total	ug/L	MW-12	4	2.400	1.134	1.176	1.066	3.734	2.100		
Copper, total	ug/L	MW-12	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-12	4	4.650	2.040	1.176	2.250	7.050	100.000		
Arsenic, total	ug/L	MW-15R	4	16.175	3.145	1.176	12.476	19.874	10.000	dec	**
Barium, total	ug/L	MW-15R	4	336.750	15.392	1.176	318.644	354.856	2000.000	dec	
Cadmium, total	ug/L	MW-15R	4	0.400	0.000	1.176	0.400	0.400	5.000		**
Cobalt, total	ug/L	MW-15R	4	2.975	0.714	1.176	2.136	3.814	2.100		
Copper, total	ug/L	MW-15R	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-15R	4	3.075	1.242	1.176	1.614	4.536	100.000		
Arsenic, total	ug/L	MW-17	4	2.000	0.000	1.176	2.000	2.000	10.000		
Barium, total	ug/L	MW-17	4	150.750	2.062	1.176	148.325	153.175	2000.000		
Cadmium, total	ug/L	MW-17	4	0.400	0.000	1.176	0.400	0.400	5.000		
Cobalt, total	ug/L	MW-17	4	1.700	1.398	1.176	0.056	3.344	2.100		
Copper, total	ug/L	MW-17	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-17	4	6.050	0.858	1.176	5.040	7.060	100.000		
Arsenic, total	ug/L	MW-18	4	17.825	1.592	1.176	15.952	19.698	10.000	dec	**
Barium, total	ug/L	MW-18	4	651.750	41.048	1.176	603.466	700.034	2000.000	dec	
Cadmium, total	ug/L	MW-18	4	0.400	0.000	1.176	0.400	0.400	5.000		**
Cobalt, total	ug/L	MW-18	4	9.150	3.086	1.176	5.520	12.780	2.100		
Copper, total	ug/L	MW-18	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-18	4	17.000	4.791	1.176	11.364	22.636	100.000		
Arsenic, total	ug/L	MW-19A	4	2.500	1.000	1.176	1.324	3.676	10.000		
Barium, total	ug/L	MW-19A	4	182.050	293.311	1.176	0.000	527.068	2000.000		
Cadmium, total	ug/L	MW-19A	4	2.700	4.210	1.176	0.000	7.652	5.000		
Cobalt, total	ug/L	MW-19A	4	2.050	3.234	1.176	0.000	5.854	2.100		
Copper, total	ug/L	MW-19A	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-19A	4	8.475	1.305	1.176	6.940	10.010	100.000		
Arsenic, total	ug/L	MW-20R	4	46.350	22.058	1.176	20.404	72.296	10.000		**
Barium, total	ug/L	MW-20R	4	682.250	95.796	1.176	569.566	794.934	2000.000		
Cadmium, total	ug/L	MW-20R	4	0.400	0.000	1.176	0.400	0.400	5.000		
Cobalt, total	ug/L	MW-20R	4	0.475	0.096	1.176	0.362	0.588	2.100		
Copper, total	ug/L	MW-20R	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-20R	4	2.000	0.000	1.176	2.000	2.000	100.000		
Arsenic, total	ug/L	MW-21	4	7.375	8.035	1.176	0.000	16.827	10.000		
Barium, total	ug/L	MW-21	4	550.250	209.025	1.176	304.376	796.124	2000.000		
Cadmium, total	ug/L	MW-21	4	0.500	0.200	1.176	0.265	0.735	5.000		
Cobalt, total	ug/L	MW-21	4	0.750	0.412	1.176	0.265	1.235	2.100		
Copper, total	ug/L	MW-21	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-21	4	6.300	3.364	1.176	2.344	10.256	100.000		
Arsenic, total	ug/L	MW-22	4	70.450	16.779	1.176	50.713	90.187	10.000		**
Barium, total	ug/L	MW-22	4	420.500	39.230	1.176	374.354	466.646	2000.000		
Cadmium, total	ug/L	MW-22	4	0.550	0.300	1.176	0.197	0.903	5.000		
Cobalt, total	ug/L	MW-22	4	3.075	1.204	1.176	1.659	4.491	2.100		
Copper, total	ug/L	MW-22	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-22	4	4.775	3.207	1.176	1.003	8.547	100.000		
Arsenic, total	ug/L	MW-24	4	26.875	21.138	1.176	2.010	51.740	10.000		
Barium, total	ug/L	MW-24	4	515.250	52.028	1.176	454.050	576.450	2000.000	dec	
Cadmium, total	ug/L	MW-24	4	0.525	0.250	1.176	0.231	0.819	5.000		
Cobalt, total	ug/L	MW-24	4	0.600	0.432	1.176	0.092	1.108	2.100	dec	
Copper, total	ug/L	MW-24	4	2.725	1.450	1.176	1.019	4.431	1300.000		
Nickel, total	ug/L	MW-24	4	2.000	0.000	1.176	2.000	2.000	100.000		
Arsenic, total	ug/L	MW-25	4	9.025	12.316	1.176	0.000	23.512	10.000		
Barium, total	ug/L	MW-25	4	212.450	202.593	1.176	0.000	450.758	2000.000		
Cadmium, total	ug/L	MW-25	1								*
Cobalt, total	ug/L	MW-25	1								*
Copper, total	ug/L	MW-25	1								*
Nickel, total	ug/L	MW-25	1								*
Arsenic, total	ug/L	MW-26	4	34.625	44.957	1.176	0.000	87.507	10.000		
Barium, total	ug/L	MW-26	4	570.275	487.917	1.176	0.000	1144.206	2000.000		
Cadmium, total	ug/L	MW-26	1								*
Cobalt, total	ug/L	MW-26	1								*
Copper, total	ug/L	MW-26	1								*
Nickel, total	ug/L	MW-26	1								*
Arsenic, total	ug/L	MW-4	4	59.625	2.249	1.176	56.980	62.270	10.000		**
Barium, total	ug/L	MW-4	4	995.000	36.968	1.176	951.514	1038.486	2000.000	dec	
Cadmium, total	ug/L	MW-4	4	0.750	0.700	1.176	0.000	1.573	5.000		
Cobalt, total	ug/L	MW-4	4	3.725	4.789	1.176	0.000	9.358	2.100		
Copper, total	ug/L	MW-4	4	3.675	3.350	1.176	0.000	7.616	1300.000		
Nickel, total	ug/L	MW-4	4	14.700	25.400	1.176	0.000	44.578	100.000		

* - Insufficient Data

** - Significant Exceedance

LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

Table 1

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

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Arsenic, total	ug/L	MW-5	4	63.700	74.249	1.176	0.000	151.038	10.000	inc	
Barium, total	ug/L	MW-5	4	305.500	77.814	1.176	213.968	397.032	2000.000		
Cadmium, total	ug/L	MW-5	4	0.525	0.250	1.176	0.231	0.819	5.000		
Cobalt, total	ug/L	MW-5	4	8.950	8.206	1.176	0.000	18.602	2.100		
Copper, total	ug/L	MW-5	4	11.425	10.733	1.176	0.000	24.050	1300.000		
Nickel, total	ug/L	MW-5	4	15.600	13.516	1.176	0.000	31.499	100.000		
Arsenic, total	ug/L	MW-9	4	5.125	2.468	1.176	2.222	8.028	10.000	dec	**
Barium, total	ug/L	MW-9	4	292.500	9.883	1.176	280.875	304.125	2000.000		
Cadmium, total	ug/L	MW-9	4	0.400	0.000	1.176	0.400	0.400	5.000		
Cobalt, total	ug/L	MW-9	4	4.550	0.574	1.176	3.874	5.226	2.100		
Copper, total	ug/L	MW-9	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-9	4	9.075	0.885	1.176	8.034	10.116	100.000	dec	

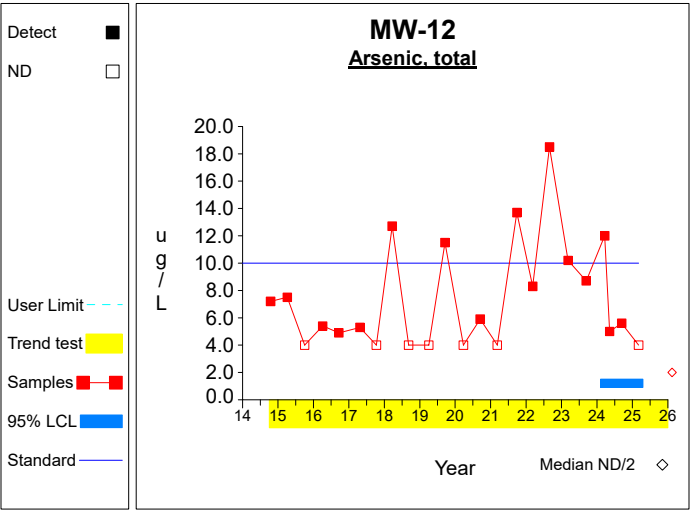
* - Insufficient Data

** - Significant Exceedance

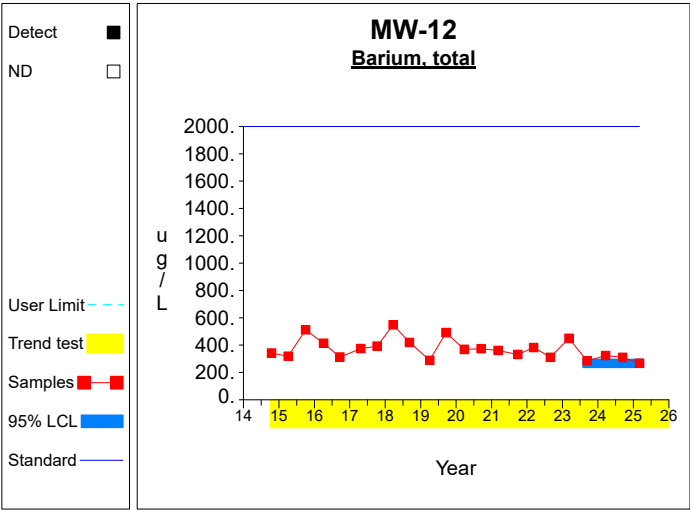
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

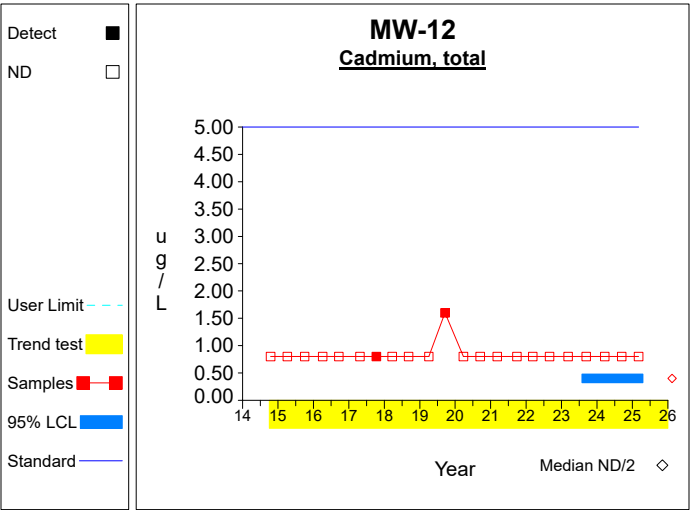
Confidence Limits (Assessment)



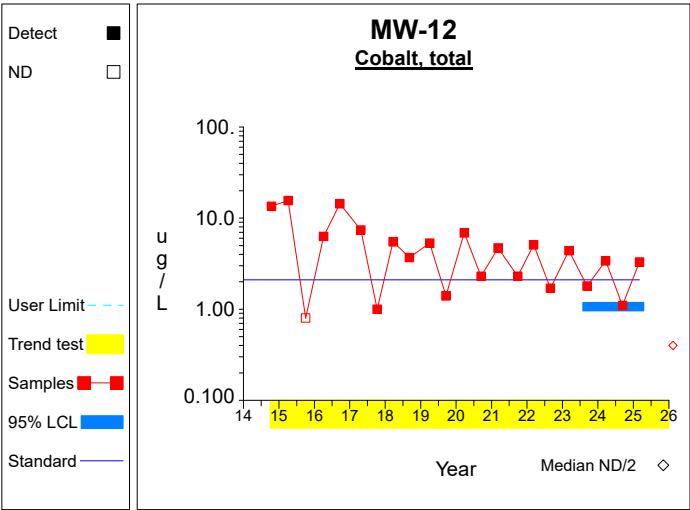
Graph 1



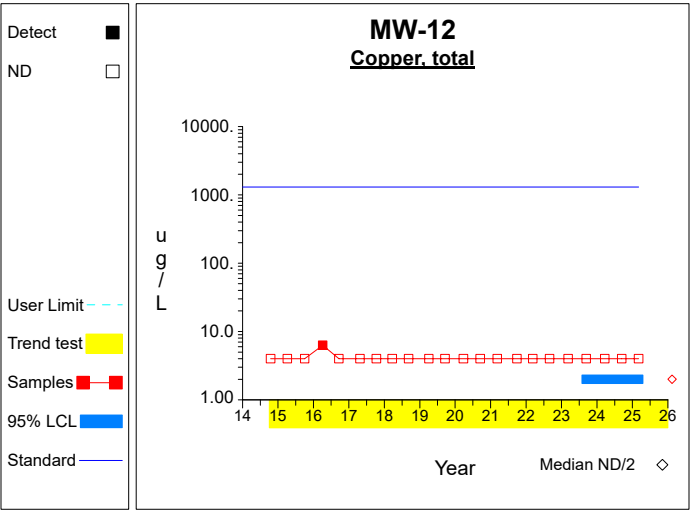
Graph 2



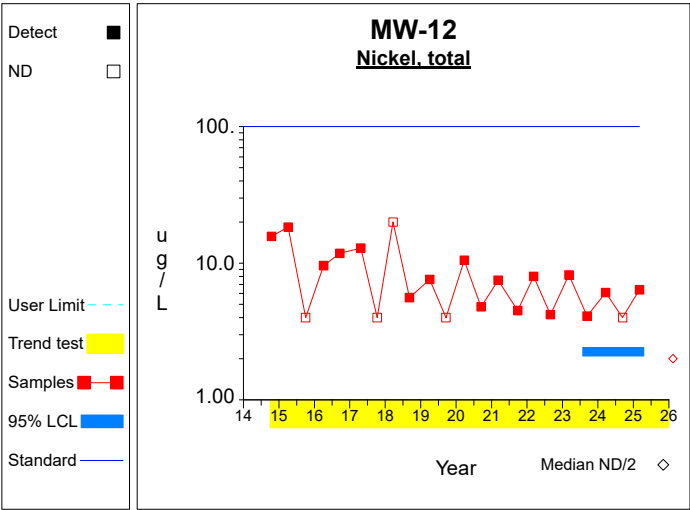
Graph 3



Graph 4

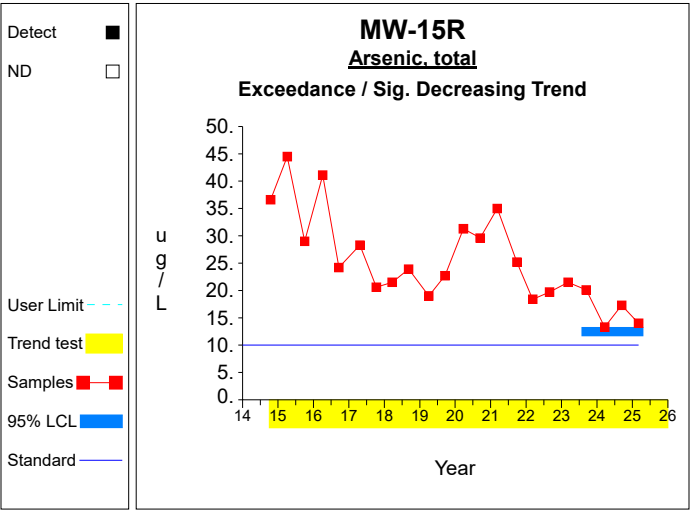


Graph 5

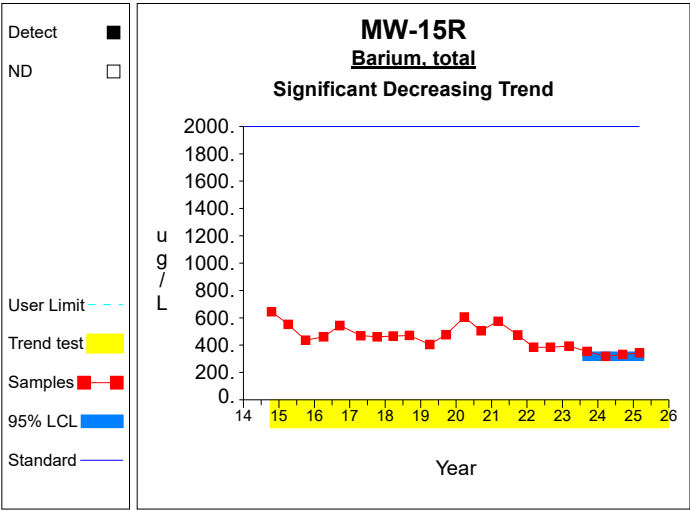


Graph 6

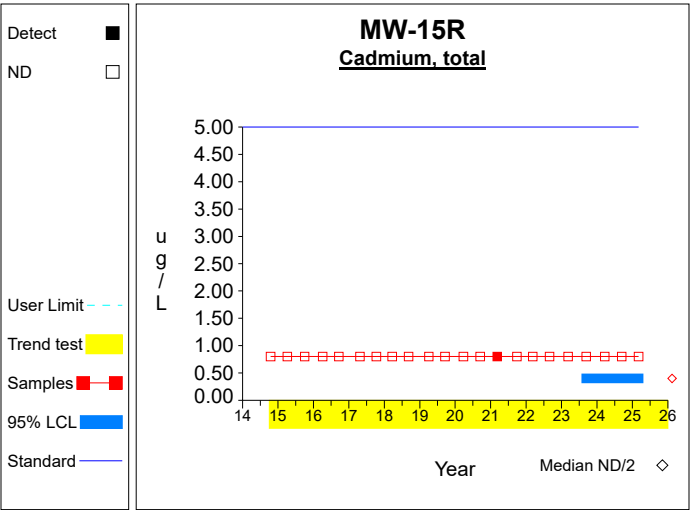
Confidence Limits (Assessment)



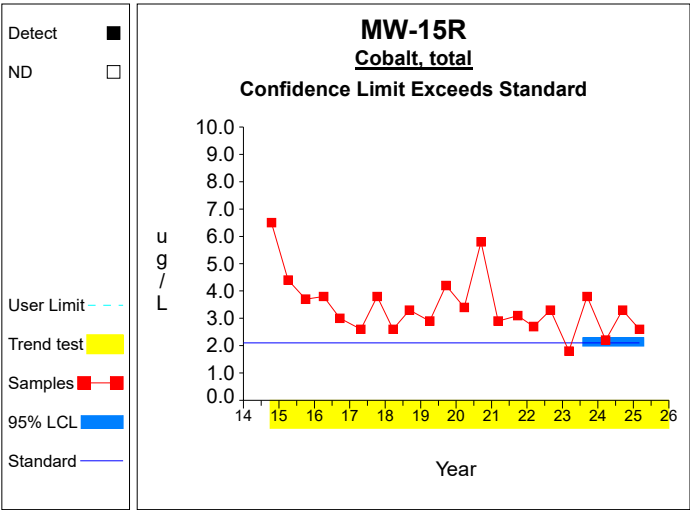
Graph 7



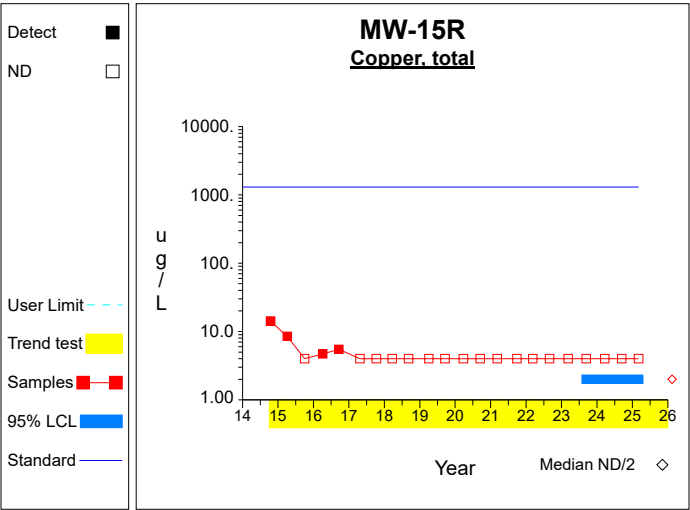
Graph 8



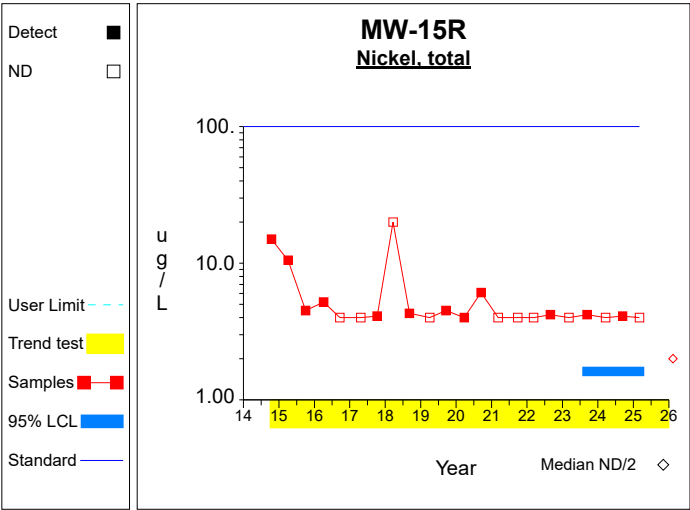
Graph 9



Graph 10

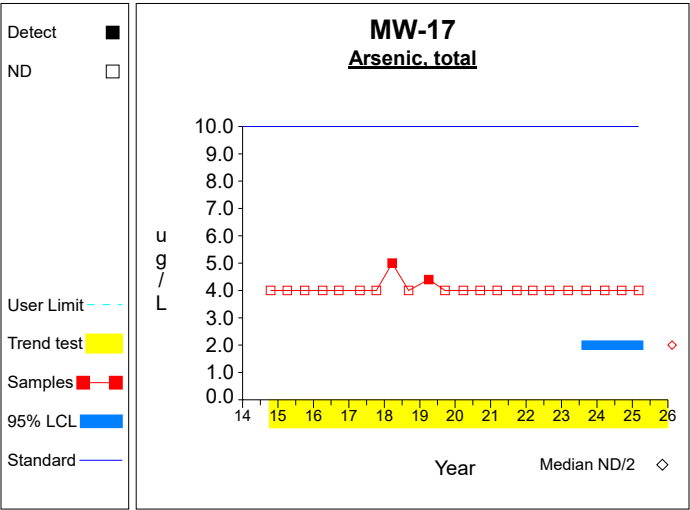


Graph 11

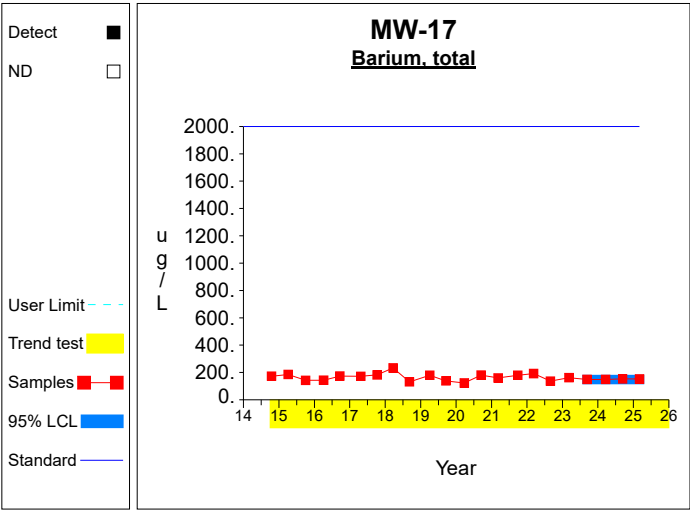


Graph 12

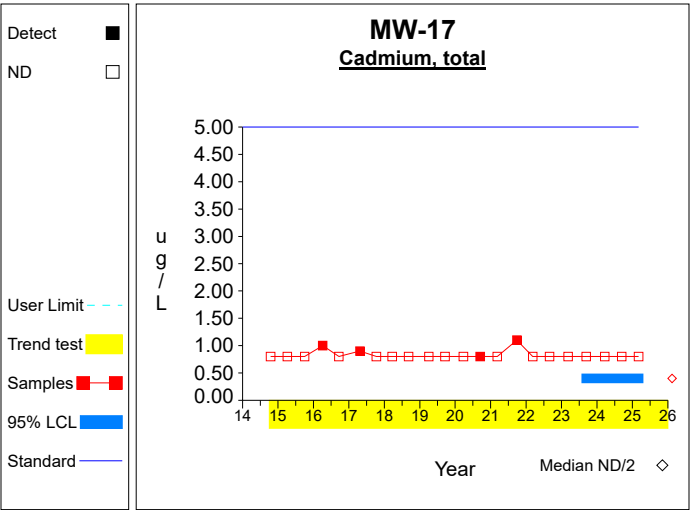
Confidence Limits (Assessment)



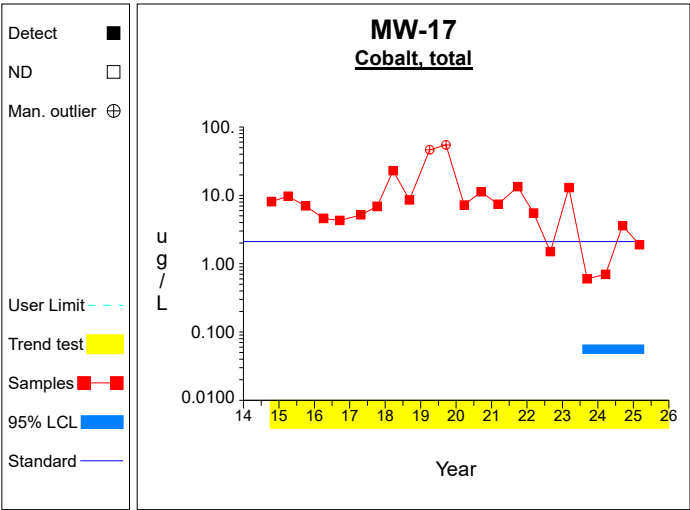
Graph 13



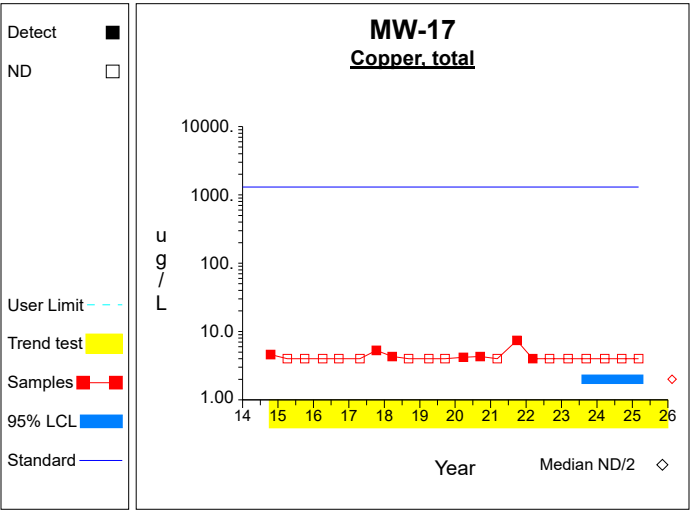
Graph 14



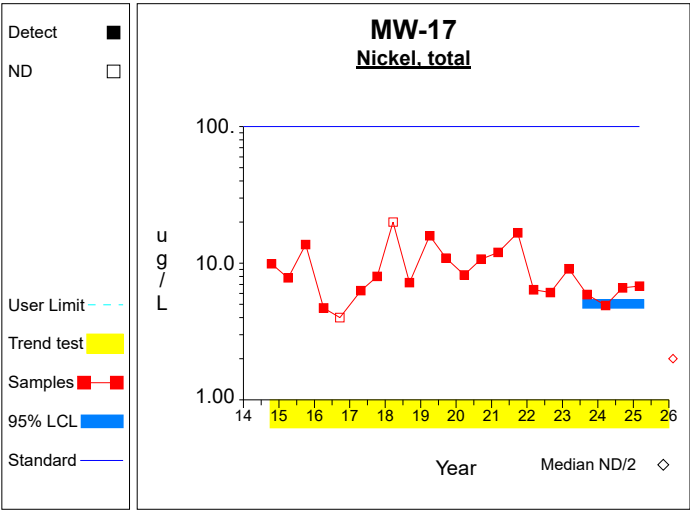
Graph 15



Graph 16

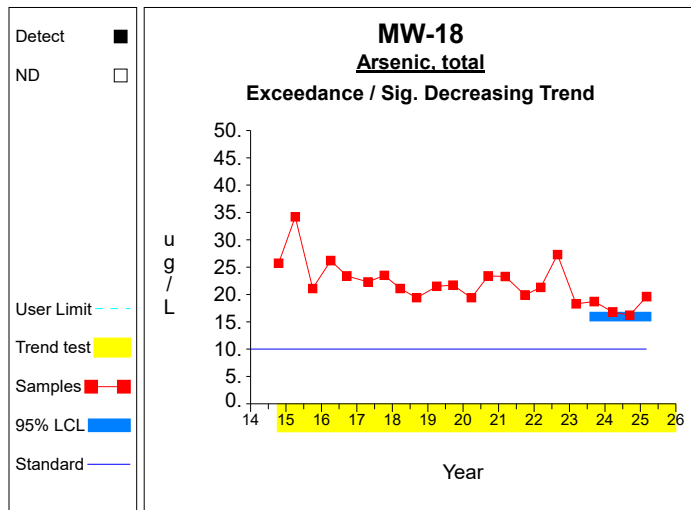


Graph 17

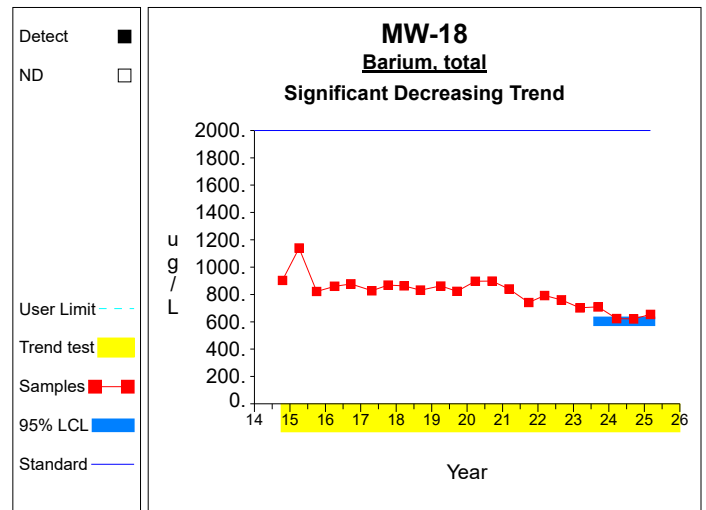


Graph 18

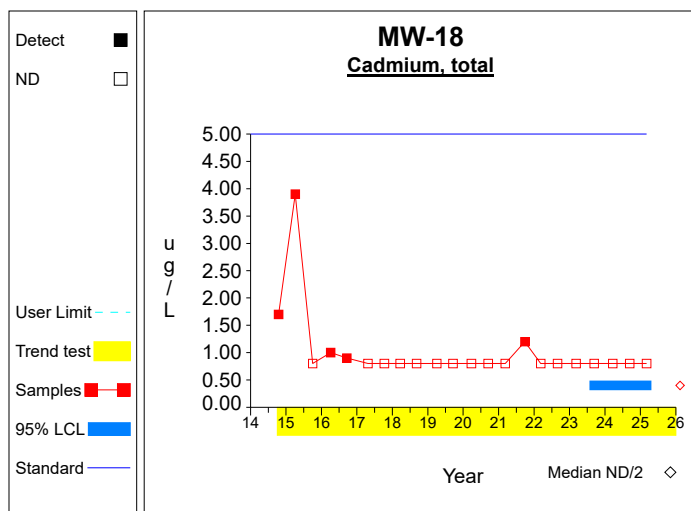
Confidence Limits (Assessment)



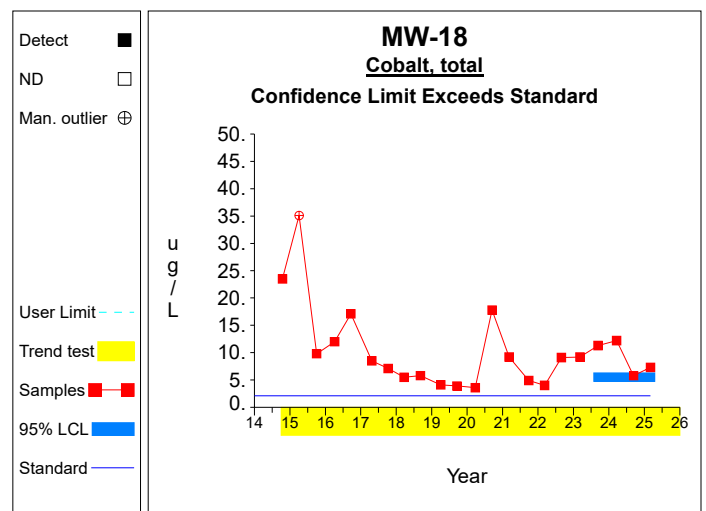
Graph 19



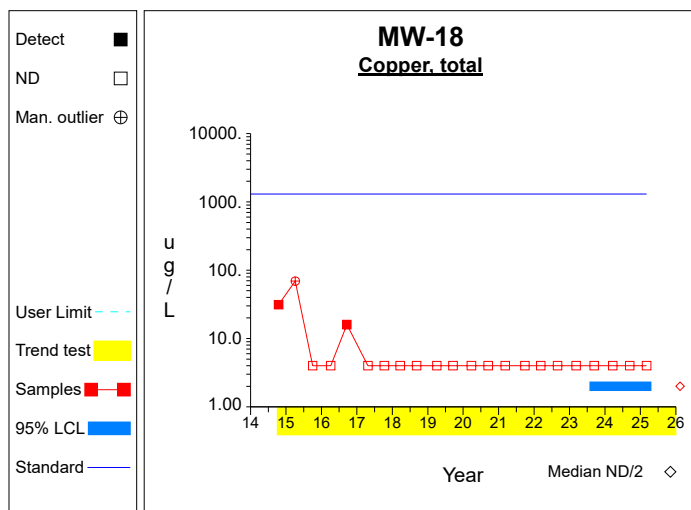
Graph 20



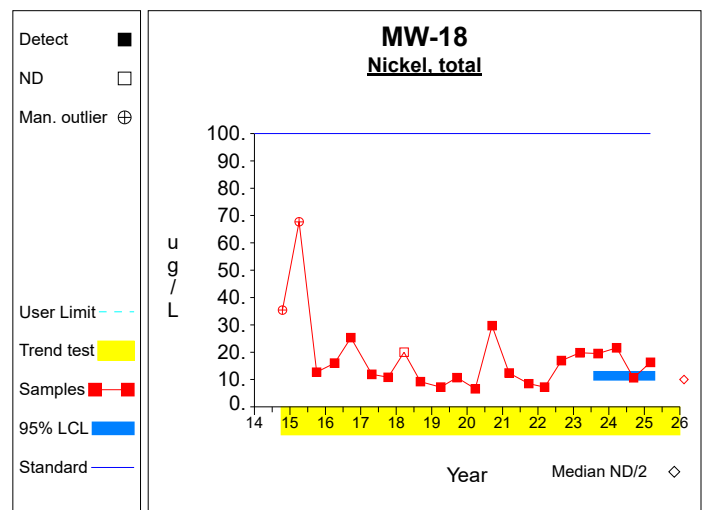
Graph 21



Graph 22

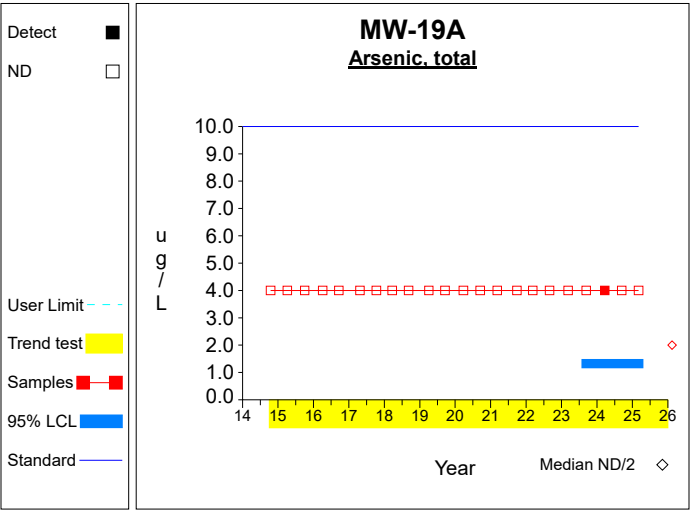


Graph 23

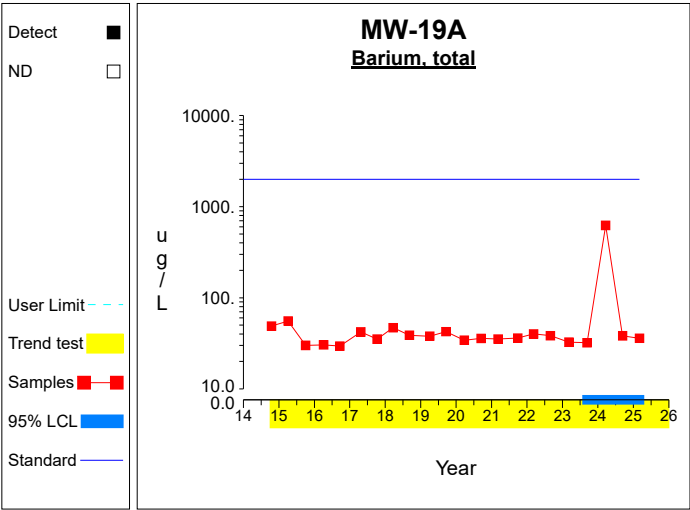


Graph 24

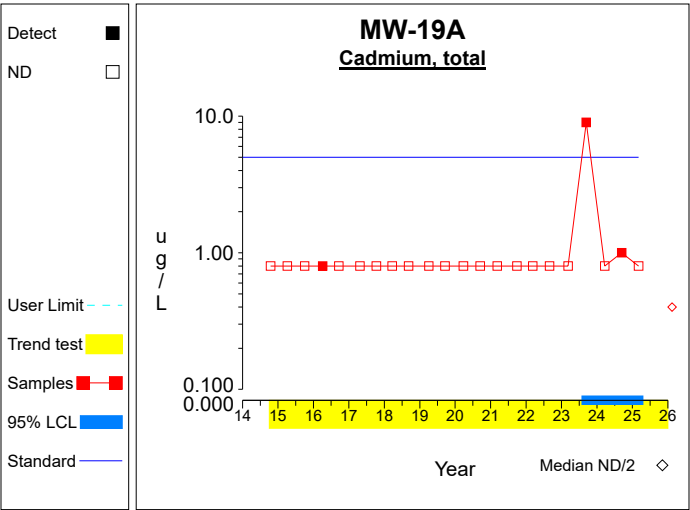
Confidence Limits (Assessment)



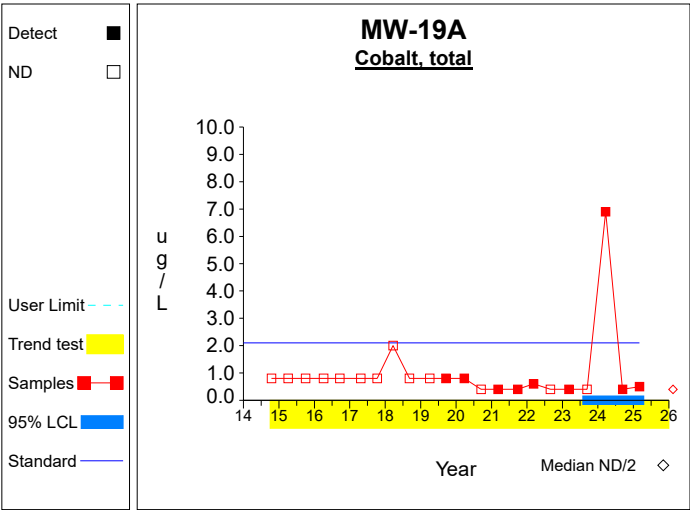
Graph 25



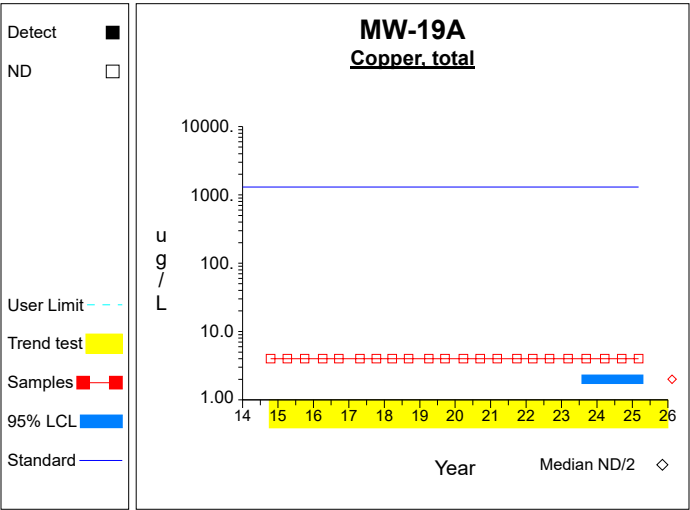
Graph 26



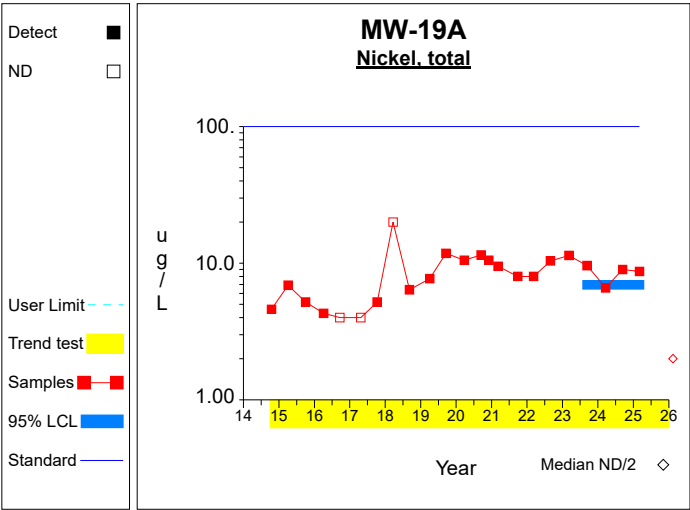
Graph 27



Graph 28

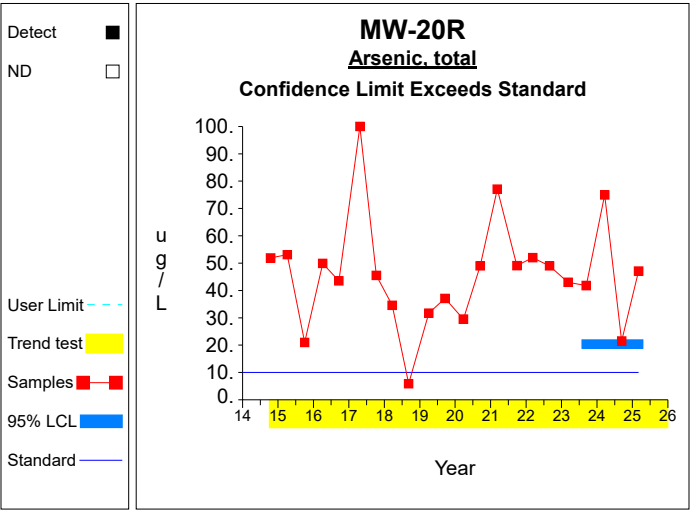


Graph 29

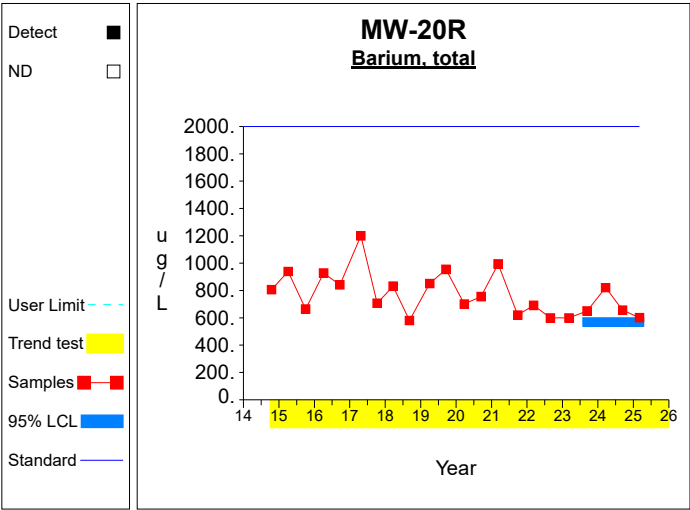


Graph 30

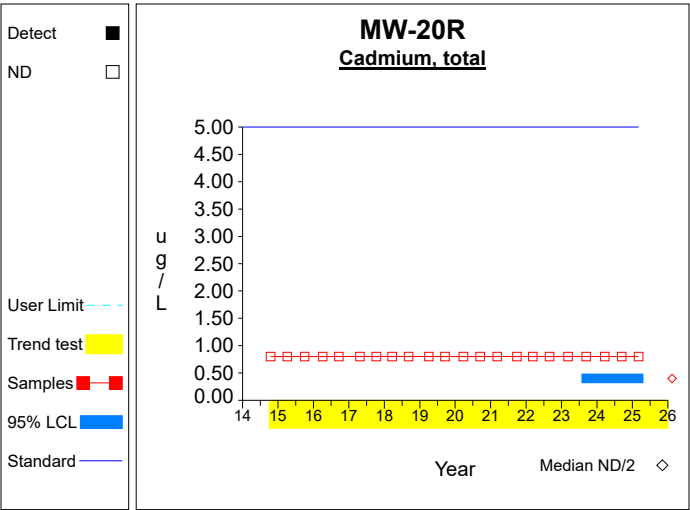
Confidence Limits (Assessment)



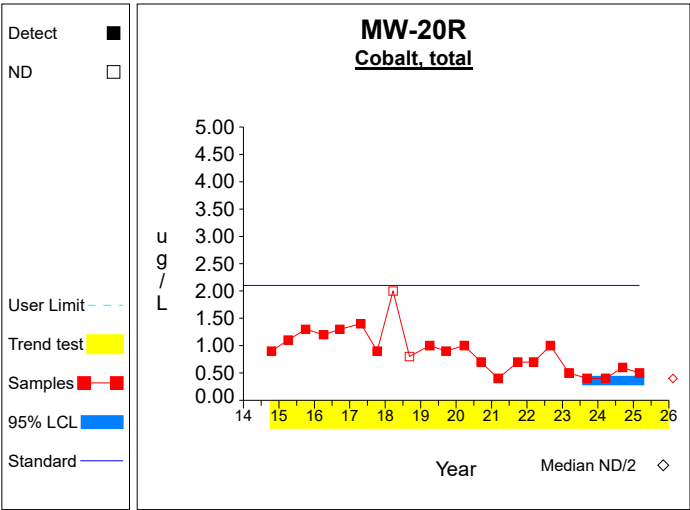
Graph 31



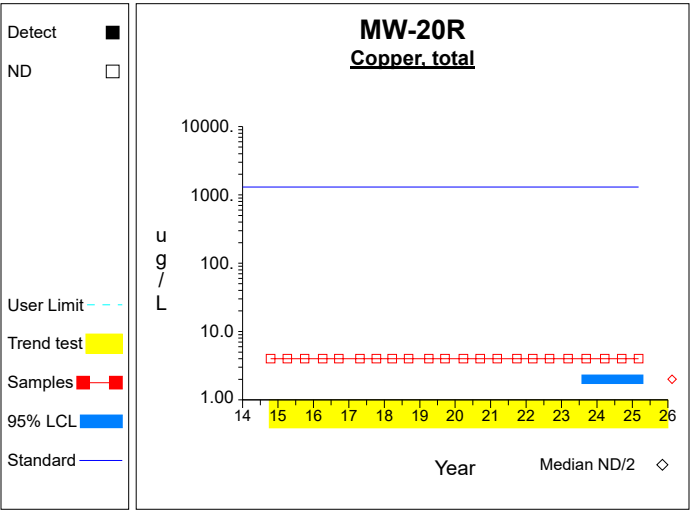
Graph 32



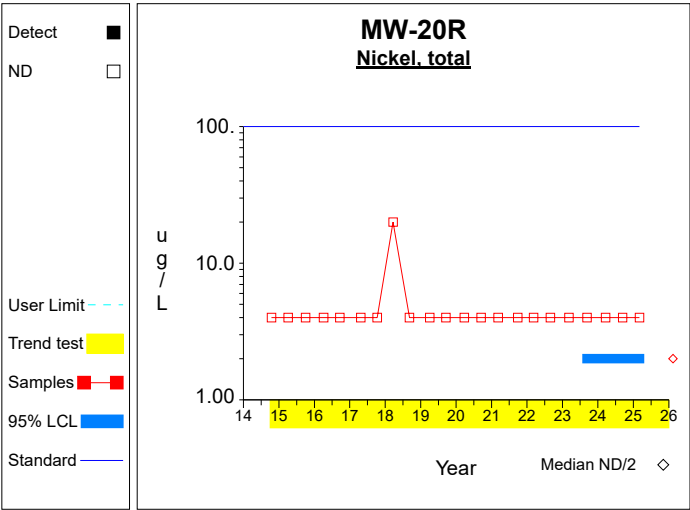
Graph 33



Graph 34

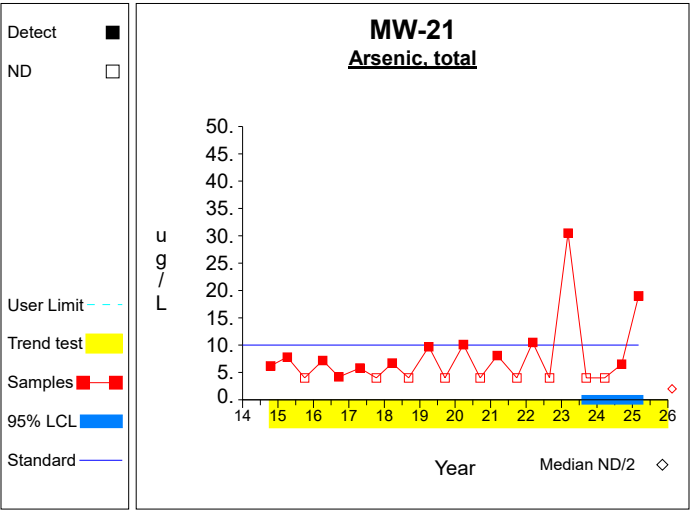


Graph 35

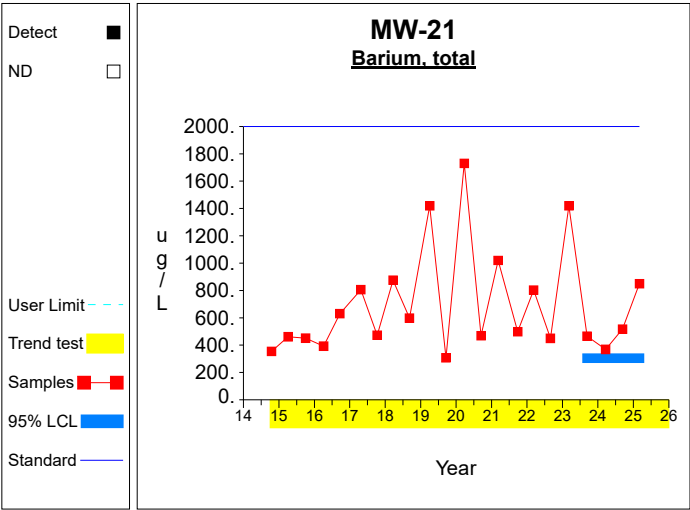


Graph 36

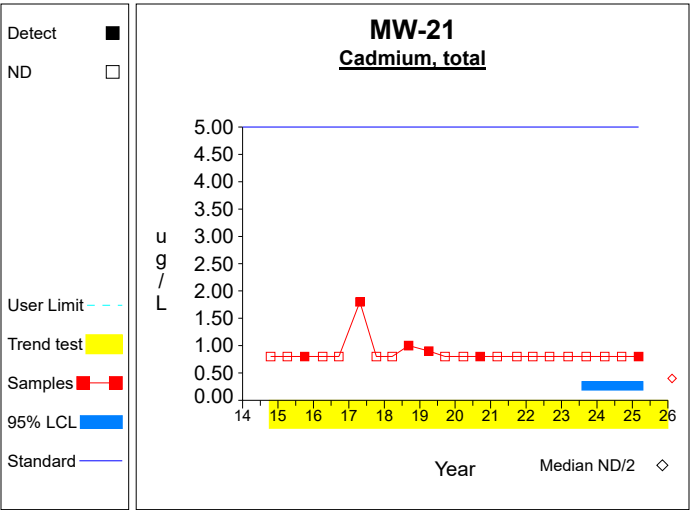
Confidence Limits (Assessment)



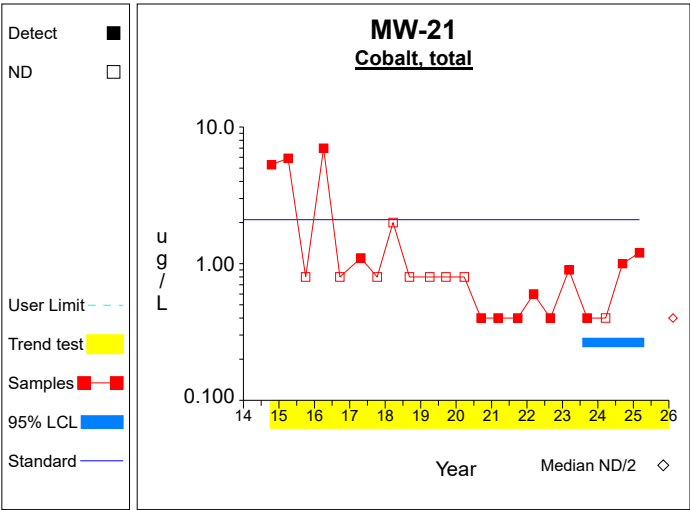
Graph 37



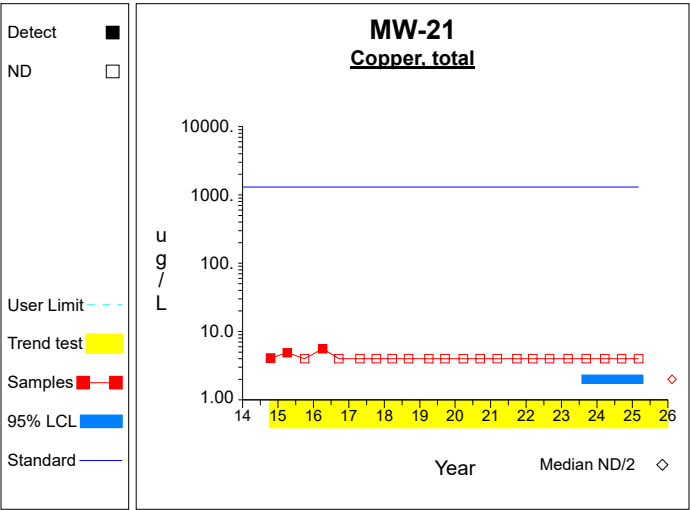
Graph 38



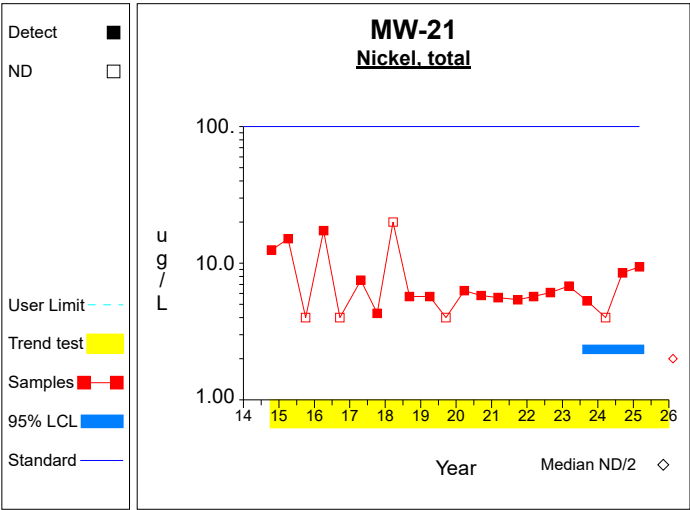
Graph 39



Graph 40

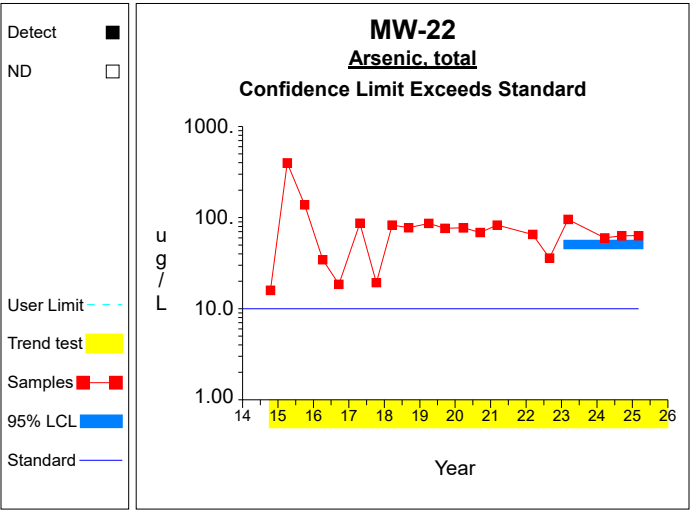


Graph 41

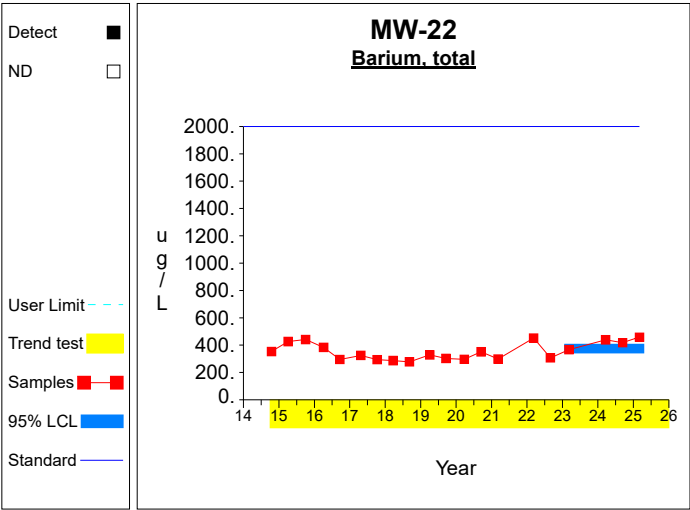


Graph 42

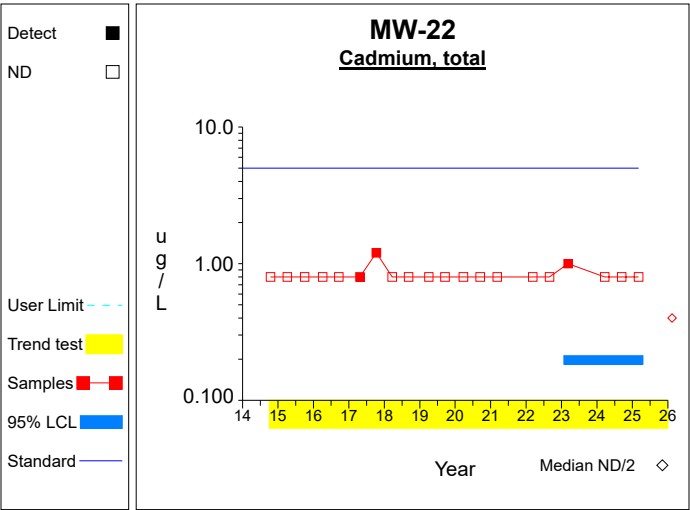
Confidence Limits (Assessment)



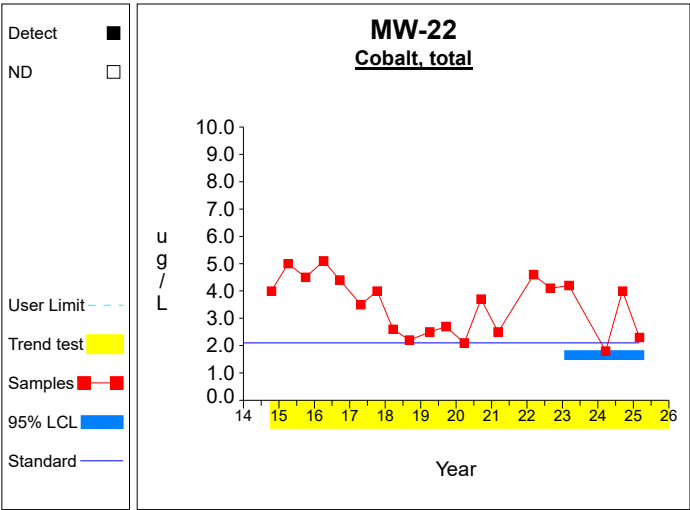
Graph 43



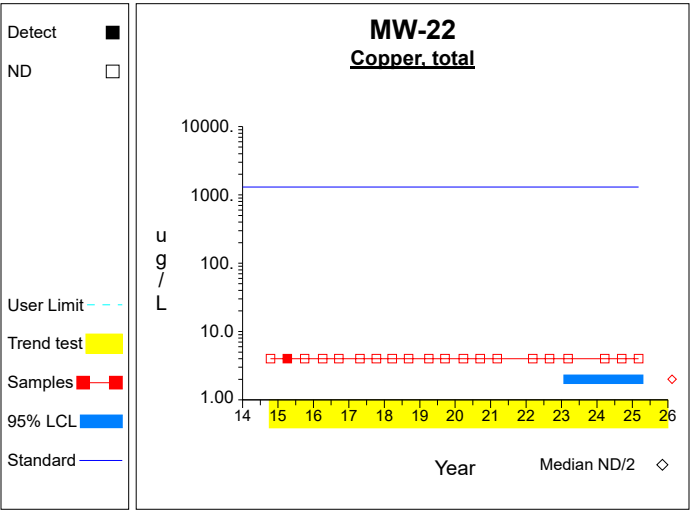
Graph 44



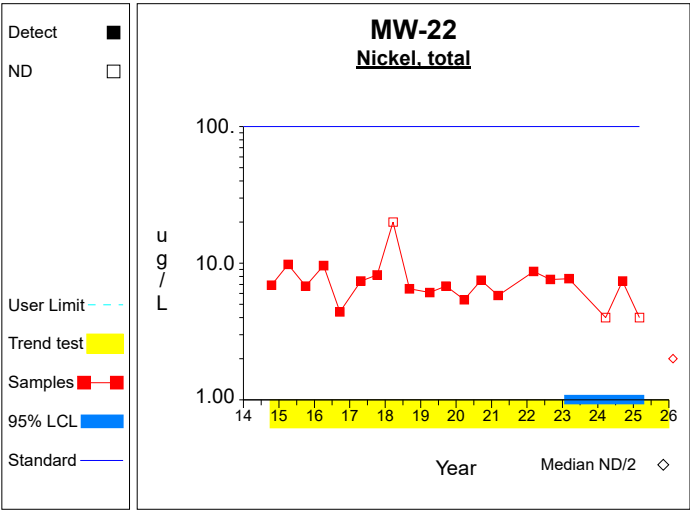
Graph 45



Graph 46

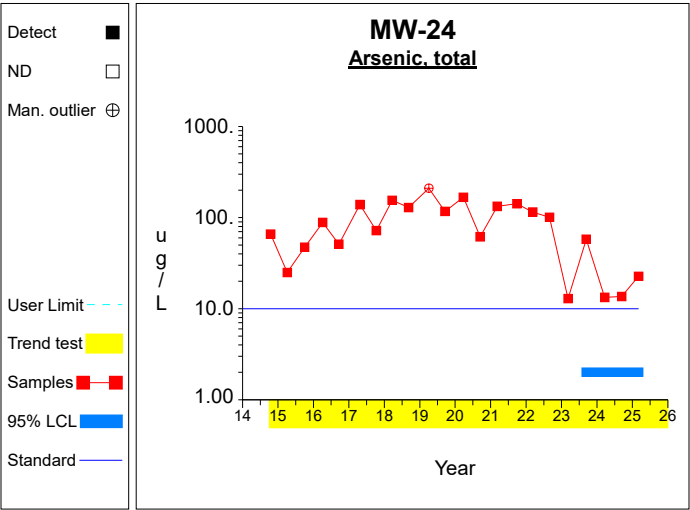


Graph 47

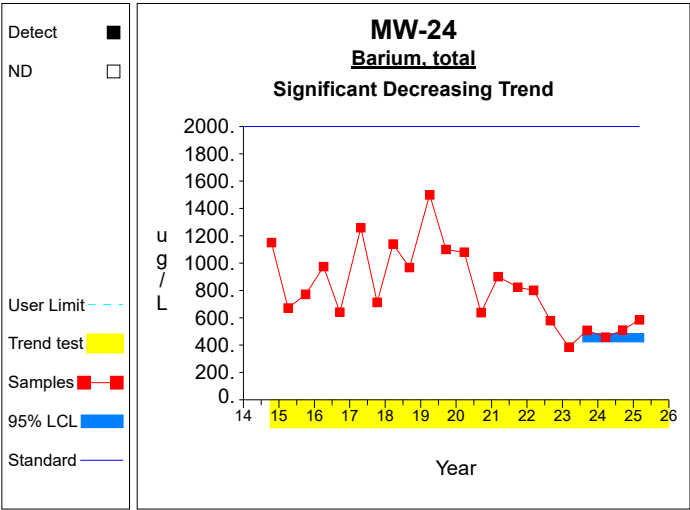


Graph 48

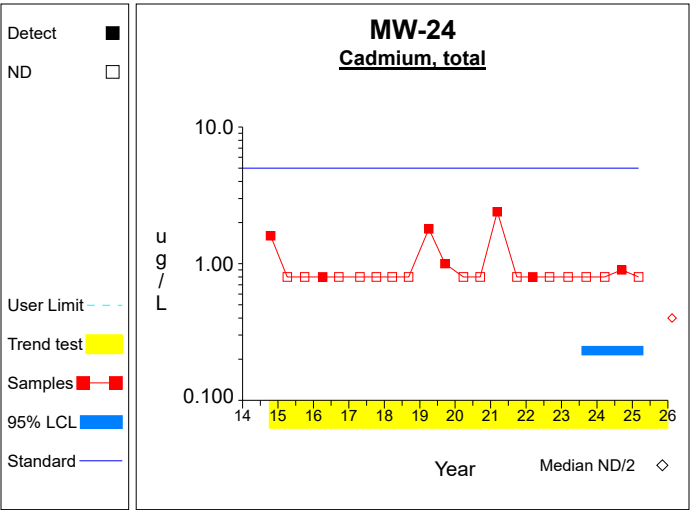
Confidence Limits (Assessment)



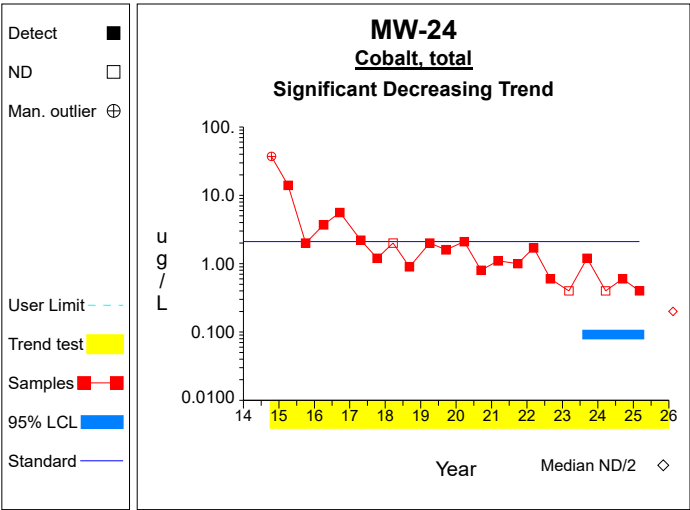
Graph 49



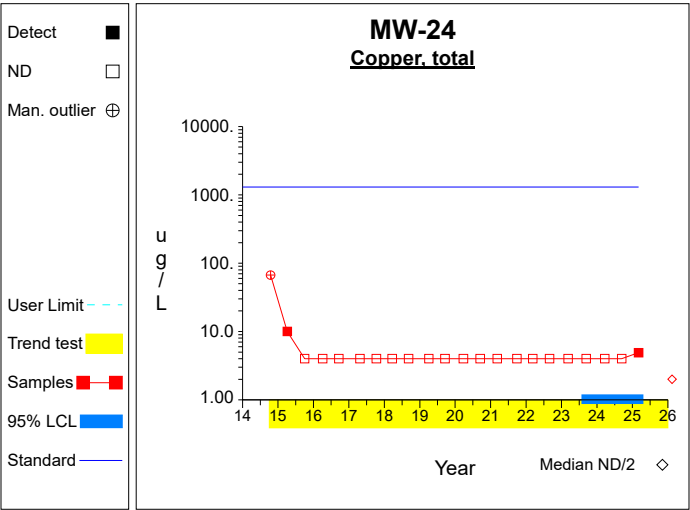
Graph 50



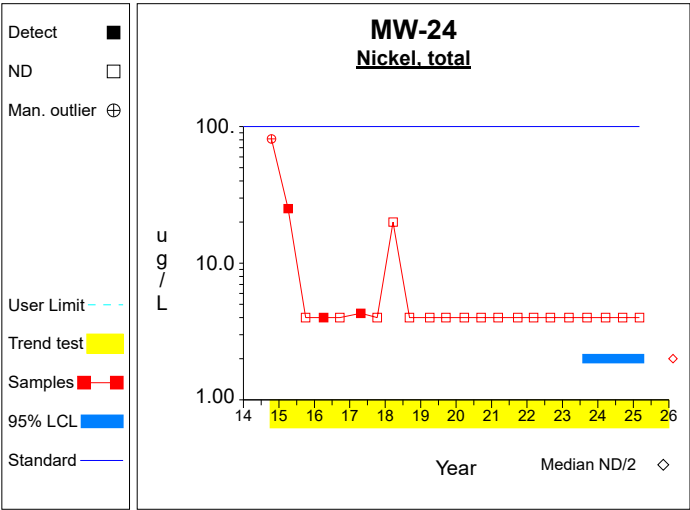
Graph 51



Graph 52

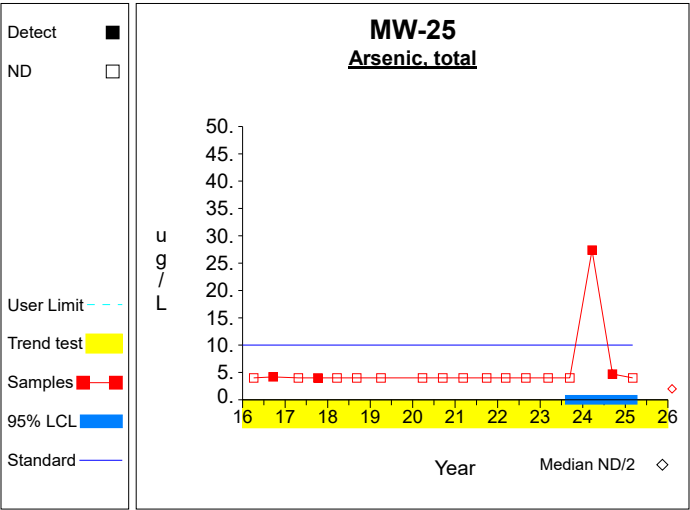


Graph 53

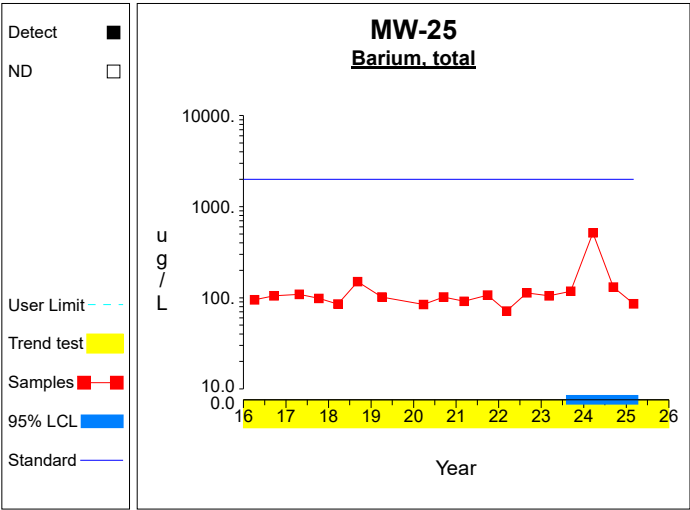


Graph 54

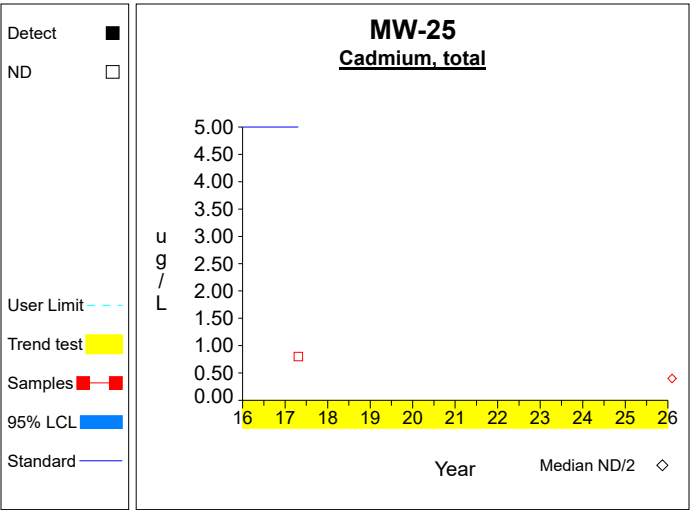
Confidence Limits (Assessment)



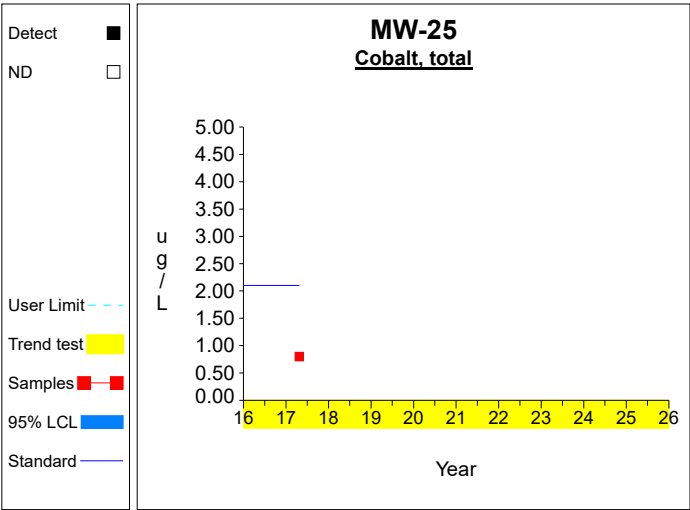
Graph 55



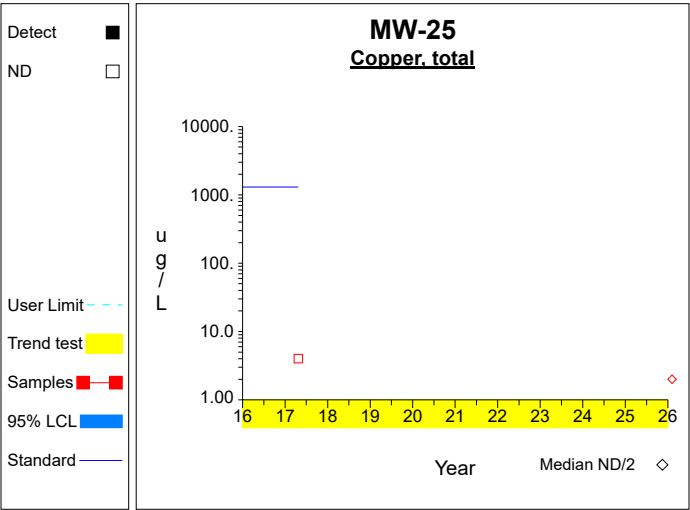
Graph 56



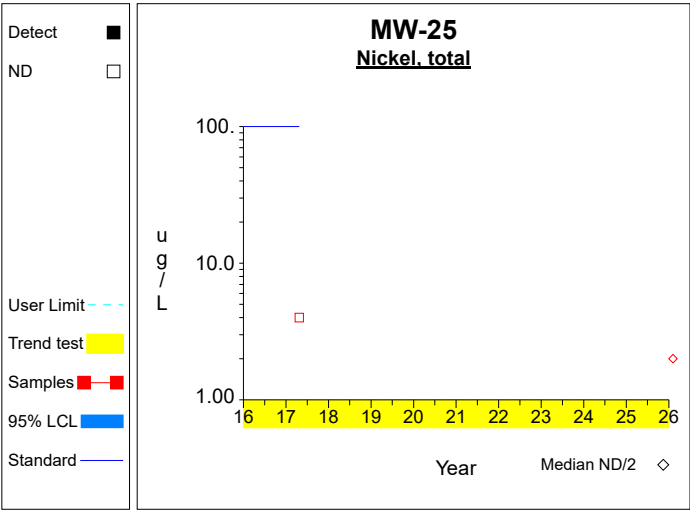
Graph 57



Graph 58

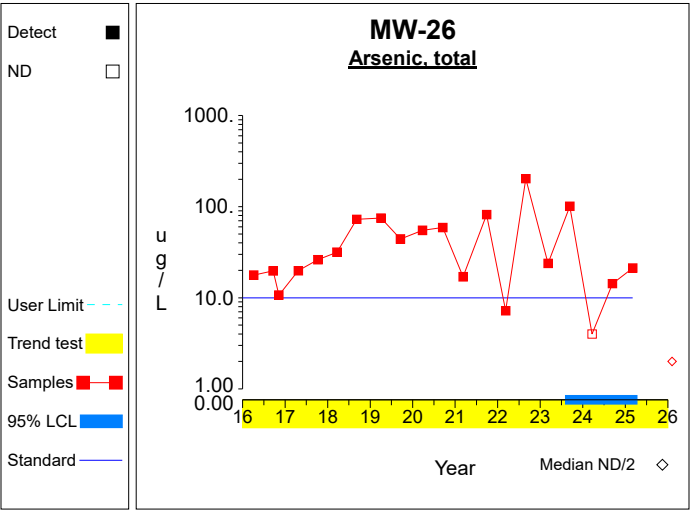


Graph 59

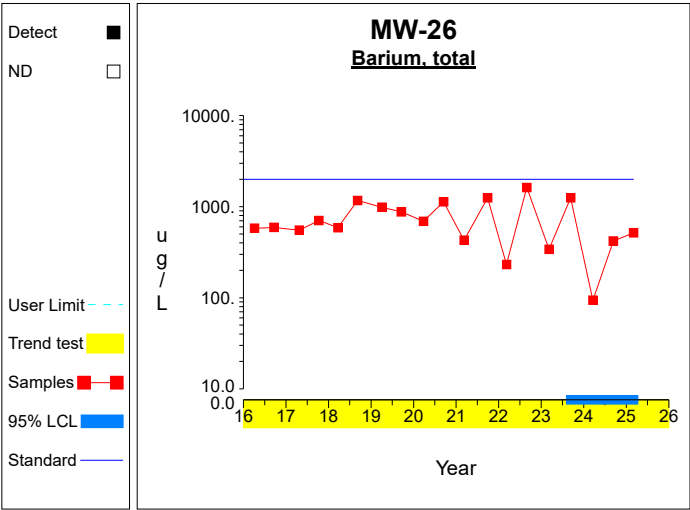


Graph 60

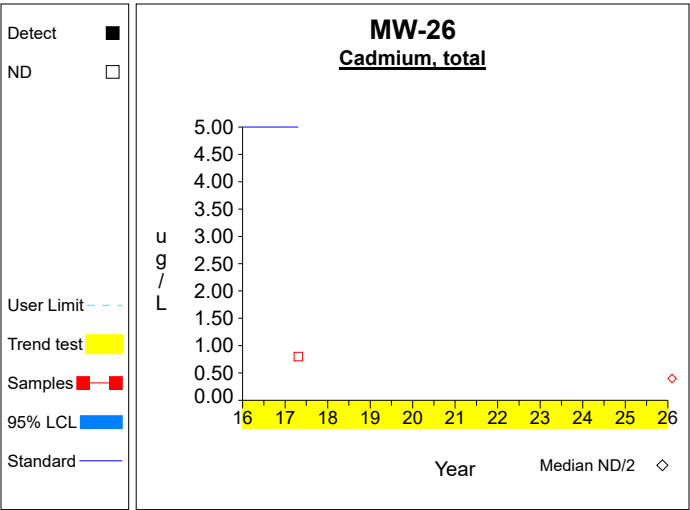
Confidence Limits (Assessment)



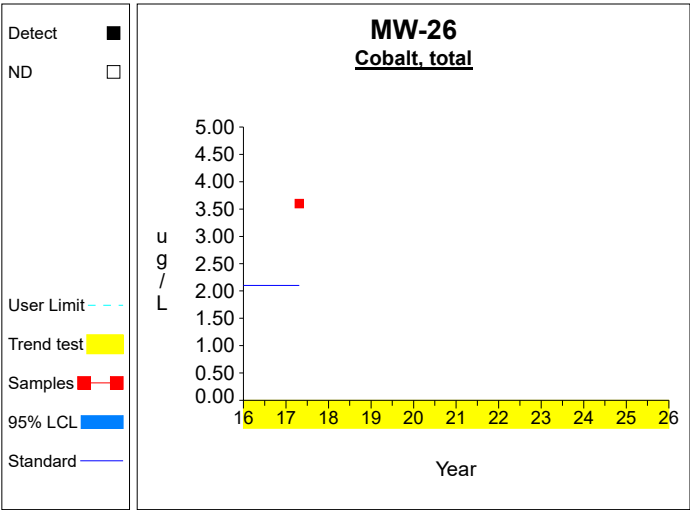
Graph 61



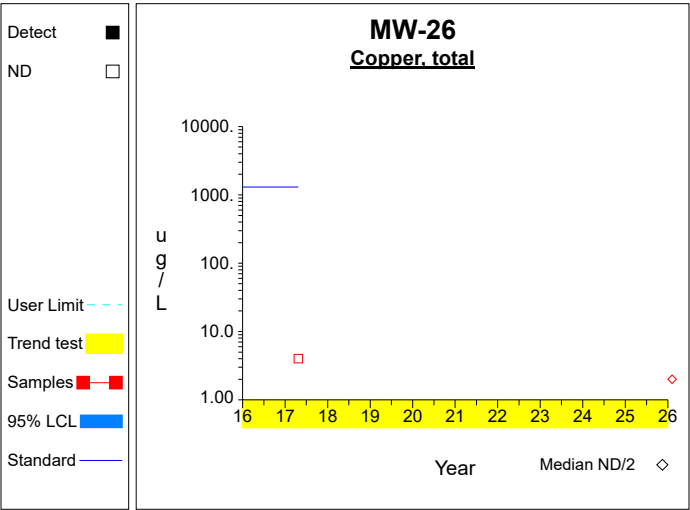
Graph 62



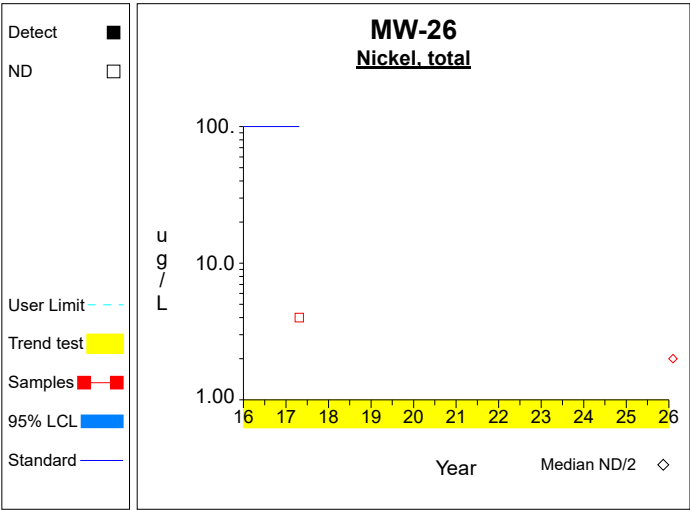
Graph 63



Graph 64

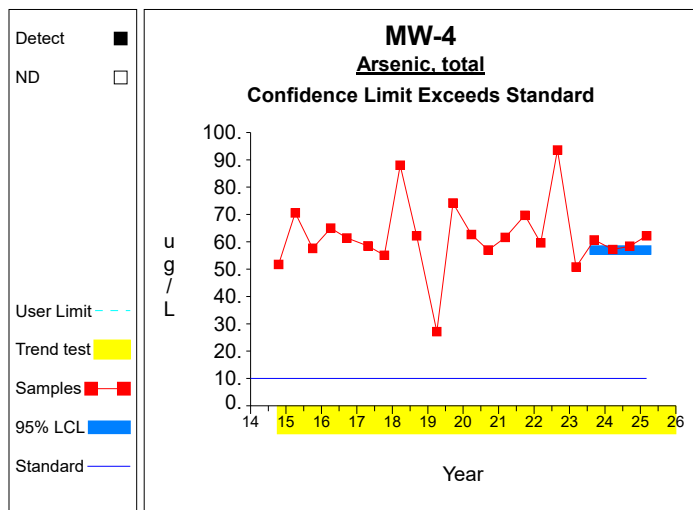


Graph 65

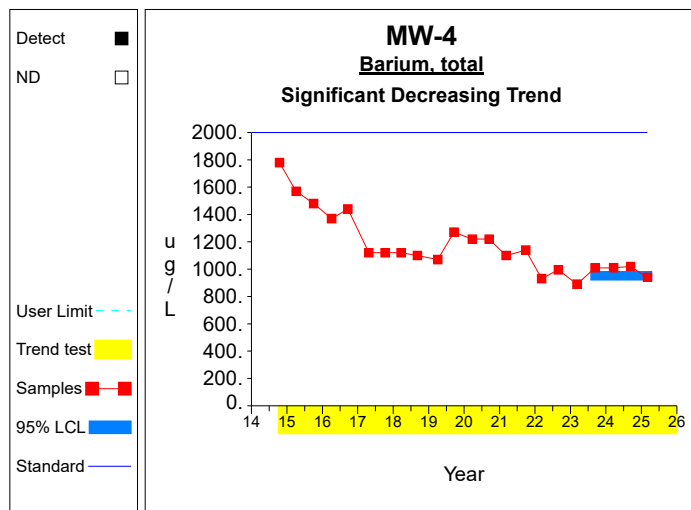


Graph 66

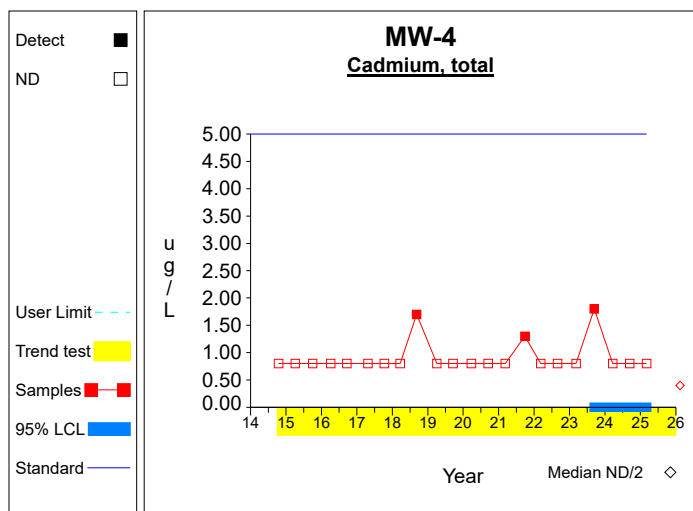
Confidence Limits (Assessment)



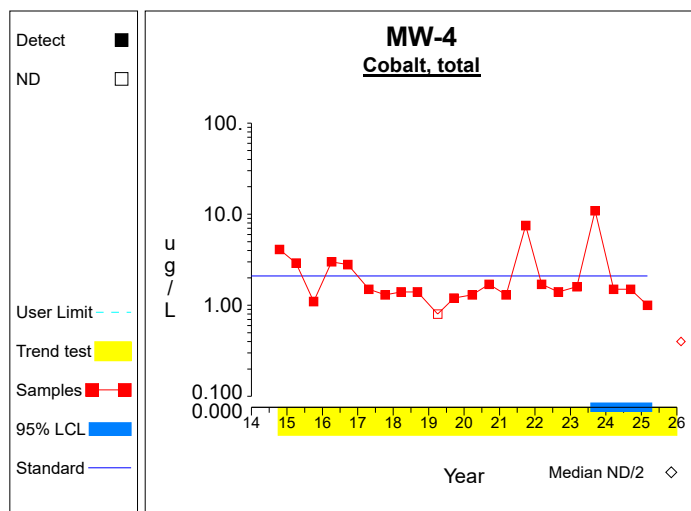
Graph 67



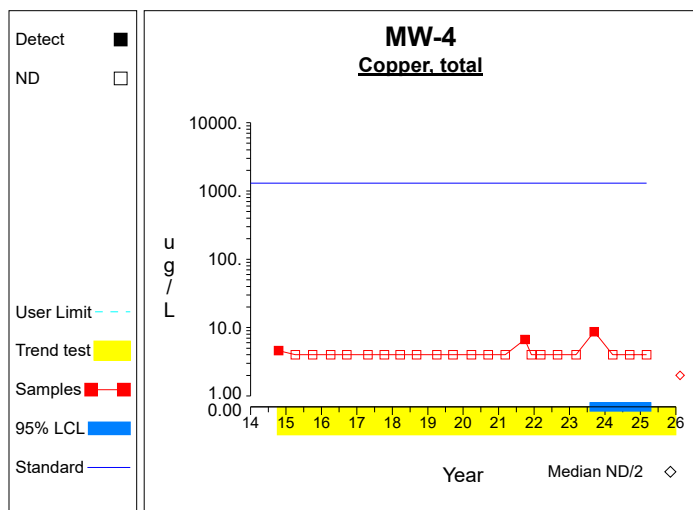
Graph 68



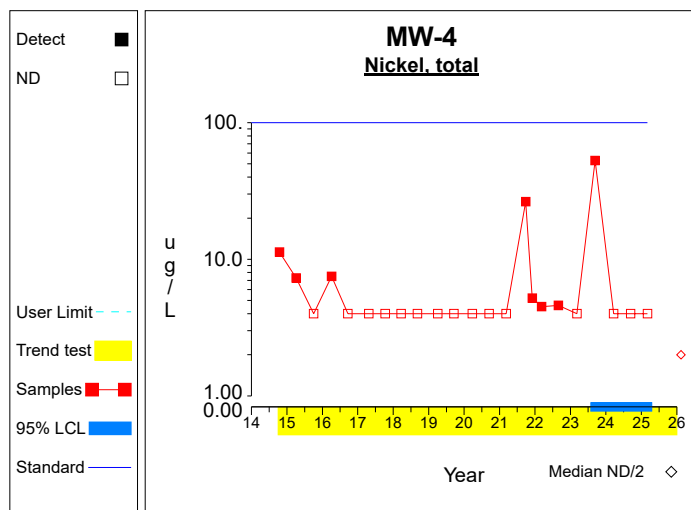
Graph 69



Graph 70

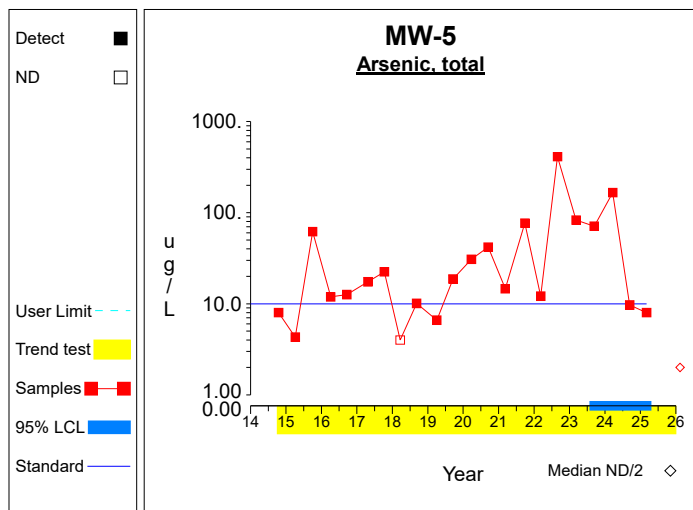


Graph 71

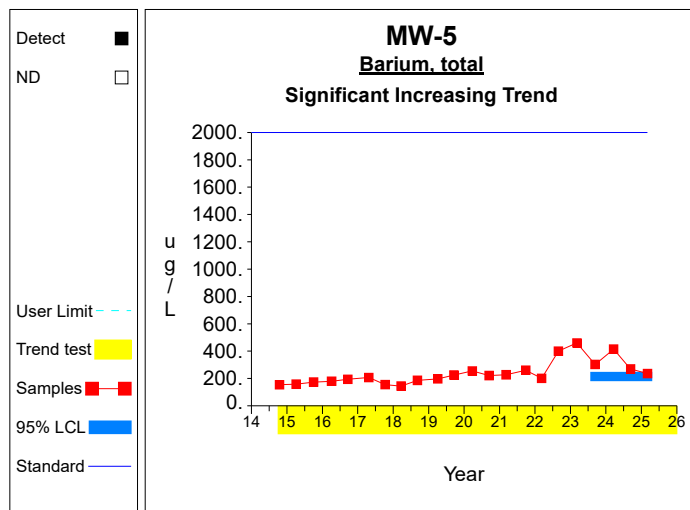


Graph 72

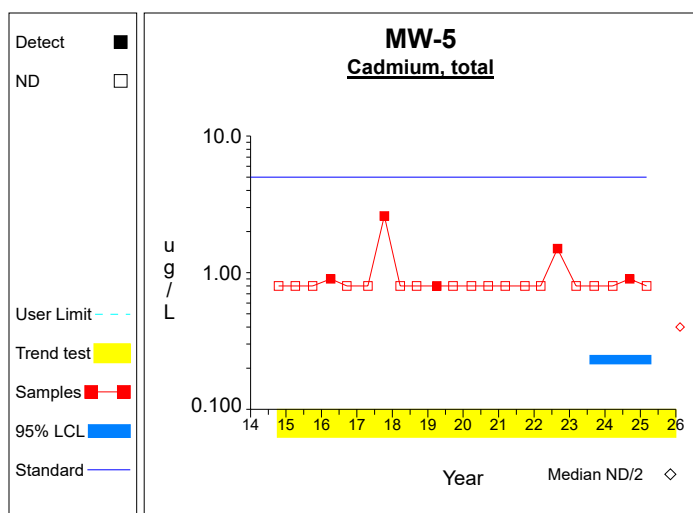
Confidence Limits (Assessment)



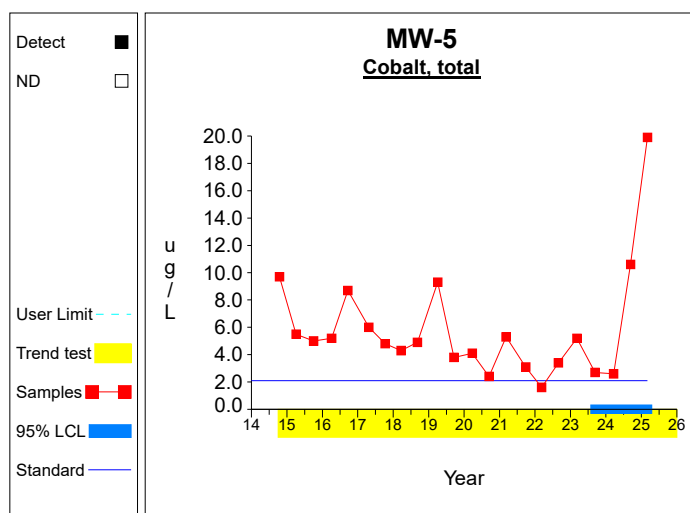
Graph 73



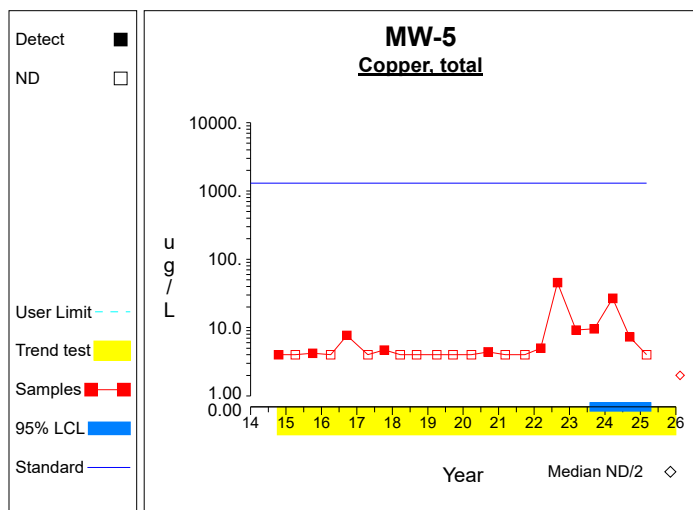
Graph 74



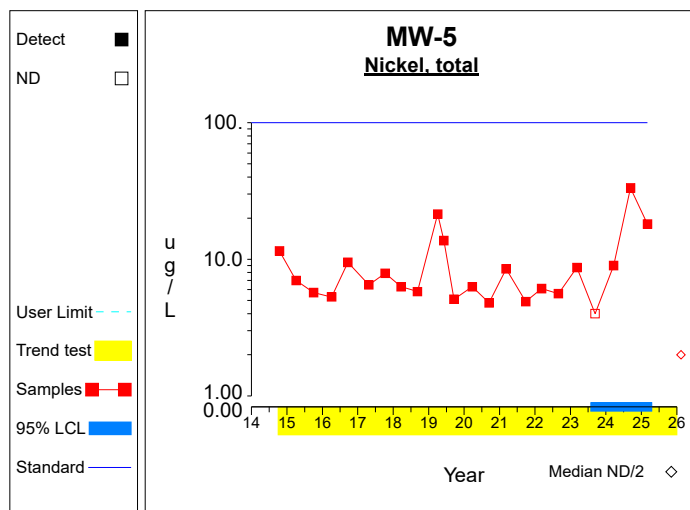
Graph 75



Graph 76

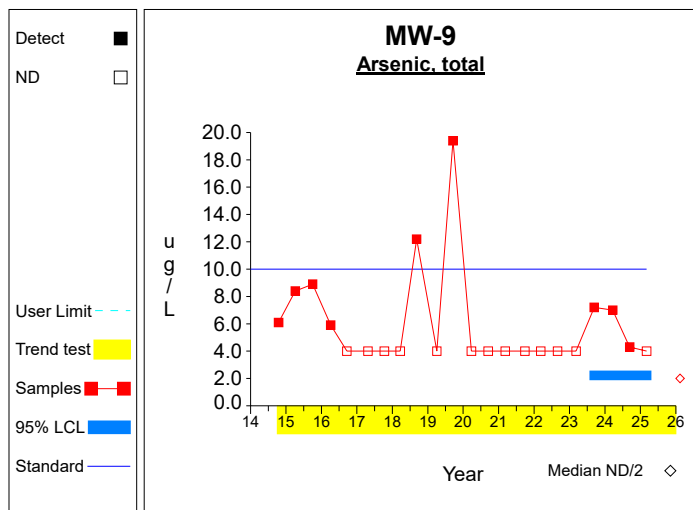


Graph 77

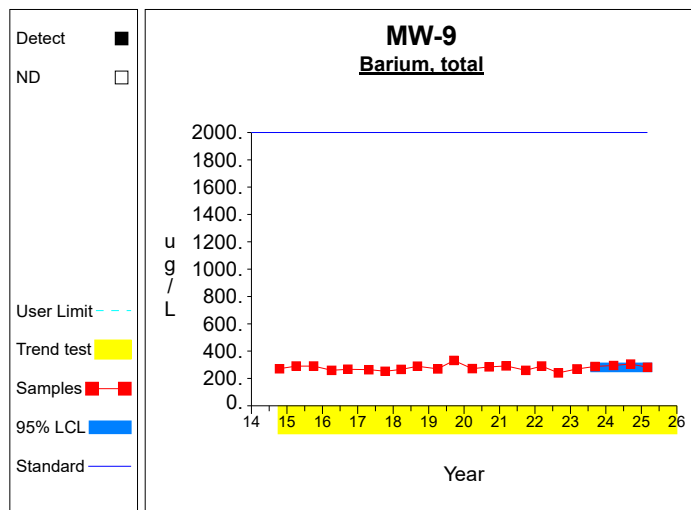


Graph 78

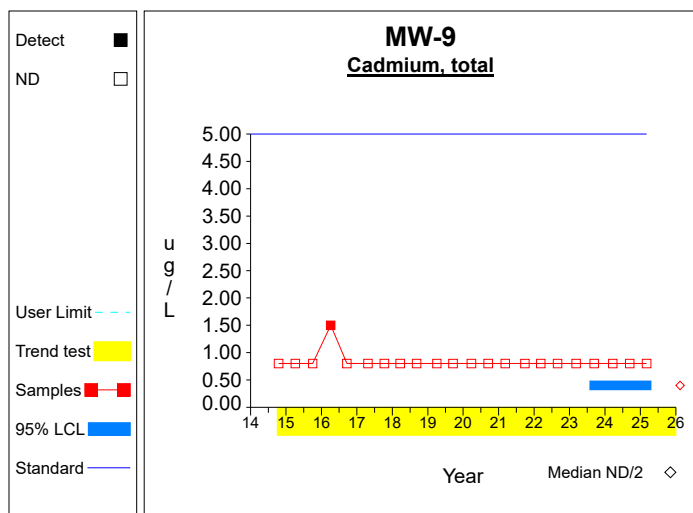
Confidence Limits (Assessment)



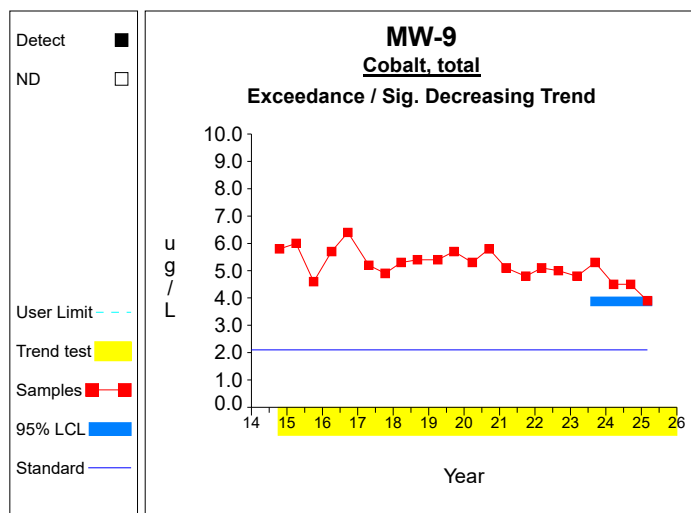
Graph 79



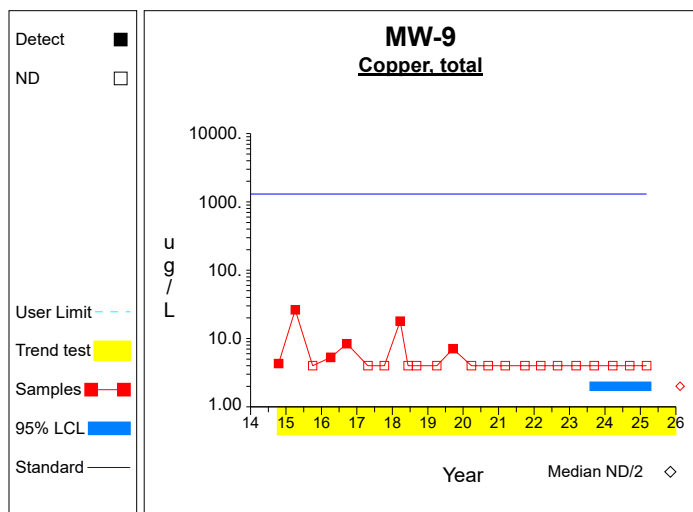
Graph 80



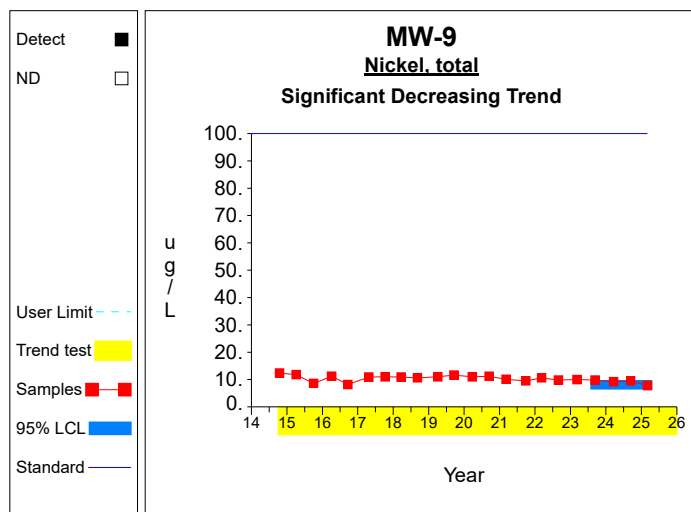
Graph 81



Graph 82



Graph 83



Graph 84

Attachment D

Summary Tables and Graphs for the Intrawell Comparisons

Table 1

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

Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Antimony, total	ug/L	MW-12	21	1	39			2.0000	2.0000			2.0000	nonpar	.99	**
Arsenic, total	ug/L	MW-12	22	1	40	7.5636	3.9883	5.6000	4.0000		7.5636	33.4873	normal		
Barium, total	ug/L	MW-12	21	1	39	376.8571	73.6181	310.0000	267.0000		376.8571	855.3750	normal		
Beryllium, total	ug/L	MW-12	21	1	39			4.0000	4.0000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	MW-12	21	1	39			0.8000	0.8000			1.6000	nonpar	.99	**
Chromium, total	ug/L	MW-12	21	1	39			8.0000	8.0000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	MW-12	21	1	39	5.1714	4.3931	1.1000	3.3000		5.1714	33.7264	normal		
Copper, total	ug/L	MW-12	21	1	39			4.0000	4.0000			6.3000	nonpar	.99	**
Lead, total	ug/L	MW-12	21	1	39			4.0000	4.0000			4.0000	nonpar	.99	**
Nickel, total	ug/L	MW-12	21	1	39	7.5952	4.2026	4.0000	6.4000		7.5952	34.9119	normal		
Selenium, total	ug/L	MW-12	21	1	39			4.0000	4.0000			4.0000	nonpar	.99	**
Silver, total	ug/L	MW-12	21	1	39			4.0000	4.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	MW-12	21	1	39			2.0000	2.0000			2.8000	nonpar	.99	**
Vanadium, total	ug/L	MW-12	21	1	39			20.0000	20.0000			20.0000	nonpar	.99	**
Zinc, total	ug/L	MW-12	20	1	39			20.0000	20.0000			27.2000	nonpar	.99	**
Antimony, total	ug/L	MW-15R	21	1	34			2.0000	2.0000			2.0000	nonpar	.99	**
Arsenic, total	ug/L	MW-15R	21	1	34	25.8476	8.1411	17.3000	14.0000		25.8476	78.7648	normal		
Barium, total	ug/L	MW-15R	21	1	34	462.3810	87.7904	332.0000	343.0000		462.3810	1033.0183	normal		
Beryllium, total	ug/L	MW-15R	21	1	34			4.0000	4.0000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	MW-15R	21	1	34			0.8000	0.8000			0.8000	nonpar	.99	**
Chromium, total	ug/L	MW-15R	21	1	34			8.0000	8.0000			13.7000	nonpar	.99	**
Cobalt, total	ug/L	MW-15R	21	1	34	3.4810	1.0953	3.3000	2.6000		3.4810	10.6002	normal		
Copper, total	ug/L	MW-15R	20	1	34			4.0000	4.0000			8.5000	nonpar	.99	**
Lead, total	ug/L	MW-15R	21	1	34			4.0000	4.0000			10.0000	nonpar	.99	**
Nickel, total	ug/L	MW-15R	19	1	34	4.6158	1.5200	4.1000	4.0000		4.6158	14.4956	normal		
Selenium, total	ug/L	MW-15R	21	1	34			4.0000	4.0000			4.0000	nonpar	.99	**
Silver, total	ug/L	MW-15R	21	1	34			4.0000	4.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	MW-15R	21	1	34			2.0000	2.0000			2.4000	nonpar	.99	**
Vanadium, total	ug/L	MW-15R	21	1	34			20.0000	20.0000			27.9000	nonpar	.99	**
Zinc, total	ug/L	MW-15R	21	1	34	24.2333	16.1080	20.0000	20.0000		24.2333	128.9351	normal		
Antimony, total	ug/L	MW-20R	21	1	34			2.0000	2.0000			2.0000	nonpar	.99	**
Arsenic, total	ug/L	MW-20R	21	1	34	45.7714	20.5420	21.5000	47.1000		45.7714	179.2943	normal		
Barium, total	ug/L	MW-20R	21	1	34	780.3333	159.7255	657.0000	601.0000		780.3333	1818.5490	normal		
Beryllium, total	ug/L	MW-20R	21	1	34			4.0000	4.0000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	MW-20R	21	1	34			0.8000	0.8000			0.8000	nonpar	.99	**
Chromium, total	ug/L	MW-20R	21	1	34			8.0000	8.0000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	MW-20R	21	1	34	0.8571	0.3026	0.6000	0.5000		0.8571	2.8241	normal		
Copper, total	ug/L	MW-20R	21	1	34			4.0000	4.0000			4.0000	nonpar	.99	**
Lead, total	ug/L	MW-20R	21	1	34			4.0000	4.0000			4.1000	nonpar	.99	**
Nickel, total	ug/L	MW-20R	20	1	34			4.0000	4.0000			4.0000	nonpar	.99	**
Selenium, total	ug/L	MW-20R	21	1	34			4.0000	4.0000			4.0000	nonpar	.99	**
Silver, total	ug/L	MW-20R	21	1	34			4.0000	4.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	MW-20R	21	1	34			2.0000	2.0000			2.0000	nonpar	.99	**
Vanadium, total	ug/L	MW-20R	21	1	34			20.0000	20.0000			20.0000	nonpar	.99	**
Zinc, total	ug/L	MW-20R	20	1	34	18.0700	3.8847	20.0000	20.0000		18.0700	43.3203	normal		
Antimony, total	ug/L	MW-21	21	1	34			2.0000	2.0000			2.0000	nonpar	.99	**

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

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

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

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

* - Insufficient Data.

** - Detection Frequency < 25%.

*** - Zero Variance.

Table 1

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

Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Arsenic, total	ug/L	MW-21	20	1	34	5.9400	2.2922	6.5000	19.0000		17.2809	20.8392	normal		
Barium, total	ug/L	MW-21	21	1	34	690.8095	397.5660	517.0000	850.0000		690.8095	3274.9888	normal		
Beryllium, total	ug/L	MW-21	21	1	34			4.0000	4.0000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	MW-21	21	1	34			0.8000	0.8000			1.8000	nonpar	.99	**
Chromium, total	ug/L	MW-21	21	1	34			8.0000	8.0000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	MW-21	21	1	34	1.4762	1.9504	1.0000	1.2000		1.4762	14.1535	normal		
Copper, total	ug/L	MW-21	21	1	34			4.0000	4.0000			5.6000	nonpar	.99	**
Lead, total	ug/L	MW-21	21	1	34			4.0000	4.0000			4.0000	nonpar	.99	**
Nickel, total	ug/L	MW-21	21	1	34	6.8381	3.6841	8.5000	9.4000		6.8381	30.7846	normal		
Selenium, total	ug/L	MW-21	21	1	34			4.0000	4.0000			4.0000	nonpar	.99	**
Silver, total	ug/L	MW-21	21	1	34			4.0000	4.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	MW-21	21	1	34			2.0000	2.0000			2.0000	nonpar	.99	**
Vanadium, total	ug/L	MW-21	21	1	34			20.0000	20.0000			20.0000	nonpar	.99	**
Zinc, total	ug/L	MW-21	21	1	34			20.0000	20.0000			38.3000	nonpar	.99	**
Antimony, total	ug/L	MW-22	19	1	31			2.0000	2.0000			2.0000	nonpar	.99	**
Arsenic, total	ug/L	MW-22	19	1	31	83.2789	82.0819	63.1000	63.4000		83.2789	616.8113	normal		
Barium, total	ug/L	MW-22	19	1	31	349.5263	59.8808	418.0000	458.0000		413.0894	738.7514	normal		
Beryllium, total	ug/L	MW-22	19	1	31			4.0000	4.0000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	MW-22	19	1	31			0.8000	0.8000			1.2000	nonpar	.99	**
Chromium, total	ug/L	MW-22	19	1	31			8.0000	8.0000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	MW-22	19	1	31	3.5526	1.0384	4.0000	2.3000		3.5526	10.3020	normal		
Copper, total	ug/L	MW-22	19	1	31			4.0000	4.0000			4.0000	nonpar	.99	**
Lead, total	ug/L	MW-22	19	1	31			4.0000	4.0000			4.0000	nonpar	.99	**
Nickel, total	ug/L	MW-22	19	1	31	6.8737	1.6659	7.4000	4.0000		6.8737	17.7023	normal		
Selenium, total	ug/L	MW-22	19	1	31			4.0000	4.0000			4.0000	nonpar	.99	**
Silver, total	ug/L	MW-22	19	1	31			4.0000	4.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	MW-22	19	1	31			2.0000	2.0000			2.0000	nonpar	.99	**
Vanadium, total	ug/L	MW-22	19	1	31			20.0000	20.0000			20.0000	nonpar	.99	**
Zinc, total	ug/L	MW-22	19	1	31			8.0000	20.0000			37.0000	nonpar	.99	**
Antimony, total	ug/L	MW-4	21	1	38			2.0000	2.0000			2.0000	nonpar	.99	**
Arsenic, total	ug/L	MW-4	21	1	38	62.0333	13.3489	58.4000	62.2000		62.0333	148.8015	normal		
Barium, total	ug/L	MW-4	21	1	38	1189.3333	225.4215	1020.0000	940.0000		1189.3333	2654.5728	normal		
Beryllium, total	ug/L	MW-4	21	1	38			4.0000	4.0000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	MW-4	21	1	38			0.8000	0.8000			1.8000	nonpar	.99	**
Chromium, total	ug/L	MW-4	20	1	38			8.0000	8.0000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	MW-4	21	1	38	2.4714	2.4309	1.5000	1.0000		2.4714	18.2721	normal		
Copper, total	ug/L	MW-4	22	1	39			4.0000	4.0000			8.7000	nonpar	.99	**
Lead, total	ug/L	MW-4	21	1	38			4.0000	4.0000			4.0000	nonpar	.99	**
Nickel, total	ug/L	MW-4	20	1	39	4.8200	1.8501	4.0000	4.0000		4.8200	16.8454	normal		
Selenium, total	ug/L	MW-4	21	1	38			4.0000	4.0000			4.0000	nonpar	.99	**
Silver, total	ug/L	MW-4	21	1	38			4.0000	4.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	MW-4	21	1	38			2.0000	2.0000			2.0000	nonpar	.99	**
Vanadium, total	ug/L	MW-4	21	1	38			20.0000	20.0000			20.0000	nonpar	.99	**
Zinc, total	ug/L	MW-4	21	1	38	30.1905	26.4905	20.0000	20.0000		30.1905	202.3788	normal		
Antimony, total	ug/L	MW-5	21	1	39			2.0000	2.0000			2.0000	nonpar	.99	**
Arsenic, total	ug/L	MW-5	21	1	39	52.1810	91.2785	9.7000	8.0000		52.1810	645.4913	normal		

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

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

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

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

* - Insufficient Data.

** - Detection Frequency < 25%.

*** - Zero Variance.

Table 1

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

Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Barium, total	ug/L	MW-5	21	1	39	237.2857	89.0686	269.0000	236.0000		237.2857	816.2316	normal		
Beryllium, total	ug/L	MW-5	21	1	39			4.0000	4.0000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	MW-5	20	1	39			0.9000	0.8000			1.5000	nonpar	.99	**
Chromium, total	ug/L	MW-5	21	1	39			8.0000	8.0000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	MW-5	21	1	39	5.1524	2.4989	10.6000	19.9000		18.0258	21.3954	normal		
Copper, total	ug/L	MW-5	19	1	39	5.0579	1.8769	7.3000	4.0000		5.0579	17.2574	normal		
Lead, total	ug/L	MW-5	21	1	39			4.0000	4.0000			4.0000	nonpar	.99	**
Nickel, total	ug/L	MW-5	22	1	40	8.9500	6.6498	33.3000	18.1000		13.1127	52.1737	normal		
Selenium, total	ug/L	MW-5	21	1	39			4.0000	4.0000			4.0000	nonpar	.99	**
Silver, total	ug/L	MW-5	21	1	39			4.0000	4.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	MW-5	21	1	39			2.0000	2.0000			2.0000	nonpar	.99	**
Vanadium, total	ug/L	MW-5	21	1	39			20.0000	20.0000			20.0000	nonpar	.99	**
Zinc, total	ug/L	MW-5	20	1	39			20.0000	20.0000			21.1000	nonpar	.99	**

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

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

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

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

* - Insufficient Data.

** - Detection Frequency < 25%.

*** - Zero Variance.

Table 4

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

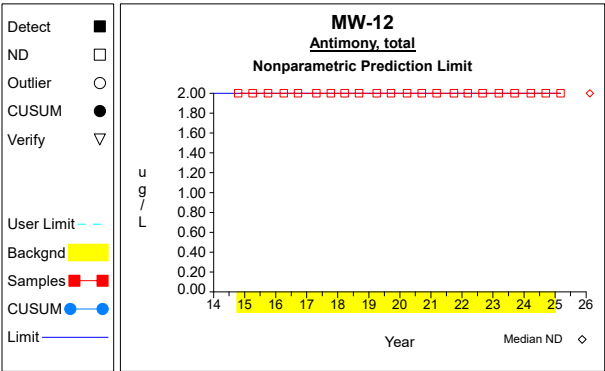
Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Zinc, total	ug/L	MW-12	09/07/2018	98.8000		10/16/2014-09/12/2024	21	0.5263
Copper, total	ug/L	MW-15R	10/16/2014	14.2000		10/16/2014-09/12/2024	21	0.5263
Nickel, total	ug/L	MW-15R	10/16/2014	15.0000		10/16/2014-09/12/2024	21	0.5381
Nickel, total	ug/L	MW-15R	03/21/2018	20.0000	< 20.0000	10/16/2014-09/12/2024	21	0.5381
Nickel, total	ug/L	MW-20R	03/21/2018	20.0000	< 20.0000	10/16/2014-09/12/2024	21	0.5263
Zinc, total	ug/L	MW-20R	09/07/2018	115.0000		10/16/2014-09/12/2024	21	0.5263
Arsenic, total	ug/L	MW-21	03/07/2023	30.5000		10/16/2014-09/11/2024	21	0.5263
Chromium, total	ug/L	MW-4	09/11/2023	33.9000		10/16/2014-09/12/2024	21	0.5263
Nickel, total	ug/L	MW-4	09/28/2021	26.4000		10/16/2014-09/12/2024	22	0.5263
Nickel, total	ug/L	MW-4	09/11/2023	52.8000		10/16/2014-09/12/2024	22	0.5263
Cadmium, total	ug/L	MW-5	10/09/2017	2.6000		10/16/2014-09/12/2024	21	0.5263
Copper, total	ug/L	MW-5	08/30/2022	45.5000		10/16/2014-09/12/2024	21	0.5381
Copper, total	ug/L	MW-5	03/20/2024	26.8000		10/16/2014-09/12/2024	21	0.5381
Zinc, total	ug/L	MW-5	09/07/2018	81.1000		10/16/2014-09/12/2024	21	0.5263

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

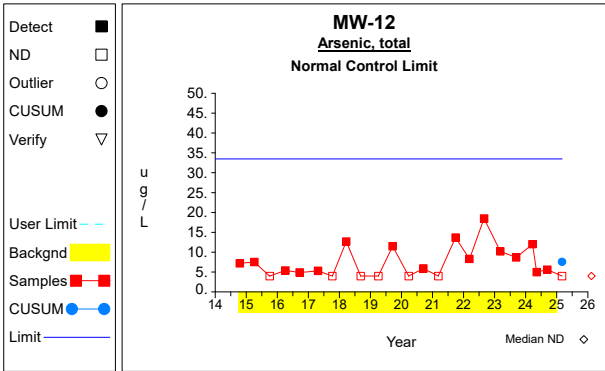
Date Range = Dates of the first and last measurements included in background at each well.

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

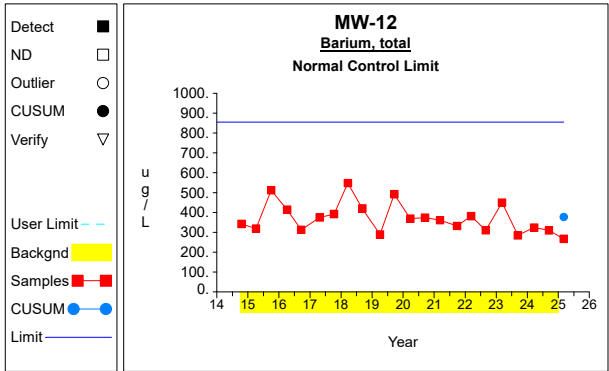
Intra-Well Control Charts / Prediction Limits



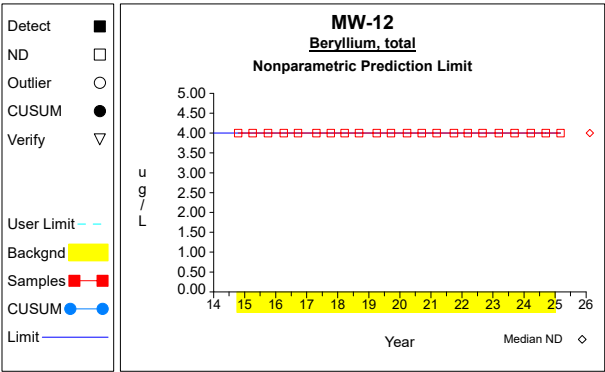
Graph 1



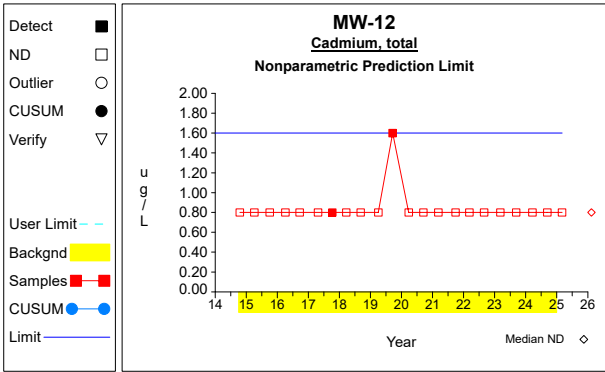
Graph 2



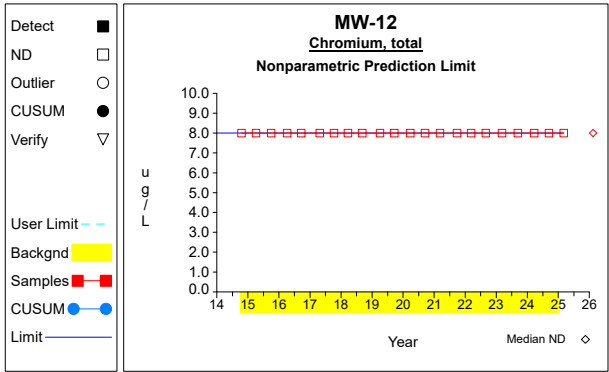
Graph 3



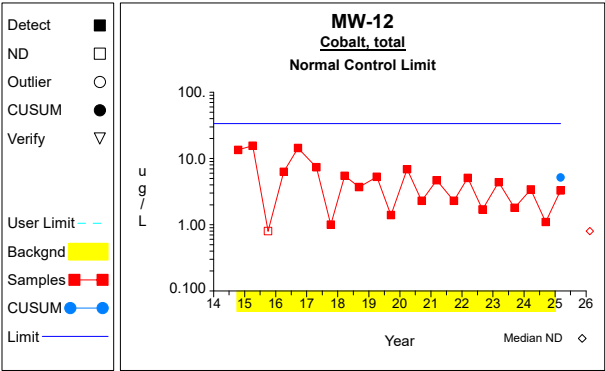
Graph 4



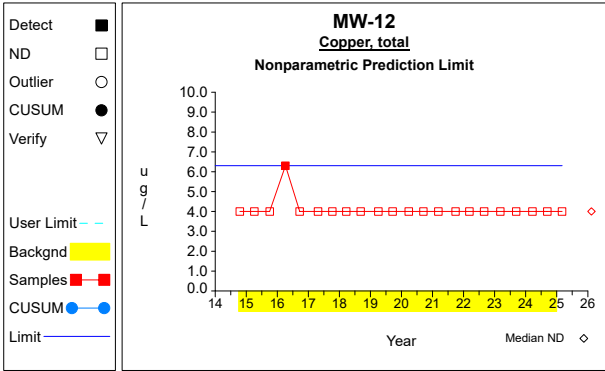
Graph 5



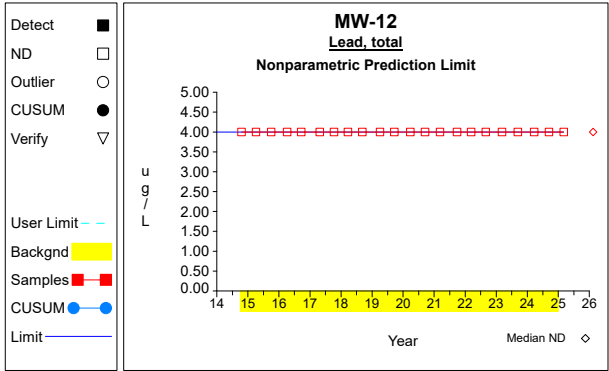
Graph 6



Graph 7

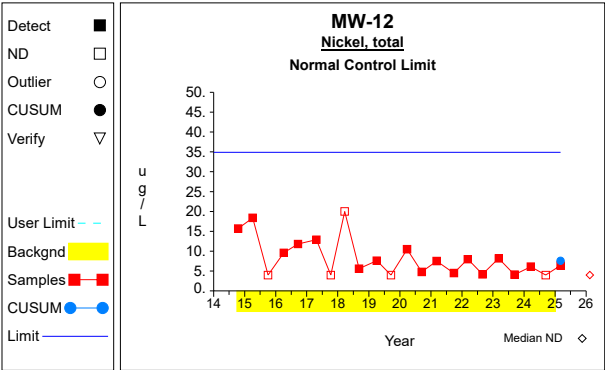


Graph 8

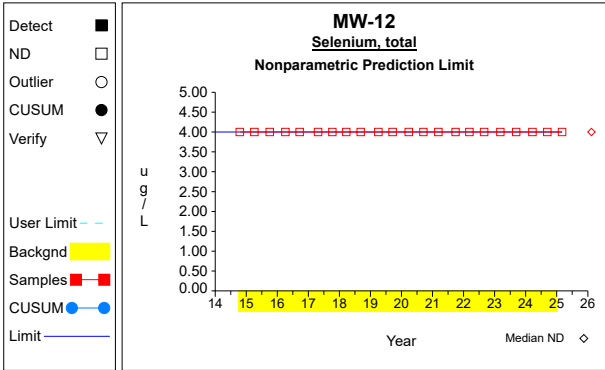


Graph 9

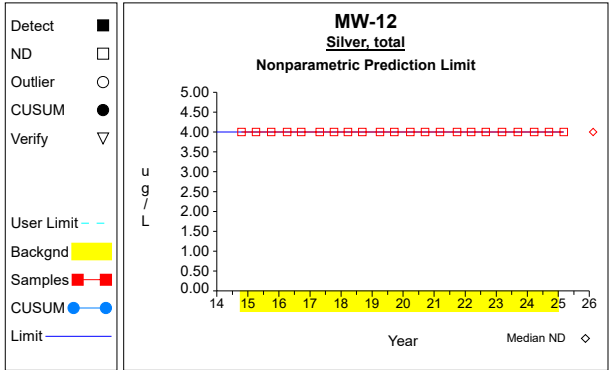
Intra-Well Control Charts / Prediction Limits



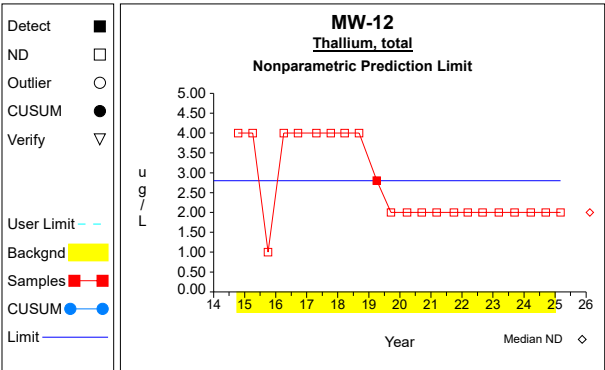
Graph 10



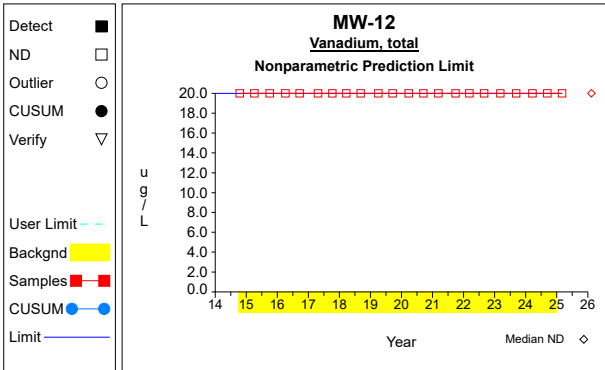
Graph 11



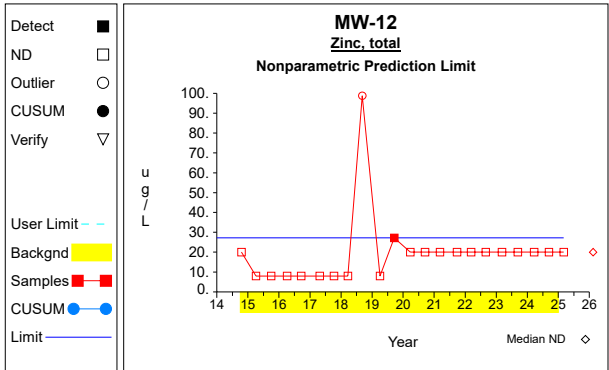
Graph 12



Graph 13

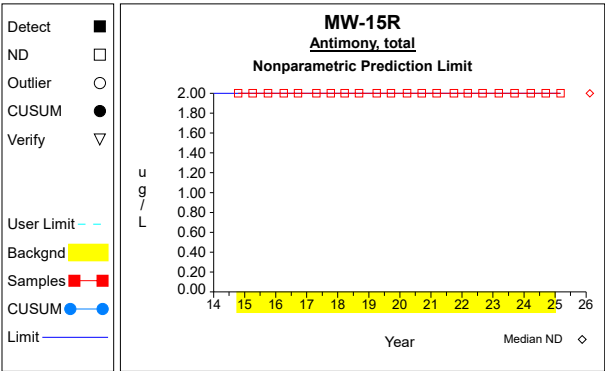


Graph 14

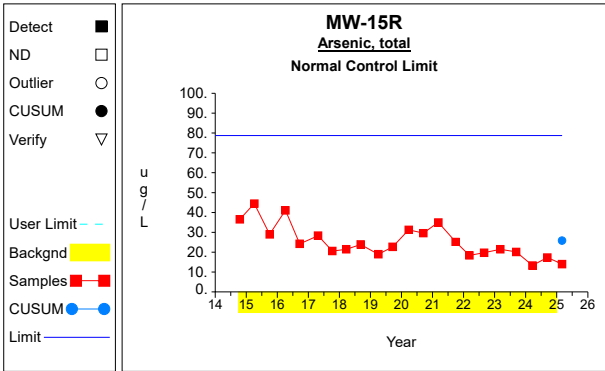


Graph 15

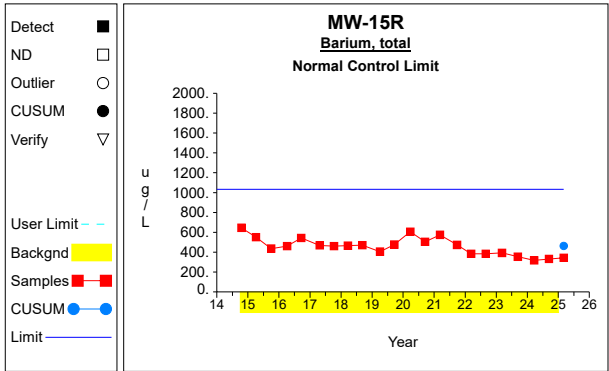
Intra-Well Control Charts / Prediction Limits



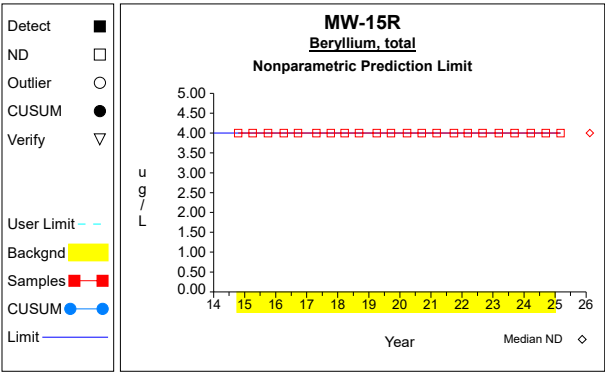
Graph 16



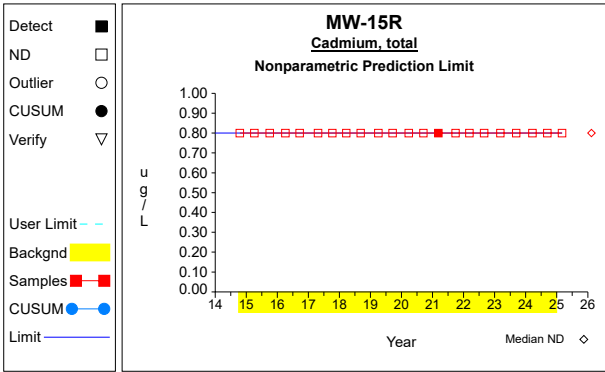
Graph 17



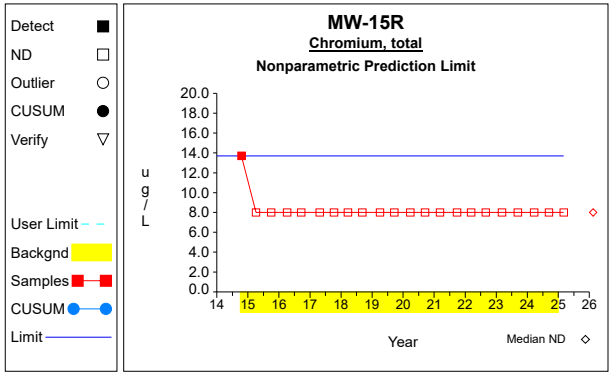
Graph 18



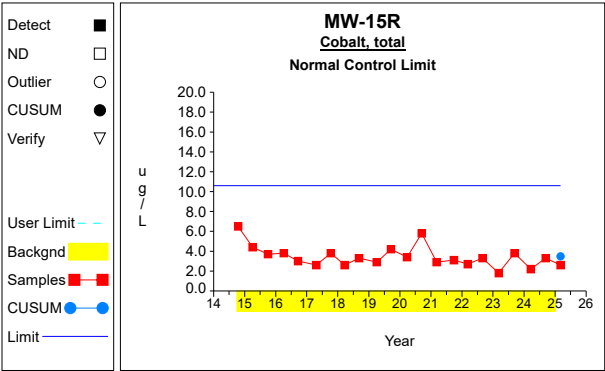
Graph 19



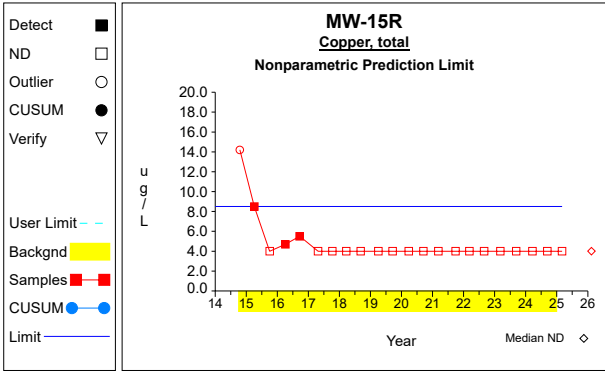
Graph 20



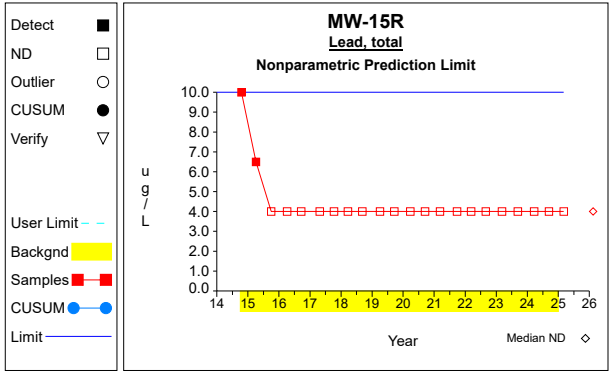
Graph 21



Graph 22

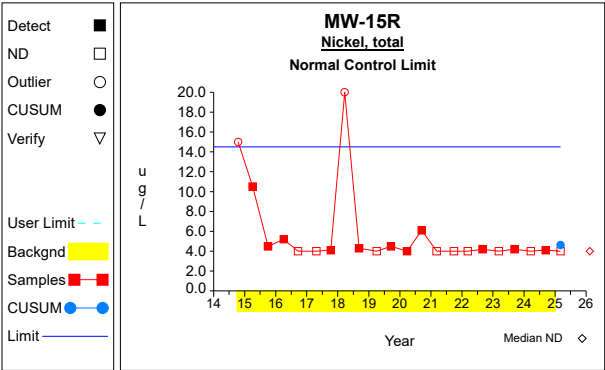


Graph 23

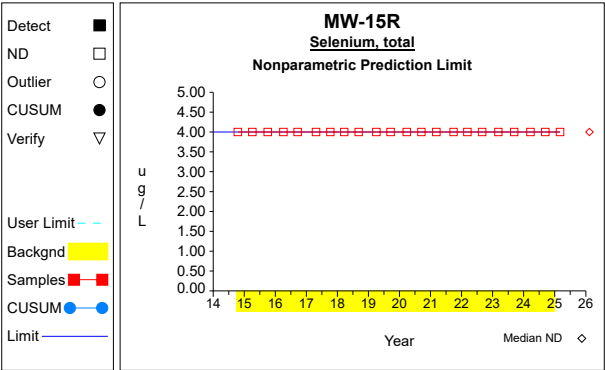


Graph 24

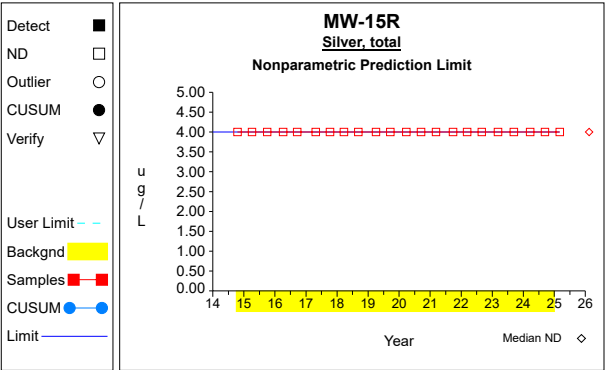
Intra-Well Control Charts / Prediction Limits



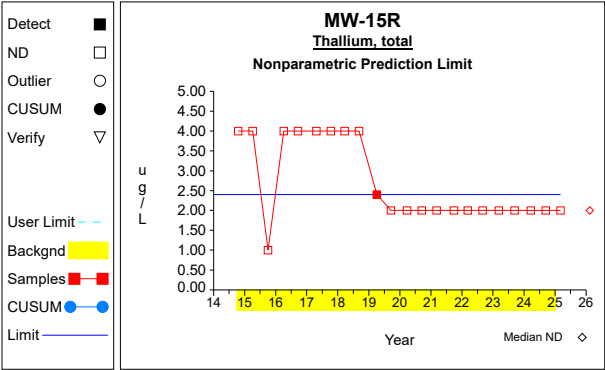
Graph 25



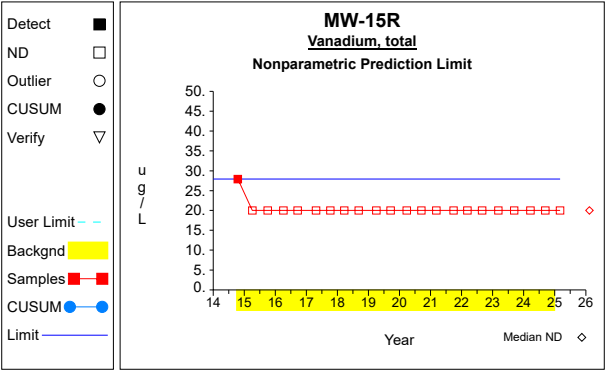
Graph 26



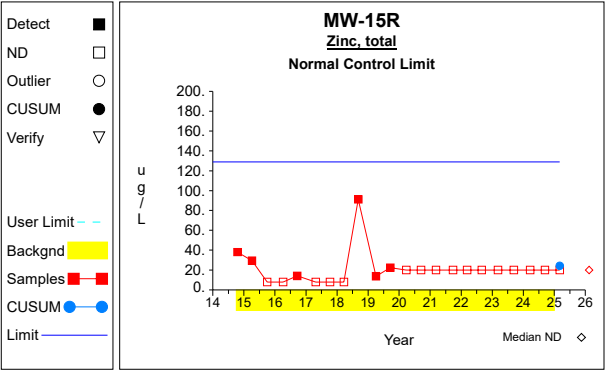
Graph 27



Graph 28

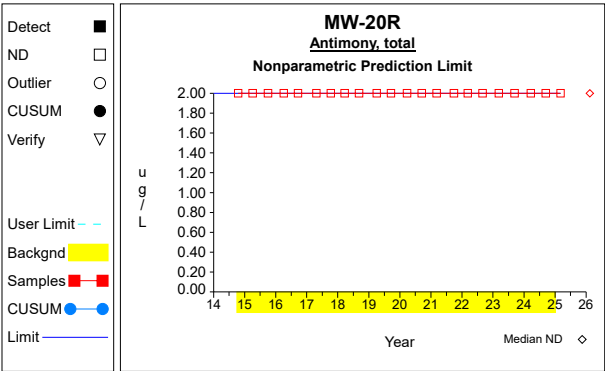


Graph 29

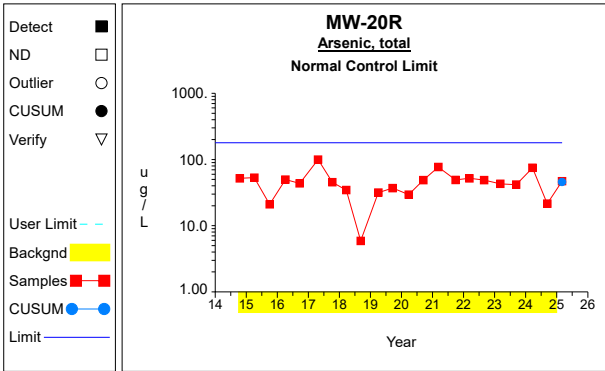


Graph 30

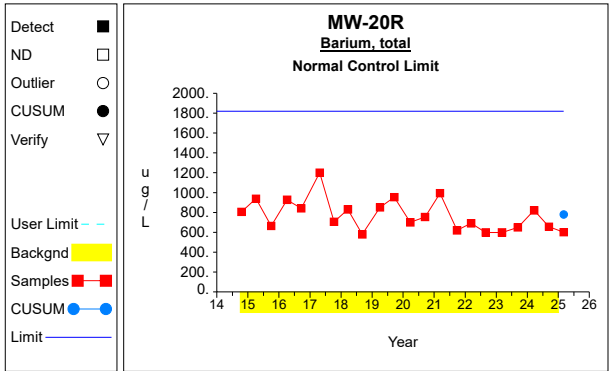
Intra-Well Control Charts / Prediction Limits



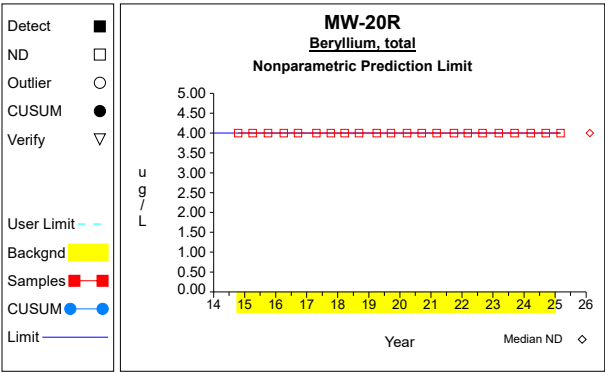
Graph 31



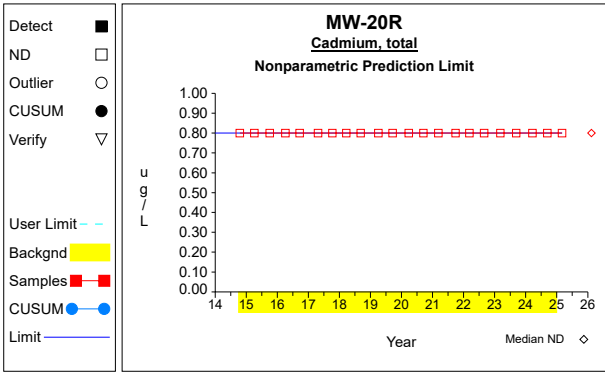
Graph 32



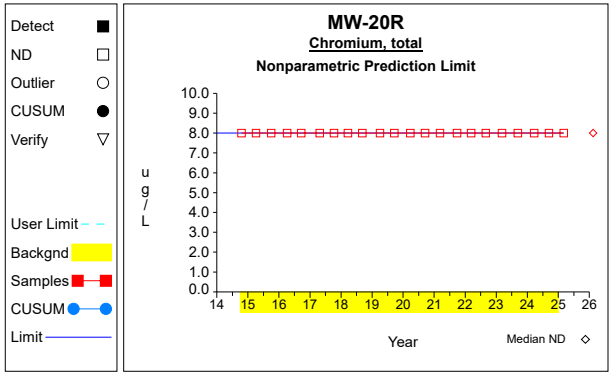
Graph 33



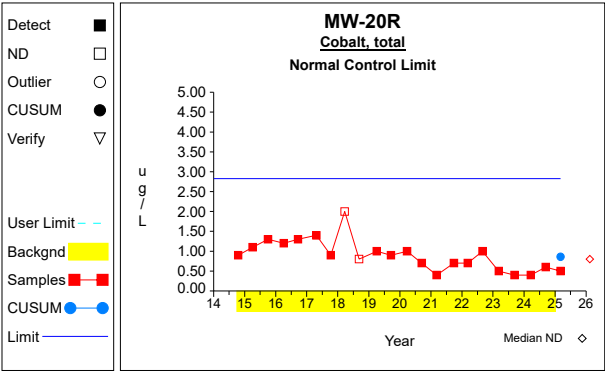
Graph 34



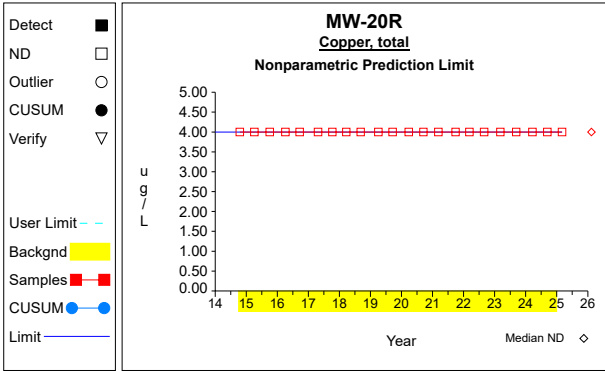
Graph 35



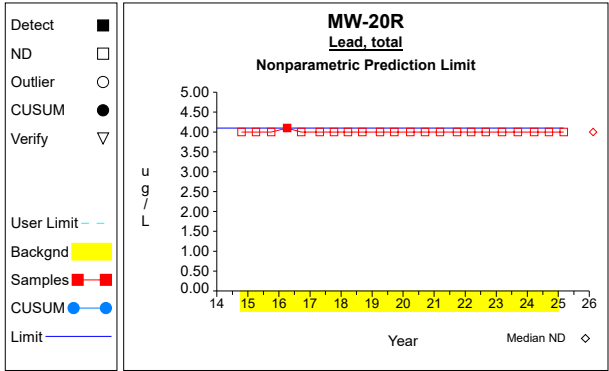
Graph 36



Graph 37

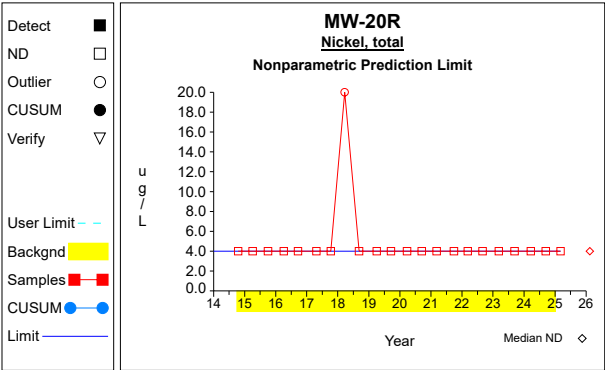


Graph 38

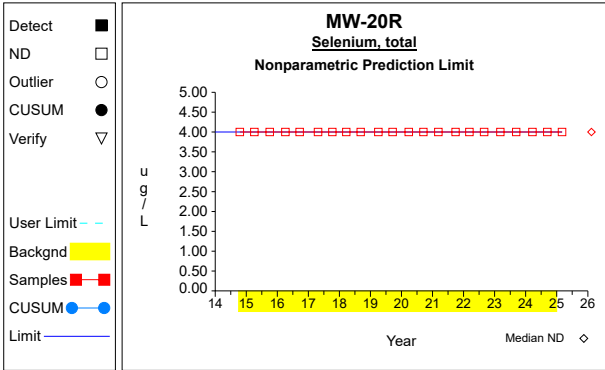


Graph 39

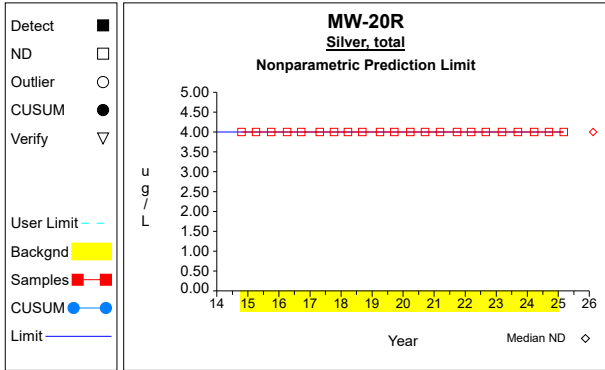
Intra-Well Control Charts / Prediction Limits



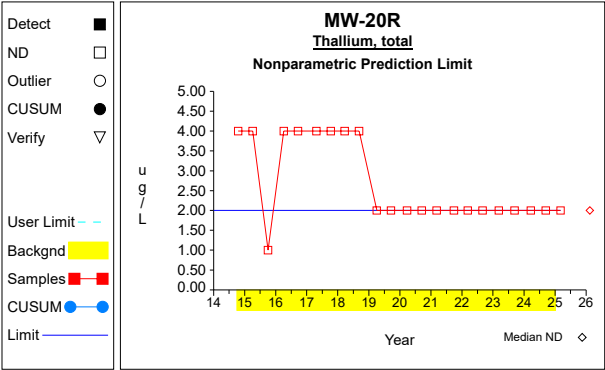
Graph 40



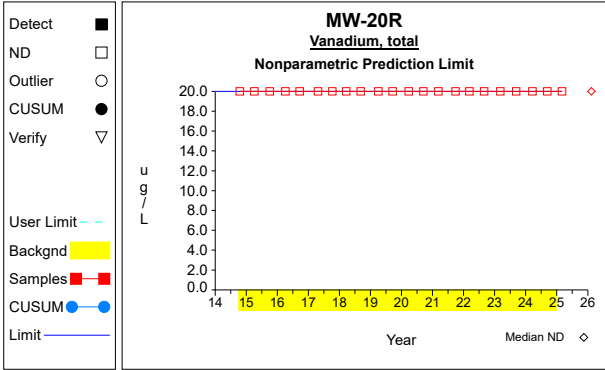
Graph 41



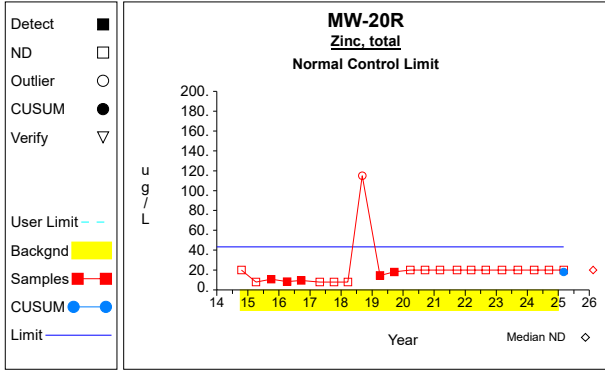
Graph 42



Graph 43

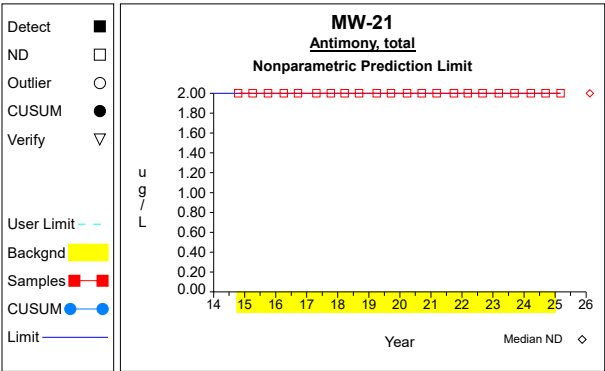


Graph 44

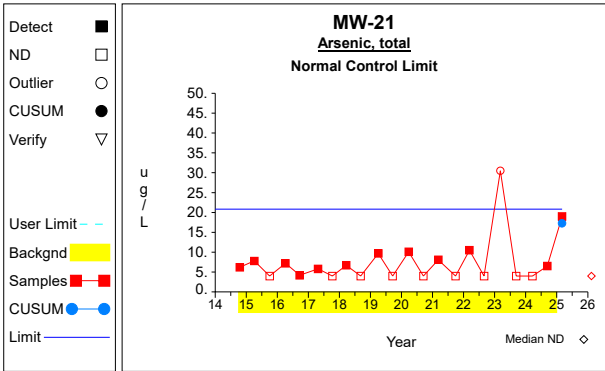


Graph 45

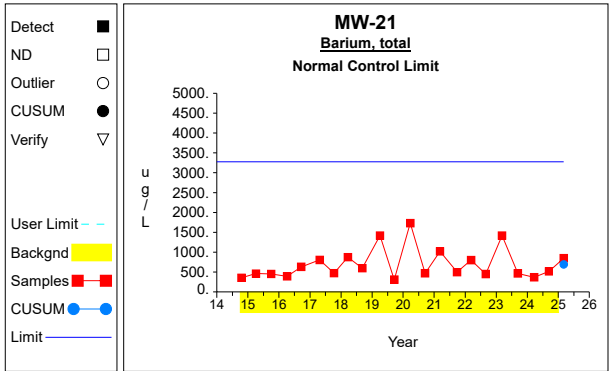
Intra-Well Control Charts / Prediction Limits



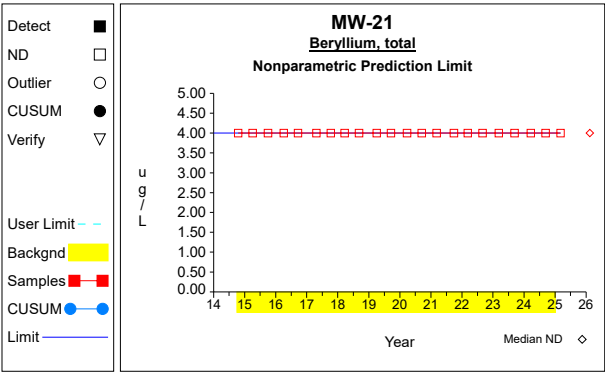
Graph 46



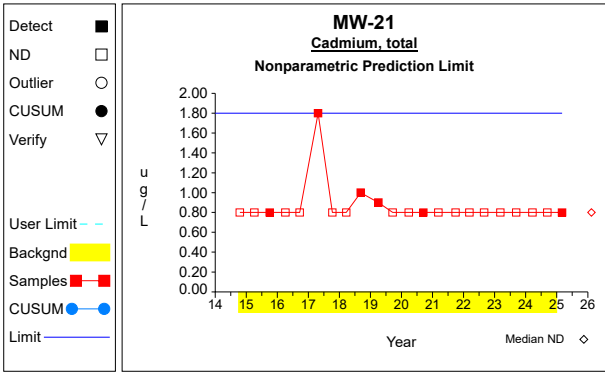
Graph 47



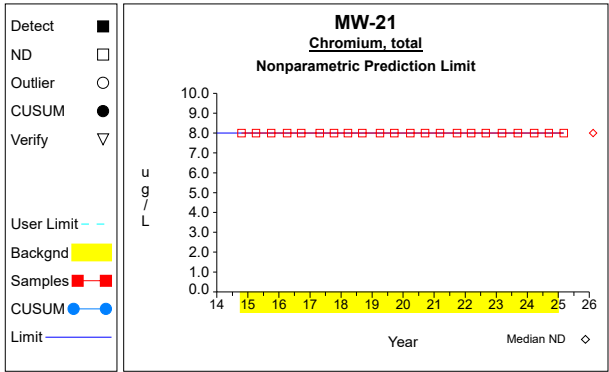
Graph 48



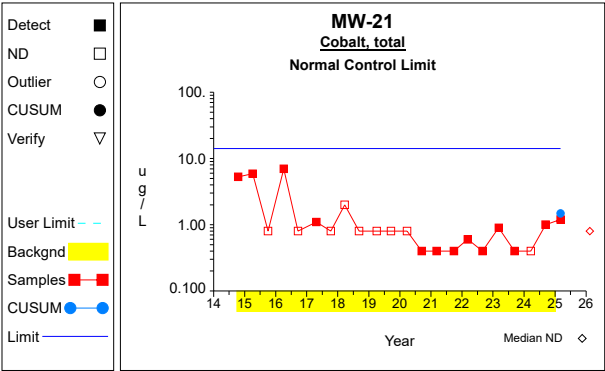
Graph 49



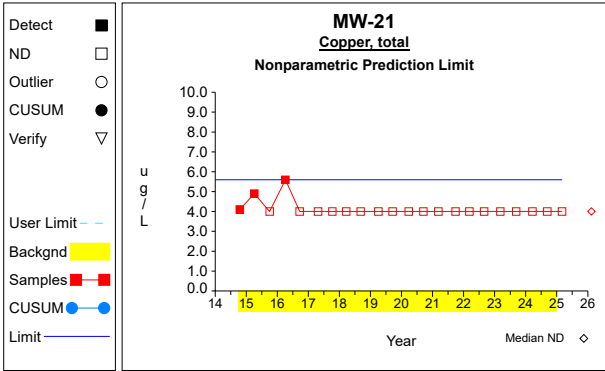
Graph 50



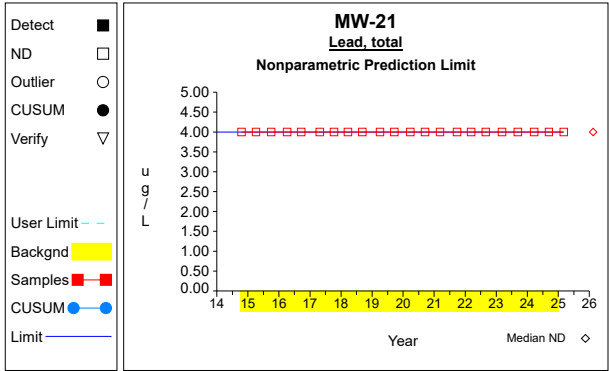
Graph 51



Graph 52

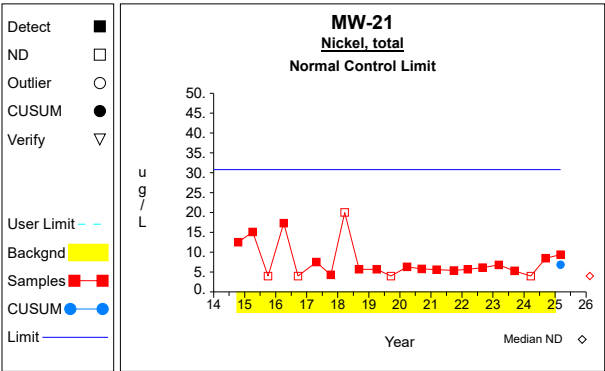


Graph 53

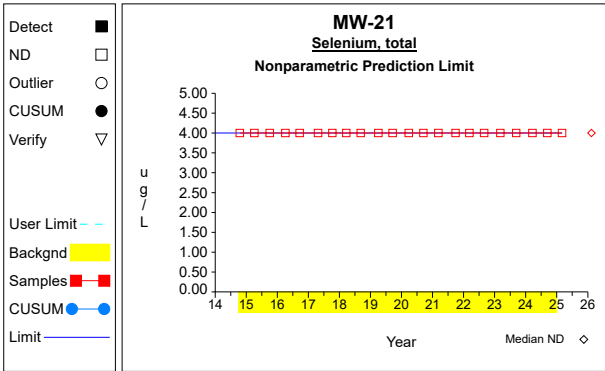


Graph 54

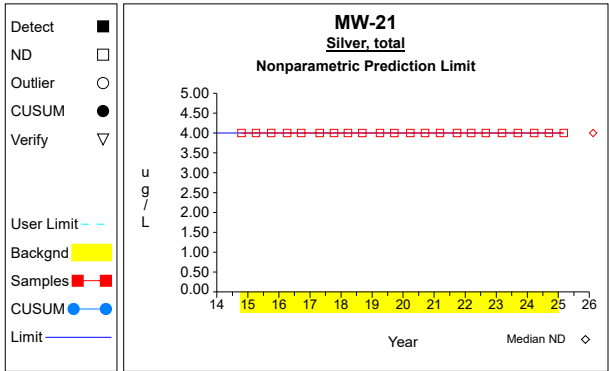
Intra-Well Control Charts / Prediction Limits



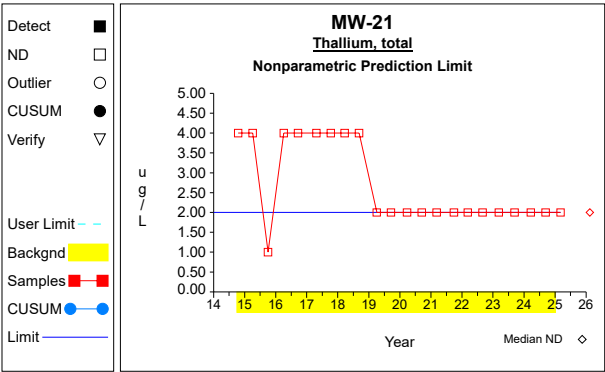
Graph 55



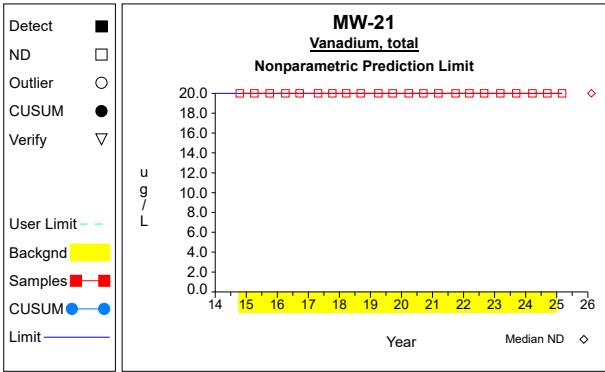
Graph 56



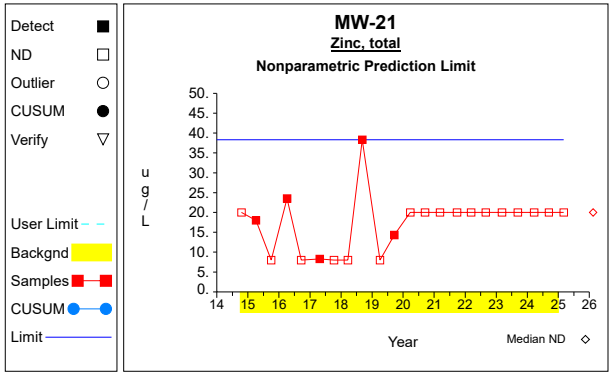
Graph 57



Graph 58

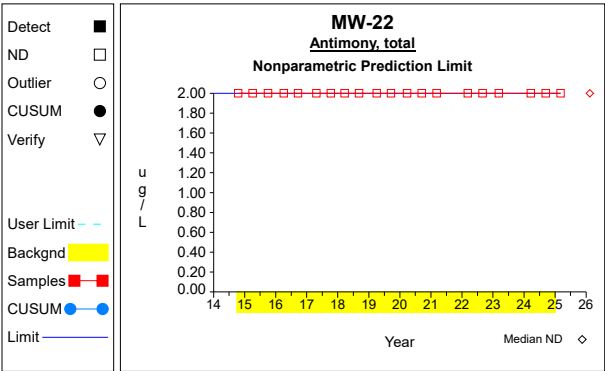


Graph 59

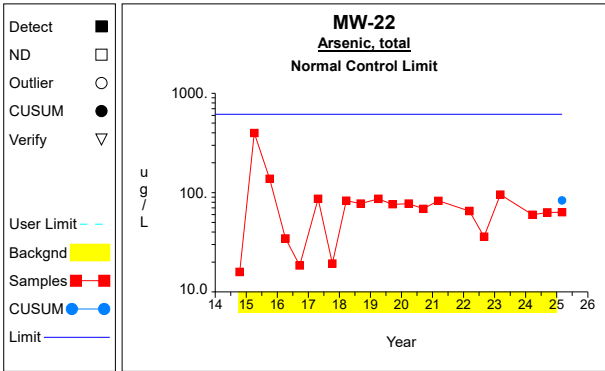


Graph 60

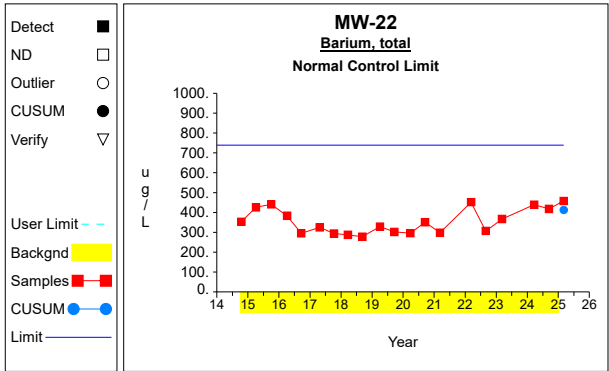
Intra-Well Control Charts / Prediction Limits



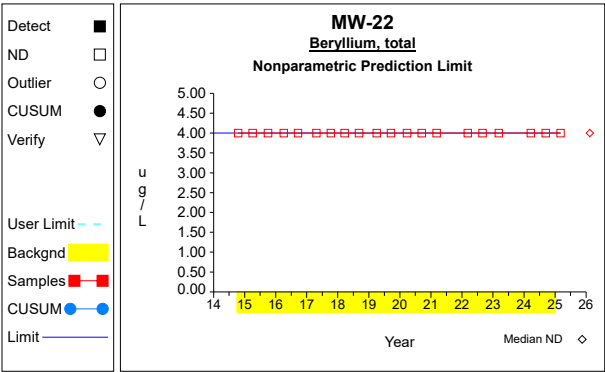
Graph 61



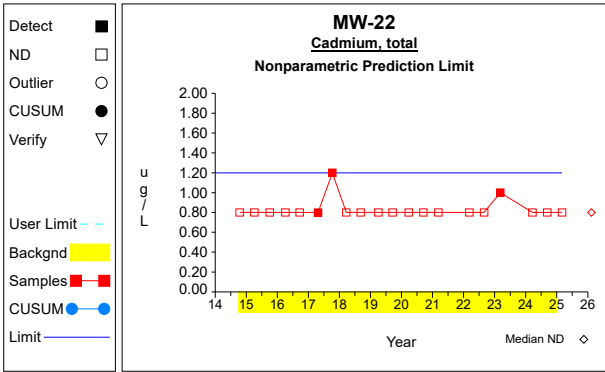
Graph 62



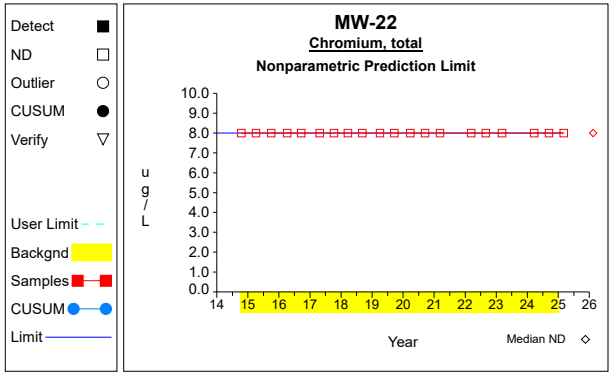
Graph 63



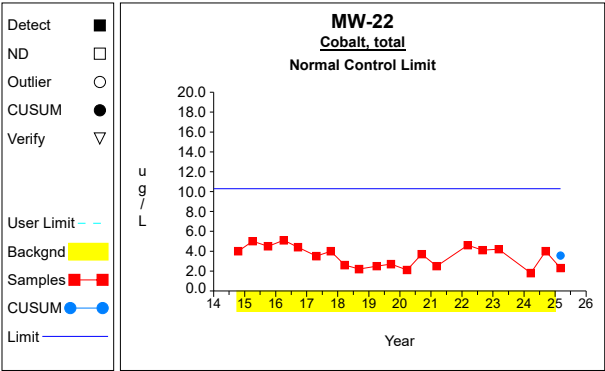
Graph 64



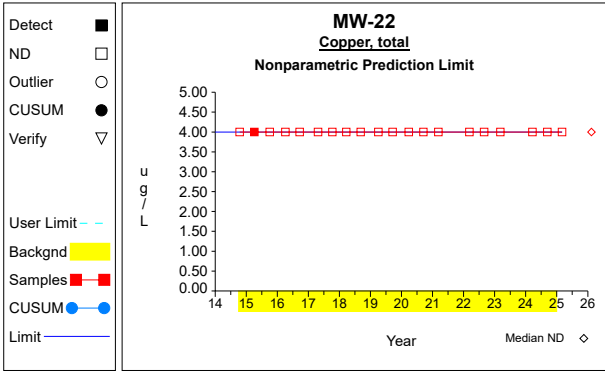
Graph 65



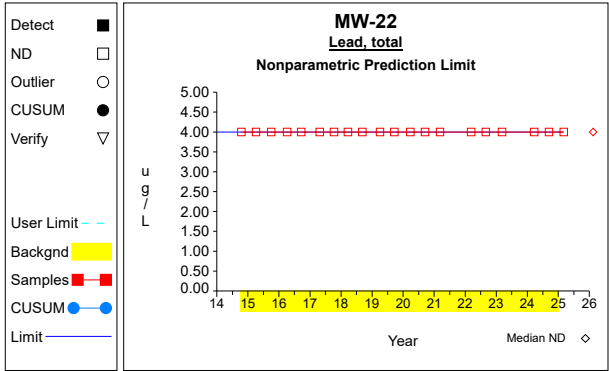
Graph 66



Graph 67

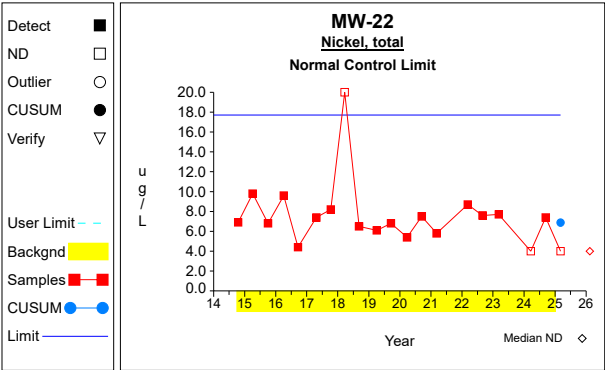


Graph 68

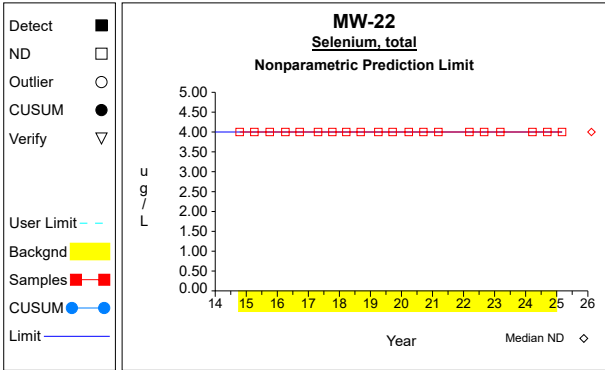


Graph 69

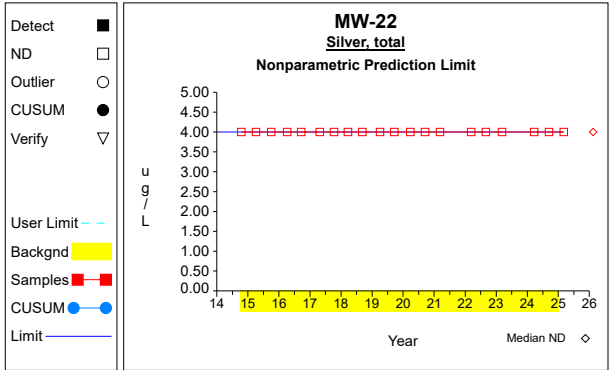
Intra-Well Control Charts / Prediction Limits



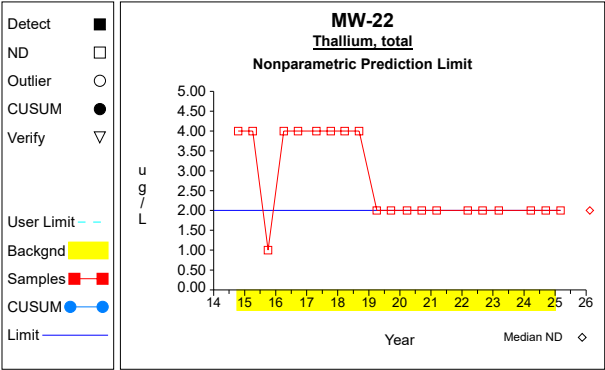
Graph 70



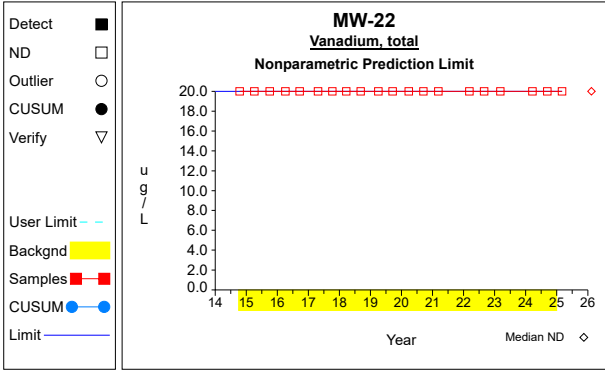
Graph 71



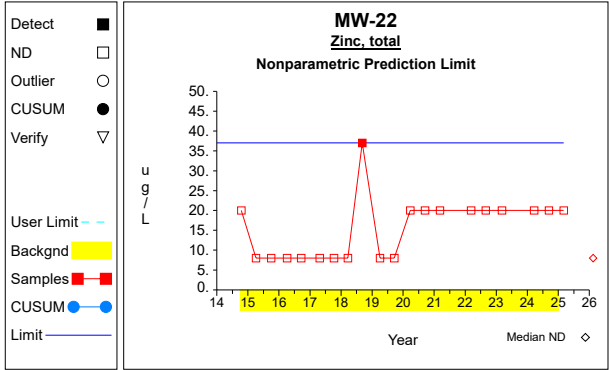
Graph 72



Graph 73

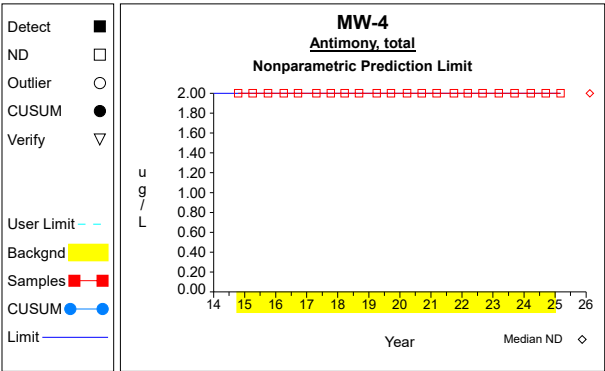


Graph 74

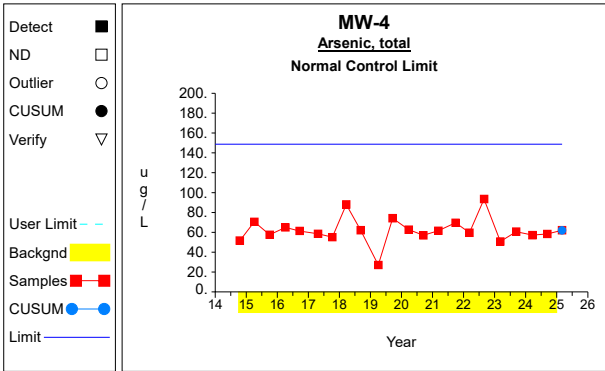


Graph 75

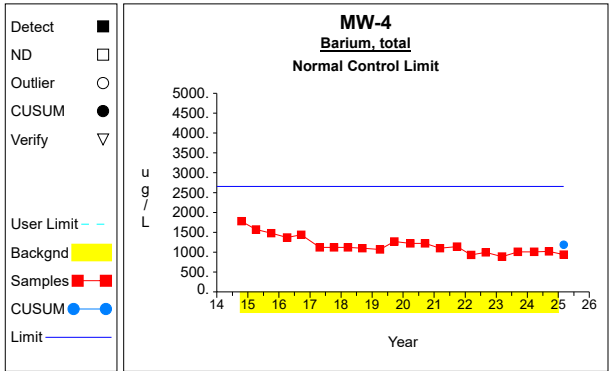
Intra-Well Control Charts / Prediction Limits



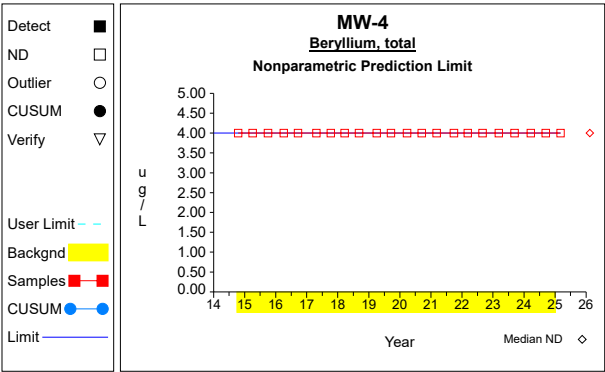
Graph 76



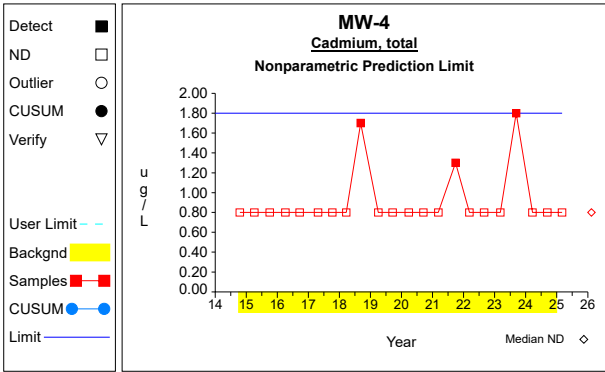
Graph 77



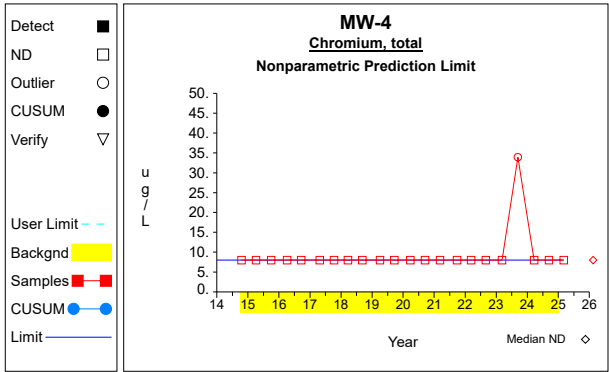
Graph 78



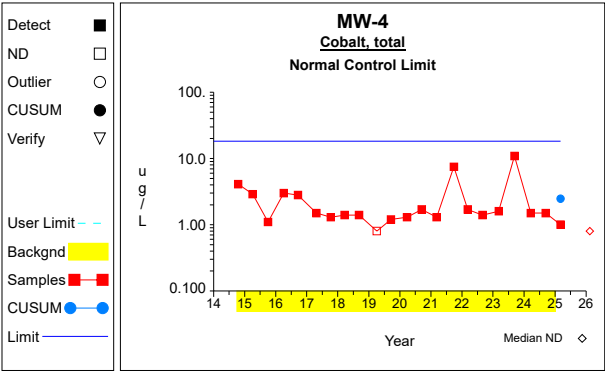
Graph 79



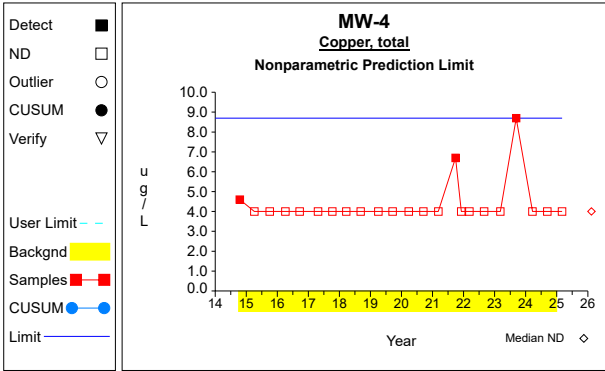
Graph 80



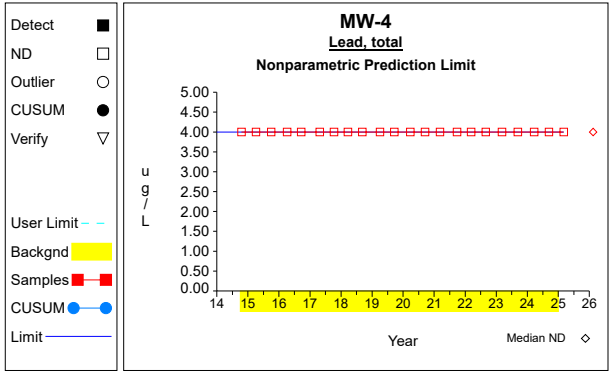
Graph 81



Graph 82

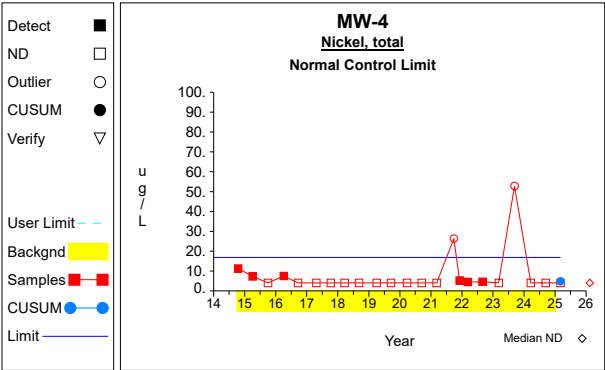


Graph 83

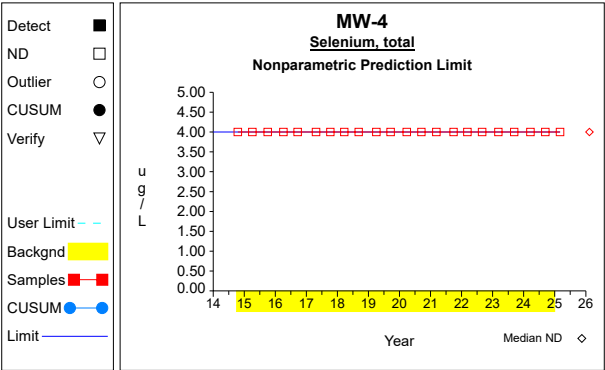


Graph 84

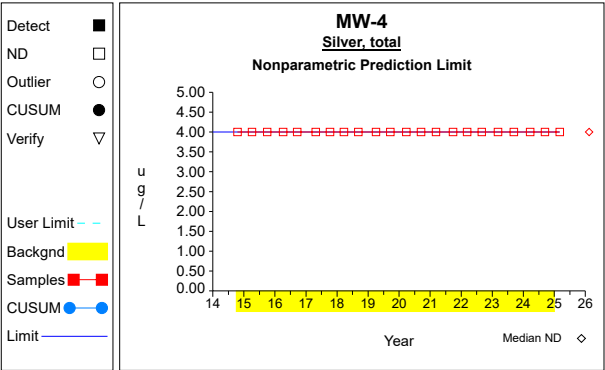
Intra-Well Control Charts / Prediction Limits



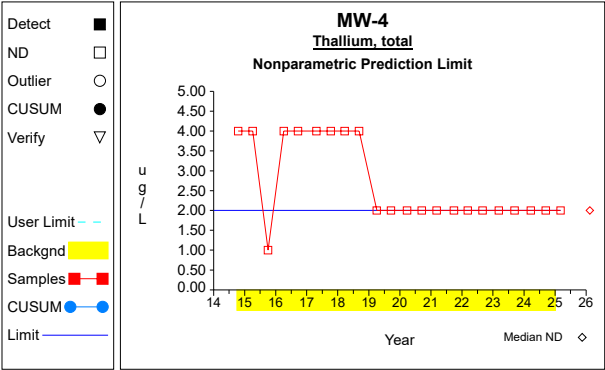
Graph 85



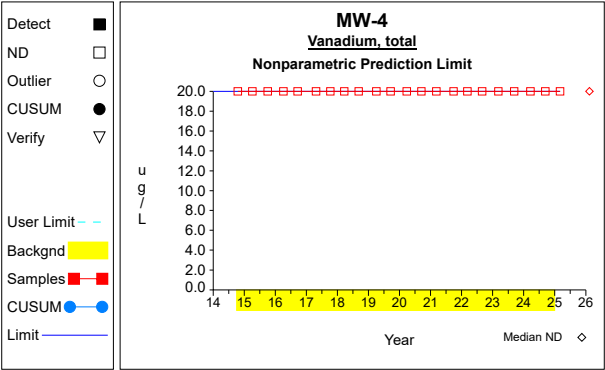
Graph 86



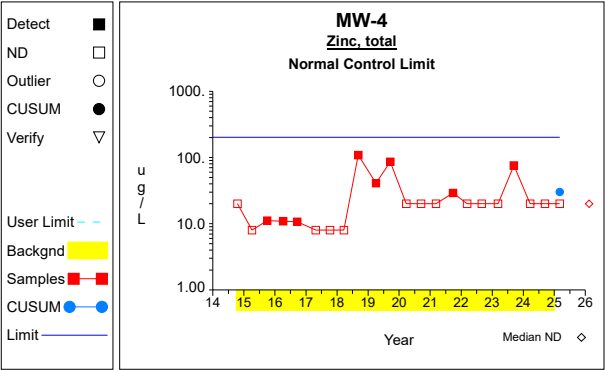
Graph 87



Graph 88

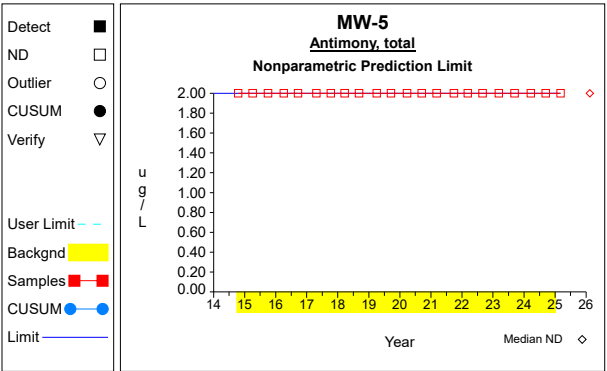


Graph 89

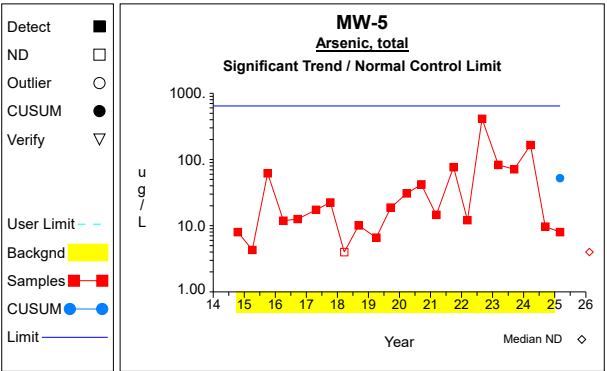


Graph 90

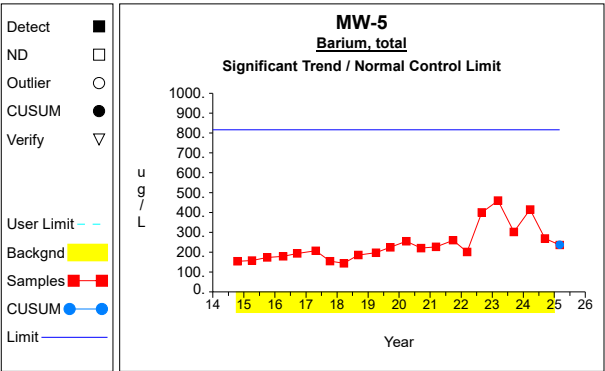
Intra-Well Control Charts / Prediction Limits



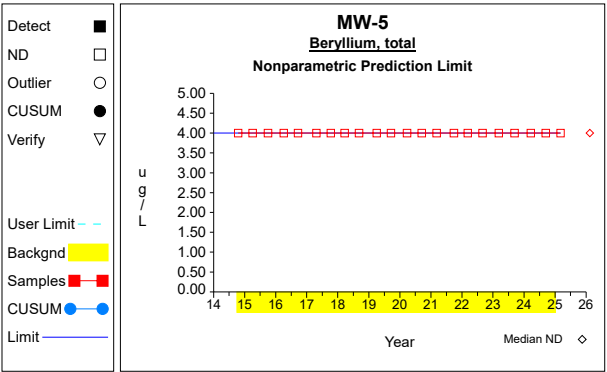
Graph 91



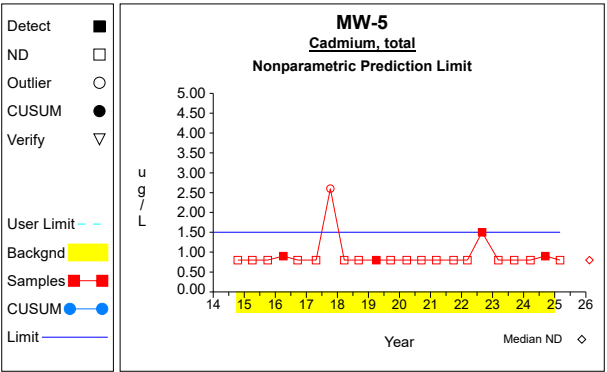
Graph 92



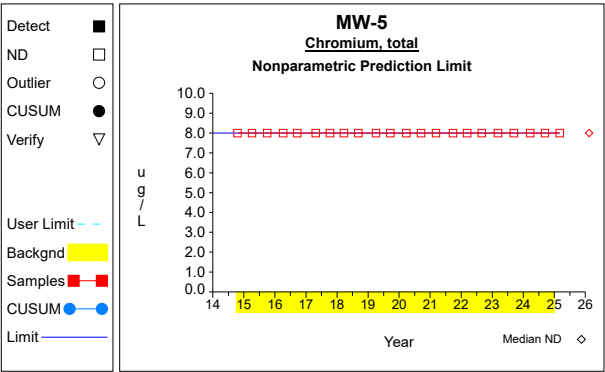
Graph 93



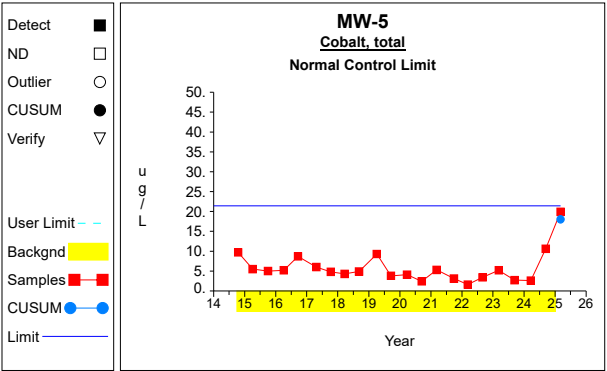
Graph 94



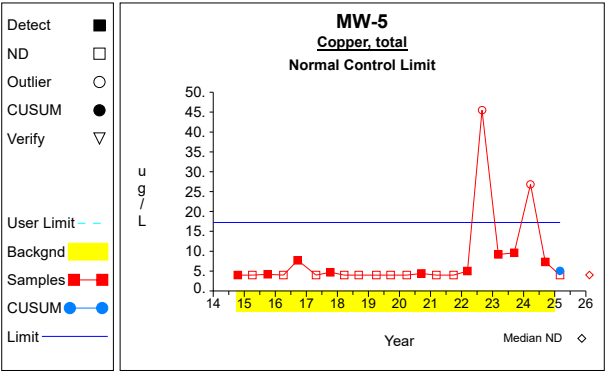
Graph 95



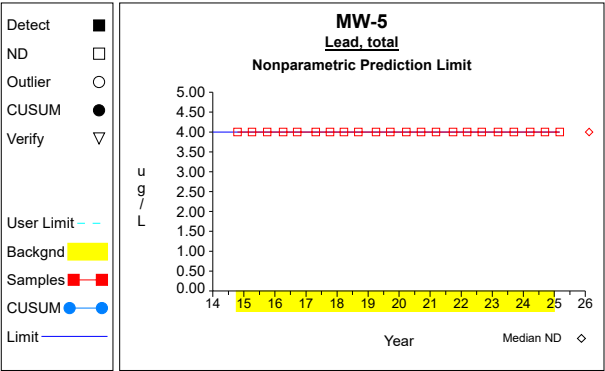
Graph 96



Graph 97

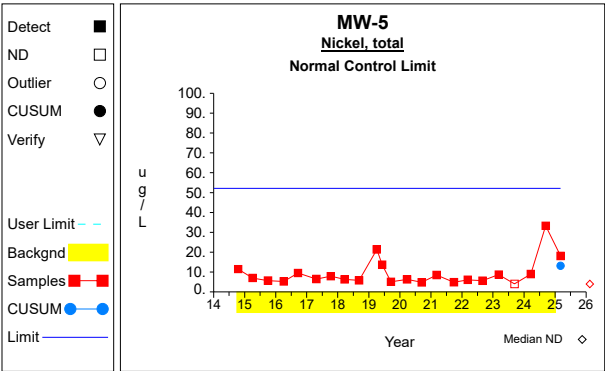


Graph 98

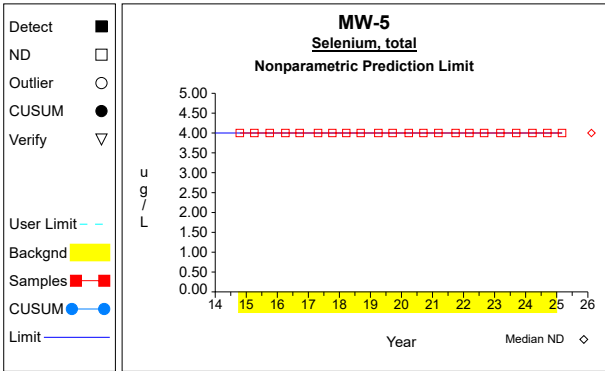


Graph 99

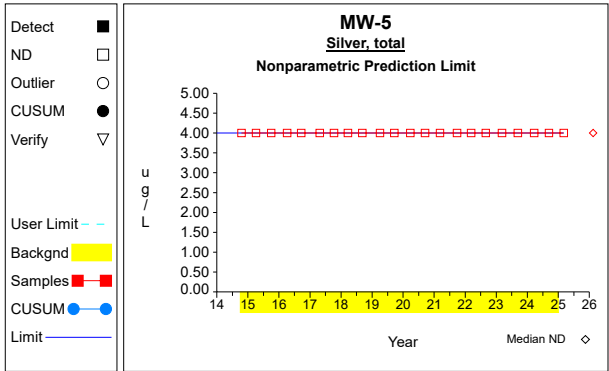
Intra-Well Control Charts / Prediction Limits



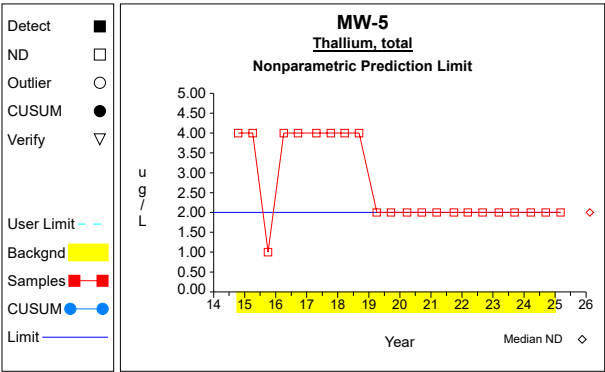
Graph 100



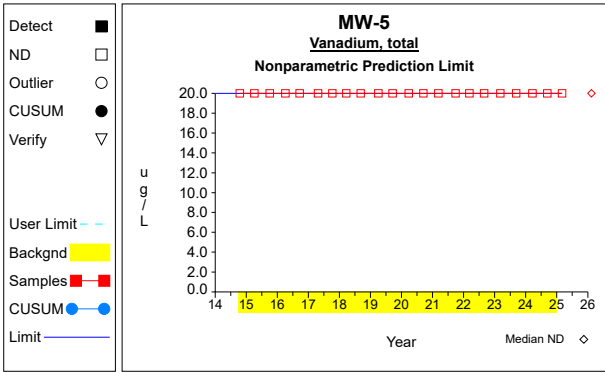
Graph 101



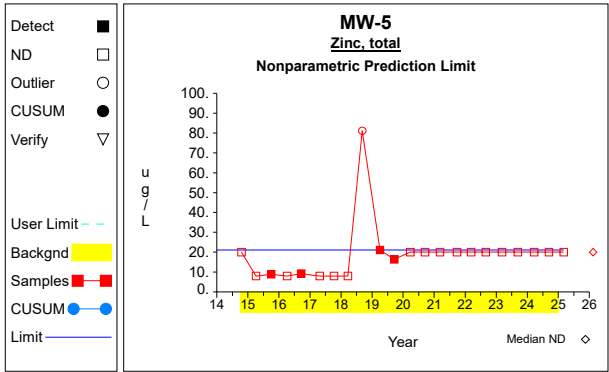
Graph 102



Graph 103

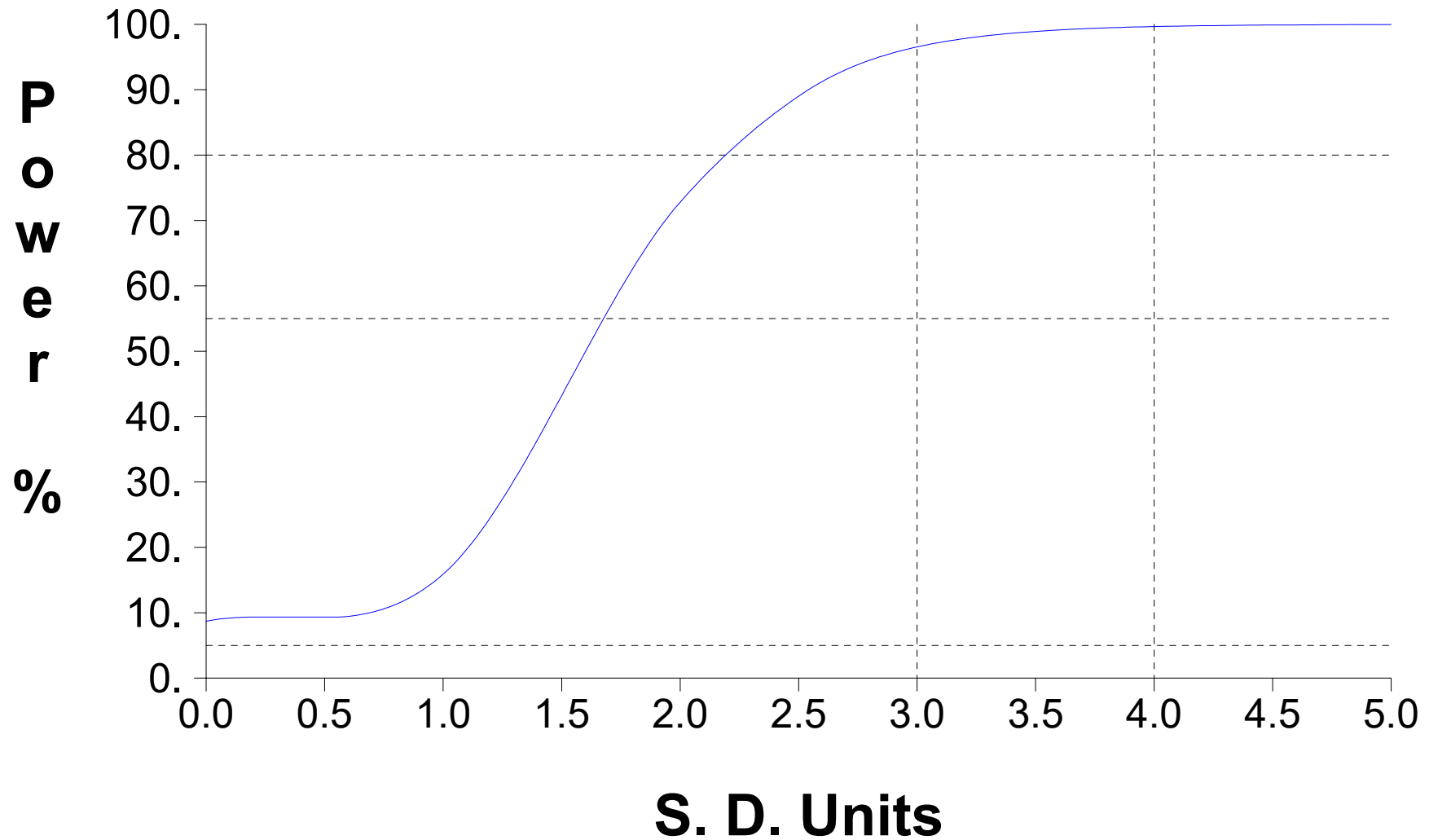


Graph 104



Graph 105

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



Attachment E

Summary Table of Historical VOC Detections

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
2-butanone (mek)	GWD-1	4/09/2012		37.6	5.0	ug/L
Chloroethane	GWD-1	9/15/2020		1.6	1.0	ug/L
Methane	GWD-1	4/26/2013		1030	68	ug/L
Trichlorofluoromethane	GWD-1	9/21/2011		4.1	1.0	ug/L
Vinyl chloride	GWD-1	3/07/2023		1.3	1.0	ug/L
Vinyl chloride	GWD-1	5/09/2023		1.5	1.0	ug/L
Vinyl chloride	GWD-1	6/07/2023		1.2	1.0	ug/L
Trichloroethylene	MW-10	7/07/1993		3.3	1.0	ug/L
Trichloroethylene	MW-10	10/12/1993		2.7	1.0	ug/L
Trichloroethylene	MW-10	1/24/1994		2.5	1.0	ug/L
Trichloroethylene	MW-10	4/26/1994		2.3	1.0	ug/L
Trichloroethylene	MW-10	7/26/1994		2.5	1.0	ug/L
1,1-dichloroethane	MW-12	6/23/2008		1.0	1.0	ug/L
1,1-dichloroethane	MW-12	12/13/2008		1.2	1.0	ug/L
1,1-dichloroethane	MW-12	9/17/2009		1.0	1.0	ug/L
Acetone	MW-12	10/09/2017		12.9	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-12	4/05/2010		9	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-12	9/20/2016		10	8	ug/L
Chloroethane	MW-12	4/23/2008		1.5	1.0	ug/L
Chloroethane	MW-12	6/23/2008		2.1	1.0	ug/L
Chloroethane	MW-12	12/13/2008		2.4	1.0	ug/L
Chloroethane	MW-12	3/04/2009		1.0	1.0	ug/L
Chloroethane	MW-12	11/06/2009		1.0	1.0	ug/L
Chloroethane	MW-12	4/05/2010		1.5	1.0	ug/L
Chloroethane	MW-12	9/15/2020		1.5	1.0	ug/L
Methane	MW-12	4/26/2013		3180	77	ug/L
Tetrachloro-m-xylene	MW-12	4/05/2010		.81	.01	ug/L
Acetone	MW-15R	4/26/2013		49.1	10.0	ug/L
Acetone	MW-15R	10/09/2017		10.4	10.0	ug/L
Chloromethane	MW-15R	10/09/2017		2	1	ug/L
Dichlorodifluoromethane	MW-15R	4/04/2016		1	1	ug/L
Toluene	MW-15R	4/26/2013		7	1	ug/L
2-butanone (mek)	MW-16	9/18/2019		35	5	ug/L
Acetone	MW-16	4/23/2008		40.6	10.0	ug/L
Acetone	MW-16	6/23/2008		15.4	10.0	ug/L
Acetone	MW-16	8/13/2008		149.0	10.0	ug/L
Acetone	MW-16	10/02/2008		77.3	10.0	ug/L
Acetone	MW-16	12/13/2008		91.6	10.0	ug/L
Acetone	MW-16	3/04/2009		47.2	10.0	ug/L
Acetone	MW-16	9/17/2009		170.0	10.0	ug/L
Acetone	MW-16	11/06/2009		89.9	10.0	ug/L
Acetone	MW-16	4/05/2010		164.0	10.0	ug/L
Acetone	MW-16	10/08/2010		45.8	10.0	ug/L
Acetone	MW-16	4/13/2011		72.1	10.0	ug/L
Acetone	MW-16	9/22/2011		107.0	10.0	ug/L
Acetone	MW-16	4/09/2012		27.0	10.0	ug/L
Acetone	MW-16	9/26/2013		26.0	10.0	ug/L
Acetone	MW-16	4/10/2014		61.5	10.0	ug/L
Acetone	MW-16	10/16/2014		124.0	10.0	ug/L
Acetone	MW-16	4/04/2015		14.1	10.0	ug/L
Acetone	MW-16	10/01/2015		13.1	10.0	ug/L
Acetone	MW-16	9/20/2016		26.8	10.0	ug/L
Acetone	MW-16	4/24/2017		134.0	10.0	ug/L
Acetone	MW-16	10/09/2017		17.0	10.0	ug/L
Acetone	MW-16	3/21/2018		24.5	10.0	ug/L
Acetone	MW-16	9/07/2018		72.3	10.0	ug/L
Acetone	MW-16	4/02/2019		34.2	10.0	ug/L
Acetone	MW-16	9/18/2019		196.0	50.0	ug/L
Acetone	MW-16	3/25/2020		51.2	10.0	ug/L
Acetone	MW-16	9/15/2020		109.0	10.0	ug/L
Acetone	MW-16	3/08/2021		1140.0	50.0	ug/L
Benzene	MW-16	4/05/2010		1.1	1.0	ug/L
Benzene	MW-16	9/22/2011		1.2	1.0	ug/L
Chloroethane	MW-16	4/23/2008		2.0	1.0	ug/L
Chloroethane	MW-16	6/23/2008		1.7	1.0	ug/L
Chloroethane	MW-16	8/13/2008		2.0	1.0	ug/L
Chloroethane	MW-16	12/13/2008		1.8	1.0	ug/L
Chloroethane	MW-16	3/04/2009		1.3	1.0	ug/L
Chloroethane	MW-16	11/06/2009		2.2	1.0	ug/L
Chloroethane	MW-16	4/05/2010		2.1	1.0	ug/L
Chloroethane	MW-16	9/22/2011		2.3	1.0	ug/L
Chloroethane	MW-16	4/09/2012		1.1	1.0	ug/L
Chloroethane	MW-16	4/10/2014		1.0	1.0	ug/L
Chloroethane	MW-16	4/04/2016		1.0	1.0	ug/L
Chloromethane	MW-16	10/09/2017		2.3	1.0	ug/L
Dichlorodifluoromethane	MW-16	4/05/2010		1.2	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Dichlorodifluoromethane	MW-16	9/22/2011		1.0	1.0	ug/L
Dichlorodifluoromethane	MW-16	4/09/2012		1.2	1.0	ug/L
Dichlorodifluoromethane	MW-16	9/26/2013		1.2	1.0	ug/L
Dichlorodifluoromethane	MW-16	4/04/2016		1.0	1.0	ug/L
Methane	MW-16	4/09/2012		3150	63	ug/L
Methane	MW-16	4/26/2013		6450	485	ug/L
Tetrachloro-m-xylene	MW-16	4/05/2010		.831	.010	ug/L
Vinyl chloride	MW-16	4/23/2008		2.9	1.0	ug/L
Vinyl chloride	MW-16	6/23/2008		2.5	1.0	ug/L
Vinyl chloride	MW-16	8/13/2008		2.5	1.0	ug/L
Vinyl chloride	MW-16	10/02/2008		2.5	1.0	ug/L
Vinyl chloride	MW-16	12/13/2008		2.8	1.0	ug/L
Vinyl chloride	MW-16	3/04/2009		1.8	1.0	ug/L
Vinyl chloride	MW-16	11/06/2009		2.0	1.0	ug/L
Vinyl chloride	MW-16	4/05/2010		2.9	1.0	ug/L
Vinyl chloride	MW-16	10/08/2010		3.0	1.0	ug/L
Vinyl chloride	MW-16	4/13/2011		2.3	1.0	ug/L
Vinyl chloride	MW-16	9/22/2011		1.4	1.0	ug/L
Vinyl chloride	MW-16	4/09/2012		1.0	1.0	ug/L
Vinyl chloride	MW-16	9/05/2012		1.4	1.0	ug/L
Vinyl chloride	MW-16	9/26/2013		1.1	1.0	ug/L
Methane	MW-17	4/09/2012		37	7	ug/L
Acetone	MW-18	4/14/2011		26.2	10.0	ug/L
Acetone	MW-18	4/26/2013		17.2	10.0	ug/L
Acetone	MW-18	9/26/2013		10.3	10.0	ug/L
Acetone	MW-18	9/20/2016		11.7	10.0	ug/L
Acetone	MW-18	10/09/2017		16.8	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-20R	4/04/2016		25	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-20R	9/07/2018		7	6	ug/L
Methane	MW-20R	4/26/2013		3100	93	ug/L
Chloroethane	MW-21	4/05/2010		2.1	1.0	ug/L
Chloroethane	MW-21	5/24/2010		1.3	1.0	ug/L
Chloroethane	MW-21	4/14/2011		2.5	1.0	ug/L
Chloroethane	MW-21	9/21/2011		2.0	1.0	ug/L
Chloroethane	MW-21	4/09/2012		2.2	1.0	ug/L
Chloroethane	MW-21	9/05/2012		1.4	1.0	ug/L
Chloroethane	MW-21	9/26/2013		1.4	1.0	ug/L
Chloroethane	MW-21	4/10/2014		1.2	1.0	ug/L
Chloroethane	MW-21	10/16/2014		1.4	1.0	ug/L
Chloroethane	MW-21	4/04/2015		1.1	1.0	ug/L
Chloroethane	MW-21	10/01/2015		1.7	1.0	ug/L
Chloroethane	MW-21	4/04/2016		2.4	1.0	ug/L
Chloroethane	MW-21	9/20/2016		1.4	1.0	ug/L
Chloroethane	MW-21	4/24/2017		2.6	1.0	ug/L
Chloroethane	MW-21	10/09/2017		1.0	1.0	ug/L
Chloroethane	MW-21	9/07/2018		1.6	1.0	ug/L
Chloroethane	MW-21	4/02/2019		1.8	1.0	ug/L
Chloroethane	MW-21	9/18/2019		1.7	1.0	ug/L
Chloroethane	MW-21	3/25/2020		1.2	1.0	ug/L
Chloroethane	MW-21	3/08/2021		1.3	1.0	ug/L
Chloroethane	MW-21	3/08/2022		1.0	1.0	ug/L
Chloroethane	MW-21	3/07/2023		1.4	1.0	ug/L
Chloromethane	MW-21	4/05/2010		2.7	1.0	ug/L
Chloromethane	MW-21	4/26/2013		1.4	1.0	ug/L
Chloromethane	MW-21	3/03/2025		1.1	1.0	ug/L
Dichlorodifluoromethane	MW-21	4/04/2016		1	1	ug/L
Acetone	MW-22	11/06/2009		14.9	10.0	ug/L
Acetone	MW-22	9/26/2013		10.1	10.0	ug/L
Acetone	MW-22	10/09/2017		14.6	10.0	ug/L
Benzene	MW-22	11/06/2009		1.8	1.0	ug/L
Benzene	MW-22	5/24/2010		1.4	1.0	ug/L
Benzene	MW-22	8/16/2010		2.0	1.0	ug/L
Benzene	MW-22	4/14/2011		1.7	1.0	ug/L
Benzene	MW-22	9/22/2011		1.6	1.0	ug/L
Benzene	MW-22	4/09/2012		2.2	1.0	ug/L
Benzene	MW-22	4/26/2013		1.3	1.0	ug/L
Benzene	MW-22	9/26/2013		1.2	1.0	ug/L
Benzene	MW-22	4/04/2015		1.6	1.0	ug/L
Benzene	MW-22	4/24/2017		1.7	1.0	ug/L
Benzene	MW-22	3/21/2018		2.3	1.0	ug/L
Benzene	MW-22	9/07/2018		1.5	1.0	ug/L
Benzene	MW-22	4/02/2019		2.2	1.0	ug/L
Benzene	MW-22	9/18/2019		2.3	1.0	ug/L
Benzene	MW-22	3/25/2020		2.4	1.0	ug/L
Benzene	MW-22	9/15/2020		1.5	1.0	ug/L
Benzene	MW-22	3/08/2021		1.4	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Benzene	MW-22	3/08/2022		1.0	1.0	ug/L
Benzene	MW-22	3/07/2023		2.0	1.0	ug/L
Bromomethane	MW-22	10/15/2014		2.4	1.0	ug/L
Chloroethane	MW-22	11/06/2009		5.4	1.0	ug/L
Chloroethane	MW-22	4/05/2010		5.4	1.0	ug/L
Chloroethane	MW-22	5/24/2010		4.6	1.0	ug/L
Chloroethane	MW-22	8/16/2010		4.2	1.0	ug/L
Chloroethane	MW-22	4/14/2011		3.8	1.0	ug/L
Chloroethane	MW-22	9/22/2011		2.7	1.0	ug/L
Chloroethane	MW-22	4/09/2012		3.3	1.0	ug/L
Chloroethane	MW-22	9/26/2013		1.4	1.0	ug/L
Chloroethane	MW-22	10/15/2014		1.0	1.0	ug/L
Chloroethane	MW-22	4/04/2015		1.1	1.0	ug/L
Chloroethane	MW-22	4/24/2017		1.5	1.0	ug/L
Chloroethane	MW-22	9/15/2020		1.7	1.0	ug/L
Chloroethane	MW-22	3/08/2021		1.2	1.0	ug/L
Chloromethane	MW-22	4/26/2013		1.1	1.0	ug/L
Hexachlorobenzene	MW-22	3/08/2021		.08	.05	ug/L
Methane	MW-22	4/09/2012		5380	114	ug/L
Methane	MW-22	4/26/2013		1460	93	ug/L
Methyl iodide	MW-22	10/15/2014		11.8	1.0	ug/L
Toluene	MW-22	4/24/2017		1.2	1.0	ug/L
Toluene	MW-22	3/21/2018		1.5	1.0	ug/L
Vinyl chloride	MW-22	11/06/2009		5.2	1.0	ug/L
Vinyl chloride	MW-22	4/05/2010		2.0	1.0	ug/L
Vinyl chloride	MW-22	5/24/2010		3.8	1.0	ug/L
Vinyl chloride	MW-22	10/08/2010		6.6	1.0	ug/L
Vinyl chloride	MW-22	4/14/2011		4.1	1.0	ug/L
Vinyl chloride	MW-22	9/22/2011		3.2	1.0	ug/L
Vinyl chloride	MW-22	4/09/2012		4.7	1.0	ug/L
Vinyl chloride	MW-22	9/26/2013		1.7	1.0	ug/L
Vinyl chloride	MW-22	4/04/2015		1.6	1.0	ug/L
Vinyl chloride	MW-22	10/01/2015		1.0	1.0	ug/L
Vinyl chloride	MW-22	4/24/2017		2.9	1.0	ug/L
Vinyl chloride	MW-22	9/07/2018		1.5	1.0	ug/L
Vinyl chloride	MW-22	4/02/2019		1.4	1.0	ug/L
Vinyl chloride	MW-22	9/18/2019		1.8	1.0	ug/L
Vinyl chloride	MW-22	3/25/2020		1.8	1.0	ug/L
Vinyl chloride	MW-22	9/15/2020		1.3	1.0	ug/L
Vinyl chloride	MW-22	3/08/2021		1.1	1.0	ug/L
Vinyl chloride	MW-22	3/07/2023		1.3	1.0	ug/L
1,1-dichloroethane	MW-23	9/21/2011		3.5	1.0	ug/L
1,1-dichloroethane	MW-23	9/05/2012		1.7	1.0	ug/L
Chloroethane	MW-23	9/21/2011		1.8	1.0	ug/L
Acetone	MW-24	4/26/2013		100.0	10.0	ug/L
Acetone	MW-24	10/16/2014		58.4	10.0	ug/L
Acetone	MW-24	3/25/2020		13.8	10.0	ug/L
Acetone	MW-24	3/08/2021		62.4	10.0	ug/L
Chloroethane	MW-26	4/24/2017		1.6	1.0	ug/L
1,1-dichloroethane	MW-4	4/23/2008		1.2	1.0	ug/L
1,1-dichloroethane	MW-4	12/13/2008		1.3	1.0	ug/L
1,1-dichloroethane	MW-4	9/17/2009		1.2	1.0	ug/L
1,1-dichloroethane	MW-4	4/05/2010		1.0	1.0	ug/L
1,1-dichloroethane	MW-4	4/04/2016		1.0	1.0	ug/L
1,1-dichloroethane	MW-4	4/24/2017		1.7	1.0	ug/L
1,1-dichloroethane	MW-4	10/09/2017		2.6	1.0	ug/L
1,1-dichloroethane	MW-4	3/21/2018		2.6	1.0	ug/L
1,1-dichloroethane	MW-4	9/15/2020		1.9	1.0	ug/L
1,1-dichloroethane	MW-4	9/28/2021		1.1	1.0	ug/L
1,2-dichloroethane	MW-4	7/07/1993		7.3	1.0	ug/L
1,2-dichloroethane	MW-4	10/12/1993		3.7	1.0	ug/L
1,2-dichloroethane	MW-4	1/24/1994		2.4	1.0	ug/L
1,2-dichloroethane	MW-4	10/13/1994		4.0	1.0	ug/L
1,2-dichloroethane	MW-4	4/25/1995		1.6	1.0	ug/L
1,2-dichloroethane	MW-4	10/18/1995		3.3	1.0	ug/L
1,2-dichloroethane	MW-4	7/31/1996		2.7	1.0	ug/L
1,2-dichloroethane	MW-4	10/09/1996		2.0	1.0	ug/L
1,2-dichloroethane	MW-4	4/23/2008		1.0	1.0	ug/L
1,2-dichloropropane	MW-4	10/16/2014		1.2	1.0	ug/L
1,2-dichloropropane	MW-4	9/18/2019		1.6	1.0	ug/L
1,2-dichloropropane	MW-4	9/28/2021		1.4	1.0	ug/L
1,2-dichloropropane	MW-4	3/07/2023		1.1	1.0	ug/L
1,2-dichloropropane	MW-4	9/11/2023		1.0	1.0	ug/L
1,4-dichlorobenzene	MW-4	7/07/1993		1.6	1.0	ug/L
1,4-dichlorobenzene	MW-4	10/12/1993		1.1	1.0	ug/L
1,4-dichlorobenzene	MW-4	4/23/2008		8.7	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,4-dichlorobenzene	MW-4	6/23/2008		6.9	1.0	ug/L
1,4-dichlorobenzene	MW-4	8/13/2008		4.9	1.0	ug/L
1,4-dichlorobenzene	MW-4	10/02/2008		5.7	1.0	ug/L
1,4-dichlorobenzene	MW-4	12/13/2008		7.1	1.0	ug/L
1,4-dichlorobenzene	MW-4	3/04/2009		5.5	1.0	ug/L
1,4-dichlorobenzene	MW-4	9/17/2009		6.0	1.0	ug/L
1,4-dichlorobenzene	MW-4	11/06/2009		5.3	1.0	ug/L
1,4-dichlorobenzene	MW-4	4/05/2010		7.2	1.0	ug/L
1,4-dichlorobenzene	MW-4	10/08/2010		3.9	1.0	ug/L
1,4-dichlorobenzene	MW-4	4/13/2011		7.2	1.0	ug/L
1,4-dichlorobenzene	MW-4	9/22/2011		5.5	1.0	ug/L
1,4-dichlorobenzene	MW-4	4/09/2012		5.2	1.0	ug/L
1,4-dichlorobenzene	MW-4	9/05/2012		9.8	1.0	ug/L
1,4-dichlorobenzene	MW-4	4/26/2013		5.0	1.0	ug/L
1,4-dichlorobenzene	MW-4	4/10/2014		7.5	1.0	ug/L
1,4-dichlorobenzene	MW-4	10/16/2014		6.8	1.0	ug/L
1,4-dichlorobenzene	MW-4	4/04/2015		5.1	1.0	ug/L
1,4-dichlorobenzene	MW-4	10/01/2015		3.9	1.0	ug/L
1,4-dichlorobenzene	MW-4	4/04/2016		5.3	1.0	ug/L
1,4-dichlorobenzene	MW-4	9/20/2016		3.5	1.0	ug/L
1,4-dichlorobenzene	MW-4	4/24/2017		5.0	1.0	ug/L
1,4-dichlorobenzene	MW-4	10/09/2017		6.5	1.0	ug/L
1,4-dichlorobenzene	MW-4	3/21/2018		6.3	1.0	ug/L
1,4-dichlorobenzene	MW-4	9/07/2018		4.9	1.0	ug/L
1,4-dichlorobenzene	MW-4	4/02/2019		10.4	1.0	ug/L
1,4-dichlorobenzene	MW-4	9/18/2019		7.5	1.0	ug/L
1,4-dichlorobenzene	MW-4	9/15/2020		6.2	1.0	ug/L
1,4-dichlorobenzene	MW-4	3/08/2021		6.3	1.0	ug/L
1,4-dichlorobenzene	MW-4	9/28/2021		6.0	1.0	ug/L
1,4-dichlorobenzene	MW-4	3/08/2022		5.8	1.0	ug/L
1,4-dichlorobenzene	MW-4	8/30/2022		4.6	1.0	ug/L
1,4-dichlorobenzene	MW-4	3/07/2023		5.7	1.0	ug/L
1,4-dichlorobenzene	MW-4	9/11/2023		7.4	1.0	ug/L
1,4-dichlorobenzene	MW-4	3/20/2024		6.0	1.0	ug/L
1,4-dichlorobenzene	MW-4	9/12/2024		5.9	1.0	ug/L
1,4-dichlorobenzene	MW-4	3/03/2025		5.3	1.0	ug/L
Acetone	MW-4	4/23/2008		12.5	10.0	ug/L
Acetone	MW-4	9/17/2009		36.7	10.0	ug/L
Acetone	MW-4	11/06/2009		19.7	10.0	ug/L
Acetone	MW-4	4/05/2010		146.0	10.0	ug/L
Acetone	MW-4	4/13/2011		29.0	10.0	ug/L
Acetone	MW-4	4/09/2012		25.9	10.0	ug/L
Acetone	MW-4	9/05/2012		209.0	10.0	ug/L
Acetone	MW-4	4/10/2014		11.0	10.0	ug/L
Acetone	MW-4	10/09/2017		11.2	10.0	ug/L
Acetone	MW-4	9/28/2021		43.4	10.0	ug/L
Benzene	MW-4	7/07/1993		5.2	1.0	ug/L
Benzene	MW-4	10/12/1993		3.9	1.0	ug/L
Benzene	MW-4	1/24/1994		2.5	1.0	ug/L
Benzene	MW-4	4/26/1994		2.1	1.0	ug/L
Benzene	MW-4	7/26/1994		2.4	1.0	ug/L
Benzene	MW-4	10/13/1994		9.1	1.0	ug/L
Benzene	MW-4	4/25/1995		3.0	1.0	ug/L
Benzene	MW-4	10/18/1995		8.5	1.0	ug/L
Benzene	MW-4	2/08/1996		9.6	1.0	ug/L
Benzene	MW-4	4/26/1996		5.9	1.0	ug/L
Benzene	MW-4	7/31/1996		7.5	1.0	ug/L
Benzene	MW-4	10/09/1996		7.5	1.0	ug/L
Benzene	MW-4	9/26/1997		3.2	1.0	ug/L
Benzene	MW-4	4/23/1998		2.6	1.0	ug/L
Benzene	MW-4	9/16/1998		3.7	1.0	ug/L
Benzene	MW-4	3/30/1999		3.1	1.0	ug/L
Benzene	MW-4	10/07/1999		3.1	1.0	ug/L
Benzene	MW-4	4/13/2000		1.9	1.0	ug/L
Benzene	MW-4	4/05/2001		7.4	1.0	ug/L
Benzene	MW-4	8/28/2001		2.3	1.0	ug/L
Benzene	MW-4	3/29/2002		2.7	1.0	ug/L
Benzene	MW-4	4/15/2003		1.0	1.0	ug/L
Benzene	MW-4	4/03/2004		1.1	1.0	ug/L
Benzene	MW-4	9/29/2004		1.7	1.0	ug/L
Benzene	MW-4	4/09/2005		1.3	1.0	ug/L
Benzene	MW-4	4/09/2006		1.2	1.0	ug/L
Benzene	MW-4	9/18/2006		3.3	1.0	ug/L
Benzene	MW-4	4/21/2007		4.4	1.0	ug/L
Benzene	MW-4	9/20/2007		5.8	1.0	ug/L
Benzene	MW-4	4/23/2008		4.8	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Benzene	MW-4	6/23/2008		4.3	1.0	ug/L
Benzene	MW-4	8/13/2008		3.9	1.0	ug/L
Benzene	MW-4	10/02/2008		4.8	1.0	ug/L
Benzene	MW-4	12/13/2008		4.1	1.0	ug/L
Benzene	MW-4	3/04/2009		3.0	1.0	ug/L
Benzene	MW-4	9/17/2009		4.0	1.0	ug/L
Benzene	MW-4	11/06/2009		3.2	1.0	ug/L
Benzene	MW-4	4/05/2010		4.4	1.0	ug/L
Benzene	MW-4	10/08/2010		2.7	1.0	ug/L
Benzene	MW-4	4/13/2011		3.3	1.0	ug/L
Benzene	MW-4	9/22/2011		2.6	1.0	ug/L
Benzene	MW-4	4/09/2012		1.7	1.0	ug/L
Benzene	MW-4	9/05/2012		2.2	1.0	ug/L
Benzene	MW-4	4/26/2013		1.3	1.0	ug/L
Benzene	MW-4	4/10/2014		1.5	1.0	ug/L
Benzene	MW-4	10/16/2014		2.4	1.0	ug/L
Benzene	MW-4	4/04/2015		1.6	1.0	ug/L
Benzene	MW-4	10/01/2015		1.3	1.0	ug/L
Benzene	MW-4	4/04/2016		1.4	1.0	ug/L
Benzene	MW-4	9/20/2016		1.2	1.0	ug/L
Benzene	MW-4	4/24/2017		1.2	1.0	ug/L
Benzene	MW-4	10/09/2017		1.3	1.0	ug/L
Benzene	MW-4	3/21/2018		1.5	1.0	ug/L
Benzene	MW-4	4/02/2019		1.0	1.0	ug/L
Benzene	MW-4	3/25/2020		1.2	1.0	ug/L
Benzene	MW-4	9/15/2020		1.3	1.0	ug/L
Benzene	MW-4	3/08/2021		1.6	1.0	ug/L
Benzene	MW-4	9/28/2021		1.4	1.0	ug/L
Benzene	MW-4	3/08/2022		1.7	1.0	ug/L
Benzene	MW-4	8/30/2022		1.2	1.0	ug/L
Benzene	MW-4	3/07/2023		1.5	1.0	ug/L
Benzene	MW-4	9/11/2023		1.7	1.0	ug/L
Benzene	MW-4	3/20/2024		1.4	1.0	ug/L
Benzene	MW-4	9/12/2024		1.3	1.0	ug/L
Benzene	MW-4	3/03/2025		1.1	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-4	4/05/2010		11	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-4	9/20/2016		10	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-4	9/28/2021		12	6	ug/L
Chloroethane	MW-4	4/23/2008		6.9	1.0	ug/L
Chloroethane	MW-4	6/23/2008		5.8	1.0	ug/L
Chloroethane	MW-4	8/13/2008		5.2	1.0	ug/L
Chloroethane	MW-4	10/02/2008		6.9	1.0	ug/L
Chloroethane	MW-4	12/13/2008		4.6	1.0	ug/L
Chloroethane	MW-4	3/04/2009		3.4	1.0	ug/L
Chloroethane	MW-4	9/17/2009		6.3	1.0	ug/L
Chloroethane	MW-4	11/06/2009		3.7	1.0	ug/L
Chloroethane	MW-4	4/05/2010		5.4	1.0	ug/L
Chloroethane	MW-4	4/13/2011		3.4	1.0	ug/L
Chloroethane	MW-4	9/22/2011		3.9	1.0	ug/L
Chloroethane	MW-4	4/09/2012		2.1	1.0	ug/L
Chloroethane	MW-4	9/05/2012		4.4	1.0	ug/L
Chloroethane	MW-4	4/26/2013		2.0	1.0	ug/L
Chloroethane	MW-4	4/10/2014		2.4	1.0	ug/L
Chloroethane	MW-4	10/16/2014		4.7	1.0	ug/L
Chloroethane	MW-4	4/04/2015		2.1	1.0	ug/L
Chloroethane	MW-4	10/01/2015		3.0	1.0	ug/L
Chloroethane	MW-4	4/04/2016		3.1	1.0	ug/L
Chloroethane	MW-4	9/20/2016		3.9	1.0	ug/L
Chloroethane	MW-4	4/24/2017		2.3	1.0	ug/L
Chloroethane	MW-4	10/09/2017		3.0	1.0	ug/L
Chloroethane	MW-4	3/21/2018		2.4	1.0	ug/L
Chloroethane	MW-4	9/07/2018		2.5	1.0	ug/L
Chloroethane	MW-4	4/02/2019		2.1	1.0	ug/L
Chloroethane	MW-4	9/18/2019		2.9	1.0	ug/L
Chloroethane	MW-4	3/25/2020		1.5	1.0	ug/L
Chloroethane	MW-4	9/15/2020		5.0	1.0	ug/L
Chloroethane	MW-4	3/08/2021		1.4	1.0	ug/L
Chloroethane	MW-4	9/28/2021		2.4	1.0	ug/L
Chloroethane	MW-4	3/08/2022		1.2	1.0	ug/L
Chloroethane	MW-4	8/30/2022		1.9	1.0	ug/L
Chloroethane	MW-4	3/07/2023		1.4	1.0	ug/L
Chloroethane	MW-4	9/11/2023		2.0	1.0	ug/L
Chloroethane	MW-4	3/20/2024		1.4	1.0	ug/L
Chloroethane	MW-4	9/12/2024		1.3	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	4/23/2008		32.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	6/23/2008		1.4	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Cis-1,2-dichloroethylene	MW-4	8/13/2008		1.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	12/13/2008		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	9/17/2009		6.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	11/06/2009		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	4/05/2010		6.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	10/08/2010		2.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	4/13/2011		1.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	9/22/2011		4.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	4/09/2012		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	9/05/2012		16.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	4/26/2013		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	10/16/2014		2.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	10/01/2015		2.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	9/20/2016		1.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	10/09/2017		2.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	9/18/2019		3.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	9/15/2020		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	9/28/2021		2.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	8/30/2022		4.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	9/11/2023		2.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	9/12/2024		2.4	1.0	ug/L
Dichlorodifluoromethane	MW-4	9/22/2011		1.6	1.0	ug/L
Dichlorodifluoromethane	MW-4	4/09/2012		1.2	1.0	ug/L
Dichlorodifluoromethane	MW-4	9/05/2012		1.4	1.0	ug/L
Dichlorodifluoromethane	MW-4	4/26/2013		1.2	1.0	ug/L
Dichlorodifluoromethane	MW-4	4/10/2014		1.7	1.0	ug/L
Dichlorodifluoromethane	MW-4	10/16/2014		3.7	1.0	ug/L
Dichlorodifluoromethane	MW-4	4/04/2015		1.1	1.0	ug/L
Dichlorodifluoromethane	MW-4	4/04/2016		1.4	1.0	ug/L
Dichlorodifluoromethane	MW-4	9/20/2016		1.1	1.0	ug/L
Dichlorodifluoromethane	MW-4	4/24/2017		1.3	1.0	ug/L
Dichlorodifluoromethane	MW-4	10/09/2017		1.0	1.0	ug/L
Dichlorodifluoromethane	MW-4	4/02/2019		2.6	1.0	ug/L
Dichlorodifluoromethane	MW-4	3/25/2020		1.1	1.0	ug/L
Ethylbenzene	MW-4	6/23/2008		1.0	1.0	ug/L
Ethylbenzene	MW-4	12/13/2008		1.1	1.0	ug/L
Methacrylonitrile	MW-4	9/22/2011		11.8	1.0	ug/L
Methane	MW-4	4/09/2012		6370	187	ug/L
Methane	MW-4	4/26/2013		6570	704	ug/L
Tetrachloroethylene	MW-4	4/23/2008		2	1	ug/L
Tetrachloro-m-xylene	MW-4	4/05/2010		.843	.010	ug/L
Toluene	MW-4	6/23/2008		2.9	1.0	ug/L
Toluene	MW-4	8/13/2008		2.2	1.0	ug/L
Toluene	MW-4	10/02/2008		2.5	1.0	ug/L
Toluene	MW-4	12/13/2008		3.4	1.0	ug/L
Toluene	MW-4	3/04/2009		2.7	1.0	ug/L
Toluene	MW-4	9/17/2009		1.1	1.0	ug/L
Toluene	MW-4	4/05/2010		1.2	1.0	ug/L
Trichloroethylene	MW-4	7/07/1993		3.6	1.0	ug/L
Trichloroethylene	MW-4	10/12/1993		1.8	1.0	ug/L
Trichloroethylene	MW-4	1/24/1994		1.2	1.0	ug/L
Trichloroethylene	MW-4	4/23/2008		3.6	1.0	ug/L
Trichloroethylene	MW-4	9/05/2012		1.8	1.0	ug/L
Vinyl chloride	MW-4	4/23/2008		5.6	1.0	ug/L
Vinyl chloride	MW-4	6/23/2008		22.6	1.0	ug/L
Vinyl chloride	MW-4	8/13/2008		14.6	1.0	ug/L
Vinyl chloride	MW-4	10/02/2008		11.1	1.0	ug/L
Vinyl chloride	MW-4	12/13/2008		6.7	1.0	ug/L
Vinyl chloride	MW-4	3/04/2009		4.4	1.0	ug/L
Vinyl chloride	MW-4	9/17/2009		8.3	1.0	ug/L
Vinyl chloride	MW-4	11/06/2009		4.4	1.0	ug/L
Vinyl chloride	MW-4	4/05/2010		16.1	1.0	ug/L
Vinyl chloride	MW-4	10/08/2010		5.0	1.0	ug/L
Vinyl chloride	MW-4	4/13/2011		2.9	1.0	ug/L
Vinyl chloride	MW-4	9/22/2011		3.9	1.0	ug/L
Vinyl chloride	MW-4	4/09/2012		1.6	1.0	ug/L
Vinyl chloride	MW-4	9/05/2012		4.0	1.0	ug/L
Vinyl chloride	MW-4	4/26/2013		2.3	1.0	ug/L
Vinyl chloride	MW-4	4/10/2014		1.7	1.0	ug/L
Vinyl chloride	MW-4	10/16/2014		4.9	1.0	ug/L
Vinyl chloride	MW-4	4/04/2015		1.3	1.0	ug/L
Vinyl chloride	MW-4	10/01/2015		2.3	1.0	ug/L
Vinyl chloride	MW-4	9/20/2016		2.2	1.0	ug/L
Vinyl chloride	MW-4	10/09/2017		1.8	1.0	ug/L
Vinyl chloride	MW-4	3/21/2018		1.8	1.0	ug/L
Vinyl chloride	MW-4	9/07/2018		1.9	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
Vinyl chloride	MW-4	4/02/2019		1.8	1.0	ug/L
Vinyl chloride	MW-4	9/18/2019		1.8	1.0	ug/L
Vinyl chloride	MW-4	3/25/2020		1.0	1.0	ug/L
Vinyl chloride	MW-4	9/15/2020		3.3	1.0	ug/L
Vinyl chloride	MW-4	9/28/2021		2.8	1.0	ug/L
Vinyl chloride	MW-4	8/30/2022		1.8	1.0	ug/L
Vinyl chloride	MW-4	9/11/2023		4.2	1.0	ug/L
Alpha-bhc	MW-5	3/25/2020		8.52	.05	ug/L
Bis(2-ethylhexyl) phthalate	MW-5	9/20/2016		10	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-5	3/25/2020		8	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-5	9/12/2024		9	6	ug/L
Chloroethane	MW-5	4/23/2008		3.9	1.0	ug/L
Chloroethane	MW-5	6/23/2008		6.3	1.0	ug/L
Chloroethane	MW-5	8/13/2008		4.4	1.0	ug/L
Chloroethane	MW-5	10/02/2008		7.6	1.0	ug/L
Chloroethane	MW-5	12/13/2008		8.1	1.0	ug/L
Chloroethane	MW-5	3/04/2009		4.7	1.0	ug/L
Chloroethane	MW-5	9/17/2009		5.4	1.0	ug/L
Chloroethane	MW-5	11/06/2009		7.2	1.0	ug/L
Chloroethane	MW-5	4/05/2010		4.8	1.0	ug/L
Chloroethane	MW-5	4/13/2011		3.3	1.0	ug/L
Chloroethane	MW-5	9/22/2011		2.9	1.0	ug/L
Chloroethane	MW-5	9/05/2012		1.0	1.0	ug/L
Chloroethane	MW-5	4/26/2013		1.5	1.0	ug/L
Chloroethane	MW-5	9/26/2013		2.1	1.0	ug/L
Chloroethane	MW-5	4/10/2014		1.3	1.0	ug/L
Chloroethane	MW-5	10/16/2014		3.2	1.0	ug/L
Chloroethane	MW-5	10/01/2015		2.0	1.0	ug/L
Chloroethane	MW-5	4/04/2016		2.7	1.0	ug/L
Chloroethane	MW-5	4/24/2017		1.9	1.0	ug/L
Chloroethane	MW-5	4/02/2019		1.0	1.0	ug/L
Chloroethane	MW-5	6/05/2019		1.3	1.0	ug/L
Chloroethane	MW-5	9/18/2019		2.0	1.0	ug/L
Chloroethane	MW-5	3/25/2020		2.0	1.0	ug/L
Chloroethane	MW-5	9/15/2020		1.9	1.0	ug/L
Chloroethane	MW-5	3/08/2021		1.8	1.0	ug/L
Chloroethane	MW-5	8/30/2022		2.7	1.0	ug/L
Chloroethane	MW-5	3/07/2023		3.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-5	4/23/2008		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-5	6/23/2008		1.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-5	12/13/2008		1.0	1.0	ug/L
Di-n-octyl phthalate	MW-5	9/20/2016		64	8	ug/L
Methane	MW-5	4/09/2012		150	7	ug/L
Tetrachloro-m-xylene	MW-5	4/05/2010		.851	.010	ug/L
1,1-dichloroethylene	MW-9	1/24/1994		4.1	1.0	ug/L
Benzene	MW-9	1/24/1994		2.7	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-9	4/10/2014		9	8	ug/L
Trichloroethylene	MW-9	1/24/1994		4.4	1.0	ug/L

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

Attachment F

Assessment Statistics for Verified VOC Detections

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
1,2-dichloropropane	ug/L	MW-4	4	0.625	0.250	1.176	0.331	0.919	5.000	
1,4-dichlorobenzene	ug/L	MW-4	4	6.150	0.889	1.176	5.104	7.196	75.000	
Benzene	ug/L	MW-4	4	1.375	0.250	1.176	1.081	1.669	5.000	dec
Chloroethane	ug/L	MW-4	4	1.300	0.616	1.176	0.575	2.025	2800.000	dec
Cis-1,2-dichloroethylene	ug/L	MW-4	4	1.525	1.190	1.176	0.125	2.925	70.000	
Vinyl chloride	ug/L	MW-4	4	1.425	1.850	1.176	0.000	3.601	2.000	dec

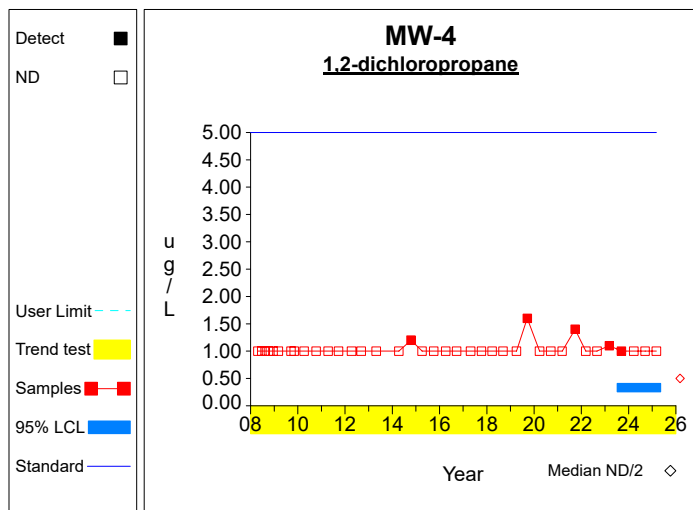
* - Insufficient Data

** - Significant Exceedance

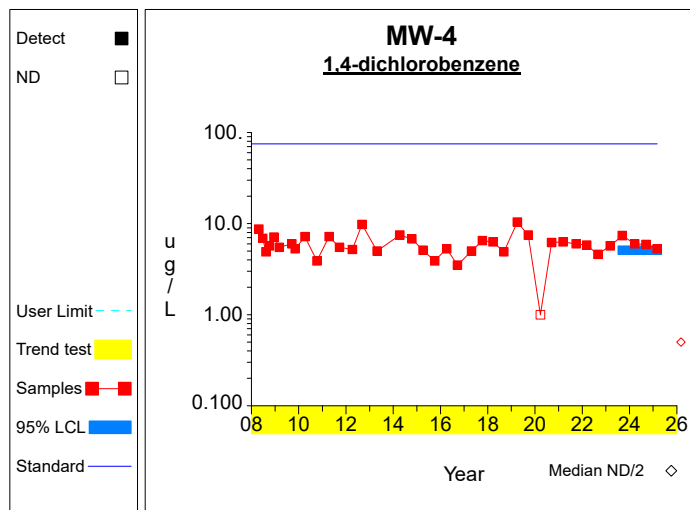
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

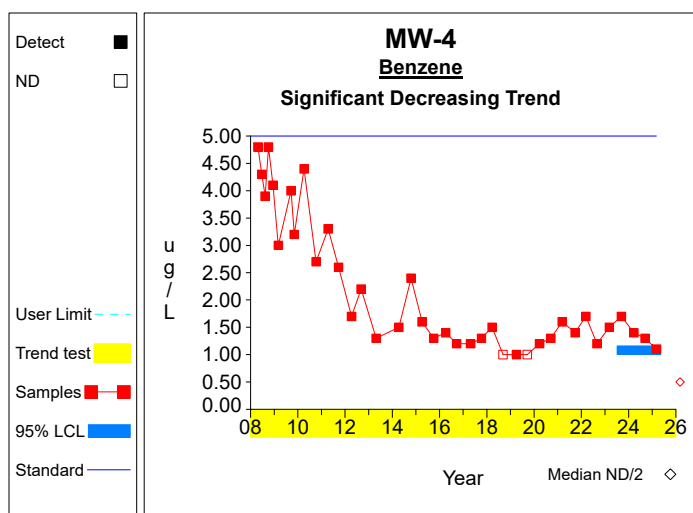
Confidence Limits (Assessment)



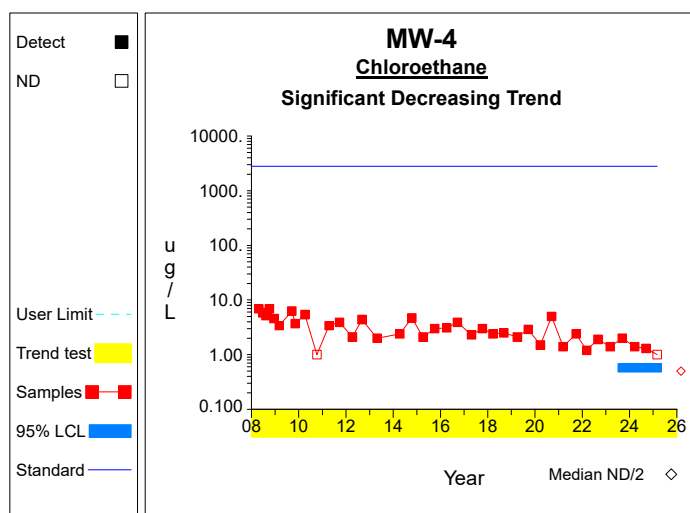
Graph 1



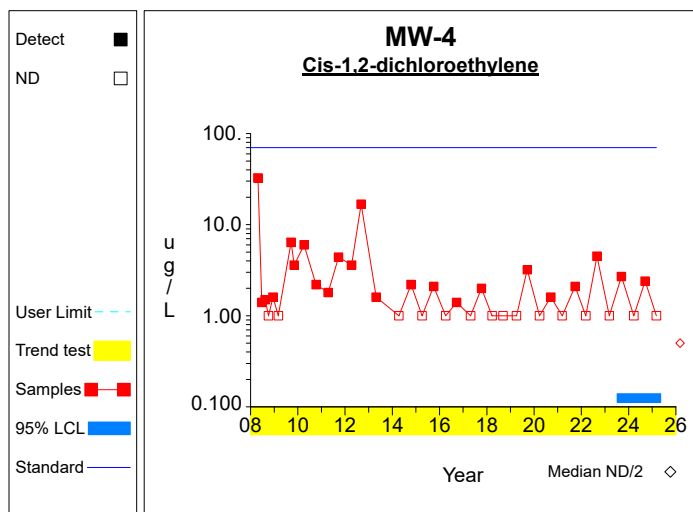
Graph 2



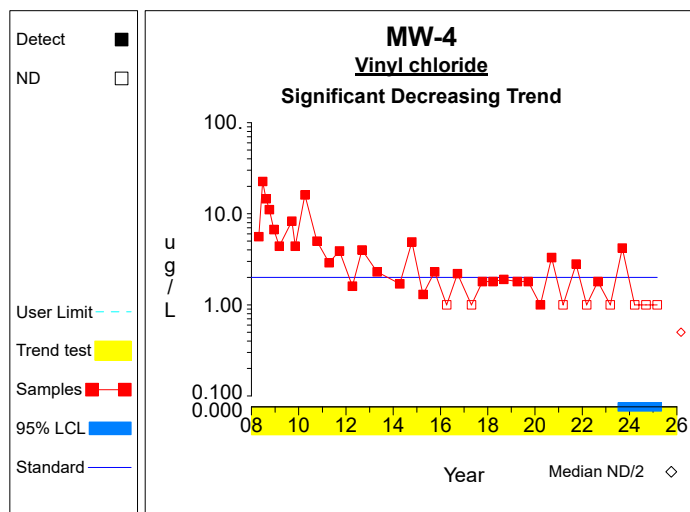
Graph 3



Graph 4



Graph 5



Graph 6

APPENDIX B.2 –2nd Statistical Evaluation

GROUND WATER STATISTICS
FOR THE
SOUTH DALLAS COUNTY SANITARY LANDFILL

Second Semi-Annual Monitoring Event in 2025

Prepared for:
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October 2025

INTRODUCTION

This report summarizes the results of the statistical analysis used to evaluate the ground water quality data obtained during the second semi-annual monitoring event in 2025 at the South Dallas County Sanitary Landfill in Adel, Dallas County, Iowa. The statistical plan was designed to detect a release from the facility at the earliest indication so that it is protective of human health and the environment. The interwell methodology is described and then applied to the South Dallas County Landfill data. The statistical plan conforms with IAC 567, Chapter 113.10 and the USEPA Unified Guidance document (“*Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities*”, March 2009).

Ground Water Monitoring Program

The groundwater monitoring network for South Dallas County Sanitary Landfill includes upgradient wells MW-2, MW-17, and MW-19A and downgradient detection sample points MW-10, MW-12, MW-15R, MW-18, MW-20R, MW-21, MW-22, MW-24, MW-4, MW-5, and MW-9. Each of the groundwater monitoring wells is to be sampled at least semiannually and analyzed for the detection monitoring parameters listed in 113.10(5), which includes 15 inorganic constituents and 47 organic compounds, summarized in Table 1 below.

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

Organic Compounds:

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

Inorganic constituents:

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

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. Both the interwell and intrawell methods were applied to the South Dallas Landfill data using the DUMPStat® statistical program. Ground water statistics are to be done on the inorganic constituents listed. The organic constituents are compared to maximum contaminant levels (MCLs) or practical quantitation limits (PQLs), in lieu of statistical comparisons to historical concentrations.

Interwell Statistics: Upgradient versus Downgradient Comparisons

Interwell statistics are appropriate when the upgradient and downgradient wells monitor the same ground water formation and there is similar variability in the upgradient and downgradient zones. Site prediction limits are determined by pooling the historical ground water data from hydraulically upgradient wells. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances. The type of prediction limit utilized (e.g., parametric or nonparametric) is based on the detection frequency and the data distribution of each parameter in the background data. The distribution of the background data is tested for normality using the Shapiro-Wilk test (Gibbons, 1994 and USEPA 1992). If the constituent is normally distributed, a normal prediction limit is used. If normality is rejected by the Shapiro-Wilk test, the background data is transformed by taking the natural logarithm. The Shapiro-Wilk test is then reapplied on the transformed data. If it is not rejected, lognormal prediction limits are used. If after transforming the data, normality is still rejected, nonparametric prediction limits are used for that analyte. The nonparametric prediction limit is the largest determination in the background measurements. For constituents where the background detection frequency is greater than 0% but less than 50%, nonparametric prediction limits will be used. If the detection frequency is 0% after thirteen samples have been collected, the practical quantitation limit (PQL) becomes the nonparametric prediction limit.

Results of the Interwell Statistics

The background data used in this statistical analysis includes the ground water data collected from ground water wells MW-2, MW-17, MW-18, MW-19A, MW-24, and MW-9 during the period from October 2014 through the current data. A summary of the background data from monitoring wells MW-2, MW-17, MW-18, MW-19A, MW-24, and MW-9, used to determine the site prediction limits, is listed in Attachment B, Table 1 “Upgradient Data”. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances.

Table 2 “Most Current Downgradient Monitoring Data”, summarizes the current data from downgradient wells MW-12, MW-15R, MW-20R, MW-21, MW-22, MW-4, and MW-5 compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks. For the data obtained during the second semi-annual monitoring event in 2025, there were no site prediction limit exceedances detected.

The detection frequencies of the parameters in the up and down gradient monitoring wells are summarized in Table 3. Barium, cobalt, and nickel are detected at a frequency greater than 50% in the upgradient wells so those metals were tested for normality. The remainder of the metals are rarely detected (less than 50%)

in the upgradient wells so nonparametric limits were used in those cases. Table 4 summarizes the results of the Shapiro-Wilk test. Table 5 is a summary of the statistics and prediction limits determined for the metals. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

A statistical power curve indicates the expected false assessments for the site as a whole. The false positive rate for interwell analyses is the percentage of failures when the upgradient versus downgradient true mean difference equals zero. False negative rate indicates the chance of missing contamination at a single well for a single constituent. The statistical power is a function of the number of wells included, the number of constituents compared, the detection frequencies, and the data distributions involved. For interwell analysis, the site-wide false positive rate is 1% and the test becomes sensitive to 4 standard deviation unit increases over background.

The past verified metals exceedances were evaluated against the ground water protection standards (GWPS) using confidence limits calculated in accordance with the Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, USEPA, March 2009 (Attachment C). The analysis was conducted to evaluate whether verified concentrations are significantly above the water quality standard. The 95% lower confidence limit (LCL) for the mean of the historical data was used to evaluate whether the regulated unit is in compliance with the ground-water protection standards under 40 CFR 264 (e.g. whether the verified constituent is detected at a significant level above the GWPS). An exceedance is verified if the LCL is above the Regulatory GWPS.

Compliance wells

The 95% LCL for arsenic at MW-15R (12.353 µg/L) exceeds the USEPA MCL of 10 µg/L.

The 95% LCL for arsenic at MW-20R (19.787 µg/L) exceeds the USEPA MCL of 10 µg/L.

The 95% LCL for arsenic at MW-22 (58.930 µg/L) exceeds the USEPA MCL of 10 µg/L.

The 95% LCL for arsenic at MW-4 (55.872 µg/L) exceeds the USEPA MCL of 10 µg/L.

Background wells

The 95% LCL for arsenic at MW-18 (13.867 µg/L) exceeds the USEPA MCL of 10 µg/L.

The 95% LCL for cobalt at MW-18 (4.791 µg/L) exceeds the Iowa Statewide Standard of 2.1 µg/L.

The 95% LCL for cobalt at MW-9 (3.998 µg/L) exceeds the Iowa Statewide Standard of 2.1 µg/L.

The remainder of the calculated LCLs are below ground water quality standards.

Intrawell Statistics

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

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

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

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

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

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

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

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

Results of the Intrawell Statistics

The Appendix I trace metals data from compliance wells MW-12, MW-15R, MW-20R, MW-21, MW-22, MW-4, and MW-5 were evaluated using the combined Shewhart-CUSUM control chart method. The previous background included the data obtained from October 2014 through 2020. As ground water monitoring at a municipal solid waste facility proceeds, it is recommended to update background data sets periodically with valid detection monitoring results that are representative of background groundwater quality not affected by leakage from a monitored unit. Failure to update background will exclude factors such as natural temporal variation, changes in field or laboratory methodologies, and changes in the water table due to meteorological conditions or other influences. Since there were no exceedances attributed to the landfill, the background was updated to include data obtained from October 2014 through 2024.

A summary of the intrawell statistics is included in Attachment D, Table 1 “Summary Statistics and Intermediate Computations for Combined Shewhart-CUSUM Control Charts.” The control charts or time series graphs follow the summary table. For the parameters evaluated, there were no control limit exceedances detected. Increasing trends were detected in the background data for arsenic at MW-5 and barium at MW-5.

A control chart factor was selected to provide a balance of the site-wide false positive and false negative rates. A statistical power curve indicates the expected false assessments for the site as a whole. Given an accepted resample verification plan of “pass one of one” resamples, the number of statistical comparisons, and the number of background data points, the optimal factor $h = SCL = 6.5$ for $N < 12$. Using this factor for intrawell analysis, the site-wide false positive rate is 9% and the test becomes sensitive to 4 standard deviation units over background.

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. VOCs detected in the ground water at South Dallas County Landfill during the second semi-annual monitoring event in 2025 are summarized below.

VOCs detected at South Dallas County Landfill during the second semi-annual monitoring event in 2025

Well	VOC Detected	Result, µg/L	Reporting Limit, µg/L	Verified/ Awaiting Verification	Groundwater Standard, µg/L
MW-12	Chloroethane	1.0	1	Awaiting Verification	2800 ^b
MW-22	Benzene	1.5	1	Awaiting Verification	5 ^a
MW-4	1,4-Dichlorobenzene	5.7	1	Verified	75 ^a
	Benzene	1.4	1	Verified	5 ^a
	Chloroethane	2.2	1	Awaiting Verification	2800 ^b
	cis-1,2-Dichloroethene	1.7	1	Awaiting Verification	70 ^a
	Vinyl chloride	2.0	1	Awaiting Verification	2 ^a
MW-5	Chloroethane	2.9	1	Awaiting Verification	2800 ^b

a - USEPA MCL

b – Iowa Statewide Standard

These VOCs are often associated with landfill gas migration. Historical VOC detections are summarized in Attachment E. 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 F). The calculated LCLs are all below ground water quality standards for each of the verified detections.

CONCLUSIONS

This report summarizes the statistical analyses used to evaluate the ground water data obtained during the second semi-annual monitoring event in 2025 at South Dallas County Sanitary Landfill. Monitoring wells MW-12, MW-15R, MW-17, MW-18, MW-19A, MW-20R, MW-21, MW-22, MW-24, MW-4, MW-5, and MW-9 were sampled on September 25, 2025 and analyzed for the parameters required by permit. The ground water data was compared to background using prediction limits. There were no site prediction limit exceedances detected. Using intrawell comparisons, there were no control limit exceedances. The VOCs were compared to MCLs or PQLs, in lieu of statistical comparisons to historical concentrations. There are verified detections of 1,4-dichlorobenzene and benzene at MW-4.

Attachment A

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

Table 1

Analytical Data Summary for 9/25/2025

Constituents	Units	MW-12	MW-15R	MW-17	MW-18	MW-19A	MW-20R	MW-21	MW-22	MW-24	MW-25	MW-26	MW-4	MW-5	MW-9
1,1,1,2-tetrachloroethane	ug/L	<1	<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
1,1,2,2-tetrachloroethane	ug/L	<1	<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
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<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	<5
1,2-dibromoethane	ug/L	<1	<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
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,4-dichlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			5.7	<1.0	<1.0
2-butanone (mek)	ug/L	<10	<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	<5
4-methyl-2-pentanone (mibk)	ug/L	<5	<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	<10
Acrylonitrile	ug/L	<5	<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	<1
Arsenic, total	ug/L	6.0	20.6	<2.0	13.9	<2.0	40.0	7.0	70.4	7.4	5.6	12.9	67.5	10.8	3.0
Barium, total	ug/L	339.0	435.0	177.0	718.0	41.9	759.0	557.0	392.0	291.0	161.0	357.0	1100.0	285.0	323.0
Benzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.5	<1.0			1.4	<1.0	<1.0
Beryllium, total	ug/L	<.5	<.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	<1
Bromodichloromethane	ug/L	<1	<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	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Cadmium, total	ug/L	<.2	.2	.2	.2	.2	<.2	<.2	<.2	3.7			<.2	.2	.7
Carbon disulfide	ug/L	<1	<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	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Chloroethane	ug/L	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			2.2	2.9	<1.0
Chloroform	ug/L	<1	<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	<1
Chromium, total	ug/L	1.0	<1.0	1.4	1.1	1.3	1.2	<1.0	1.0	1.6			1.1	<1.0	1.4
Cis-1,2-dichloroethylene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			1.7	<1.0	<1.0
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Cobalt, total	ug/L	5.6	4.1	4.6	7.1	1.0	.7	.5	2.4	<.5			1.4	5.9	4.6
Copper, total	ug/L	<5	<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	<1
Dibromomethane	ug/L	<1	<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	<1
Lead, total	ug/L	<1	<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	<1
Methylene chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Nickel, total	ug/L	9.1	5.5	12.8	11.6	9.2	<5.0	7.1	5.0	<5.0			<5.0	6.2	10.2
Selenium, total	ug/L	<2	<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	<5
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Tetrachloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Thallium, total	ug/L	<.5	<.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	<1
Trans-1,2-dichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1

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

Table 1

Analytical Data Summary for 9/25/2025

Constituents	Units	MW-12	MW-15R	MW-17	MW-18	MW-19A	MW-20R	MW-21	MW-22	MW-24	MW-25	MW-26	MW-4	MW-5	MW-9
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Trichloroethylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Vanadium, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2			<2	<2	<2
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<1
Xylenes, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2			<2	<2	<2
Zinc, total	ug/L	9.7	<5.0	5.7	6.2	5.9	<5.0	<5.0	<5.0	10.1			<5.0	<5.0	8.0

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

Attachment B

Summary Tables and Graphs for the Interwell Comparisons

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-17	10/16/2014	ND	2.0000		
Antimony, total	ug/L	MW-17	04/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-17	10/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-17	04/04/2016	ND	2.0000		
Antimony, total	ug/L	MW-17	09/20/2016	ND	2.0000		
Antimony, total	ug/L	MW-17	04/24/2017	ND	2.0000		
Antimony, total	ug/L	MW-17	10/09/2017	ND	2.0000		
Antimony, total	ug/L	MW-17	03/21/2018	ND	2.0000		
Antimony, total	ug/L	MW-17	09/07/2018	ND	2.0000		
Antimony, total	ug/L	MW-17	04/02/2019	ND	2.0000		
Antimony, total	ug/L	MW-17	09/18/2019	ND	2.0000		
Antimony, total	ug/L	MW-17	03/25/2020	ND	2.0000		
Antimony, total	ug/L	MW-17	09/15/2020	ND	2.0000		
Antimony, total	ug/L	MW-17	03/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-17	09/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-17	03/08/2022	ND	2.0000		
Antimony, total	ug/L	MW-17	08/30/2022	ND	2.0000		
Antimony, total	ug/L	MW-17	03/07/2023	ND	2.0000		
Antimony, total	ug/L	MW-17	09/11/2023	ND	2.0000		
Antimony, total	ug/L	MW-17	03/20/2024	ND	2.0000		
Antimony, total	ug/L	MW-17	09/12/2024	ND	2.0000		
Antimony, total	ug/L	MW-17	03/03/2025	ND	2.0000		
Antimony, total	ug/L	MW-17	09/25/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-17	10/16/2014	ND	4.0000		
Arsenic, total	ug/L	MW-17	04/04/2015	ND	4.0000		
Arsenic, total	ug/L	MW-17	10/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-17	04/04/2016	ND	4.0000		
Arsenic, total	ug/L	MW-17	09/20/2016	ND	4.0000		
Arsenic, total	ug/L	MW-17	04/24/2017	ND	4.0000		
Arsenic, total	ug/L	MW-17	10/09/2017	ND	4.0000		
Arsenic, total	ug/L	MW-17	03/21/2018		5.0000		
Arsenic, total	ug/L	MW-17	09/07/2018	ND	4.0000		
Arsenic, total	ug/L	MW-17	04/02/2019		4.4000		
Arsenic, total	ug/L	MW-17	09/18/2019	ND	4.0000		
Arsenic, total	ug/L	MW-17	03/25/2020	ND	4.0000		
Arsenic, total	ug/L	MW-17	09/15/2020	ND	4.0000		
Arsenic, total	ug/L	MW-17	03/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-17	09/28/2021	ND	4.0000		
Arsenic, total	ug/L	MW-17	03/08/2022	ND	4.0000		
Arsenic, total	ug/L	MW-17	08/30/2022	ND	4.0000		
Arsenic, total	ug/L	MW-17	03/07/2023	ND	4.0000		
Arsenic, total	ug/L	MW-17	09/11/2023	ND	4.0000		
Arsenic, total	ug/L	MW-17	03/20/2024	ND	4.0000		
Arsenic, total	ug/L	MW-17	09/12/2024	ND	4.0000		
Arsenic, total	ug/L	MW-17	03/03/2025	ND	4.0000		
Arsenic, total	ug/L	MW-17	09/25/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-17	10/16/2014		173.0000		
Barium, total	ug/L	MW-17	04/04/2015		185.0000		
Barium, total	ug/L	MW-17	10/01/2015		142.0000		
Barium, total	ug/L	MW-17	04/04/2016		143.0000		
Barium, total	ug/L	MW-17	09/20/2016		174.0000		
Barium, total	ug/L	MW-17	04/24/2017		172.0000		
Barium, total	ug/L	MW-17	10/09/2017		182.0000		
Barium, total	ug/L	MW-17	03/21/2018		233.0000		
Barium, total	ug/L	MW-17	09/07/2018		131.0000		
Barium, total	ug/L	MW-17	04/02/2019		179.0000		
Barium, total	ug/L	MW-17	09/18/2019		138.0000		
Barium, total	ug/L	MW-17	03/25/2020		123.0000		
Barium, total	ug/L	MW-17	09/15/2020		180.0000		
Barium, total	ug/L	MW-17	03/08/2021		160.0000		
Barium, total	ug/L	MW-17	09/28/2021		179.0000		
Barium, total	ug/L	MW-17	03/08/2022		192.0000		
Barium, total	ug/L	MW-17	08/30/2022		137.0000		
Barium, total	ug/L	MW-17	03/07/2023		162.0000		
Barium, total	ug/L	MW-17	09/11/2023		149.0000		
Barium, total	ug/L	MW-17	03/20/2024		149.0000		
Barium, total	ug/L	MW-17	09/12/2024		153.0000		
Barium, total	ug/L	MW-17	03/03/2025		152.0000		
Barium, total	ug/L	MW-17	09/25/2025		177.0000		
Beryllium, total	ug/L	MW-17	10/16/2014	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/04/2016	ND	4.0000		
Beryllium, total	ug/L	MW-17	09/20/2016	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	
Beryllium, total	ug/L	MW-17	04/24/2017	ND	4.0000		
Beryllium, total	ug/L	MW-17	10/09/2017	ND	4.0000		
Beryllium, total	ug/L	MW-17	03/21/2018	ND	4.0000		
Beryllium, total	ug/L	MW-17	09/07/2018	ND	4.0000		
Beryllium, total	ug/L	MW-17	04/02/2019	ND	4.0000		
Beryllium, total	ug/L	MW-17	09/18/2019	ND	4.0000		
Beryllium, total	ug/L	MW-17	03/25/2020	ND	4.0000		
Beryllium, total	ug/L	MW-17	09/15/2020	ND	4.0000		
Beryllium, total	ug/L	MW-17	03/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-17	09/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-17	03/08/2022	ND	4.0000		
Beryllium, total	ug/L	MW-17	08/30/2022	ND	4.0000		
Beryllium, total	ug/L	MW-17	03/07/2023	ND	4.0000		
Beryllium, total	ug/L	MW-17	09/11/2023	ND	4.0000		
Beryllium, total	ug/L	MW-17	03/20/2024	ND	4.0000		
Beryllium, total	ug/L	MW-17	09/12/2024	ND	4.0000		
Beryllium, total	ug/L	MW-17	03/03/2025	ND	4.0000		*
Beryllium, total	ug/L	MW-17	09/25/2025	ND	0.5000		
Cadmium, total	ug/L	MW-17	10/16/2014	ND	0.8000		
Cadmium, total	ug/L	MW-17	04/04/2015	ND	0.8000		
Cadmium, total	ug/L	MW-17	10/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-17	04/04/2016		1.0000		
Cadmium, total	ug/L	MW-17	09/20/2016	ND	0.8000		
Cadmium, total	ug/L	MW-17	04/24/2017		0.9000		
Cadmium, total	ug/L	MW-17	10/09/2017	ND	0.8000		
Cadmium, total	ug/L	MW-17	03/21/2018	ND	0.8000		
Cadmium, total	ug/L	MW-17	09/07/2018	ND	0.8000		
Cadmium, total	ug/L	MW-17	04/02/2019	ND	0.8000		
Cadmium, total	ug/L	MW-17	09/18/2019	ND	0.8000		
Cadmium, total	ug/L	MW-17	03/25/2020	ND	0.8000		
Cadmium, total	ug/L	MW-17	09/15/2020		0.8000		
Cadmium, total	ug/L	MW-17	03/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-17	09/28/2021		1.1000		
Cadmium, total	ug/L	MW-17	03/08/2022	ND	0.8000		
Cadmium, total	ug/L	MW-17	08/30/2022	ND	0.8000		
Cadmium, total	ug/L	MW-17	03/07/2023	ND	0.8000		
Cadmium, total	ug/L	MW-17	09/11/2023	ND	0.8000		
Cadmium, total	ug/L	MW-17	03/20/2024	ND	0.8000		
Cadmium, total	ug/L	MW-17	09/12/2024	ND	0.8000		
Cadmium, total	ug/L	MW-17	03/03/2025	ND	0.8000		*
Cadmium, total	ug/L	MW-17	09/25/2025		0.2000		
Chromium, total	ug/L	MW-17	10/16/2014	ND	8.0000		
Chromium, total	ug/L	MW-17	04/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-17	10/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-17	04/04/2016	ND	8.0000		
Chromium, total	ug/L	MW-17	09/20/2016	ND	8.0000		
Chromium, total	ug/L	MW-17	04/24/2017	ND	8.0000		
Chromium, total	ug/L	MW-17	10/09/2017	ND	8.0000		
Chromium, total	ug/L	MW-17	03/21/2018	ND	8.0000		
Chromium, total	ug/L	MW-17	09/07/2018	ND	8.0000		
Chromium, total	ug/L	MW-17	04/02/2019	ND	8.0000		
Chromium, total	ug/L	MW-17	09/18/2019	ND	8.0000		
Chromium, total	ug/L	MW-17	03/25/2020	ND	8.0000		
Chromium, total	ug/L	MW-17	09/15/2020	ND	8.0000		
Chromium, total	ug/L	MW-17	03/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-17	09/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-17	03/08/2022	ND	8.0000		
Chromium, total	ug/L	MW-17	08/30/2022	ND	8.0000		
Chromium, total	ug/L	MW-17	03/07/2023	ND	8.0000		
Chromium, total	ug/L	MW-17	09/11/2023	ND	8.0000		
Chromium, total	ug/L	MW-17	03/20/2024	ND	8.0000		
Chromium, total	ug/L	MW-17	09/12/2024	ND	8.0000		
Chromium, total	ug/L	MW-17	03/03/2025	ND	8.0000		*
Chromium, total	ug/L	MW-17	09/25/2025		1.4000		
Cobalt, total	ug/L	MW-17	10/16/2014		8.1000		
Cobalt, total	ug/L	MW-17	04/04/2015		9.7000		
Cobalt, total	ug/L	MW-17	10/01/2015		7.0000		
Cobalt, total	ug/L	MW-17	04/04/2016		4.6000		
Cobalt, total	ug/L	MW-17	09/20/2016		4.3000		
Cobalt, total	ug/L	MW-17	04/24/2017		5.2000		
Cobalt, total	ug/L	MW-17	10/09/2017		6.9000		
Cobalt, total	ug/L	MW-17	03/21/2018		23.0000		
Cobalt, total	ug/L	MW-17	09/07/2018		8.6000		
Cobalt, total	ug/L	MW-17	04/02/2019		46.5000		*

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, total	ug/L	MW-17	09/18/2019		54.8000		*
Cobalt, total	ug/L	MW-17	03/25/2020		7.2000		
Cobalt, total	ug/L	MW-17	09/15/2020		11.3000		
Cobalt, total	ug/L	MW-17	03/08/2021		7.4000		
Cobalt, total	ug/L	MW-17	09/28/2021		13.4000		
Cobalt, total	ug/L	MW-17	03/08/2022		5.5000		
Cobalt, total	ug/L	MW-17	08/30/2022		1.5000		
Cobalt, total	ug/L	MW-17	03/07/2023		13.0000		
Cobalt, total	ug/L	MW-17	09/11/2023		0.6000		
Cobalt, total	ug/L	MW-17	03/20/2024		0.7000		
Cobalt, total	ug/L	MW-17	09/12/2024		3.6000		
Cobalt, total	ug/L	MW-17	03/03/2025		1.9000		
Cobalt, total	ug/L	MW-17	09/25/2025		4.6000		
Copper, total	ug/L	MW-17	10/16/2014		4.6000		
Copper, total	ug/L	MW-17	04/04/2015	ND	4.0000		
Copper, total	ug/L	MW-17	10/01/2015	ND	4.0000		
Copper, total	ug/L	MW-17	04/04/2016	ND	4.0000		
Copper, total	ug/L	MW-17	09/20/2016	ND	4.0000		
Copper, total	ug/L	MW-17	04/24/2017	ND	4.0000		
Copper, total	ug/L	MW-17	10/09/2017		5.3000		
Copper, total	ug/L	MW-17	03/21/2018		4.3000		
Copper, total	ug/L	MW-17	09/07/2018	ND	4.0000		
Copper, total	ug/L	MW-17	04/02/2019	ND	4.0000		
Copper, total	ug/L	MW-17	09/18/2019	ND	4.0000		
Copper, total	ug/L	MW-17	03/25/2020		4.2000		
Copper, total	ug/L	MW-17	09/15/2020		4.3000		
Copper, total	ug/L	MW-17	03/08/2021	ND	4.0000		
Copper, total	ug/L	MW-17	09/28/2021		7.4000		
Copper, total	ug/L	MW-17	03/08/2022		4.0000		
Copper, total	ug/L	MW-17	08/30/2022	ND	4.0000		
Copper, total	ug/L	MW-17	03/07/2023	ND	4.0000		
Copper, total	ug/L	MW-17	09/11/2023	ND	4.0000		
Copper, total	ug/L	MW-17	03/20/2024	ND	4.0000		
Copper, total	ug/L	MW-17	09/12/2024	ND	4.0000		
Copper, total	ug/L	MW-17	03/03/2025	ND	4.0000		
Copper, total	ug/L	MW-17	09/25/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-17	10/16/2014	ND	4.0000		
Lead, total	ug/L	MW-17	04/04/2015	ND	4.0000		
Lead, total	ug/L	MW-17	10/01/2015	ND	4.0000		
Lead, total	ug/L	MW-17	04/04/2016	ND	4.0000		
Lead, total	ug/L	MW-17	09/20/2016	ND	4.0000		
Lead, total	ug/L	MW-17	04/24/2017	ND	4.0000		
Lead, total	ug/L	MW-17	10/09/2017	ND	4.0000		
Lead, total	ug/L	MW-17	03/21/2018	ND	4.0000		
Lead, total	ug/L	MW-17	09/07/2018	ND	4.0000		
Lead, total	ug/L	MW-17	04/02/2019	ND	4.0000		
Lead, total	ug/L	MW-17	09/18/2019	ND	4.0000		
Lead, total	ug/L	MW-17	03/25/2020	ND	4.0000		
Lead, total	ug/L	MW-17	09/15/2020	ND	4.0000		
Lead, total	ug/L	MW-17	03/08/2021	ND	4.0000		
Lead, total	ug/L	MW-17	09/28/2021	ND	4.0000		
Lead, total	ug/L	MW-17	03/08/2022	ND	4.0000		
Lead, total	ug/L	MW-17	08/30/2022	ND	4.0000		
Lead, total	ug/L	MW-17	03/07/2023	ND	4.0000		
Lead, total	ug/L	MW-17	09/11/2023	ND	4.0000		
Lead, total	ug/L	MW-17	03/20/2024	ND	4.0000		
Lead, total	ug/L	MW-17	09/12/2024	ND	4.0000		
Lead, total	ug/L	MW-17	03/03/2025	ND	4.0000		
Lead, total	ug/L	MW-17	09/25/2025	ND	1.0000		*
Nickel, total	ug/L	MW-17	10/16/2014		9.9000		
Nickel, total	ug/L	MW-17	04/04/2015		7.8000		
Nickel, total	ug/L	MW-17	10/01/2015		13.7000		
Nickel, total	ug/L	MW-17	04/04/2016		4.7000		
Nickel, total	ug/L	MW-17	09/20/2016	ND	4.0000		
Nickel, total	ug/L	MW-17	04/24/2017		6.3000		
Nickel, total	ug/L	MW-17	10/09/2017		8.0000		
Nickel, total	ug/L	MW-17	03/21/2018	ND	20.0000		
Nickel, total	ug/L	MW-17	09/07/2018		7.2000		
Nickel, total	ug/L	MW-17	04/02/2019		15.9000		
Nickel, total	ug/L	MW-17	09/18/2019		10.9000		
Nickel, total	ug/L	MW-17	03/25/2020		8.2000		
Nickel, total	ug/L	MW-17	09/15/2020		10.7000		
Nickel, total	ug/L	MW-17	03/08/2021		12.0000		
Nickel, total	ug/L	MW-17	09/28/2021		16.7000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Nickel, total	ug/L	MW-17	03/08/2022		6.4000		
Nickel, total	ug/L	MW-17	08/30/2022		6.1000		
Nickel, total	ug/L	MW-17	03/07/2023		9.1000		
Nickel, total	ug/L	MW-17	09/11/2023		5.9000		
Nickel, total	ug/L	MW-17	03/20/2024		4.9000		
Nickel, total	ug/L	MW-17	09/12/2024		6.6000		
Nickel, total	ug/L	MW-17	03/03/2025		6.8000		
Nickel, total	ug/L	MW-17	09/25/2025		12.8000		
Selenium, total	ug/L	MW-17	10/16/2014	ND	4.0000		
Selenium, total	ug/L	MW-17	04/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-17	10/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-17	04/04/2016	ND	4.0000		
Selenium, total	ug/L	MW-17	09/20/2016	ND	4.0000		
Selenium, total	ug/L	MW-17	04/24/2017	ND	4.0000		
Selenium, total	ug/L	MW-17	10/09/2017	ND	4.0000		
Selenium, total	ug/L	MW-17	03/21/2018	ND	4.0000		
Selenium, total	ug/L	MW-17	09/07/2018	ND	4.0000		
Selenium, total	ug/L	MW-17	04/02/2019	ND	4.0000		
Selenium, total	ug/L	MW-17	09/18/2019	ND	4.0000		
Selenium, total	ug/L	MW-17	03/25/2020	ND	4.0000		
Selenium, total	ug/L	MW-17	09/15/2020	ND	4.0000		
Selenium, total	ug/L	MW-17	03/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-17	09/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-17	03/08/2022	ND	4.0000		
Selenium, total	ug/L	MW-17	08/30/2022	ND	4.0000		
Selenium, total	ug/L	MW-17	03/07/2023	ND	4.0000		
Selenium, total	ug/L	MW-17	09/11/2023	ND	4.0000		
Selenium, total	ug/L	MW-17	03/20/2024		7.5000		
Selenium, total	ug/L	MW-17	09/12/2024		6.8000		
Selenium, total	ug/L	MW-17	03/03/2025	ND	4.0000		
Selenium, total	ug/L	MW-17	09/25/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-17	10/16/2014	ND	4.0000		
Silver, total	ug/L	MW-17	04/04/2015	ND	4.0000		
Silver, total	ug/L	MW-17	10/01/2015	ND	4.0000		
Silver, total	ug/L	MW-17	04/04/2016	ND	4.0000		
Silver, total	ug/L	MW-17	09/20/2016	ND	4.0000		
Silver, total	ug/L	MW-17	04/24/2017	ND	4.0000		
Silver, total	ug/L	MW-17	10/09/2017	ND	4.0000		
Silver, total	ug/L	MW-17	03/21/2018	ND	4.0000		
Silver, total	ug/L	MW-17	09/07/2018	ND	4.0000		
Silver, total	ug/L	MW-17	04/02/2019	ND	4.0000		
Silver, total	ug/L	MW-17	09/18/2019	ND	4.0000		
Silver, total	ug/L	MW-17	03/25/2020	ND	4.0000		
Silver, total	ug/L	MW-17	09/15/2020	ND	4.0000		
Silver, total	ug/L	MW-17	03/08/2021	ND	4.0000		
Silver, total	ug/L	MW-17	09/28/2021	ND	4.0000		
Silver, total	ug/L	MW-17	03/08/2022	ND	4.0000		
Silver, total	ug/L	MW-17	08/30/2022	ND	4.0000		
Silver, total	ug/L	MW-17	03/07/2023	ND	4.0000		
Silver, total	ug/L	MW-17	09/11/2023	ND	4.0000		
Silver, total	ug/L	MW-17	03/20/2024	ND	4.0000		
Silver, total	ug/L	MW-17	09/12/2024	ND	4.0000		
Silver, total	ug/L	MW-17	03/03/2025	ND	4.0000		
Silver, total	ug/L	MW-17	09/25/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-17	10/16/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	04/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	10/01/2015	ND	1.0000	2.0000	**
Thallium, total	ug/L	MW-17	04/04/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	09/20/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	04/24/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	10/09/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	03/21/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	09/07/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-17	04/02/2019	ND	2.0000		
Thallium, total	ug/L	MW-17	09/18/2019	ND	2.0000		
Thallium, total	ug/L	MW-17	03/25/2020	ND	2.0000		
Thallium, total	ug/L	MW-17	09/15/2020	ND	2.0000		
Thallium, total	ug/L	MW-17	03/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-17	09/28/2021	ND	2.0000		
Thallium, total	ug/L	MW-17	03/08/2022	ND	2.0000		
Thallium, total	ug/L	MW-17	08/30/2022	ND	2.0000		
Thallium, total	ug/L	MW-17	03/07/2023		2.3000		
Thallium, total	ug/L	MW-17	09/11/2023	ND	2.0000		
Thallium, total	ug/L	MW-17	03/20/2024	ND	2.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium, total	ug/L	MW-17	09/12/2024	ND	2.0000		
Thallium, total	ug/L	MW-17	03/03/2025	ND	2.0000		
Thallium, total	ug/L	MW-17	09/25/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-17	10/16/2014	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/04/2016	ND	20.0000		
Vanadium, total	ug/L	MW-17	09/20/2016	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/24/2017	ND	20.0000		
Vanadium, total	ug/L	MW-17	10/09/2017	ND	20.0000		
Vanadium, total	ug/L	MW-17	03/21/2018	ND	20.0000		
Vanadium, total	ug/L	MW-17	09/07/2018	ND	20.0000		
Vanadium, total	ug/L	MW-17	04/02/2019	ND	20.0000		
Vanadium, total	ug/L	MW-17	09/18/2019	ND	20.0000		
Vanadium, total	ug/L	MW-17	03/25/2020	ND	20.0000		
Vanadium, total	ug/L	MW-17	09/15/2020	ND	20.0000		
Vanadium, total	ug/L	MW-17	03/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-17	09/28/2021	ND	20.0000		
Vanadium, total	ug/L	MW-17	03/08/2022	ND	20.0000		
Vanadium, total	ug/L	MW-17	08/30/2022	ND	20.0000		
Vanadium, total	ug/L	MW-17	03/07/2023	ND	20.0000		
Vanadium, total	ug/L	MW-17	09/11/2023	ND	20.0000		
Vanadium, total	ug/L	MW-17	03/20/2024	ND	20.0000		
Vanadium, total	ug/L	MW-17	09/12/2024	ND	20.0000		
Vanadium, total	ug/L	MW-17	03/03/2025	ND	20.0000		
Vanadium, total	ug/L	MW-17	09/25/2025	ND	2.0000		*
Zinc, total	ug/L	MW-17	10/16/2014	ND	20.0000		
Zinc, total	ug/L	MW-17	04/04/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	10/01/2015		10.9000		
Zinc, total	ug/L	MW-17	04/04/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	09/20/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	04/24/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	10/09/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	03/21/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-17	09/07/2018		67.4000		*
Zinc, total	ug/L	MW-17	04/02/2019		33.3000		
Zinc, total	ug/L	MW-17	09/18/2019		61.5000		*
Zinc, total	ug/L	MW-17	03/25/2020	ND	20.0000		
Zinc, total	ug/L	MW-17	09/15/2020	ND	20.0000		
Zinc, total	ug/L	MW-17	03/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-17	09/28/2021	ND	20.0000		
Zinc, total	ug/L	MW-17	03/08/2022	ND	20.0000		
Zinc, total	ug/L	MW-17	08/30/2022	ND	20.0000		
Zinc, total	ug/L	MW-17	03/07/2023	ND	20.0000		
Zinc, total	ug/L	MW-17	09/11/2023	ND	20.0000		
Zinc, total	ug/L	MW-17	03/20/2024	ND	20.0000		
Zinc, total	ug/L	MW-17	09/12/2024	ND	20.0000		
Zinc, total	ug/L	MW-17	03/03/2025	ND	20.0000		
Zinc, total	ug/L	MW-17	09/25/2025		5.7000		
Antimony, total	ug/L	MW-18	10/16/2014	ND	2.0000		
Antimony, total	ug/L	MW-18	04/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-18	10/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-18	04/04/2016	ND	2.0000		
Antimony, total	ug/L	MW-18	09/20/2016	ND	2.0000		
Antimony, total	ug/L	MW-18	04/24/2017	ND	2.0000		
Antimony, total	ug/L	MW-18	10/09/2017	ND	2.0000		
Antimony, total	ug/L	MW-18	03/21/2018	ND	2.0000		
Antimony, total	ug/L	MW-18	09/07/2018	ND	2.0000		
Antimony, total	ug/L	MW-18	04/02/2019	ND	2.0000		
Antimony, total	ug/L	MW-18	09/18/2019	ND	2.0000		
Antimony, total	ug/L	MW-18	03/25/2020	ND	2.0000		
Antimony, total	ug/L	MW-18	09/15/2020	ND	2.0000		
Antimony, total	ug/L	MW-18	03/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-18	09/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-18	03/08/2022	ND	2.0000		
Antimony, total	ug/L	MW-18	08/30/2022	ND	2.0000		
Antimony, total	ug/L	MW-18	03/07/2023	ND	2.0000		
Antimony, total	ug/L	MW-18	09/11/2023	ND	2.0000		
Antimony, total	ug/L	MW-18	03/20/2024	ND	2.0000		
Antimony, total	ug/L	MW-18	09/12/2024	ND	2.0000		
Antimony, total	ug/L	MW-18	03/03/2025	ND	2.0000		
Antimony, total	ug/L	MW-18	09/25/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-18	10/16/2014		25.7000		
Arsenic, total	ug/L	MW-18	04/04/2015		34.2000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic, total	ug/L	MW-18	10/01/2015		21.1000		
Arsenic, total	ug/L	MW-18	04/04/2016		26.2000		
Arsenic, total	ug/L	MW-18	09/20/2016		23.4000		
Arsenic, total	ug/L	MW-18	04/24/2017		22.3000		
Arsenic, total	ug/L	MW-18	10/09/2017		23.5000		
Arsenic, total	ug/L	MW-18	03/21/2018		21.1000		
Arsenic, total	ug/L	MW-18	09/07/2018		19.4000		
Arsenic, total	ug/L	MW-18	04/02/2019		21.5000		
Arsenic, total	ug/L	MW-18	09/18/2019		21.7000		
Arsenic, total	ug/L	MW-18	03/25/2020		19.4000		
Arsenic, total	ug/L	MW-18	09/15/2020		23.4000		
Arsenic, total	ug/L	MW-18	03/08/2021		23.3000		
Arsenic, total	ug/L	MW-18	09/28/2021		19.9000		
Arsenic, total	ug/L	MW-18	03/08/2022		21.3000		
Arsenic, total	ug/L	MW-18	08/30/2022		27.3000		
Arsenic, total	ug/L	MW-18	03/07/2023		18.3000		
Arsenic, total	ug/L	MW-18	09/11/2023		18.7000		
Arsenic, total	ug/L	MW-18	03/20/2024		16.8000		
Arsenic, total	ug/L	MW-18	09/12/2024		16.2000		
Arsenic, total	ug/L	MW-18	03/03/2025		19.6000		
Arsenic, total	ug/L	MW-18	09/25/2025		13.9000		
Barium, total	ug/L	MW-18	10/16/2014		903.0000		
Barium, total	ug/L	MW-18	04/04/2015		1140.0000		
Barium, total	ug/L	MW-18	10/01/2015		822.0000		
Barium, total	ug/L	MW-18	04/04/2016		860.0000		
Barium, total	ug/L	MW-18	09/20/2016		877.0000		
Barium, total	ug/L	MW-18	04/24/2017		827.0000		
Barium, total	ug/L	MW-18	10/09/2017		868.0000		
Barium, total	ug/L	MW-18	03/21/2018		863.0000		
Barium, total	ug/L	MW-18	09/07/2018		831.0000		
Barium, total	ug/L	MW-18	04/02/2019		862.0000		
Barium, total	ug/L	MW-18	09/18/2019		823.0000		
Barium, total	ug/L	MW-18	03/25/2020		897.0000		
Barium, total	ug/L	MW-18	09/15/2020		898.0000		
Barium, total	ug/L	MW-18	03/08/2021		840.0000		
Barium, total	ug/L	MW-18	09/28/2021		741.0000		
Barium, total	ug/L	MW-18	03/08/2022		792.0000		
Barium, total	ug/L	MW-18	08/30/2022		760.0000		
Barium, total	ug/L	MW-18	03/07/2023		702.0000		
Barium, total	ug/L	MW-18	09/11/2023		709.0000		
Barium, total	ug/L	MW-18	03/20/2024		623.0000		
Barium, total	ug/L	MW-18	09/12/2024		621.0000		
Barium, total	ug/L	MW-18	03/03/2025		654.0000		
Barium, total	ug/L	MW-18	09/25/2025		718.0000		
Beryllium, total	ug/L	MW-18	10/16/2014	ND	4.0000		
Beryllium, total	ug/L	MW-18	04/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-18	10/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-18	04/04/2016	ND	4.0000		
Beryllium, total	ug/L	MW-18	09/20/2016	ND	4.0000		
Beryllium, total	ug/L	MW-18	04/24/2017	ND	4.0000		
Beryllium, total	ug/L	MW-18	10/09/2017	ND	4.0000		
Beryllium, total	ug/L	MW-18	03/21/2018	ND	4.0000		
Beryllium, total	ug/L	MW-18	09/07/2018	ND	4.0000		
Beryllium, total	ug/L	MW-18	04/02/2019	ND	4.0000		
Beryllium, total	ug/L	MW-18	09/18/2019	ND	4.0000		
Beryllium, total	ug/L	MW-18	03/25/2020	ND	4.0000		
Beryllium, total	ug/L	MW-18	09/15/2020	ND	4.0000		
Beryllium, total	ug/L	MW-18	03/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-18	09/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-18	03/08/2022	ND	4.0000		
Beryllium, total	ug/L	MW-18	08/30/2022	ND	4.0000		
Beryllium, total	ug/L	MW-18	03/07/2023	ND	4.0000		
Beryllium, total	ug/L	MW-18	09/11/2023	ND	4.0000		
Beryllium, total	ug/L	MW-18	03/20/2024	ND	4.0000		
Beryllium, total	ug/L	MW-18	09/12/2024	ND	4.0000		
Beryllium, total	ug/L	MW-18	03/03/2025	ND	4.0000		
Beryllium, total	ug/L	MW-18	09/25/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-18	10/16/2014		1.7000		
Cadmium, total	ug/L	MW-18	04/04/2015		3.9000		
Cadmium, total	ug/L	MW-18	10/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-18	04/04/2016		1.0000		
Cadmium, total	ug/L	MW-18	09/20/2016		0.9000		
Cadmium, total	ug/L	MW-18	04/24/2017	ND	0.8000		
Cadmium, total	ug/L	MW-18	10/09/2017	ND	0.8000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, total	ug/L	MW-18	03/21/2018	ND	0.8000		
Cadmium, total	ug/L	MW-18	09/07/2018	ND	0.8000		
Cadmium, total	ug/L	MW-18	04/02/2019	ND	0.8000		
Cadmium, total	ug/L	MW-18	09/18/2019	ND	0.8000		
Cadmium, total	ug/L	MW-18	03/25/2020	ND	0.8000		
Cadmium, total	ug/L	MW-18	09/15/2020	ND	0.8000		
Cadmium, total	ug/L	MW-18	03/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-18	09/28/2021		1.2000		
Cadmium, total	ug/L	MW-18	03/08/2022	ND	0.8000		
Cadmium, total	ug/L	MW-18	08/30/2022	ND	0.8000		
Cadmium, total	ug/L	MW-18	03/07/2023	ND	0.8000		
Cadmium, total	ug/L	MW-18	09/11/2023	ND	0.8000		
Cadmium, total	ug/L	MW-18	03/20/2024	ND	0.8000		
Cadmium, total	ug/L	MW-18	09/12/2024	ND	0.8000		
Cadmium, total	ug/L	MW-18	03/03/2025	ND	0.8000		
Cadmium, total	ug/L	MW-18	09/25/2025		0.2000		*
Chromium, total	ug/L	MW-18	10/16/2014		11.6000		
Chromium, total	ug/L	MW-18	04/04/2015		26.4000		*
Chromium, total	ug/L	MW-18	10/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-18	04/04/2016	ND	8.0000		
Chromium, total	ug/L	MW-18	09/20/2016		10.5000		
Chromium, total	ug/L	MW-18	04/24/2017	ND	8.0000		
Chromium, total	ug/L	MW-18	10/09/2017	ND	8.0000		
Chromium, total	ug/L	MW-18	03/21/2018	ND	8.0000		
Chromium, total	ug/L	MW-18	09/07/2018	ND	8.0000		
Chromium, total	ug/L	MW-18	04/02/2019	ND	8.0000		
Chromium, total	ug/L	MW-18	09/18/2019	ND	8.0000		
Chromium, total	ug/L	MW-18	03/25/2020	ND	8.0000		
Chromium, total	ug/L	MW-18	09/15/2020	ND	8.0000		
Chromium, total	ug/L	MW-18	03/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-18	09/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-18	03/08/2022	ND	8.0000		
Chromium, total	ug/L	MW-18	08/30/2022	ND	8.0000		
Chromium, total	ug/L	MW-18	03/07/2023	ND	8.0000		
Chromium, total	ug/L	MW-18	09/11/2023	ND	8.0000		
Chromium, total	ug/L	MW-18	03/20/2024	ND	8.0000		
Chromium, total	ug/L	MW-18	09/12/2024	ND	8.0000		
Chromium, total	ug/L	MW-18	03/03/2025	ND	8.0000		
Chromium, total	ug/L	MW-18	09/25/2025		1.1000		*
Cobalt, total	ug/L	MW-18	10/16/2014		23.5000		
Cobalt, total	ug/L	MW-18	04/04/2015		35.1000		*
Cobalt, total	ug/L	MW-18	10/01/2015		9.8000		
Cobalt, total	ug/L	MW-18	04/04/2016		12.0000		
Cobalt, total	ug/L	MW-18	09/20/2016		17.1000		
Cobalt, total	ug/L	MW-18	04/24/2017		8.5000		
Cobalt, total	ug/L	MW-18	10/09/2017		7.1000		
Cobalt, total	ug/L	MW-18	03/21/2018		5.5000		
Cobalt, total	ug/L	MW-18	09/07/2018		5.8000		
Cobalt, total	ug/L	MW-18	04/02/2019		4.1000		
Cobalt, total	ug/L	MW-18	09/18/2019		3.9000		
Cobalt, total	ug/L	MW-18	03/25/2020		3.6000		
Cobalt, total	ug/L	MW-18	09/15/2020		17.8000		
Cobalt, total	ug/L	MW-18	03/08/2021		9.2000		
Cobalt, total	ug/L	MW-18	09/28/2021		4.9000		
Cobalt, total	ug/L	MW-18	03/08/2022		4.0000		
Cobalt, total	ug/L	MW-18	08/30/2022		9.1000		
Cobalt, total	ug/L	MW-18	03/07/2023		9.2000		
Cobalt, total	ug/L	MW-18	09/11/2023		11.3000		
Cobalt, total	ug/L	MW-18	03/20/2024		12.2000		
Cobalt, total	ug/L	MW-18	09/12/2024		5.8000		
Cobalt, total	ug/L	MW-18	03/03/2025		7.3000		
Cobalt, total	ug/L	MW-18	09/25/2025		7.1000		
Copper, total	ug/L	MW-18	10/16/2014		31.3000		*
Copper, total	ug/L	MW-18	04/04/2015		69.3000		*
Copper, total	ug/L	MW-18	10/01/2015	ND	4.0000		
Copper, total	ug/L	MW-18	04/04/2016	ND	4.0000		
Copper, total	ug/L	MW-18	09/20/2016		16.0000		*
Copper, total	ug/L	MW-18	04/24/2017	ND	4.0000		
Copper, total	ug/L	MW-18	10/09/2017	ND	4.0000		
Copper, total	ug/L	MW-18	03/21/2018	ND	4.0000		
Copper, total	ug/L	MW-18	09/07/2018	ND	4.0000		
Copper, total	ug/L	MW-18	04/02/2019	ND	4.0000		
Copper, total	ug/L	MW-18	09/18/2019	ND	4.0000		
Copper, total	ug/L	MW-18	03/25/2020	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-18	09/15/2020	ND	4.0000		
Copper, total	ug/L	MW-18	03/08/2021	ND	4.0000		
Copper, total	ug/L	MW-18	09/28/2021	ND	4.0000		
Copper, total	ug/L	MW-18	03/08/2022	ND	4.0000		
Copper, total	ug/L	MW-18	08/30/2022	ND	4.0000		
Copper, total	ug/L	MW-18	03/07/2023	ND	4.0000		
Copper, total	ug/L	MW-18	09/11/2023	ND	4.0000		
Copper, total	ug/L	MW-18	03/20/2024	ND	4.0000		
Copper, total	ug/L	MW-18	09/12/2024	ND	4.0000		
Copper, total	ug/L	MW-18	03/03/2025	ND	4.0000		
Copper, total	ug/L	MW-18	09/25/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-18	10/16/2014		12.4000		*
Lead, total	ug/L	MW-18	04/04/2015		27.2000		*
Lead, total	ug/L	MW-18	10/01/2015	ND	4.0000		
Lead, total	ug/L	MW-18	04/04/2016	ND	4.0000		
Lead, total	ug/L	MW-18	09/20/2016		6.2000		
Lead, total	ug/L	MW-18	04/24/2017	ND	4.0000		
Lead, total	ug/L	MW-18	10/09/2017	ND	4.0000		
Lead, total	ug/L	MW-18	03/21/2018	ND	4.0000		
Lead, total	ug/L	MW-18	09/07/2018	ND	4.0000		
Lead, total	ug/L	MW-18	04/02/2019	ND	4.0000		
Lead, total	ug/L	MW-18	09/18/2019	ND	4.0000		
Lead, total	ug/L	MW-18	03/25/2020	ND	4.0000		
Lead, total	ug/L	MW-18	09/15/2020	ND	4.0000		
Lead, total	ug/L	MW-18	03/08/2021	ND	4.0000		
Lead, total	ug/L	MW-18	09/28/2021	ND	4.0000		
Lead, total	ug/L	MW-18	03/08/2022	ND	4.0000		
Lead, total	ug/L	MW-18	08/30/2022	ND	4.0000		
Lead, total	ug/L	MW-18	03/07/2023	ND	4.0000		
Lead, total	ug/L	MW-18	09/11/2023	ND	4.0000		
Lead, total	ug/L	MW-18	03/20/2024	ND	4.0000		
Lead, total	ug/L	MW-18	09/12/2024	ND	4.0000		
Lead, total	ug/L	MW-18	03/03/2025	ND	4.0000		
Lead, total	ug/L	MW-18	09/25/2025	ND	1.0000		*
Nickel, total	ug/L	MW-18	10/16/2014		35.4000		*
Nickel, total	ug/L	MW-18	04/04/2015		67.7000		*
Nickel, total	ug/L	MW-18	10/01/2015		12.7000		
Nickel, total	ug/L	MW-18	04/04/2016		16.0000		
Nickel, total	ug/L	MW-18	09/20/2016		25.3000		
Nickel, total	ug/L	MW-18	04/24/2017		11.9000		
Nickel, total	ug/L	MW-18	10/09/2017		10.8000		
Nickel, total	ug/L	MW-18	03/21/2018	ND	20.0000	4.0000	**
Nickel, total	ug/L	MW-18	09/07/2018		9.2000		
Nickel, total	ug/L	MW-18	04/02/2019		7.2000		
Nickel, total	ug/L	MW-18	09/18/2019		10.7000		
Nickel, total	ug/L	MW-18	03/25/2020		6.6000		
Nickel, total	ug/L	MW-18	09/15/2020		29.7000		
Nickel, total	ug/L	MW-18	03/08/2021		12.4000		
Nickel, total	ug/L	MW-18	09/28/2021		8.5000		
Nickel, total	ug/L	MW-18	03/08/2022		7.2000		
Nickel, total	ug/L	MW-18	08/30/2022		16.9000		
Nickel, total	ug/L	MW-18	03/07/2023		19.8000		
Nickel, total	ug/L	MW-18	09/11/2023		19.5000		
Nickel, total	ug/L	MW-18	03/20/2024		21.6000		
Nickel, total	ug/L	MW-18	09/12/2024		10.6000		
Nickel, total	ug/L	MW-18	03/03/2025		16.3000		
Nickel, total	ug/L	MW-18	09/25/2025		11.6000		
Selenium, total	ug/L	MW-18	10/16/2014	ND	4.0000		
Selenium, total	ug/L	MW-18	04/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-18	10/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-18	04/04/2016	ND	4.0000		
Selenium, total	ug/L	MW-18	09/20/2016	ND	4.0000		
Selenium, total	ug/L	MW-18	04/24/2017	ND	4.0000		
Selenium, total	ug/L	MW-18	10/09/2017	ND	4.0000		
Selenium, total	ug/L	MW-18	03/21/2018	ND	4.0000		
Selenium, total	ug/L	MW-18	09/07/2018	ND	4.0000		
Selenium, total	ug/L	MW-18	04/02/2019	ND	4.0000		
Selenium, total	ug/L	MW-18	09/18/2019	ND	4.0000		
Selenium, total	ug/L	MW-18	03/25/2020	ND	4.0000		
Selenium, total	ug/L	MW-18	09/15/2020	ND	4.0000		
Selenium, total	ug/L	MW-18	03/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-18	09/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-18	03/08/2022	ND	4.0000		
Selenium, total	ug/L	MW-18	08/30/2022	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, total	ug/L	MW-18	03/07/2023	ND	4.0000		
Selenium, total	ug/L	MW-18	09/11/2023	ND	4.0000		
Selenium, total	ug/L	MW-18	03/20/2024	ND	4.0000		
Selenium, total	ug/L	MW-18	09/12/2024	ND	4.0000		
Selenium, total	ug/L	MW-18	03/03/2025	ND	4.0000		
Selenium, total	ug/L	MW-18	09/25/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-18	10/16/2014	ND	4.0000		
Silver, total	ug/L	MW-18	04/04/2015	ND	4.0000		
Silver, total	ug/L	MW-18	10/01/2015	ND	4.0000		
Silver, total	ug/L	MW-18	04/04/2016	ND	4.0000		
Silver, total	ug/L	MW-18	09/20/2016	ND	4.0000		
Silver, total	ug/L	MW-18	04/24/2017	ND	4.0000		
Silver, total	ug/L	MW-18	10/09/2017	ND	4.0000		
Silver, total	ug/L	MW-18	03/21/2018	ND	4.0000		
Silver, total	ug/L	MW-18	09/07/2018	ND	4.0000		
Silver, total	ug/L	MW-18	04/02/2019	ND	4.0000		
Silver, total	ug/L	MW-18	09/18/2019	ND	4.0000		
Silver, total	ug/L	MW-18	03/25/2020	ND	4.0000		
Silver, total	ug/L	MW-18	09/15/2020	ND	4.0000		
Silver, total	ug/L	MW-18	03/08/2021	ND	4.0000		
Silver, total	ug/L	MW-18	09/28/2021	ND	4.0000		
Silver, total	ug/L	MW-18	03/08/2022	ND	4.0000		
Silver, total	ug/L	MW-18	08/30/2022	ND	4.0000		
Silver, total	ug/L	MW-18	03/07/2023	ND	4.0000		
Silver, total	ug/L	MW-18	09/11/2023	ND	4.0000		
Silver, total	ug/L	MW-18	03/20/2024	ND	4.0000		
Silver, total	ug/L	MW-18	09/12/2024	ND	4.0000		
Silver, total	ug/L	MW-18	03/03/2025	ND	4.0000		
Silver, total	ug/L	MW-18	09/25/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-18	10/16/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-18	04/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-18	10/01/2015	ND	1.0000	2.0000	**
Thallium, total	ug/L	MW-18	04/04/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-18	09/20/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-18	04/24/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-18	10/09/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-18	03/21/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-18	09/07/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-18	04/02/2019	ND	2.0000		
Thallium, total	ug/L	MW-18	09/18/2019	ND	2.0000		
Thallium, total	ug/L	MW-18	03/25/2020	ND	2.0000		
Thallium, total	ug/L	MW-18	09/15/2020	ND	2.0000		
Thallium, total	ug/L	MW-18	03/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-18	09/28/2021	ND	2.0000		
Thallium, total	ug/L	MW-18	03/08/2022	ND	2.0000		
Thallium, total	ug/L	MW-18	08/30/2022	ND	2.0000		
Thallium, total	ug/L	MW-18	03/07/2023	ND	2.0000		
Thallium, total	ug/L	MW-18	09/11/2023	ND	2.0000		
Thallium, total	ug/L	MW-18	03/20/2024	ND	2.0000		
Thallium, total	ug/L	MW-18	09/12/2024	ND	2.0000		
Thallium, total	ug/L	MW-18	03/03/2025	ND	2.0000		
Thallium, total	ug/L	MW-18	09/25/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-18	10/16/2014	ND	20.0000		
Vanadium, total	ug/L	MW-18	04/04/2015		31.6000		
Vanadium, total	ug/L	MW-18	10/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-18	04/04/2016	ND	20.0000		
Vanadium, total	ug/L	MW-18	09/20/2016	ND	20.0000		
Vanadium, total	ug/L	MW-18	04/24/2017	ND	20.0000		
Vanadium, total	ug/L	MW-18	10/09/2017	ND	20.0000		
Vanadium, total	ug/L	MW-18	03/21/2018	ND	20.0000		
Vanadium, total	ug/L	MW-18	09/07/2018	ND	20.0000		
Vanadium, total	ug/L	MW-18	04/02/2019	ND	20.0000		
Vanadium, total	ug/L	MW-18	09/18/2019	ND	20.0000		
Vanadium, total	ug/L	MW-18	03/25/2020	ND	20.0000		
Vanadium, total	ug/L	MW-18	09/15/2020	ND	20.0000		
Vanadium, total	ug/L	MW-18	03/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-18	09/28/2021	ND	20.0000		
Vanadium, total	ug/L	MW-18	03/08/2022	ND	20.0000		
Vanadium, total	ug/L	MW-18	08/30/2022	ND	20.0000		
Vanadium, total	ug/L	MW-18	03/07/2023	ND	20.0000		
Vanadium, total	ug/L	MW-18	09/11/2023	ND	20.0000		
Vanadium, total	ug/L	MW-18	03/20/2024	ND	20.0000		
Vanadium, total	ug/L	MW-18	09/12/2024	ND	20.0000		
Vanadium, total	ug/L	MW-18	03/03/2025	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-18	09/25/2025	ND	2.0000		*
Zinc, total	ug/L	MW-18	10/16/2014		107.0000		
Zinc, total	ug/L	MW-18	04/04/2015		267.0000		
Zinc, total	ug/L	MW-18	10/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-18	04/04/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-18	09/20/2016		56.2000		
Zinc, total	ug/L	MW-18	04/24/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-18	10/09/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-18	03/21/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-18	09/07/2018		42.5000		
Zinc, total	ug/L	MW-18	04/02/2019		29.3000		
Zinc, total	ug/L	MW-18	09/18/2019		42.8000		
Zinc, total	ug/L	MW-18	03/25/2020	ND	20.0000		
Zinc, total	ug/L	MW-18	09/15/2020	ND	20.0000		
Zinc, total	ug/L	MW-18	03/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-18	09/28/2021	ND	20.0000		
Zinc, total	ug/L	MW-18	03/08/2022	ND	20.0000		
Zinc, total	ug/L	MW-18	08/30/2022	ND	20.0000		
Zinc, total	ug/L	MW-18	03/07/2023	ND	20.0000		
Zinc, total	ug/L	MW-18	09/11/2023	ND	20.0000		
Zinc, total	ug/L	MW-18	03/20/2024	ND	20.0000		
Zinc, total	ug/L	MW-18	09/12/2024	ND	20.0000		
Zinc, total	ug/L	MW-18	03/03/2025	ND	20.0000		
Zinc, total	ug/L	MW-18	09/25/2025		6.2000		
Antimony, total	ug/L	MW-19A	10/16/2014	ND	2.0000		
Antimony, total	ug/L	MW-19A	04/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-19A	10/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-19A	04/04/2016	ND	2.0000		
Antimony, total	ug/L	MW-19A	09/20/2016	ND	2.0000		
Antimony, total	ug/L	MW-19A	04/24/2017	ND	2.0000		
Antimony, total	ug/L	MW-19A	10/09/2017	ND	2.0000		
Antimony, total	ug/L	MW-19A	03/21/2018	ND	2.0000		
Antimony, total	ug/L	MW-19A	09/07/2018	ND	2.0000		
Antimony, total	ug/L	MW-19A	04/02/2019	ND	2.0000		
Antimony, total	ug/L	MW-19A	09/18/2019	ND	2.0000		
Antimony, total	ug/L	MW-19A	03/25/2020	ND	2.0000		
Antimony, total	ug/L	MW-19A	09/15/2020	ND	2.0000		
Antimony, total	ug/L	MW-19A	03/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-19A	09/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-19A	03/08/2022	ND	2.0000		
Antimony, total	ug/L	MW-19A	08/30/2022	ND	2.0000		
Antimony, total	ug/L	MW-19A	03/07/2023	ND	2.0000		
Antimony, total	ug/L	MW-19A	09/11/2023	ND	2.0000		
Antimony, total	ug/L	MW-19A	03/20/2024	ND	2.0000		
Antimony, total	ug/L	MW-19A	09/12/2024	ND	2.0000		
Antimony, total	ug/L	MW-19A	03/03/2025	ND	2.0000		
Antimony, total	ug/L	MW-19A	09/25/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-19A	10/16/2014	ND	4.0000		
Arsenic, total	ug/L	MW-19A	04/04/2015	ND	4.0000		
Arsenic, total	ug/L	MW-19A	10/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-19A	04/04/2016	ND	4.0000		
Arsenic, total	ug/L	MW-19A	09/20/2016	ND	4.0000		
Arsenic, total	ug/L	MW-19A	04/24/2017	ND	4.0000		
Arsenic, total	ug/L	MW-19A	10/09/2017	ND	4.0000		
Arsenic, total	ug/L	MW-19A	03/21/2018	ND	4.0000		
Arsenic, total	ug/L	MW-19A	09/07/2018	ND	4.0000		
Arsenic, total	ug/L	MW-19A	04/02/2019	ND	4.0000		
Arsenic, total	ug/L	MW-19A	09/18/2019	ND	4.0000		
Arsenic, total	ug/L	MW-19A	03/25/2020	ND	4.0000		
Arsenic, total	ug/L	MW-19A	09/15/2020	ND	4.0000		
Arsenic, total	ug/L	MW-19A	03/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-19A	09/28/2021	ND	4.0000		
Arsenic, total	ug/L	MW-19A	03/08/2022	ND	4.0000		
Arsenic, total	ug/L	MW-19A	08/30/2022	ND	4.0000		
Arsenic, total	ug/L	MW-19A	03/07/2023	ND	4.0000		
Arsenic, total	ug/L	MW-19A	09/11/2023	ND	4.0000		
Arsenic, total	ug/L	MW-19A	03/20/2024	ND	4.0000		
Arsenic, total	ug/L	MW-19A	09/12/2024	ND	4.0000		
Arsenic, total	ug/L	MW-19A	03/03/2025	ND	4.0000		
Arsenic, total	ug/L	MW-19A	09/25/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-19A	10/16/2014		48.9000		
Barium, total	ug/L	MW-19A	04/04/2015		55.5000		
Barium, total	ug/L	MW-19A	10/01/2015		30.0000		
Barium, total	ug/L	MW-19A	04/04/2016		30.4000		

* - 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	
Barium, total	ug/L	MW-19A	09/20/2016		29.5000		
Barium, total	ug/L	MW-19A	04/24/2017		42.1000		
Barium, total	ug/L	MW-19A	10/09/2017		35.1000		
Barium, total	ug/L	MW-19A	03/21/2018		46.9000		
Barium, total	ug/L	MW-19A	09/07/2018		38.7000		
Barium, total	ug/L	MW-19A	04/02/2019		37.9000		
Barium, total	ug/L	MW-19A	09/18/2019		42.5000		
Barium, total	ug/L	MW-19A	03/25/2020		34.2000		
Barium, total	ug/L	MW-19A	09/15/2020		35.8000		
Barium, total	ug/L	MW-19A	03/08/2021		35.2000		
Barium, total	ug/L	MW-19A	09/28/2021		36.1000		
Barium, total	ug/L	MW-19A	03/08/2022		40.1000		
Barium, total	ug/L	MW-19A	08/30/2022		38.3000		
Barium, total	ug/L	MW-19A	03/07/2023		32.5000		
Barium, total	ug/L	MW-19A	09/11/2023		32.1000		
Barium, total	ug/L	MW-19A	03/20/2024		622.0000		*
Barium, total	ug/L	MW-19A	09/12/2024		38.2000		
Barium, total	ug/L	MW-19A	03/03/2025		35.9000		
Barium, total	ug/L	MW-19A	09/25/2025		41.9000		
Beryllium, total	ug/L	MW-19A	10/16/2014	ND	4.0000		
Beryllium, total	ug/L	MW-19A	04/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-19A	10/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-19A	04/04/2016	ND	4.0000		
Beryllium, total	ug/L	MW-19A	09/20/2016	ND	4.0000		
Beryllium, total	ug/L	MW-19A	04/24/2017	ND	4.0000		
Beryllium, total	ug/L	MW-19A	10/09/2017	ND	4.0000		
Beryllium, total	ug/L	MW-19A	03/21/2018	ND	4.0000		
Beryllium, total	ug/L	MW-19A	09/07/2018	ND	4.0000		
Beryllium, total	ug/L	MW-19A	04/02/2019	ND	4.0000		
Beryllium, total	ug/L	MW-19A	09/18/2019	ND	4.0000		
Beryllium, total	ug/L	MW-19A	03/25/2020	ND	4.0000		
Beryllium, total	ug/L	MW-19A	09/15/2020	ND	4.0000		
Beryllium, total	ug/L	MW-19A	03/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-19A	09/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-19A	03/08/2022	ND	4.0000		
Beryllium, total	ug/L	MW-19A	08/30/2022	ND	4.0000		
Beryllium, total	ug/L	MW-19A	03/07/2023	ND	4.0000		
Beryllium, total	ug/L	MW-19A	09/11/2023	ND	4.0000		
Beryllium, total	ug/L	MW-19A	03/20/2024	ND	4.0000		
Beryllium, total	ug/L	MW-19A	09/12/2024	ND	4.0000		
Beryllium, total	ug/L	MW-19A	03/03/2025	ND	4.0000		
Beryllium, total	ug/L	MW-19A	09/25/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-19A	10/16/2014	ND	0.8000		
Cadmium, total	ug/L	MW-19A	04/04/2015	ND	0.8000		
Cadmium, total	ug/L	MW-19A	10/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-19A	04/04/2016		0.8000		
Cadmium, total	ug/L	MW-19A	09/20/2016	ND	0.8000		
Cadmium, total	ug/L	MW-19A	04/24/2017	ND	0.8000		
Cadmium, total	ug/L	MW-19A	10/09/2017	ND	0.8000		
Cadmium, total	ug/L	MW-19A	03/21/2018	ND	0.8000		
Cadmium, total	ug/L	MW-19A	09/07/2018	ND	0.8000		
Cadmium, total	ug/L	MW-19A	04/02/2019	ND	0.8000		
Cadmium, total	ug/L	MW-19A	09/18/2019	ND	0.8000		
Cadmium, total	ug/L	MW-19A	03/25/2020	ND	0.8000		
Cadmium, total	ug/L	MW-19A	09/15/2020	ND	0.8000		
Cadmium, total	ug/L	MW-19A	03/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-19A	09/28/2021	ND	0.8000		
Cadmium, total	ug/L	MW-19A	03/08/2022	ND	0.8000		
Cadmium, total	ug/L	MW-19A	08/30/2022	ND	0.8000		
Cadmium, total	ug/L	MW-19A	03/07/2023	ND	0.8000		
Cadmium, total	ug/L	MW-19A	09/11/2023		9.0000		*
Cadmium, total	ug/L	MW-19A	03/20/2024	ND	0.8000		
Cadmium, total	ug/L	MW-19A	09/12/2024		1.0000		
Cadmium, total	ug/L	MW-19A	03/03/2025	ND	0.8000		
Cadmium, total	ug/L	MW-19A	09/25/2025		0.2000		*
Chromium, total	ug/L	MW-19A	10/16/2014	ND	8.0000		
Chromium, total	ug/L	MW-19A	04/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-19A	10/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-19A	04/04/2016	ND	8.0000		
Chromium, total	ug/L	MW-19A	09/20/2016	ND	8.0000		
Chromium, total	ug/L	MW-19A	04/24/2017	ND	8.0000		
Chromium, total	ug/L	MW-19A	10/09/2017	ND	8.0000		
Chromium, total	ug/L	MW-19A	03/21/2018	ND	8.0000		
Chromium, total	ug/L	MW-19A	09/07/2018	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-19A	04/02/2019	ND	8.0000		
Chromium, total	ug/L	MW-19A	09/18/2019	ND	8.0000		
Chromium, total	ug/L	MW-19A	03/25/2020	ND	8.0000		
Chromium, total	ug/L	MW-19A	09/15/2020	ND	8.0000		
Chromium, total	ug/L	MW-19A	03/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-19A	09/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-19A	03/08/2022	ND	8.0000		
Chromium, total	ug/L	MW-19A	08/30/2022	ND	8.0000		
Chromium, total	ug/L	MW-19A	03/07/2023	ND	8.0000		
Chromium, total	ug/L	MW-19A	09/11/2023	ND	8.0000		
Chromium, total	ug/L	MW-19A	03/20/2024	ND	8.0000		
Chromium, total	ug/L	MW-19A	09/12/2024	ND	8.0000		
Chromium, total	ug/L	MW-19A	03/03/2025	ND	8.0000		
Chromium, total	ug/L	MW-19A	09/25/2025		1.3000		*
Cobalt, total	ug/L	MW-19A	10/16/2014	ND	0.8000		
Cobalt, total	ug/L	MW-19A	04/04/2015	ND	0.8000		
Cobalt, total	ug/L	MW-19A	10/01/2015	ND	0.8000		
Cobalt, total	ug/L	MW-19A	04/04/2016	ND	0.8000		
Cobalt, total	ug/L	MW-19A	09/20/2016	ND	0.8000		
Cobalt, total	ug/L	MW-19A	04/24/2017	ND	0.8000		
Cobalt, total	ug/L	MW-19A	10/09/2017	ND	0.8000		
Cobalt, total	ug/L	MW-19A	03/21/2018	ND	2.0000	0.8000	**
Cobalt, total	ug/L	MW-19A	09/07/2018	ND	0.8000		
Cobalt, total	ug/L	MW-19A	04/02/2019	ND	0.8000		
Cobalt, total	ug/L	MW-19A	09/18/2019		0.8000		
Cobalt, total	ug/L	MW-19A	03/25/2020		0.8000		
Cobalt, total	ug/L	MW-19A	09/15/2020	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-19A	03/08/2021		0.4000		
Cobalt, total	ug/L	MW-19A	09/28/2021		0.4000		
Cobalt, total	ug/L	MW-19A	03/08/2022		0.6000		
Cobalt, total	ug/L	MW-19A	08/30/2022	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-19A	03/07/2023		0.4000		
Cobalt, total	ug/L	MW-19A	09/11/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-19A	03/20/2024		6.9000		*
Cobalt, total	ug/L	MW-19A	09/12/2024		0.4000		
Cobalt, total	ug/L	MW-19A	03/03/2025		0.5000		
Cobalt, total	ug/L	MW-19A	09/25/2025		1.0000		
Copper, total	ug/L	MW-19A	10/16/2014	ND	4.0000		
Copper, total	ug/L	MW-19A	04/04/2015	ND	4.0000		
Copper, total	ug/L	MW-19A	10/01/2015	ND	4.0000		
Copper, total	ug/L	MW-19A	04/04/2016	ND	4.0000		
Copper, total	ug/L	MW-19A	09/20/2016	ND	4.0000		
Copper, total	ug/L	MW-19A	04/24/2017	ND	4.0000		
Copper, total	ug/L	MW-19A	10/09/2017	ND	4.0000		
Copper, total	ug/L	MW-19A	03/21/2018	ND	4.0000		
Copper, total	ug/L	MW-19A	09/07/2018	ND	4.0000		
Copper, total	ug/L	MW-19A	04/02/2019	ND	4.0000		
Copper, total	ug/L	MW-19A	09/18/2019	ND	4.0000		
Copper, total	ug/L	MW-19A	03/25/2020	ND	4.0000		
Copper, total	ug/L	MW-19A	09/15/2020	ND	4.0000		
Copper, total	ug/L	MW-19A	03/08/2021	ND	4.0000		
Copper, total	ug/L	MW-19A	09/28/2021	ND	4.0000		
Copper, total	ug/L	MW-19A	03/08/2022	ND	4.0000		
Copper, total	ug/L	MW-19A	08/30/2022	ND	4.0000		
Copper, total	ug/L	MW-19A	03/07/2023	ND	4.0000		
Copper, total	ug/L	MW-19A	09/11/2023	ND	4.0000		
Copper, total	ug/L	MW-19A	03/20/2024	ND	4.0000		
Copper, total	ug/L	MW-19A	09/12/2024	ND	4.0000		
Copper, total	ug/L	MW-19A	03/03/2025	ND	4.0000		
Copper, total	ug/L	MW-19A	09/25/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-19A	10/16/2014	ND	4.0000		
Lead, total	ug/L	MW-19A	04/04/2015	ND	4.0000		
Lead, total	ug/L	MW-19A	10/01/2015	ND	4.0000		
Lead, total	ug/L	MW-19A	04/04/2016	ND	4.0000		
Lead, total	ug/L	MW-19A	09/20/2016	ND	4.0000		
Lead, total	ug/L	MW-19A	04/24/2017	ND	4.0000		
Lead, total	ug/L	MW-19A	10/09/2017	ND	4.0000		
Lead, total	ug/L	MW-19A	03/21/2018	ND	4.0000		
Lead, total	ug/L	MW-19A	09/07/2018	ND	4.0000		
Lead, total	ug/L	MW-19A	04/02/2019	ND	4.0000		
Lead, total	ug/L	MW-19A	09/18/2019	ND	4.0000		
Lead, total	ug/L	MW-19A	03/25/2020	ND	4.0000		
Lead, total	ug/L	MW-19A	09/15/2020	ND	4.0000		
Lead, total	ug/L	MW-19A	03/08/2021	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead, total	ug/L	MW-19A	09/28/2021	ND	4.0000		
Lead, total	ug/L	MW-19A	03/08/2022	ND	4.0000		
Lead, total	ug/L	MW-19A	08/30/2022	ND	4.0000		
Lead, total	ug/L	MW-19A	03/07/2023	ND	4.0000		
Lead, total	ug/L	MW-19A	09/11/2023	ND	4.0000		
Lead, total	ug/L	MW-19A	03/20/2024	ND	4.0000		
Lead, total	ug/L	MW-19A	09/12/2024	ND	4.0000		
Lead, total	ug/L	MW-19A	03/03/2025	ND	4.0000		
Lead, total	ug/L	MW-19A	09/25/2025	ND	1.0000		*
Nickel, total	ug/L	MW-19A	10/16/2014		4.6000		
Nickel, total	ug/L	MW-19A	04/04/2015		6.9000		
Nickel, total	ug/L	MW-19A	10/01/2015		5.2000		
Nickel, total	ug/L	MW-19A	04/04/2016		4.3000		
Nickel, total	ug/L	MW-19A	09/20/2016	ND	4.0000		
Nickel, total	ug/L	MW-19A	04/24/2017	ND	4.0000		
Nickel, total	ug/L	MW-19A	10/09/2017		5.2000		
Nickel, total	ug/L	MW-19A	03/21/2018	ND	20.0000	4.0000	**
Nickel, total	ug/L	MW-19A	09/07/2018		6.4000		
Nickel, total	ug/L	MW-19A	04/02/2019		7.7000		
Nickel, total	ug/L	MW-19A	09/18/2019		11.8000		
Nickel, total	ug/L	MW-19A	03/25/2020		10.5000		
Nickel, total	ug/L	MW-19A	09/15/2020		11.5000		
Nickel, total	ug/L	MW-19A	12/02/2020		10.5000		
Nickel, total	ug/L	MW-19A	03/08/2021		9.5000		
Nickel, total	ug/L	MW-19A	09/28/2021		8.0000		
Nickel, total	ug/L	MW-19A	03/08/2022		8.0000		
Nickel, total	ug/L	MW-19A	08/30/2022		10.4000		
Nickel, total	ug/L	MW-19A	03/07/2023		11.4000		
Nickel, total	ug/L	MW-19A	09/11/2023		9.6000		
Nickel, total	ug/L	MW-19A	03/20/2024		6.6000		
Nickel, total	ug/L	MW-19A	09/12/2024		9.0000		
Nickel, total	ug/L	MW-19A	03/03/2025		8.7000		
Nickel, total	ug/L	MW-19A	09/25/2025		9.2000		
Selenium, total	ug/L	MW-19A	10/16/2014	ND	4.0000		
Selenium, total	ug/L	MW-19A	04/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-19A	10/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-19A	04/04/2016	ND	4.0000		
Selenium, total	ug/L	MW-19A	09/20/2016	ND	4.0000		
Selenium, total	ug/L	MW-19A	04/24/2017	ND	4.0000		
Selenium, total	ug/L	MW-19A	10/09/2017	ND	4.0000		
Selenium, total	ug/L	MW-19A	03/21/2018	ND	4.0000		
Selenium, total	ug/L	MW-19A	09/07/2018	ND	4.0000		
Selenium, total	ug/L	MW-19A	04/02/2019	ND	4.0000		
Selenium, total	ug/L	MW-19A	09/18/2019	ND	4.0000		
Selenium, total	ug/L	MW-19A	03/25/2020	ND	4.0000		
Selenium, total	ug/L	MW-19A	09/15/2020	ND	4.0000		
Selenium, total	ug/L	MW-19A	03/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-19A	09/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-19A	03/08/2022	ND	4.0000		
Selenium, total	ug/L	MW-19A	08/30/2022	ND	4.0000		
Selenium, total	ug/L	MW-19A	03/07/2023	ND	4.0000		
Selenium, total	ug/L	MW-19A	09/11/2023	ND	4.0000		
Selenium, total	ug/L	MW-19A	03/20/2024	ND	4.0000		
Selenium, total	ug/L	MW-19A	09/12/2024	ND	4.0000		
Selenium, total	ug/L	MW-19A	03/03/2025	ND	4.0000		
Selenium, total	ug/L	MW-19A	09/25/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-19A	10/16/2014	ND	4.0000		
Silver, total	ug/L	MW-19A	04/04/2015	ND	4.0000		
Silver, total	ug/L	MW-19A	10/01/2015	ND	4.0000		
Silver, total	ug/L	MW-19A	04/04/2016	ND	4.0000		
Silver, total	ug/L	MW-19A	09/20/2016	ND	4.0000		
Silver, total	ug/L	MW-19A	04/24/2017	ND	4.0000		
Silver, total	ug/L	MW-19A	10/09/2017	ND	4.0000		
Silver, total	ug/L	MW-19A	03/21/2018	ND	4.0000		
Silver, total	ug/L	MW-19A	09/07/2018	ND	4.0000		
Silver, total	ug/L	MW-19A	04/02/2019	ND	4.0000		
Silver, total	ug/L	MW-19A	09/18/2019	ND	4.0000		
Silver, total	ug/L	MW-19A	03/25/2020	ND	4.0000		
Silver, total	ug/L	MW-19A	09/15/2020	ND	4.0000		
Silver, total	ug/L	MW-19A	03/08/2021	ND	4.0000		
Silver, total	ug/L	MW-19A	09/28/2021	ND	4.0000		
Silver, total	ug/L	MW-19A	03/08/2022	ND	4.0000		
Silver, total	ug/L	MW-19A	08/30/2022	ND	4.0000		
Silver, total	ug/L	MW-19A	03/07/2023	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-19A	09/11/2023	ND	4.0000		
Silver, total	ug/L	MW-19A	03/20/2024	ND	4.0000		
Silver, total	ug/L	MW-19A	09/12/2024	ND	4.0000		
Silver, total	ug/L	MW-19A	03/03/2025	ND	4.0000		
Silver, total	ug/L	MW-19A	09/25/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-19A	10/16/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-19A	04/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-19A	10/01/2015	ND	1.0000	2.0000	**
Thallium, total	ug/L	MW-19A	04/04/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-19A	09/20/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-19A	04/24/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-19A	10/09/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-19A	03/21/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-19A	09/07/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-19A	04/02/2019	ND	2.0000		
Thallium, total	ug/L	MW-19A	09/18/2019	ND	2.0000		
Thallium, total	ug/L	MW-19A	03/25/2020	ND	2.0000		
Thallium, total	ug/L	MW-19A	09/15/2020	ND	2.0000		
Thallium, total	ug/L	MW-19A	03/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-19A	09/28/2021	ND	2.0000		
Thallium, total	ug/L	MW-19A	03/08/2022	ND	2.0000		
Thallium, total	ug/L	MW-19A	08/30/2022	ND	2.0000		
Thallium, total	ug/L	MW-19A	03/07/2023	ND	2.0000		
Thallium, total	ug/L	MW-19A	09/11/2023	ND	2.0000		
Thallium, total	ug/L	MW-19A	03/20/2024	ND	2.0000		
Thallium, total	ug/L	MW-19A	09/12/2024	ND	2.0000		
Thallium, total	ug/L	MW-19A	03/03/2025	ND	2.0000		
Thallium, total	ug/L	MW-19A	09/25/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-19A	10/16/2014	ND	20.0000		
Vanadium, total	ug/L	MW-19A	04/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-19A	10/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-19A	04/04/2016	ND	20.0000		
Vanadium, total	ug/L	MW-19A	09/20/2016	ND	20.0000		
Vanadium, total	ug/L	MW-19A	04/24/2017	ND	20.0000		
Vanadium, total	ug/L	MW-19A	10/09/2017	ND	20.0000		
Vanadium, total	ug/L	MW-19A	03/21/2018	ND	20.0000		
Vanadium, total	ug/L	MW-19A	09/07/2018	ND	20.0000		
Vanadium, total	ug/L	MW-19A	04/02/2019	ND	20.0000		
Vanadium, total	ug/L	MW-19A	09/18/2019	ND	20.0000		
Vanadium, total	ug/L	MW-19A	03/25/2020	ND	20.0000		
Vanadium, total	ug/L	MW-19A	09/15/2020	ND	20.0000		
Vanadium, total	ug/L	MW-19A	03/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-19A	09/28/2021	ND	20.0000		
Vanadium, total	ug/L	MW-19A	03/08/2022	ND	20.0000		
Vanadium, total	ug/L	MW-19A	08/30/2022	ND	20.0000		
Vanadium, total	ug/L	MW-19A	03/07/2023	ND	20.0000		
Vanadium, total	ug/L	MW-19A	09/11/2023	ND	20.0000		
Vanadium, total	ug/L	MW-19A	03/20/2024	ND	20.0000		
Vanadium, total	ug/L	MW-19A	09/12/2024	ND	20.0000		
Vanadium, total	ug/L	MW-19A	03/03/2025	ND	20.0000		
Vanadium, total	ug/L	MW-19A	09/25/2025	ND	2.0000		*
Zinc, total	ug/L	MW-19A	10/16/2014	ND	20.0000		
Zinc, total	ug/L	MW-19A	04/04/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-19A	10/01/2015		11.2000		
Zinc, total	ug/L	MW-19A	04/04/2016		15.2000		
Zinc, total	ug/L	MW-19A	09/20/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-19A	04/24/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-19A	10/09/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-19A	03/21/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-19A	09/07/2018		40.8000		
Zinc, total	ug/L	MW-19A	04/02/2019		35.8000		
Zinc, total	ug/L	MW-19A	09/18/2019		29.9000		
Zinc, total	ug/L	MW-19A	03/25/2020	ND	20.0000		
Zinc, total	ug/L	MW-19A	09/15/2020	ND	20.0000		
Zinc, total	ug/L	MW-19A	03/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-19A	09/28/2021	ND	20.0000		
Zinc, total	ug/L	MW-19A	03/08/2022	ND	20.0000		
Zinc, total	ug/L	MW-19A	08/30/2022	ND	20.0000		
Zinc, total	ug/L	MW-19A	03/07/2023	ND	20.0000		
Zinc, total	ug/L	MW-19A	09/11/2023	ND	20.0000		
Zinc, total	ug/L	MW-19A	03/20/2024	ND	20.0000		
Zinc, total	ug/L	MW-19A	09/12/2024	ND	20.0000		
Zinc, total	ug/L	MW-19A	03/03/2025	ND	20.0000		
Zinc, total	ug/L	MW-19A	09/25/2025		5.9000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-2	04/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-2	10/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-2	04/04/2016	ND	2.0000		
Antimony, total	ug/L	MW-2	04/24/2017	ND	2.0000		
Antimony, total	ug/L	MW-2	04/02/2019	ND	2.0000		
Antimony, total	ug/L	MW-2	03/25/2020	ND	2.0000		
Arsenic, total	ug/L	MW-2	04/04/2015	ND	4.0000		
Arsenic, total	ug/L	MW-2	10/01/2015	ND	4.0000		
Arsenic, total	ug/L	MW-2	04/04/2016	ND	4.0000		
Arsenic, total	ug/L	MW-2	04/24/2017	ND	4.0000		
Arsenic, total	ug/L	MW-2	04/02/2019	ND	4.0000		
Arsenic, total	ug/L	MW-2	03/25/2020	ND	4.0000		
Barium, total	ug/L	MW-2	04/04/2015		418.0000		
Barium, total	ug/L	MW-2	10/01/2015		491.0000		
Barium, total	ug/L	MW-2	04/04/2016		424.0000		
Barium, total	ug/L	MW-2	04/24/2017		125.0000		
Barium, total	ug/L	MW-2	04/02/2019		290.0000		
Barium, total	ug/L	MW-2	03/25/2020		137.0000		
Beryllium, total	ug/L	MW-2	04/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-2	10/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-2	04/04/2016	ND	4.0000		
Beryllium, total	ug/L	MW-2	04/24/2017	ND	4.0000		
Beryllium, total	ug/L	MW-2	04/02/2019	ND	4.0000		
Beryllium, total	ug/L	MW-2	03/25/2020	ND	4.0000		
Cadmium, total	ug/L	MW-2	04/04/2015	ND	0.8000		
Cadmium, total	ug/L	MW-2	10/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-2	04/04/2016	ND	0.8000		
Cadmium, total	ug/L	MW-2	04/24/2017	ND	0.8000		
Cadmium, total	ug/L	MW-2	04/02/2019	ND	0.8000		
Cadmium, total	ug/L	MW-2	03/25/2020	ND	0.8000		
Chromium, total	ug/L	MW-2	04/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-2	10/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-2	04/04/2016	ND	8.0000		
Chromium, total	ug/L	MW-2	04/24/2017	ND	8.0000		
Chromium, total	ug/L	MW-2	04/02/2019	ND	8.0000		
Chromium, total	ug/L	MW-2	03/25/2020	ND	8.0000		
Cobalt, total	ug/L	MW-2	04/04/2015		7.4000		
Cobalt, total	ug/L	MW-2	10/01/2015		6.4000		
Cobalt, total	ug/L	MW-2	04/04/2016		8.2000		
Cobalt, total	ug/L	MW-2	04/24/2017	ND	0.8000		
Cobalt, total	ug/L	MW-2	04/02/2019	ND	0.8000		
Cobalt, total	ug/L	MW-2	03/25/2020	ND	0.8000		
Copper, total	ug/L	MW-2	04/04/2015	ND	4.0000		
Copper, total	ug/L	MW-2	10/01/2015	ND	4.0000		
Copper, total	ug/L	MW-2	04/04/2016	ND	4.0000		
Copper, total	ug/L	MW-2	04/24/2017	ND	4.0000		
Copper, total	ug/L	MW-2	04/02/2019	ND	4.0000		
Copper, total	ug/L	MW-2	03/25/2020		117.0000		*
Lead, total	ug/L	MW-2	04/04/2015	ND	4.0000		
Lead, total	ug/L	MW-2	10/01/2015	ND	4.0000		
Lead, total	ug/L	MW-2	04/04/2016	ND	4.0000		
Lead, total	ug/L	MW-2	04/24/2017	ND	4.0000		
Lead, total	ug/L	MW-2	04/02/2019		13.6000		*
Lead, total	ug/L	MW-2	03/25/2020	ND	4.0000		
Nickel, total	ug/L	MW-2	04/04/2015		21.1000		
Nickel, total	ug/L	MW-2	10/01/2015		7.8000		
Nickel, total	ug/L	MW-2	04/04/2016		16.6000		
Nickel, total	ug/L	MW-2	04/24/2017	ND	4.0000		
Nickel, total	ug/L	MW-2	04/02/2019		8.8000		
Nickel, total	ug/L	MW-2	03/25/2020	ND	4.0000		
Selenium, total	ug/L	MW-2	04/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-2	10/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-2	04/04/2016	ND	4.0000		
Selenium, total	ug/L	MW-2	04/24/2017	ND	4.0000		
Selenium, total	ug/L	MW-2	04/02/2019	ND	4.0000		
Selenium, total	ug/L	MW-2	03/25/2020	ND	4.0000		
Silver, total	ug/L	MW-2	04/04/2015	ND	4.0000		
Silver, total	ug/L	MW-2	10/01/2015	ND	4.0000		
Silver, total	ug/L	MW-2	04/04/2016	ND	4.0000		
Silver, total	ug/L	MW-2	04/24/2017	ND	4.0000		
Silver, total	ug/L	MW-2	04/02/2019	ND	4.0000		
Silver, total	ug/L	MW-2	03/25/2020	ND	4.0000		
Thallium, total	ug/L	MW-2	04/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-2	10/01/2015	ND	1.0000	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-2	04/04/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-2	04/24/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-2	04/02/2019	ND	2.0000		
Thallium, total	ug/L	MW-2	03/25/2020	ND	2.0000		
Vanadium, total	ug/L	MW-2	04/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-2	10/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-2	04/04/2016	ND	20.0000		
Vanadium, total	ug/L	MW-2	04/24/2017	ND	20.0000		
Vanadium, total	ug/L	MW-2	04/02/2019	ND	20.0000		
Vanadium, total	ug/L	MW-2	03/25/2020	ND	20.0000		
Zinc, total	ug/L	MW-2	04/04/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-2	10/01/2015		9.1000		
Zinc, total	ug/L	MW-2	04/04/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-2	04/24/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-2	04/02/2019	ND	20.0000		
Zinc, total	ug/L	MW-2	03/25/2020	ND	20.0000		
Antimony, total	ug/L	MW-24	10/16/2014	ND	2.0000		
Antimony, total	ug/L	MW-24	04/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-24	10/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-24	04/04/2016	ND	2.0000		
Antimony, total	ug/L	MW-24	09/20/2016	ND	2.0000		
Antimony, total	ug/L	MW-24	04/24/2017	ND	2.0000		
Antimony, total	ug/L	MW-24	10/09/2017	ND	2.0000		
Antimony, total	ug/L	MW-24	03/21/2018	ND	2.0000		
Antimony, total	ug/L	MW-24	09/07/2018	ND	2.0000		
Antimony, total	ug/L	MW-24	04/02/2019	ND	2.0000		
Antimony, total	ug/L	MW-24	09/18/2019	ND	2.0000		
Antimony, total	ug/L	MW-24	03/25/2020	ND	2.0000		
Antimony, total	ug/L	MW-24	09/15/2020	ND	2.0000		
Antimony, total	ug/L	MW-24	03/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-24	09/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-24	03/08/2022	ND	2.0000		
Antimony, total	ug/L	MW-24	08/30/2022	ND	2.0000		
Antimony, total	ug/L	MW-24	03/07/2023	ND	2.0000		
Antimony, total	ug/L	MW-24	09/11/2023	ND	2.0000		
Antimony, total	ug/L	MW-24	03/20/2024	ND	2.0000		
Antimony, total	ug/L	MW-24	09/12/2024	ND	2.0000		
Antimony, total	ug/L	MW-24	03/03/2025	ND	2.0000		
Antimony, total	ug/L	MW-24	09/25/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-24	10/16/2014		65.9000		
Arsenic, total	ug/L	MW-24	04/04/2015		25.0000		
Arsenic, total	ug/L	MW-24	10/01/2015		47.2000		
Arsenic, total	ug/L	MW-24	04/04/2016		88.5000		
Arsenic, total	ug/L	MW-24	09/20/2016		51.1000		
Arsenic, total	ug/L	MW-24	04/24/2017		139.0000		
Arsenic, total	ug/L	MW-24	10/09/2017		72.0000		
Arsenic, total	ug/L	MW-24	03/21/2018		155.0000		
Arsenic, total	ug/L	MW-24	09/07/2018		129.0000		
Arsenic, total	ug/L	MW-24	04/02/2019		210.0000		*
Arsenic, total	ug/L	MW-24	09/18/2019		117.0000		
Arsenic, total	ug/L	MW-24	03/25/2020		167.0000		
Arsenic, total	ug/L	MW-24	09/15/2020		61.6000		
Arsenic, total	ug/L	MW-24	03/08/2021		133.0000		
Arsenic, total	ug/L	MW-24	09/28/2021		142.0000		
Arsenic, total	ug/L	MW-24	03/08/2022		115.0000		
Arsenic, total	ug/L	MW-24	08/30/2022		101.0000		
Arsenic, total	ug/L	MW-24	03/07/2023		12.9000		
Arsenic, total	ug/L	MW-24	09/11/2023		57.9000		
Arsenic, total	ug/L	MW-24	03/20/2024		13.3000		
Arsenic, total	ug/L	MW-24	09/12/2024		13.6000		
Arsenic, total	ug/L	MW-24	03/03/2025		22.7000		
Arsenic, total	ug/L	MW-24	09/25/2025		7.4000		
Barium, total	ug/L	MW-24	10/16/2014		1150.0000		
Barium, total	ug/L	MW-24	04/04/2015		671.0000		
Barium, total	ug/L	MW-24	10/01/2015		772.0000		
Barium, total	ug/L	MW-24	04/04/2016		975.0000		
Barium, total	ug/L	MW-24	09/20/2016		641.0000		
Barium, total	ug/L	MW-24	04/24/2017		1260.0000		
Barium, total	ug/L	MW-24	10/09/2017		713.0000		
Barium, total	ug/L	MW-24	03/21/2018		1140.0000		
Barium, total	ug/L	MW-24	09/07/2018		968.0000		
Barium, total	ug/L	MW-24	04/02/2019		1500.0000		
Barium, total	ug/L	MW-24	09/18/2019		1100.0000		
Barium, total	ug/L	MW-24	03/25/2020		1080.0000		

* - 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-24	09/15/2020		638.0000		
Barium, total	ug/L	MW-24	03/08/2021		901.0000		
Barium, total	ug/L	MW-24	09/28/2021		824.0000		
Barium, total	ug/L	MW-24	03/08/2022		801.0000		
Barium, total	ug/L	MW-24	08/30/2022		579.0000		
Barium, total	ug/L	MW-24	03/07/2023		385.0000		
Barium, total	ug/L	MW-24	09/11/2023		508.0000		
Barium, total	ug/L	MW-24	03/20/2024		459.0000		
Barium, total	ug/L	MW-24	09/12/2024		509.0000		
Barium, total	ug/L	MW-24	03/03/2025		585.0000		
Barium, total	ug/L	MW-24	09/25/2025		291.0000		
Beryllium, total	ug/L	MW-24	10/16/2014	ND	4.0000		
Beryllium, total	ug/L	MW-24	04/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-24	10/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-24	04/04/2016	ND	4.0000		
Beryllium, total	ug/L	MW-24	09/20/2016	ND	4.0000		
Beryllium, total	ug/L	MW-24	04/24/2017	ND	4.0000		
Beryllium, total	ug/L	MW-24	10/09/2017	ND	4.0000		
Beryllium, total	ug/L	MW-24	03/21/2018	ND	4.0000		
Beryllium, total	ug/L	MW-24	09/07/2018	ND	4.0000		
Beryllium, total	ug/L	MW-24	04/02/2019	ND	4.0000		
Beryllium, total	ug/L	MW-24	09/18/2019	ND	4.0000		
Beryllium, total	ug/L	MW-24	03/25/2020	ND	4.0000		
Beryllium, total	ug/L	MW-24	09/15/2020	ND	4.0000		
Beryllium, total	ug/L	MW-24	03/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-24	09/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-24	03/08/2022	ND	4.0000		
Beryllium, total	ug/L	MW-24	08/30/2022	ND	4.0000		
Beryllium, total	ug/L	MW-24	03/07/2023	ND	4.0000		
Beryllium, total	ug/L	MW-24	09/11/2023	ND	4.0000		
Beryllium, total	ug/L	MW-24	03/20/2024	ND	4.0000		
Beryllium, total	ug/L	MW-24	09/12/2024	ND	4.0000		
Beryllium, total	ug/L	MW-24	03/03/2025	ND	4.0000		
Beryllium, total	ug/L	MW-24	09/25/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-24	10/16/2014		1.6000		
Cadmium, total	ug/L	MW-24	04/04/2015	ND	0.8000		
Cadmium, total	ug/L	MW-24	10/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-24	04/04/2016		0.8000		
Cadmium, total	ug/L	MW-24	09/20/2016	ND	0.8000		
Cadmium, total	ug/L	MW-24	04/24/2017	ND	0.8000		
Cadmium, total	ug/L	MW-24	10/09/2017	ND	0.8000		
Cadmium, total	ug/L	MW-24	03/21/2018	ND	0.8000		
Cadmium, total	ug/L	MW-24	09/07/2018	ND	0.8000		
Cadmium, total	ug/L	MW-24	04/02/2019		1.8000		
Cadmium, total	ug/L	MW-24	09/18/2019		1.0000		
Cadmium, total	ug/L	MW-24	03/25/2020	ND	0.8000		
Cadmium, total	ug/L	MW-24	09/15/2020	ND	0.8000		
Cadmium, total	ug/L	MW-24	03/08/2021		2.4000		
Cadmium, total	ug/L	MW-24	09/28/2021	ND	0.8000		
Cadmium, total	ug/L	MW-24	03/08/2022		0.8000		
Cadmium, total	ug/L	MW-24	08/30/2022	ND	0.8000		
Cadmium, total	ug/L	MW-24	03/07/2023	ND	0.8000		
Cadmium, total	ug/L	MW-24	09/11/2023	ND	0.8000		
Cadmium, total	ug/L	MW-24	03/20/2024	ND	0.8000		
Cadmium, total	ug/L	MW-24	09/12/2024		0.9000		
Cadmium, total	ug/L	MW-24	03/03/2025	ND	0.8000		
Cadmium, total	ug/L	MW-24	09/25/2025		3.7000		
Chromium, total	ug/L	MW-24	10/16/2014		37.5000		*
Chromium, total	ug/L	MW-24	04/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-24	10/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-24	04/04/2016	ND	8.0000		
Chromium, total	ug/L	MW-24	09/20/2016	ND	8.0000		
Chromium, total	ug/L	MW-24	04/24/2017	ND	8.0000		
Chromium, total	ug/L	MW-24	10/09/2017	ND	8.0000		
Chromium, total	ug/L	MW-24	03/21/2018	ND	8.0000		
Chromium, total	ug/L	MW-24	09/07/2018	ND	8.0000		
Chromium, total	ug/L	MW-24	04/02/2019	ND	8.0000		
Chromium, total	ug/L	MW-24	09/18/2019	ND	8.0000		
Chromium, total	ug/L	MW-24	03/25/2020	ND	8.0000		
Chromium, total	ug/L	MW-24	09/15/2020	ND	8.0000		
Chromium, total	ug/L	MW-24	03/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-24	09/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-24	03/08/2022	ND	8.0000		
Chromium, total	ug/L	MW-24	08/30/2022	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-24	03/07/2023	ND	8.0000		
Chromium, total	ug/L	MW-24	09/11/2023	ND	8.0000		
Chromium, total	ug/L	MW-24	03/20/2024	ND	8.0000		
Chromium, total	ug/L	MW-24	09/12/2024	ND	8.0000		
Chromium, total	ug/L	MW-24	03/03/2025	ND	8.0000		
Chromium, total	ug/L	MW-24	09/25/2025		1.6000		*
Cobalt, total	ug/L	MW-24	10/16/2014		37.2000		*
Cobalt, total	ug/L	MW-24	04/04/2015		14.0000		
Cobalt, total	ug/L	MW-24	10/01/2015		2.0000		
Cobalt, total	ug/L	MW-24	04/04/2016		3.7000		
Cobalt, total	ug/L	MW-24	09/20/2016		5.6000		
Cobalt, total	ug/L	MW-24	04/24/2017		2.2000		
Cobalt, total	ug/L	MW-24	10/09/2017		1.2000		
Cobalt, total	ug/L	MW-24	03/21/2018	ND	2.0000	0.8000	**
Cobalt, total	ug/L	MW-24	09/07/2018		0.9000		
Cobalt, total	ug/L	MW-24	04/02/2019		2.0000		
Cobalt, total	ug/L	MW-24	09/18/2019		1.6000		
Cobalt, total	ug/L	MW-24	03/25/2020		2.1000		
Cobalt, total	ug/L	MW-24	09/15/2020		0.8000		
Cobalt, total	ug/L	MW-24	03/08/2021		1.1000		
Cobalt, total	ug/L	MW-24	09/28/2021		1.0000		
Cobalt, total	ug/L	MW-24	03/08/2022		1.7000		
Cobalt, total	ug/L	MW-24	08/30/2022		0.6000		
Cobalt, total	ug/L	MW-24	03/07/2023	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-24	09/11/2023		1.2000		
Cobalt, total	ug/L	MW-24	03/20/2024	ND	0.4000	0.8000	**
Cobalt, total	ug/L	MW-24	09/12/2024		0.6000		
Cobalt, total	ug/L	MW-24	03/03/2025		0.4000		
Cobalt, total	ug/L	MW-24	09/25/2025	ND	0.5000	0.8000	**
Copper, total	ug/L	MW-24	10/16/2014		67.1000		*
Copper, total	ug/L	MW-24	04/04/2015		10.0000		
Copper, total	ug/L	MW-24	10/01/2015	ND	4.0000		
Copper, total	ug/L	MW-24	04/04/2016	ND	4.0000		
Copper, total	ug/L	MW-24	09/20/2016	ND	4.0000		
Copper, total	ug/L	MW-24	04/24/2017	ND	4.0000		
Copper, total	ug/L	MW-24	10/09/2017	ND	4.0000		
Copper, total	ug/L	MW-24	03/21/2018	ND	4.0000		
Copper, total	ug/L	MW-24	09/07/2018	ND	4.0000		
Copper, total	ug/L	MW-24	04/02/2019	ND	4.0000		
Copper, total	ug/L	MW-24	09/18/2019	ND	4.0000		
Copper, total	ug/L	MW-24	03/25/2020	ND	4.0000		
Copper, total	ug/L	MW-24	09/15/2020	ND	4.0000		
Copper, total	ug/L	MW-24	03/08/2021	ND	4.0000		
Copper, total	ug/L	MW-24	09/28/2021	ND	4.0000		
Copper, total	ug/L	MW-24	03/08/2022	ND	4.0000		
Copper, total	ug/L	MW-24	08/30/2022	ND	4.0000		
Copper, total	ug/L	MW-24	03/07/2023	ND	4.0000		
Copper, total	ug/L	MW-24	09/11/2023	ND	4.0000		
Copper, total	ug/L	MW-24	03/20/2024	ND	4.0000		
Copper, total	ug/L	MW-24	09/12/2024	ND	4.0000		
Copper, total	ug/L	MW-24	03/03/2025		4.9000		
Copper, total	ug/L	MW-24	09/25/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-24	10/16/2014		27.0000		*
Lead, total	ug/L	MW-24	04/04/2015	ND	4.0000		
Lead, total	ug/L	MW-24	10/01/2015	ND	4.0000		
Lead, total	ug/L	MW-24	04/04/2016	ND	4.0000		
Lead, total	ug/L	MW-24	09/20/2016	ND	4.0000		
Lead, total	ug/L	MW-24	04/24/2017	ND	4.0000		
Lead, total	ug/L	MW-24	10/09/2017	ND	4.0000		
Lead, total	ug/L	MW-24	03/21/2018	ND	4.0000		
Lead, total	ug/L	MW-24	09/07/2018	ND	4.0000		
Lead, total	ug/L	MW-24	04/02/2019		6.8000		
Lead, total	ug/L	MW-24	09/18/2019	ND	4.0000		
Lead, total	ug/L	MW-24	03/25/2020	ND	4.0000		
Lead, total	ug/L	MW-24	09/15/2020	ND	4.0000		
Lead, total	ug/L	MW-24	03/08/2021	ND	4.0000		
Lead, total	ug/L	MW-24	09/28/2021	ND	4.0000		
Lead, total	ug/L	MW-24	03/08/2022	ND	4.0000		
Lead, total	ug/L	MW-24	08/30/2022	ND	4.0000		
Lead, total	ug/L	MW-24	03/07/2023	ND	4.0000		
Lead, total	ug/L	MW-24	09/11/2023	ND	4.0000		
Lead, total	ug/L	MW-24	03/20/2024	ND	4.0000		
Lead, total	ug/L	MW-24	09/12/2024	ND	4.0000		
Lead, total	ug/L	MW-24	03/03/2025	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-24	09/25/2025	ND	1.0000		*
Nickel, total	ug/L	MW-24	10/16/2014		81.2000		*
Nickel, total	ug/L	MW-24	04/04/2015		25.1000		*
Nickel, total	ug/L	MW-24	10/01/2015	ND	4.0000		
Nickel, total	ug/L	MW-24	04/04/2016		4.0000		
Nickel, total	ug/L	MW-24	09/20/2016	ND	4.0000		
Nickel, total	ug/L	MW-24	04/24/2017		4.3000		
Nickel, total	ug/L	MW-24	10/09/2017	ND	4.0000		
Nickel, total	ug/L	MW-24	03/21/2018	ND	20.0000		*
Nickel, total	ug/L	MW-24	09/07/2018	ND	4.0000		
Nickel, total	ug/L	MW-24	04/02/2019	ND	4.0000		
Nickel, total	ug/L	MW-24	09/18/2019	ND	4.0000		
Nickel, total	ug/L	MW-24	03/25/2020	ND	4.0000		
Nickel, total	ug/L	MW-24	09/15/2020	ND	4.0000		
Nickel, total	ug/L	MW-24	03/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-24	09/28/2021	ND	4.0000		
Nickel, total	ug/L	MW-24	03/08/2022	ND	4.0000		
Nickel, total	ug/L	MW-24	08/30/2022	ND	4.0000		
Nickel, total	ug/L	MW-24	03/07/2023	ND	4.0000		
Nickel, total	ug/L	MW-24	09/11/2023	ND	4.0000		
Nickel, total	ug/L	MW-24	03/20/2024	ND	4.0000		
Nickel, total	ug/L	MW-24	09/12/2024	ND	4.0000		
Nickel, total	ug/L	MW-24	03/03/2025	ND	4.0000		
Nickel, total	ug/L	MW-24	09/25/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-24	10/16/2014		16.4000		*
Selenium, total	ug/L	MW-24	04/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-24	10/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-24	04/04/2016	ND	4.0000		
Selenium, total	ug/L	MW-24	09/20/2016	ND	4.0000		
Selenium, total	ug/L	MW-24	04/24/2017	ND	4.0000		
Selenium, total	ug/L	MW-24	10/09/2017	ND	4.0000		
Selenium, total	ug/L	MW-24	03/21/2018	ND	4.0000		
Selenium, total	ug/L	MW-24	09/07/2018	ND	4.0000		
Selenium, total	ug/L	MW-24	04/02/2019	ND	4.0000		
Selenium, total	ug/L	MW-24	09/18/2019	ND	4.0000		
Selenium, total	ug/L	MW-24	03/25/2020	ND	4.0000		
Selenium, total	ug/L	MW-24	09/15/2020	ND	4.0000		
Selenium, total	ug/L	MW-24	03/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-24	09/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-24	03/08/2022	ND	4.0000		
Selenium, total	ug/L	MW-24	08/30/2022	ND	4.0000		
Selenium, total	ug/L	MW-24	03/07/2023	ND	4.0000		
Selenium, total	ug/L	MW-24	09/11/2023	ND	4.0000		
Selenium, total	ug/L	MW-24	03/20/2024	ND	4.0000		
Selenium, total	ug/L	MW-24	09/12/2024	ND	4.0000		
Selenium, total	ug/L	MW-24	03/03/2025	ND	4.0000		
Selenium, total	ug/L	MW-24	09/25/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-24	10/16/2014	ND	4.0000		
Silver, total	ug/L	MW-24	04/04/2015	ND	4.0000		
Silver, total	ug/L	MW-24	10/01/2015	ND	4.0000		
Silver, total	ug/L	MW-24	04/04/2016	ND	4.0000		
Silver, total	ug/L	MW-24	09/20/2016	ND	4.0000		
Silver, total	ug/L	MW-24	04/24/2017	ND	4.0000		
Silver, total	ug/L	MW-24	10/09/2017	ND	4.0000		
Silver, total	ug/L	MW-24	03/21/2018	ND	4.0000		
Silver, total	ug/L	MW-24	09/07/2018	ND	4.0000		
Silver, total	ug/L	MW-24	04/02/2019	ND	4.0000		
Silver, total	ug/L	MW-24	09/18/2019	ND	4.0000		
Silver, total	ug/L	MW-24	03/25/2020	ND	4.0000		
Silver, total	ug/L	MW-24	09/15/2020	ND	4.0000		
Silver, total	ug/L	MW-24	03/08/2021	ND	4.0000		
Silver, total	ug/L	MW-24	09/28/2021	ND	4.0000		
Silver, total	ug/L	MW-24	03/08/2022	ND	4.0000		
Silver, total	ug/L	MW-24	08/30/2022	ND	4.0000		
Silver, total	ug/L	MW-24	03/07/2023	ND	4.0000		
Silver, total	ug/L	MW-24	09/11/2023	ND	4.0000		
Silver, total	ug/L	MW-24	03/20/2024	ND	4.0000		
Silver, total	ug/L	MW-24	09/12/2024	ND	4.0000		
Silver, total	ug/L	MW-24	03/03/2025	ND	4.0000		
Silver, total	ug/L	MW-24	09/25/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-24	10/16/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-24	04/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-24	10/01/2015	ND	1.0000	2.0000	**
Thallium, total	ug/L	MW-24	04/04/2016	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-24	09/20/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-24	04/24/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-24	10/09/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-24	03/21/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-24	09/07/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-24	04/02/2019	ND	2.0000		
Thallium, total	ug/L	MW-24	09/18/2019	ND	2.0000		
Thallium, total	ug/L	MW-24	03/25/2020	ND	2.0000		
Thallium, total	ug/L	MW-24	09/15/2020	ND	2.0000		
Thallium, total	ug/L	MW-24	03/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-24	09/28/2021	ND	2.0000		
Thallium, total	ug/L	MW-24	03/08/2022	ND	2.0000		
Thallium, total	ug/L	MW-24	08/30/2022	ND	2.0000		
Thallium, total	ug/L	MW-24	03/07/2023	ND	2.0000		
Thallium, total	ug/L	MW-24	09/11/2023	ND	2.0000		
Thallium, total	ug/L	MW-24	03/20/2024	ND	2.0000		
Thallium, total	ug/L	MW-24	09/12/2024	ND	2.0000		
Thallium, total	ug/L	MW-24	03/03/2025	ND	2.0000		
Thallium, total	ug/L	MW-24	09/25/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-24	10/16/2014		72.3000		*
Vanadium, total	ug/L	MW-24	04/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-24	10/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-24	04/04/2016	ND	20.0000		
Vanadium, total	ug/L	MW-24	09/20/2016	ND	20.0000		
Vanadium, total	ug/L	MW-24	04/24/2017	ND	20.0000		
Vanadium, total	ug/L	MW-24	10/09/2017	ND	20.0000		
Vanadium, total	ug/L	MW-24	03/21/2018	ND	20.0000		
Vanadium, total	ug/L	MW-24	09/07/2018	ND	20.0000		
Vanadium, total	ug/L	MW-24	04/02/2019	ND	20.0000		
Vanadium, total	ug/L	MW-24	09/18/2019	ND	20.0000		
Vanadium, total	ug/L	MW-24	03/25/2020	ND	20.0000		
Vanadium, total	ug/L	MW-24	09/15/2020	ND	20.0000		
Vanadium, total	ug/L	MW-24	03/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-24	09/28/2021	ND	20.0000		
Vanadium, total	ug/L	MW-24	03/08/2022	ND	20.0000		
Vanadium, total	ug/L	MW-24	08/30/2022	ND	20.0000		
Vanadium, total	ug/L	MW-24	03/07/2023	ND	20.0000		
Vanadium, total	ug/L	MW-24	09/11/2023	ND	20.0000		
Vanadium, total	ug/L	MW-24	03/20/2024	ND	20.0000		
Vanadium, total	ug/L	MW-24	09/12/2024	ND	20.0000		
Vanadium, total	ug/L	MW-24	03/03/2025	ND	20.0000		
Vanadium, total	ug/L	MW-24	09/25/2025	ND	2.0000		*
Zinc, total	ug/L	MW-24	10/16/2014		117.0000		
Zinc, total	ug/L	MW-24	04/04/2015		16.2000		
Zinc, total	ug/L	MW-24	10/01/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-24	04/04/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-24	09/20/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-24	04/24/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-24	10/09/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-24	03/21/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-24	09/07/2018		106.0000		
Zinc, total	ug/L	MW-24	04/02/2019		39.2000		
Zinc, total	ug/L	MW-24	09/18/2019		56.9000		
Zinc, total	ug/L	MW-24	03/25/2020	ND	20.0000		
Zinc, total	ug/L	MW-24	09/15/2020	ND	20.0000		
Zinc, total	ug/L	MW-24	03/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-24	09/28/2021	ND	20.0000		
Zinc, total	ug/L	MW-24	03/08/2022	ND	20.0000		
Zinc, total	ug/L	MW-24	08/30/2022	ND	20.0000		
Zinc, total	ug/L	MW-24	03/07/2023	ND	20.0000		
Zinc, total	ug/L	MW-24	09/11/2023	ND	20.0000		
Zinc, total	ug/L	MW-24	03/20/2024	ND	20.0000		
Zinc, total	ug/L	MW-24	09/12/2024	ND	20.0000		
Zinc, total	ug/L	MW-24	03/03/2025	ND	20.0000		
Zinc, total	ug/L	MW-24	09/25/2025		10.1000		
Antimony, total	ug/L	MW-9	10/16/2014	ND	2.0000		
Antimony, total	ug/L	MW-9	04/04/2015	ND	2.0000		
Antimony, total	ug/L	MW-9	10/01/2015	ND	2.0000		
Antimony, total	ug/L	MW-9	04/04/2016	ND	2.0000		
Antimony, total	ug/L	MW-9	09/20/2016	ND	2.0000		
Antimony, total	ug/L	MW-9	04/24/2017	ND	2.0000		
Antimony, total	ug/L	MW-9	10/09/2017	ND	2.0000		
Antimony, total	ug/L	MW-9	03/21/2018	ND	2.0000		
Antimony, total	ug/L	MW-9	09/07/2018	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-9	04/02/2019	ND	2.0000		
Antimony, total	ug/L	MW-9	09/18/2019	ND	2.0000		
Antimony, total	ug/L	MW-9	03/25/2020	ND	2.0000		
Antimony, total	ug/L	MW-9	09/15/2020	ND	2.0000		
Antimony, total	ug/L	MW-9	03/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-9	09/28/2021	ND	2.0000		
Antimony, total	ug/L	MW-9	03/08/2022	ND	2.0000		
Antimony, total	ug/L	MW-9	08/30/2022	ND	2.0000		
Antimony, total	ug/L	MW-9	03/07/2023	ND	2.0000		
Antimony, total	ug/L	MW-9	09/11/2023	ND	2.0000		
Antimony, total	ug/L	MW-9	03/20/2024	ND	2.0000		
Antimony, total	ug/L	MW-9	09/12/2024	ND	2.0000		
Antimony, total	ug/L	MW-9	03/03/2025	ND	2.0000		
Antimony, total	ug/L	MW-9	09/25/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-9	10/16/2014		6.1000		
Arsenic, total	ug/L	MW-9	04/04/2015		8.4000		
Arsenic, total	ug/L	MW-9	10/01/2015		8.9000		
Arsenic, total	ug/L	MW-9	04/04/2016		5.9000		
Arsenic, total	ug/L	MW-9	09/20/2016	ND	4.0000		
Arsenic, total	ug/L	MW-9	04/24/2017	ND	4.0000		
Arsenic, total	ug/L	MW-9	10/09/2017	ND	4.0000		
Arsenic, total	ug/L	MW-9	03/21/2018	ND	4.0000		
Arsenic, total	ug/L	MW-9	09/07/2018		12.2000		
Arsenic, total	ug/L	MW-9	04/02/2019	ND	4.0000		
Arsenic, total	ug/L	MW-9	09/18/2019		19.4000		
Arsenic, total	ug/L	MW-9	03/25/2020	ND	4.0000		
Arsenic, total	ug/L	MW-9	09/15/2020	ND	4.0000		
Arsenic, total	ug/L	MW-9	03/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-9	09/28/2021	ND	4.0000		
Arsenic, total	ug/L	MW-9	03/08/2022	ND	4.0000		
Arsenic, total	ug/L	MW-9	08/30/2022	ND	4.0000		
Arsenic, total	ug/L	MW-9	03/07/2023	ND	4.0000		
Arsenic, total	ug/L	MW-9	09/11/2023		7.2000		
Arsenic, total	ug/L	MW-9	03/20/2024		7.0000		
Arsenic, total	ug/L	MW-9	09/12/2024		4.3000		
Arsenic, total	ug/L	MW-9	03/03/2025	ND	4.0000		
Arsenic, total	ug/L	MW-9	09/25/2025		3.0000		
Barium, total	ug/L	MW-9	10/16/2014		271.0000		
Barium, total	ug/L	MW-9	04/04/2015		291.0000		
Barium, total	ug/L	MW-9	10/01/2015		291.0000		
Barium, total	ug/L	MW-9	04/04/2016		259.0000		
Barium, total	ug/L	MW-9	09/20/2016		267.0000		
Barium, total	ug/L	MW-9	04/24/2017		264.0000		
Barium, total	ug/L	MW-9	10/09/2017		253.0000		
Barium, total	ug/L	MW-9	03/21/2018		266.0000		
Barium, total	ug/L	MW-9	09/07/2018		290.0000		
Barium, total	ug/L	MW-9	04/02/2019		270.0000		
Barium, total	ug/L	MW-9	09/18/2019		332.0000		
Barium, total	ug/L	MW-9	03/25/2020		272.0000		
Barium, total	ug/L	MW-9	09/15/2020		285.0000		
Barium, total	ug/L	MW-9	03/08/2021		292.0000		
Barium, total	ug/L	MW-9	09/28/2021		259.0000		
Barium, total	ug/L	MW-9	03/08/2022		291.0000		
Barium, total	ug/L	MW-9	08/30/2022		241.0000		
Barium, total	ug/L	MW-9	03/07/2023		269.0000		
Barium, total	ug/L	MW-9	09/11/2023		288.0000		
Barium, total	ug/L	MW-9	03/20/2024		295.0000		
Barium, total	ug/L	MW-9	09/12/2024		305.0000		
Barium, total	ug/L	MW-9	03/03/2025		282.0000		
Barium, total	ug/L	MW-9	09/25/2025		323.0000		
Beryllium, total	ug/L	MW-9	10/16/2014	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/04/2015	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/01/2015	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/04/2016	ND	4.0000		
Beryllium, total	ug/L	MW-9	09/20/2016	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/24/2017	ND	4.0000		
Beryllium, total	ug/L	MW-9	10/09/2017	ND	4.0000		
Beryllium, total	ug/L	MW-9	03/21/2018	ND	4.0000		
Beryllium, total	ug/L	MW-9	09/07/2018	ND	4.0000		
Beryllium, total	ug/L	MW-9	04/02/2019	ND	4.0000		
Beryllium, total	ug/L	MW-9	09/18/2019	ND	4.0000		
Beryllium, total	ug/L	MW-9	03/25/2020	ND	4.0000		
Beryllium, total	ug/L	MW-9	09/15/2020	ND	4.0000		
Beryllium, total	ug/L	MW-9	03/08/2021	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium, total	ug/L	MW-9	09/28/2021	ND	4.0000		
Beryllium, total	ug/L	MW-9	03/08/2022	ND	4.0000		
Beryllium, total	ug/L	MW-9	08/30/2022	ND	4.0000		
Beryllium, total	ug/L	MW-9	03/07/2023	ND	4.0000		
Beryllium, total	ug/L	MW-9	09/11/2023	ND	4.0000		
Beryllium, total	ug/L	MW-9	03/20/2024	ND	4.0000		
Beryllium, total	ug/L	MW-9	09/12/2024	ND	4.0000		
Beryllium, total	ug/L	MW-9	03/03/2025	ND	4.0000		
Beryllium, total	ug/L	MW-9	09/25/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-9	10/16/2014	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/04/2015	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/01/2015	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/04/2016		1.5000		
Cadmium, total	ug/L	MW-9	09/20/2016	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/24/2017	ND	0.8000		
Cadmium, total	ug/L	MW-9	10/09/2017	ND	0.8000		
Cadmium, total	ug/L	MW-9	03/21/2018	ND	0.8000		
Cadmium, total	ug/L	MW-9	09/07/2018	ND	0.8000		
Cadmium, total	ug/L	MW-9	04/02/2019	ND	0.8000		
Cadmium, total	ug/L	MW-9	09/18/2019	ND	0.8000		
Cadmium, total	ug/L	MW-9	03/25/2020	ND	0.8000		
Cadmium, total	ug/L	MW-9	09/15/2020	ND	0.8000		
Cadmium, total	ug/L	MW-9	03/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-9	09/28/2021	ND	0.8000		
Cadmium, total	ug/L	MW-9	03/08/2022	ND	0.8000		
Cadmium, total	ug/L	MW-9	08/30/2022	ND	0.8000		
Cadmium, total	ug/L	MW-9	03/07/2023	ND	0.8000		
Cadmium, total	ug/L	MW-9	09/11/2023	ND	0.8000		
Cadmium, total	ug/L	MW-9	03/20/2024	ND	0.8000		
Cadmium, total	ug/L	MW-9	09/12/2024	ND	0.8000		
Cadmium, total	ug/L	MW-9	03/03/2025	ND	0.8000		
Cadmium, total	ug/L	MW-9	09/25/2025		0.7000		
Chromium, total	ug/L	MW-9	10/16/2014	ND	8.0000		
Chromium, total	ug/L	MW-9	04/04/2015	ND	8.0000		
Chromium, total	ug/L	MW-9	10/01/2015	ND	8.0000		
Chromium, total	ug/L	MW-9	04/04/2016	ND	8.0000		
Chromium, total	ug/L	MW-9	09/20/2016	ND	8.0000		
Chromium, total	ug/L	MW-9	04/24/2017	ND	8.0000		
Chromium, total	ug/L	MW-9	10/09/2017	ND	8.0000		
Chromium, total	ug/L	MW-9	03/21/2018	ND	8.0000		
Chromium, total	ug/L	MW-9	09/07/2018	ND	8.0000		
Chromium, total	ug/L	MW-9	04/02/2019	ND	8.0000		
Chromium, total	ug/L	MW-9	09/18/2019	ND	8.0000		
Chromium, total	ug/L	MW-9	03/25/2020	ND	8.0000		
Chromium, total	ug/L	MW-9	09/15/2020	ND	8.0000		
Chromium, total	ug/L	MW-9	03/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-9	09/28/2021	ND	8.0000		
Chromium, total	ug/L	MW-9	03/08/2022	ND	8.0000		
Chromium, total	ug/L	MW-9	08/30/2022	ND	8.0000		
Chromium, total	ug/L	MW-9	03/07/2023	ND	8.0000		
Chromium, total	ug/L	MW-9	09/11/2023	ND	8.0000		
Chromium, total	ug/L	MW-9	03/20/2024	ND	8.0000		
Chromium, total	ug/L	MW-9	09/12/2024	ND	8.0000		
Chromium, total	ug/L	MW-9	03/03/2025	ND	8.0000		
Chromium, total	ug/L	MW-9	09/25/2025		1.4000		*
Cobalt, total	ug/L	MW-9	10/16/2014		5.8000		
Cobalt, total	ug/L	MW-9	04/04/2015		6.0000		
Cobalt, total	ug/L	MW-9	10/01/2015		4.6000		
Cobalt, total	ug/L	MW-9	04/04/2016		5.7000		
Cobalt, total	ug/L	MW-9	09/20/2016		6.4000		
Cobalt, total	ug/L	MW-9	04/24/2017		5.2000		
Cobalt, total	ug/L	MW-9	10/09/2017		4.9000		
Cobalt, total	ug/L	MW-9	03/21/2018		5.3000		
Cobalt, total	ug/L	MW-9	09/07/2018		5.4000		
Cobalt, total	ug/L	MW-9	04/02/2019		5.4000		
Cobalt, total	ug/L	MW-9	09/18/2019		5.7000		
Cobalt, total	ug/L	MW-9	03/25/2020		5.3000		
Cobalt, total	ug/L	MW-9	09/15/2020		5.8000		
Cobalt, total	ug/L	MW-9	03/08/2021		5.1000		
Cobalt, total	ug/L	MW-9	09/28/2021		4.8000		
Cobalt, total	ug/L	MW-9	03/08/2022		5.1000		
Cobalt, total	ug/L	MW-9	08/30/2022		5.0000		
Cobalt, total	ug/L	MW-9	03/07/2023		4.8000		
Cobalt, total	ug/L	MW-9	09/11/2023		5.3000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, total	ug/L	MW-9	03/20/2024		4.5000		
Cobalt, total	ug/L	MW-9	09/12/2024		4.5000		
Cobalt, total	ug/L	MW-9	03/03/2025		3.9000		
Cobalt, total	ug/L	MW-9	09/25/2025		4.6000		
Copper, total	ug/L	MW-9	10/16/2014		4.3000		
Copper, total	ug/L	MW-9	04/04/2015		26.3000		*
Copper, total	ug/L	MW-9	10/01/2015	ND	4.0000		
Copper, total	ug/L	MW-9	04/04/2016		5.3000		
Copper, total	ug/L	MW-9	09/20/2016		8.4000		
Copper, total	ug/L	MW-9	04/24/2017	ND	4.0000		
Copper, total	ug/L	MW-9	10/09/2017	ND	4.0000		
Copper, total	ug/L	MW-9	03/21/2018		18.0000		*
Copper, total	ug/L	MW-9	06/11/2018	ND	4.0000		
Copper, total	ug/L	MW-9	09/07/2018	ND	4.0000		
Copper, total	ug/L	MW-9	04/02/2019	ND	4.0000		
Copper, total	ug/L	MW-9	09/18/2019		7.1000		
Copper, total	ug/L	MW-9	03/25/2020	ND	4.0000		
Copper, total	ug/L	MW-9	09/15/2020	ND	4.0000		
Copper, total	ug/L	MW-9	03/08/2021	ND	4.0000		
Copper, total	ug/L	MW-9	09/28/2021	ND	4.0000		
Copper, total	ug/L	MW-9	03/08/2022	ND	4.0000		
Copper, total	ug/L	MW-9	08/30/2022	ND	4.0000		
Copper, total	ug/L	MW-9	03/07/2023	ND	4.0000		
Copper, total	ug/L	MW-9	09/11/2023	ND	4.0000		
Copper, total	ug/L	MW-9	03/20/2024	ND	4.0000		
Copper, total	ug/L	MW-9	09/12/2024	ND	4.0000		
Copper, total	ug/L	MW-9	03/03/2025	ND	4.0000		
Copper, total	ug/L	MW-9	09/25/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-9	10/16/2014	ND	4.0000		
Lead, total	ug/L	MW-9	04/04/2015	ND	4.0000		
Lead, total	ug/L	MW-9	10/01/2015	ND	4.0000		
Lead, total	ug/L	MW-9	04/04/2016	ND	4.0000		
Lead, total	ug/L	MW-9	09/20/2016	ND	4.0000		
Lead, total	ug/L	MW-9	04/24/2017	ND	4.0000		
Lead, total	ug/L	MW-9	10/09/2017	ND	4.0000		
Lead, total	ug/L	MW-9	03/21/2018	ND	4.0000		
Lead, total	ug/L	MW-9	09/07/2018	ND	4.0000		
Lead, total	ug/L	MW-9	04/02/2019	ND	4.0000		
Lead, total	ug/L	MW-9	09/18/2019	ND	4.0000		
Lead, total	ug/L	MW-9	03/25/2020	ND	4.0000		
Lead, total	ug/L	MW-9	09/15/2020	ND	4.0000		
Lead, total	ug/L	MW-9	03/08/2021	ND	4.0000		
Lead, total	ug/L	MW-9	09/28/2021	ND	4.0000		
Lead, total	ug/L	MW-9	03/08/2022	ND	4.0000		
Lead, total	ug/L	MW-9	08/30/2022	ND	4.0000		
Lead, total	ug/L	MW-9	03/07/2023	ND	4.0000		
Lead, total	ug/L	MW-9	09/11/2023	ND	4.0000		
Lead, total	ug/L	MW-9	03/20/2024	ND	4.0000		
Lead, total	ug/L	MW-9	09/12/2024	ND	4.0000		
Lead, total	ug/L	MW-9	03/03/2025	ND	4.0000		
Lead, total	ug/L	MW-9	09/25/2025	ND	1.0000		*
Nickel, total	ug/L	MW-9	10/16/2014		12.4000		
Nickel, total	ug/L	MW-9	04/04/2015		11.8000		
Nickel, total	ug/L	MW-9	10/01/2015		8.6000		
Nickel, total	ug/L	MW-9	04/04/2016		11.2000		
Nickel, total	ug/L	MW-9	09/20/2016		8.2000		
Nickel, total	ug/L	MW-9	04/24/2017		10.9000		
Nickel, total	ug/L	MW-9	10/09/2017		11.0000		
Nickel, total	ug/L	MW-9	03/21/2018		10.9000		
Nickel, total	ug/L	MW-9	09/07/2018		10.6000		
Nickel, total	ug/L	MW-9	04/02/2019		11.0000		
Nickel, total	ug/L	MW-9	09/18/2019		11.6000		
Nickel, total	ug/L	MW-9	03/25/2020		11.0000		
Nickel, total	ug/L	MW-9	09/15/2020		11.2000		
Nickel, total	ug/L	MW-9	03/08/2021		10.1000		
Nickel, total	ug/L	MW-9	09/28/2021		9.5000		
Nickel, total	ug/L	MW-9	03/08/2022		10.6000		
Nickel, total	ug/L	MW-9	08/30/2022		9.8000		
Nickel, total	ug/L	MW-9	03/07/2023		10.0000		
Nickel, total	ug/L	MW-9	09/11/2023		9.8000		
Nickel, total	ug/L	MW-9	03/20/2024		9.2000		
Nickel, total	ug/L	MW-9	09/12/2024		9.5000		
Nickel, total	ug/L	MW-9	03/03/2025		7.8000		
Nickel, total	ug/L	MW-9	09/25/2025		10.2000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, total	ug/L	MW-9	10/16/2014	ND	4.0000		
Selenium, total	ug/L	MW-9	04/04/2015	ND	4.0000		
Selenium, total	ug/L	MW-9	10/01/2015	ND	4.0000		
Selenium, total	ug/L	MW-9	04/04/2016	ND	4.0000		
Selenium, total	ug/L	MW-9	09/20/2016	ND	4.0000		
Selenium, total	ug/L	MW-9	04/24/2017	ND	4.0000		
Selenium, total	ug/L	MW-9	10/09/2017	ND	4.0000		
Selenium, total	ug/L	MW-9	03/21/2018	ND	4.0000		
Selenium, total	ug/L	MW-9	09/07/2018	ND	4.0000		
Selenium, total	ug/L	MW-9	04/02/2019	ND	4.0000		
Selenium, total	ug/L	MW-9	09/18/2019	ND	4.0000		
Selenium, total	ug/L	MW-9	03/25/2020	ND	4.0000		
Selenium, total	ug/L	MW-9	09/15/2020	ND	4.0000		
Selenium, total	ug/L	MW-9	03/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-9	09/28/2021	ND	4.0000		
Selenium, total	ug/L	MW-9	03/08/2022	ND	4.0000		
Selenium, total	ug/L	MW-9	08/30/2022	ND	4.0000		
Selenium, total	ug/L	MW-9	03/07/2023	ND	4.0000		
Selenium, total	ug/L	MW-9	09/11/2023	ND	4.0000		
Selenium, total	ug/L	MW-9	03/20/2024	ND	4.0000		
Selenium, total	ug/L	MW-9	09/12/2024	ND	4.0000		
Selenium, total	ug/L	MW-9	03/03/2025	ND	4.0000		
Selenium, total	ug/L	MW-9	09/25/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-9	10/16/2014	ND	4.0000		
Silver, total	ug/L	MW-9	04/04/2015	ND	4.0000		
Silver, total	ug/L	MW-9	10/01/2015	ND	4.0000		
Silver, total	ug/L	MW-9	04/04/2016	ND	4.0000		
Silver, total	ug/L	MW-9	09/20/2016	ND	4.0000		
Silver, total	ug/L	MW-9	04/24/2017	ND	4.0000		
Silver, total	ug/L	MW-9	10/09/2017	ND	4.0000		
Silver, total	ug/L	MW-9	03/21/2018	ND	4.0000		
Silver, total	ug/L	MW-9	09/07/2018	ND	4.0000		
Silver, total	ug/L	MW-9	04/02/2019	ND	4.0000		
Silver, total	ug/L	MW-9	09/18/2019	ND	4.0000		
Silver, total	ug/L	MW-9	03/25/2020	ND	4.0000		
Silver, total	ug/L	MW-9	09/15/2020	ND	4.0000		
Silver, total	ug/L	MW-9	03/08/2021	ND	4.0000		
Silver, total	ug/L	MW-9	09/28/2021	ND	4.0000		
Silver, total	ug/L	MW-9	03/08/2022	ND	4.0000		
Silver, total	ug/L	MW-9	08/30/2022	ND	4.0000		
Silver, total	ug/L	MW-9	03/07/2023	ND	4.0000		
Silver, total	ug/L	MW-9	09/11/2023	ND	4.0000		
Silver, total	ug/L	MW-9	03/20/2024	ND	4.0000		
Silver, total	ug/L	MW-9	09/12/2024	ND	4.0000		
Silver, total	ug/L	MW-9	03/03/2025	ND	4.0000		
Silver, total	ug/L	MW-9	09/25/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-9	10/16/2014	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/04/2015	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	10/01/2015	ND	1.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/04/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	09/20/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/24/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	10/09/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	03/21/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	09/07/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-9	04/02/2019	ND	2.0000		
Thallium, total	ug/L	MW-9	09/18/2019	ND	2.0000		
Thallium, total	ug/L	MW-9	03/25/2020	ND	2.0000		
Thallium, total	ug/L	MW-9	09/15/2020	ND	2.0000		
Thallium, total	ug/L	MW-9	03/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-9	09/28/2021	ND	2.0000		
Thallium, total	ug/L	MW-9	03/08/2022	ND	2.0000		
Thallium, total	ug/L	MW-9	08/30/2022	ND	2.0000		
Thallium, total	ug/L	MW-9	03/07/2023	ND	2.0000		
Thallium, total	ug/L	MW-9	09/11/2023	ND	2.0000		
Thallium, total	ug/L	MW-9	03/20/2024	ND	2.0000		
Thallium, total	ug/L	MW-9	09/12/2024	ND	2.0000		
Thallium, total	ug/L	MW-9	03/03/2025	ND	2.0000		
Thallium, total	ug/L	MW-9	09/25/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-9	10/16/2014	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/04/2015	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/01/2015	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/04/2016	ND	20.0000		
Vanadium, total	ug/L	MW-9	09/20/2016	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Vanadium, total	ug/L	MW-9	04/24/2017	ND	20.0000		
Vanadium, total	ug/L	MW-9	10/09/2017	ND	20.0000		
Vanadium, total	ug/L	MW-9	03/21/2018	ND	20.0000		
Vanadium, total	ug/L	MW-9	09/07/2018	ND	20.0000		
Vanadium, total	ug/L	MW-9	04/02/2019	ND	20.0000		
Vanadium, total	ug/L	MW-9	09/18/2019	ND	20.0000		
Vanadium, total	ug/L	MW-9	03/25/2020	ND	20.0000		
Vanadium, total	ug/L	MW-9	09/15/2020	ND	20.0000		
Vanadium, total	ug/L	MW-9	03/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-9	09/28/2021	ND	20.0000		
Vanadium, total	ug/L	MW-9	03/08/2022	ND	20.0000		
Vanadium, total	ug/L	MW-9	08/30/2022	ND	20.0000		
Vanadium, total	ug/L	MW-9	03/07/2023	ND	20.0000		
Vanadium, total	ug/L	MW-9	09/11/2023	ND	20.0000		
Vanadium, total	ug/L	MW-9	03/20/2024	ND	20.0000		
Vanadium, total	ug/L	MW-9	09/12/2024	ND	20.0000		
Vanadium, total	ug/L	MW-9	03/03/2025	ND	20.0000		
Vanadium, total	ug/L	MW-9	09/25/2025	ND	2.0000		*
Zinc, total	ug/L	MW-9	10/16/2014	ND	20.0000		
Zinc, total	ug/L	MW-9	04/04/2015	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	10/01/2015		9.8000		
Zinc, total	ug/L	MW-9	04/04/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	09/20/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	04/24/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	10/09/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	03/21/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-9	09/07/2018		73.9000		*
Zinc, total	ug/L	MW-9	04/02/2019	ND	20.0000		
Zinc, total	ug/L	MW-9	09/18/2019		27.7000		
Zinc, total	ug/L	MW-9	03/25/2020	ND	20.0000		
Zinc, total	ug/L	MW-9	09/15/2020	ND	20.0000		
Zinc, total	ug/L	MW-9	03/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-9	09/28/2021	ND	20.0000		
Zinc, total	ug/L	MW-9	03/08/2022	ND	20.0000		
Zinc, total	ug/L	MW-9	08/30/2022	ND	20.0000		
Zinc, total	ug/L	MW-9	03/07/2023	ND	20.0000		
Zinc, total	ug/L	MW-9	09/11/2023	ND	20.0000		
Zinc, total	ug/L	MW-9	03/20/2024	ND	20.0000		
Zinc, total	ug/L	MW-9	09/12/2024	ND	20.0000		
Zinc, total	ug/L	MW-9	03/03/2025	ND	20.0000		
Zinc, total	ug/L	MW-9	09/25/2025		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 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result	Pred. Limit
Antimony, total	ug/L	MW-12	09/25/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-12	09/25/2025		6.0000	167.0000
Barium, total	ug/L	MW-12	09/25/2025		339.0000	1245.9110
Beryllium, total	ug/L	MW-12	09/25/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-12	09/25/2025	ND	0.2000	3.7000
Chromium, total	ug/L	MW-12	09/25/2025		1.0000	11.6000
Cobalt, total	ug/L	MW-12	09/25/2025		5.6000	37.0016
Copper, total	ug/L	MW-12	09/25/2025	ND	5.0000	10.0000
Lead, total	ug/L	MW-12	09/25/2025	ND	1.0000	6.8000
Nickel, total	ug/L	MW-12	09/25/2025		9.1000	22.0411
Selenium, total	ug/L	MW-12	09/25/2025	ND	2.0000	7.5000
Silver, total	ug/L	MW-12	09/25/2025	ND	5.0000	4.0000
Thallium, total	ug/L	MW-12	09/25/2025	ND	0.5000	2.3000
Vanadium, total	ug/L	MW-12	09/25/2025	ND	2.0000	31.6000
Zinc, total	ug/L	MW-12	09/25/2025		9.7000	267.0000
Antimony, total	ug/L	MW-15R	09/25/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-15R	09/25/2025		20.6000	167.0000
Barium, total	ug/L	MW-15R	09/25/2025		435.0000	1245.9110
Beryllium, total	ug/L	MW-15R	09/25/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-15R	09/25/2025		0.2000	3.7000
Chromium, total	ug/L	MW-15R	09/25/2025	ND	1.0000	11.6000
Cobalt, total	ug/L	MW-15R	09/25/2025		4.1000	37.0016
Copper, total	ug/L	MW-15R	09/25/2025	ND	5.0000	10.0000
Lead, total	ug/L	MW-15R	09/25/2025	ND	1.0000	6.8000
Nickel, total	ug/L	MW-15R	09/25/2025		5.5000	22.0411
Selenium, total	ug/L	MW-15R	09/25/2025	ND	2.0000	7.5000
Silver, total	ug/L	MW-15R	09/25/2025	ND	5.0000	4.0000
Thallium, total	ug/L	MW-15R	09/25/2025	ND	0.5000	2.3000
Vanadium, total	ug/L	MW-15R	09/25/2025	ND	2.0000	31.6000
Zinc, total	ug/L	MW-15R	09/25/2025	ND	5.0000	267.0000
Antimony, total	ug/L	MW-20R	09/25/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-20R	09/25/2025		40.0000	167.0000
Barium, total	ug/L	MW-20R	09/25/2025		759.0000	1245.9110
Beryllium, total	ug/L	MW-20R	09/25/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-20R	09/25/2025	ND	0.2000	3.7000
Chromium, total	ug/L	MW-20R	09/25/2025		1.2000	11.6000
Cobalt, total	ug/L	MW-20R	09/25/2025		0.7000	37.0016
Copper, total	ug/L	MW-20R	09/25/2025	ND	5.0000	10.0000
Lead, total	ug/L	MW-20R	09/25/2025	ND	1.0000	6.8000
Nickel, total	ug/L	MW-20R	09/25/2025	ND	5.0000	22.0411
Selenium, total	ug/L	MW-20R	09/25/2025	ND	2.0000	7.5000
Silver, total	ug/L	MW-20R	09/25/2025	ND	5.0000	4.0000
Thallium, total	ug/L	MW-20R	09/25/2025	ND	0.5000	2.3000
Vanadium, total	ug/L	MW-20R	09/25/2025	ND	2.0000	31.6000
Zinc, total	ug/L	MW-20R	09/25/2025	ND	5.0000	267.0000
Antimony, total	ug/L	MW-21	09/25/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-21	09/25/2025		7.0000	167.0000
Barium, total	ug/L	MW-21	09/25/2025		557.0000	1245.9110
Beryllium, total	ug/L	MW-21	09/25/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-21	09/25/2025	ND	0.2000	3.7000
Chromium, total	ug/L	MW-21	09/25/2025	ND	1.0000	11.6000
Cobalt, total	ug/L	MW-21	09/25/2025		0.5000	37.0016
Copper, total	ug/L	MW-21	09/25/2025	ND	5.0000	10.0000
Lead, total	ug/L	MW-21	09/25/2025	ND	1.0000	6.8000
Nickel, total	ug/L	MW-21	09/25/2025		7.1000	22.0411
Selenium, total	ug/L	MW-21	09/25/2025	ND	2.0000	7.5000
Silver, total	ug/L	MW-21	09/25/2025	ND	5.0000	4.0000
Thallium, total	ug/L	MW-21	09/25/2025	ND	0.5000	2.3000
Vanadium, total	ug/L	MW-21	09/25/2025	ND	2.0000	31.6000
Zinc, total	ug/L	MW-21	09/25/2025	ND	5.0000	267.0000
Antimony, total	ug/L	MW-22	09/25/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-22	09/25/2025		70.4000	167.0000
Barium, total	ug/L	MW-22	09/25/2025		392.0000	1245.9110
Beryllium, total	ug/L	MW-22	09/25/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-22	09/25/2025	ND	0.2000	3.7000
Chromium, total	ug/L	MW-22	09/25/2025		1.0000	11.6000
Cobalt, total	ug/L	MW-22	09/25/2025		2.4000	37.0016
Copper, total	ug/L	MW-22	09/25/2025	ND	5.0000	10.0000
Lead, total	ug/L	MW-22	09/25/2025	ND	1.0000	6.8000
Nickel, total	ug/L	MW-22	09/25/2025		5.0000	22.0411
Selenium, total	ug/L	MW-22	09/25/2025	ND	2.0000	7.5000
Silver, total	ug/L	MW-22	09/25/2025	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-22	09/25/2025	ND	0.5000	2.3000
Vanadium, total	ug/L	MW-22	09/25/2025	ND	2.0000	31.6000
Zinc, total	ug/L	MW-22	09/25/2025	ND	5.0000	267.0000
Antimony, total	ug/L	MW-4	09/25/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-4	09/25/2025		67.5000	167.0000
Barium, total	ug/L	MW-4	09/25/2025		1100.0000	1245.9110
Beryllium, total	ug/L	MW-4	09/25/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-4	09/25/2025	ND	0.2000	3.7000
Chromium, total	ug/L	MW-4	09/25/2025		1.1000	11.6000
Cobalt, total	ug/L	MW-4	09/25/2025		1.4000	37.0016
Copper, total	ug/L	MW-4	09/25/2025	ND	5.0000	10.0000
Lead, total	ug/L	MW-4	09/25/2025	ND	1.0000	6.8000
Nickel, total	ug/L	MW-4	09/25/2025	ND	5.0000	22.0411
Selenium, total	ug/L	MW-4	09/25/2025	ND	2.0000	7.5000
Silver, total	ug/L	MW-4	09/25/2025	ND	5.0000	4.0000
Thallium, total	ug/L	MW-4	09/25/2025	ND	0.5000	2.3000
Vanadium, total	ug/L	MW-4	09/25/2025	ND	2.0000	31.6000
Zinc, total	ug/L	MW-4	09/25/2025	ND	5.0000	267.0000
Antimony, total	ug/L	MW-5	09/25/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-5	09/25/2025		10.8000	167.0000
Barium, total	ug/L	MW-5	09/25/2025		285.0000	1245.9110
Beryllium, total	ug/L	MW-5	09/25/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-5	09/25/2025		0.2000	3.7000
Chromium, total	ug/L	MW-5	09/25/2025	ND	1.0000	11.6000
Cobalt, total	ug/L	MW-5	09/25/2025		5.9000	37.0016
Copper, total	ug/L	MW-5	09/25/2025	ND	5.0000	10.0000
Lead, total	ug/L	MW-5	09/25/2025	ND	1.0000	6.8000
Nickel, total	ug/L	MW-5	09/25/2025		6.2000	22.0411
Selenium, total	ug/L	MW-5	09/25/2025	ND	2.0000	7.5000
Silver, total	ug/L	MW-5	09/25/2025	ND	5.0000	4.0000
Thallium, total	ug/L	MW-5	09/25/2025	ND	0.5000	2.3000
Vanadium, total	ug/L	MW-5	09/25/2025	ND	2.0000	31.6000
Zinc, total	ug/L	MW-5	09/25/2025	ND	5.0000	267.0000

* - Current value failed - awaiting verification.

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

*** - Current value failed - exceedance verified.

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

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

ND = Not Detected, Result = detection limit.

Table 3**Detection Frequencies in Upgradient and Downgradient Wells**

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Antimony, total	0	121	0.000	2	256	0.008
Arsenic, total	58	120	0.483	224	257	0.872
Barium, total	120	120	1.000	256	256	1.000
Beryllium, total	0	116	0.000	1	256	0.004
Cadmium, total	20	116	0.172	34	256	0.133
Chromium, total	2	114	0.018	16	256	0.063
Cobalt, total	96	116	0.828	207	256	0.809
Copper, total	13	115	0.113	84	257	0.327
Lead, total	2	112	0.018	37	256	0.145
Nickel, total	91	117	0.778	190	258	0.736
Selenium, total	2	120	0.017	6	256	0.023
Silver, total	0	121	0.000	0	256	0.000
Thallium, total	2	116	0.017	3	256	0.012
Vanadium, total	1	115	0.009	18	256	0.070
Zinc, total	26	118	0.220	100	256	0.391

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	121	0.000									nonpar
Arsenic, total	58	120	0.483	2.051	0.345					2.326	normal	nonpar
Barium, total	120	120	1.000	1.529	0.195					2.326	normal	normal
Beryllium, total	0	116	0.000									nonpar
Cadmium, total	20	116	0.172	0.036	0.752					2.326	normal	nonpar
Chromium, total	2	114	0.018									nonpar
Cobalt, total	96	116	0.828	3.452	0.467					2.326	lognor	lognor
Copper, total	13	115	0.113	1.035	0.667					2.326	normal	nonpar
Lead, total	2	112	0.018									nonpar
Nickel, total	91	117	0.778	1.400	0.635					2.326	normal	normal
Selenium, total	2	120	0.017									nonpar
Silver, total	0	121	0.000									nonpar
Thallium, total	2	116	0.017									nonpar
Vanadium, total	1	115	0.009									nonpar
Zinc, total	26	118	0.220	1.764	0.330					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	121					2.0000	nonpar	***	0.99
Arsenic, total	ug/L	58	120					167.0000	nonpar		0.99
Barium, total	ug/L	120	120	416.8733	350.1161	0.0100	2.3679	1245.9110	normal		
Beryllium, total	ug/L	0	116					4.0000	nonpar	***	0.99
Cadmium, total	ug/L	20	116					3.7000	nonpar		0.99
Chromium, total	ug/L	2	114					11.6000	nonpar		0.99
Cobalt, total	ug/L	96	116	1.0865	1.0654	0.0100	2.3694	37.0016	lognor		
Copper, total	ug/L	13	115					10.0000	nonpar		0.99
Lead, total	ug/L	2	112					6.8000	nonpar		0.99
Nickel, total	ug/L	91	117	8.1162	5.8780	0.0100	2.3690	22.0411	normal		
Selenium, total	ug/L	2	120					7.5000	nonpar		0.99
Silver, total	ug/L	0	121					4.0000	nonpar	***	0.99
Thallium, total	ug/L	2	116					2.3000	nonpar		0.99
Vanadium, total	ug/L	1	115					31.6000	nonpar		0.99
Zinc, total	ug/L	26	118					267.0000	nonpar		0.99

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).

* - Insufficient Data.

** - Calculated limit raised to Manual Reporting Limit.

*** - Nonparametric limit based on ND value.

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

All sample sizes and statistics are based on outlier free data.

For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

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

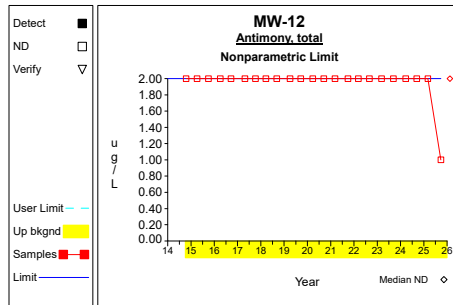
Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Beryllium, total	ug/L	MW-17	09/25/2025	0.5000	< 0.5000	10/16/2014-09/25/2025	23	0.5065
Cadmium, total	ug/L	MW-17	09/25/2025	0.2000		10/16/2014-09/25/2025	23	0.5065
Chromium, total	ug/L	MW-17	09/25/2025	1.4000		10/16/2014-09/25/2025	23	0.5065
Lead, total	ug/L	MW-17	09/25/2025	1.0000	< 1.0000	10/16/2014-09/25/2025	23	0.5065
Thallium, total	ug/L	MW-17	09/25/2025	0.5000	< 0.5000	10/16/2014-09/25/2025	23	0.5065
Vanadium, total	ug/L	MW-17	09/25/2025	2.0000	< 2.0000	10/16/2014-09/25/2025	23	0.5065
Zinc, total	ug/L	MW-17	09/07/2018	67.4000		10/16/2014-09/25/2025	23	0.5162
Zinc, total	ug/L	MW-17	09/18/2019	61.5000		10/16/2014-09/25/2025	23	0.5162
Beryllium, total	ug/L	MW-18	09/25/2025	0.5000	< 0.5000	10/16/2014-09/25/2025	23	0.5065
Cadmium, total	ug/L	MW-18	04/04/2015	3.9000		10/16/2014-09/25/2025	23	0.5065
Cadmium, total	ug/L	MW-18	09/25/2025	0.2000		10/16/2014-09/25/2025	23	0.5065
Chromium, total	ug/L	MW-18	09/25/2025	1.1000		10/16/2014-09/25/2025	22	0.5162
Copper, total	ug/L	MW-18	10/16/2014	31.3000		10/16/2014-09/25/2025	22	0.5263
Copper, total	ug/L	MW-18	09/20/2016	16.0000		10/16/2014-09/25/2025	22	0.5263
Lead, total	ug/L	MW-18	10/16/2014	12.4000		10/16/2014-09/25/2025	22	0.5162
Lead, total	ug/L	MW-18	09/25/2025	1.0000	< 1.0000	10/16/2014-09/25/2025	22	0.5162
Thallium, total	ug/L	MW-18	09/25/2025	0.5000	< 0.5000	10/16/2014-09/25/2025	23	0.5065
Vanadium, total	ug/L	MW-18	09/25/2025	2.0000	< 2.0000	10/16/2014-09/25/2025	23	0.5065
Barium, total	ug/L	MW-19A	03/20/2024	622.0000		10/16/2014-09/25/2025	23	0.5065
Beryllium, total	ug/L	MW-19A	09/25/2025	0.5000	< 0.5000	10/16/2014-09/25/2025	23	0.5065
Cadmium, total	ug/L	MW-19A	09/11/2023	9.0000		10/16/2014-09/25/2025	23	0.5065
Cadmium, total	ug/L	MW-19A	09/25/2025	0.2000		10/16/2014-09/25/2025	23	0.5065
Chromium, total	ug/L	MW-19A	09/25/2025	1.3000		10/16/2014-09/25/2025	23	0.5065
Cobalt, total	ug/L	MW-19A	03/20/2024	6.9000		10/16/2014-09/25/2025	23	0.5065
Lead, total	ug/L	MW-19A	09/25/2025	1.0000	< 1.0000	10/16/2014-09/25/2025	23	0.5065
Thallium, total	ug/L	MW-19A	09/25/2025	0.5000	< 0.5000	10/16/2014-09/25/2025	23	0.5065
Vanadium, total	ug/L	MW-19A	09/25/2025	2.0000	< 2.0000	10/16/2014-09/25/2025	23	0.5065
Lead, total	ug/L	MW-2	04/02/2019	13.6000		04/04/2015-03/25/2020	6	0.6987
Beryllium, total	ug/L	MW-24	09/25/2025	0.5000	< 0.5000	10/16/2014-09/25/2025	23	0.5065
Chromium, total	ug/L	MW-24	09/25/2025	1.6000		10/16/2014-09/25/2025	22	0.5162
Lead, total	ug/L	MW-24	09/25/2025	1.0000	< 1.0000	10/16/2014-09/25/2025	22	0.5162
Nickel, total	ug/L	MW-24	04/04/2015	25.1000		10/16/2014-09/25/2025	22	0.5263
Nickel, total	ug/L	MW-24	03/21/2018	20.0000	< 20.0000	10/16/2014-09/25/2025	22	0.5263
Thallium, total	ug/L	MW-24	09/25/2025	0.5000	< 0.5000	10/16/2014-09/25/2025	23	0.5065
Vanadium, total	ug/L	MW-24	09/25/2025	2.0000	< 2.0000	10/16/2014-09/25/2025	22	0.5162
Beryllium, total	ug/L	MW-9	09/25/2025	0.5000	< 0.5000	10/16/2014-09/25/2025	23	0.5065
Chromium, total	ug/L	MW-9	09/25/2025	1.4000		10/16/2014-09/25/2025	23	0.5065
Copper, total	ug/L	MW-9	04/04/2015	26.3000		10/16/2014-09/25/2025	24	0.5065
Copper, total	ug/L	MW-9	03/21/2018	18.0000		10/16/2014-09/25/2025	24	0.5065
Lead, total	ug/L	MW-9	09/25/2025	1.0000	< 1.0000	10/16/2014-09/25/2025	23	0.5065
Thallium, total	ug/L	MW-9	09/25/2025	0.5000	< 0.5000	10/16/2014-09/25/2025	23	0.5065
Vanadium, total	ug/L	MW-9	09/25/2025	2.0000	< 2.0000	10/16/2014-09/25/2025	23	0.5065
Zinc, total	ug/L	MW-9	09/07/2018	73.9000		10/16/2014-09/25/2025	23	0.5065

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

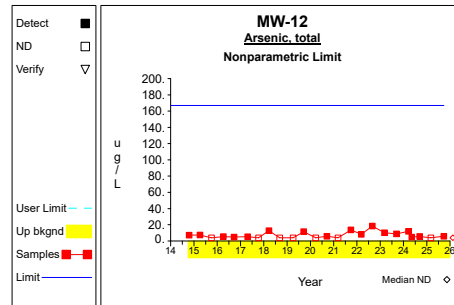
Date Range = Dates of the first and last measurements included in background at each well.

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

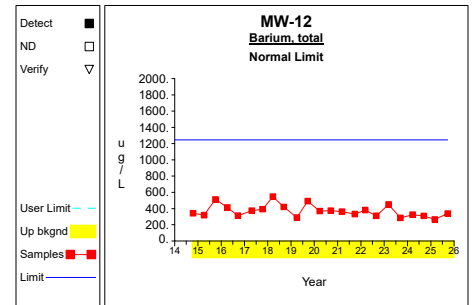
Up vs. Down Prediction Limits



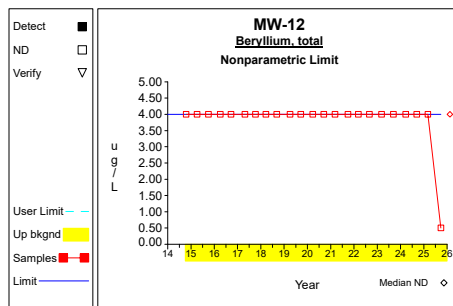
Graph 1



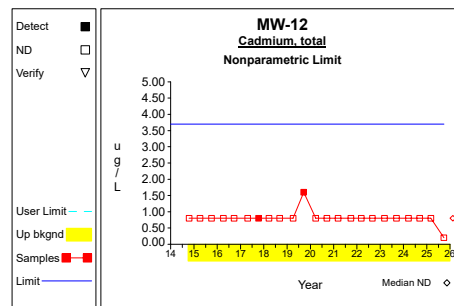
Graph 2



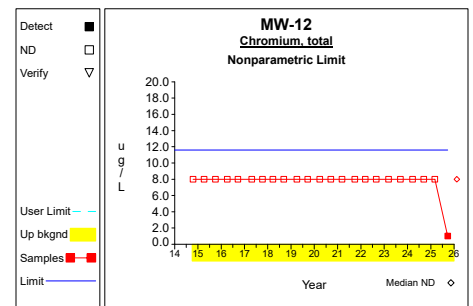
Graph 3



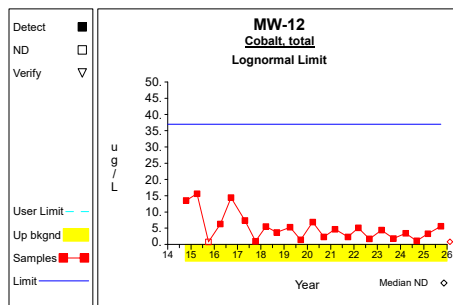
Graph 4



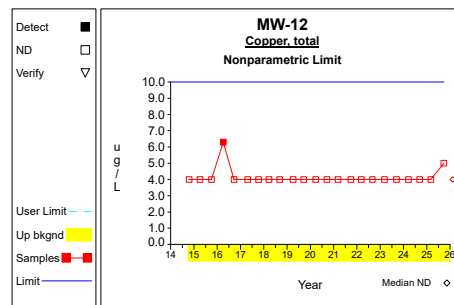
Graph 5



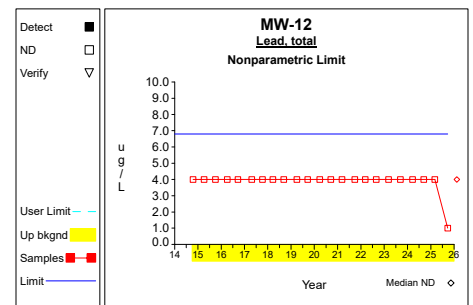
Graph 6



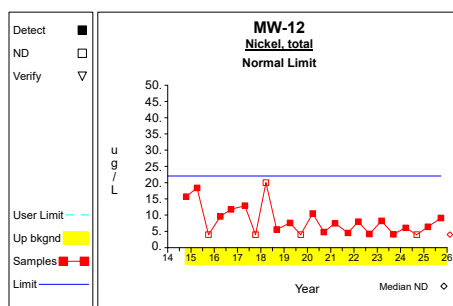
Graph 7



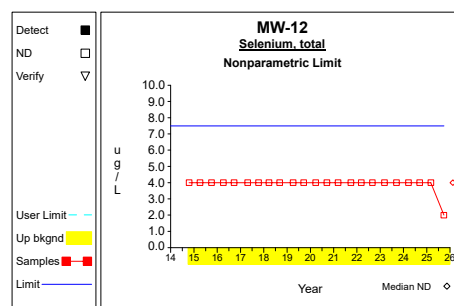
Graph 8



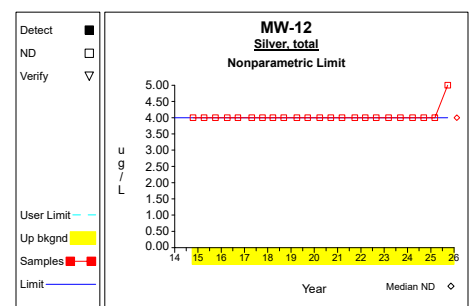
Graph 9



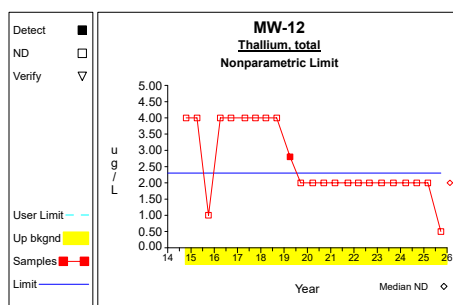
Graph 10



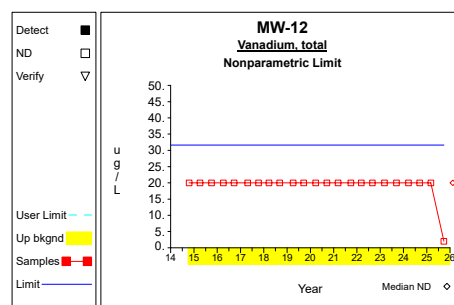
Graph 11



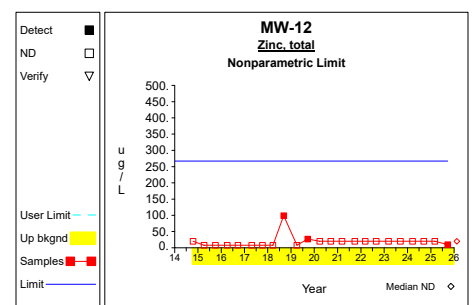
Graph 12



Graph 13

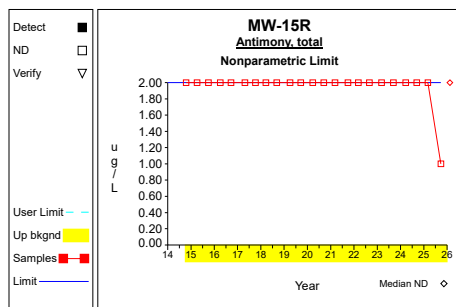


Graph 14

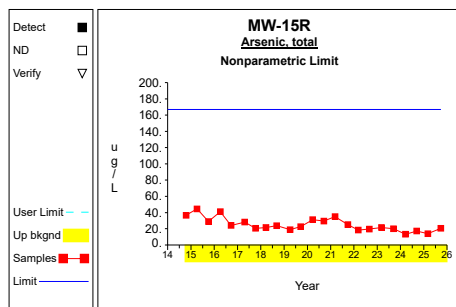


Graph 15

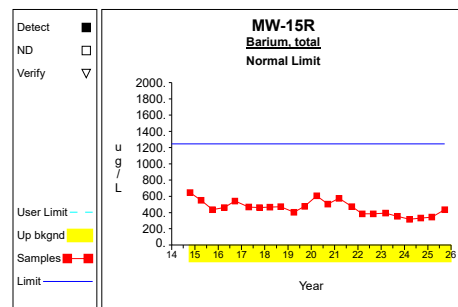
Up vs. Down Prediction Limits



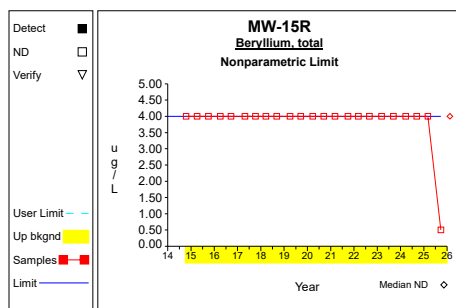
Graph 16



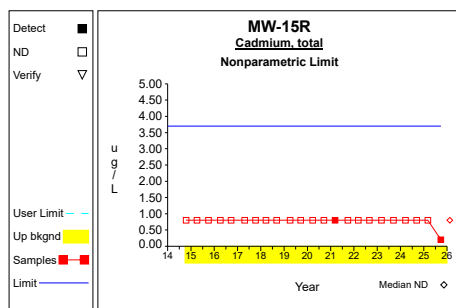
Graph 17



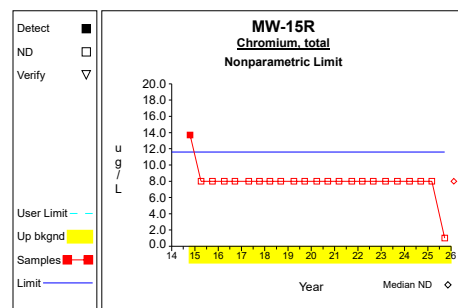
Graph 18



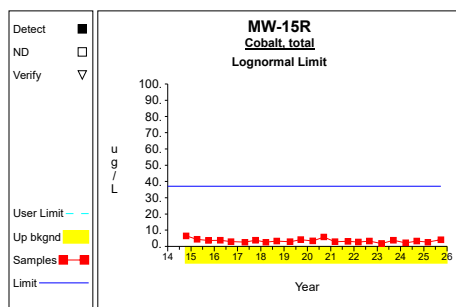
Graph 19



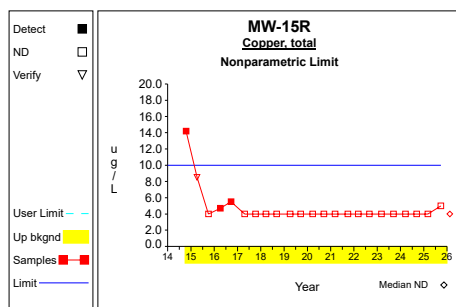
Graph 20



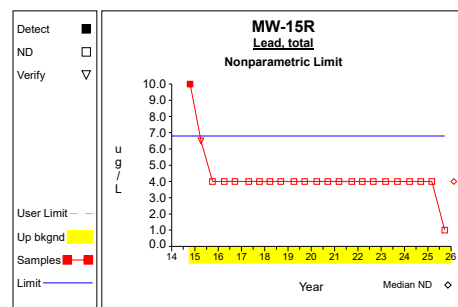
Graph 21



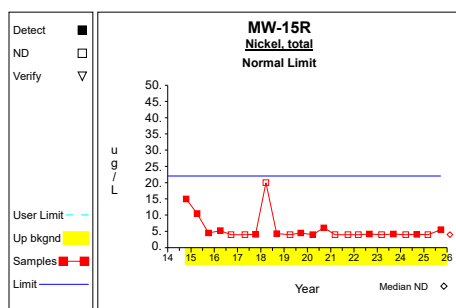
Graph 22



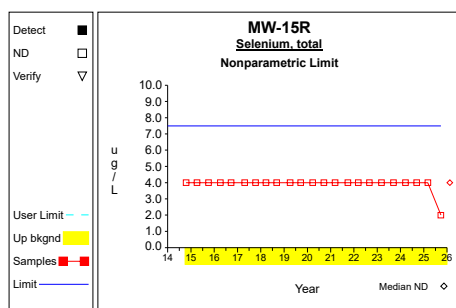
Graph 23



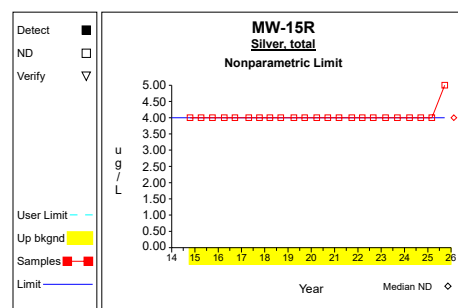
Graph 24



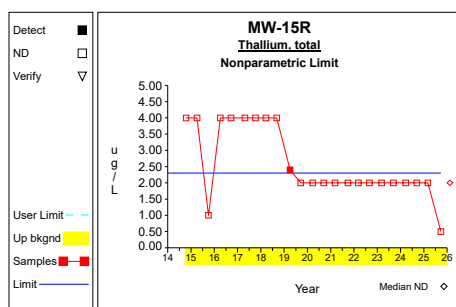
Graph 25



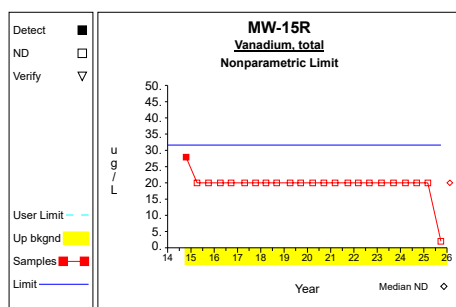
Graph 26



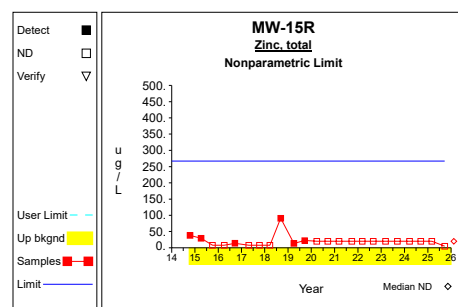
Graph 27



Graph 28

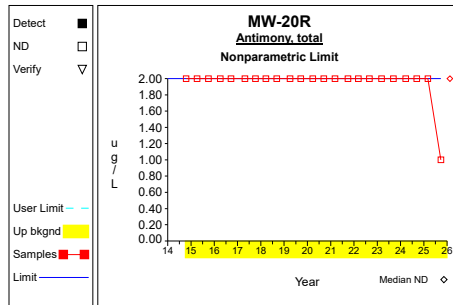


Graph 29

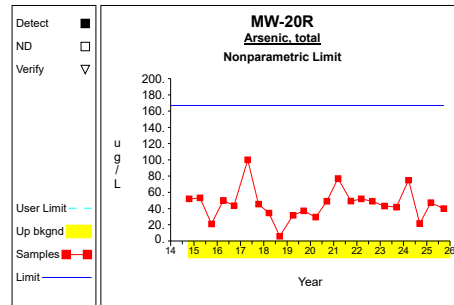


Graph 30

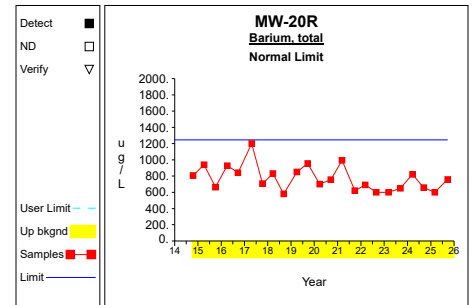
Up vs. Down Prediction Limits



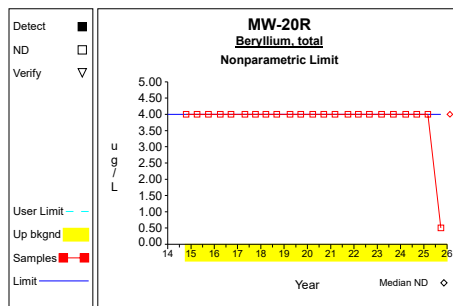
Graph 31



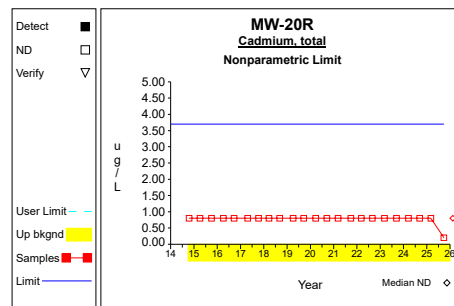
Graph 32



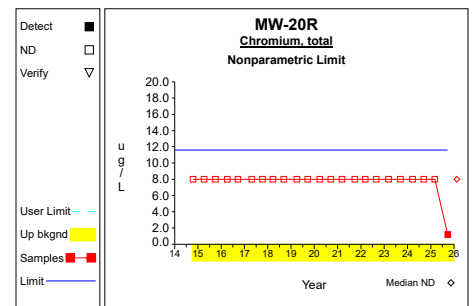
Graph 33



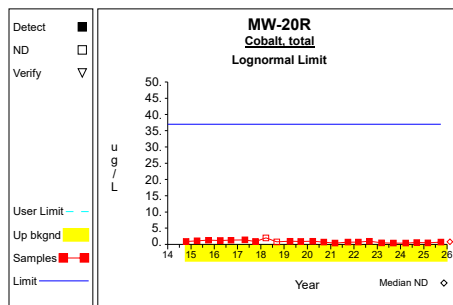
Graph 34



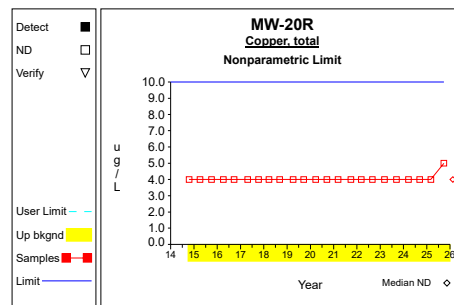
Graph 35



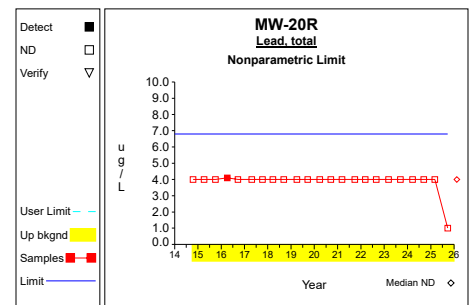
Graph 36



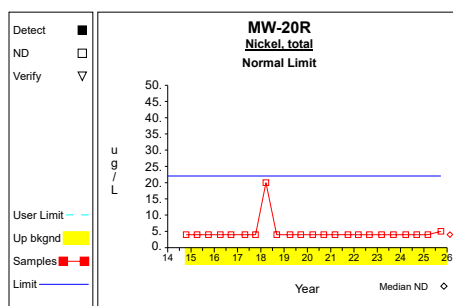
Graph 37



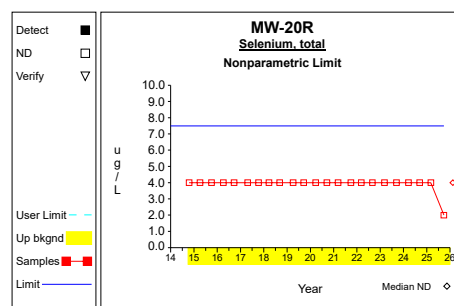
Graph 38



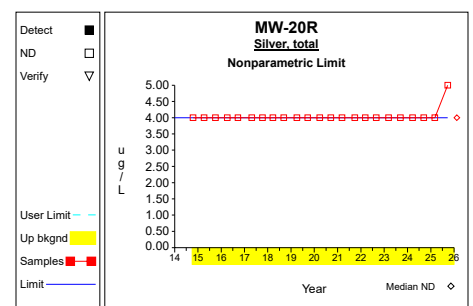
Graph 39



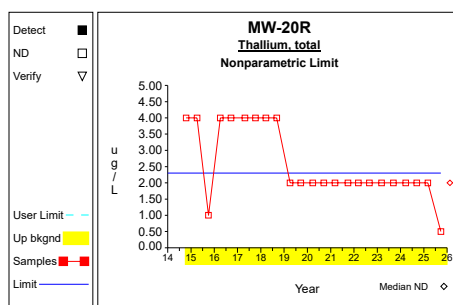
Graph 40



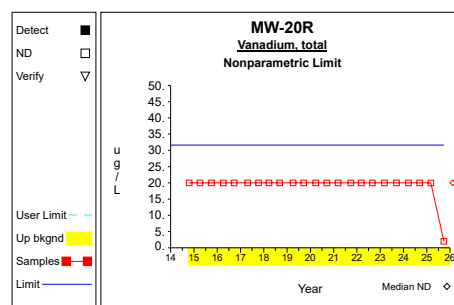
Graph 41



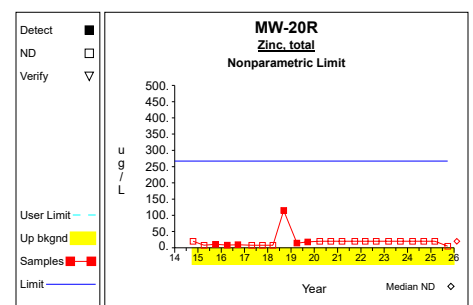
Graph 42



Graph 43

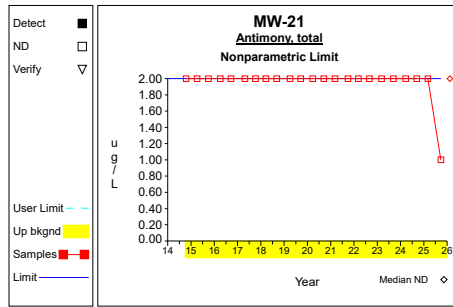


Graph 44

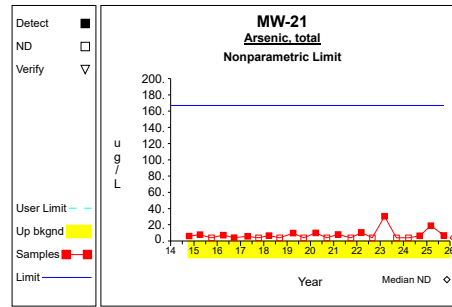


Graph 45

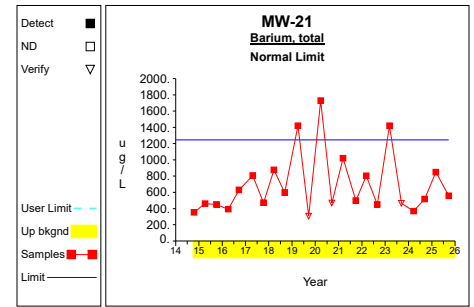
Up vs. Down Prediction Limits



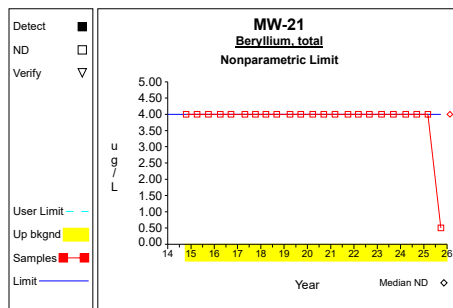
Graph 46



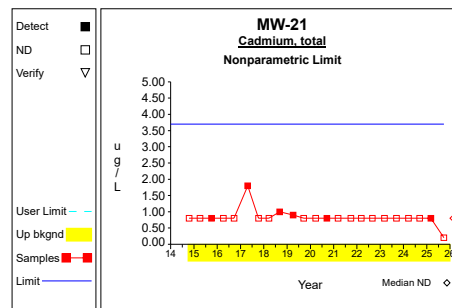
Graph 47



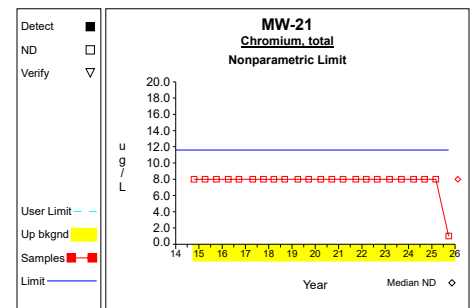
Graph 48



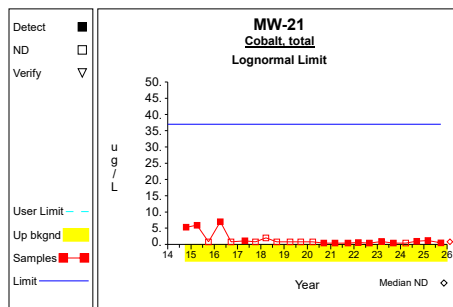
Graph 49



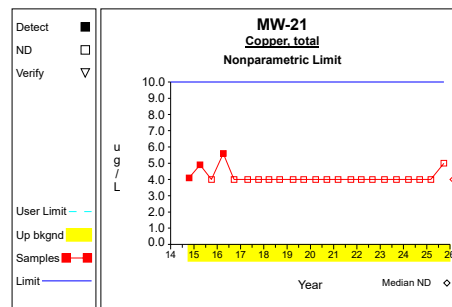
Graph 50



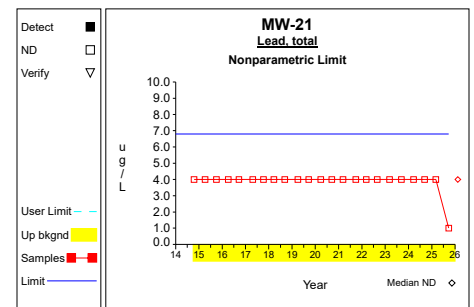
Graph 51



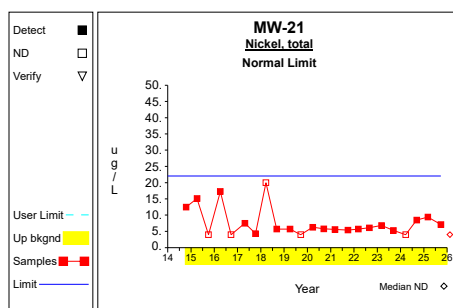
Graph 52



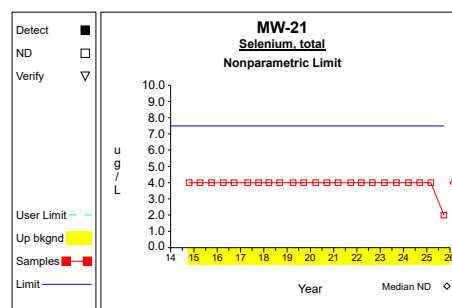
Graph 53



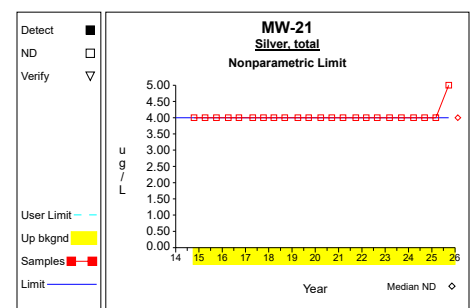
Graph 54



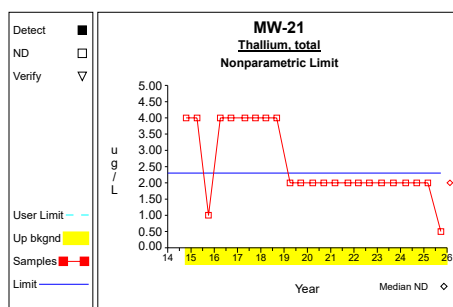
Graph 55



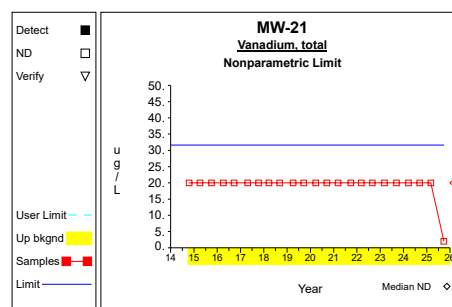
Graph 56



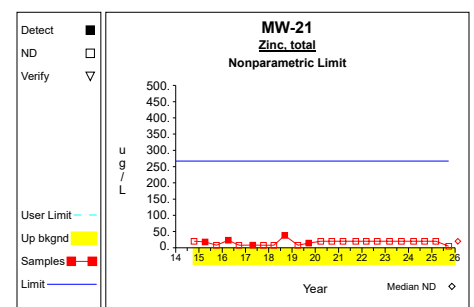
Graph 57



Graph 58

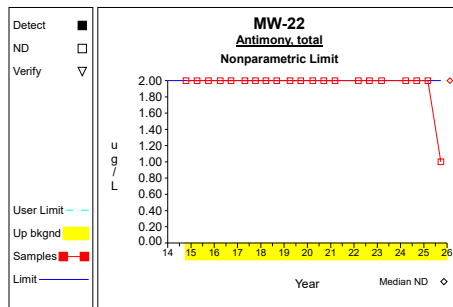


Graph 59

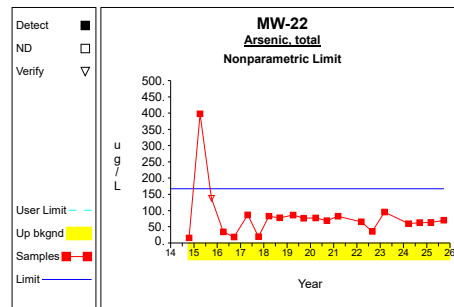


Graph 60

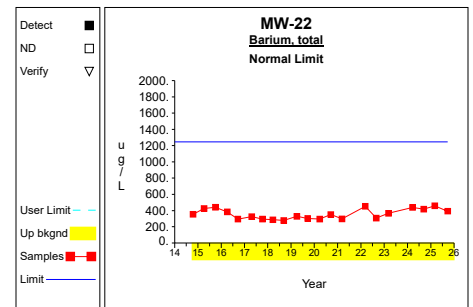
Up vs. Down Prediction Limits



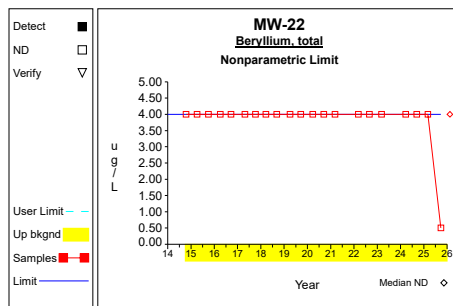
Graph 61



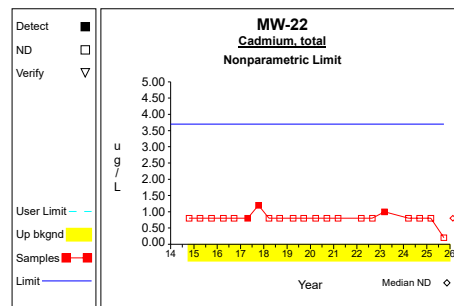
Graph 62



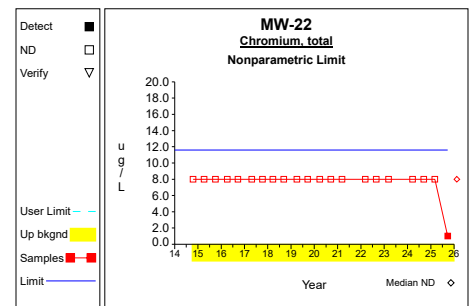
Graph 63



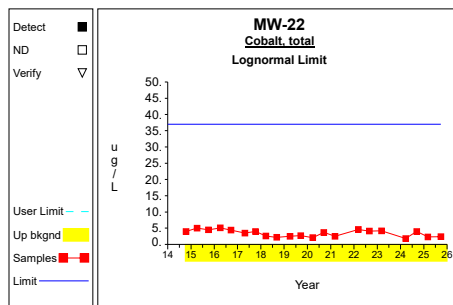
Graph 64



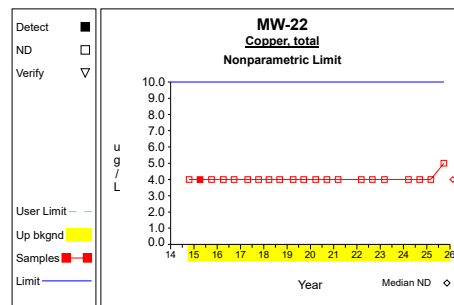
Graph 65



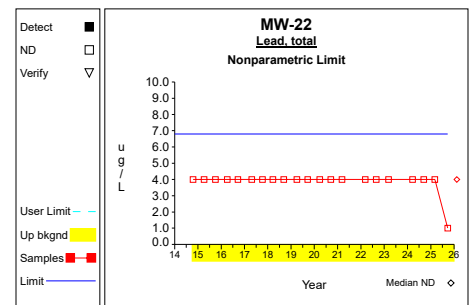
Graph 66



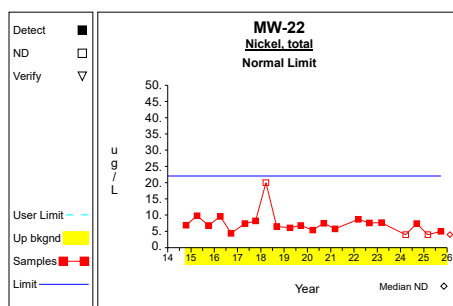
Graph 67



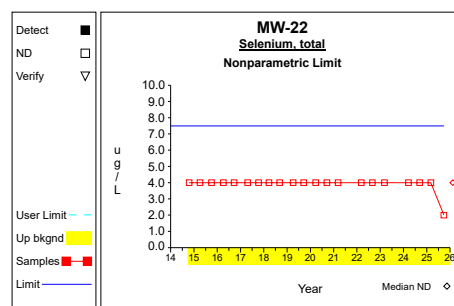
Graph 68



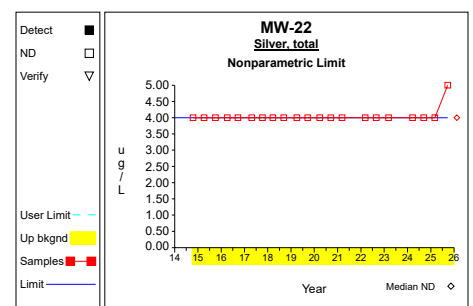
Graph 69



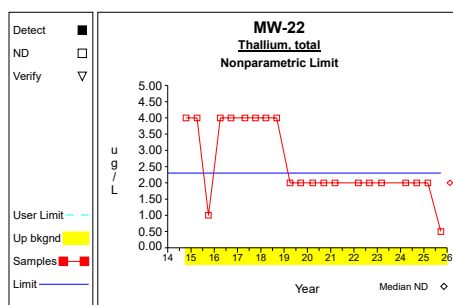
Graph 70



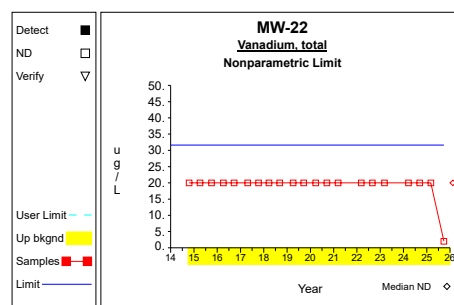
Graph 71



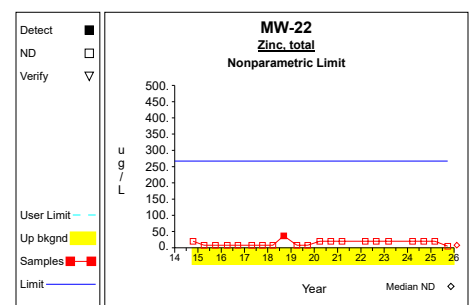
Graph 72



Graph 73

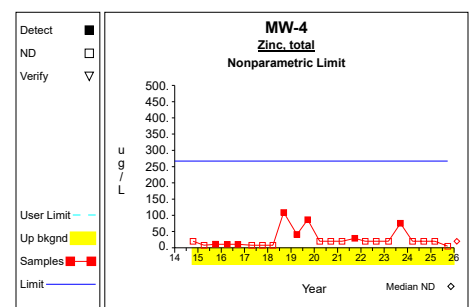
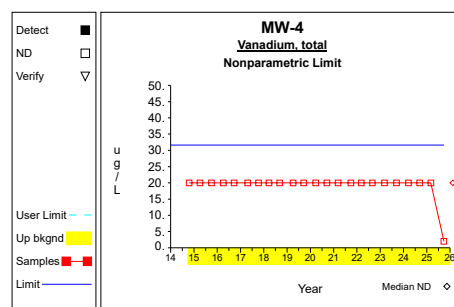
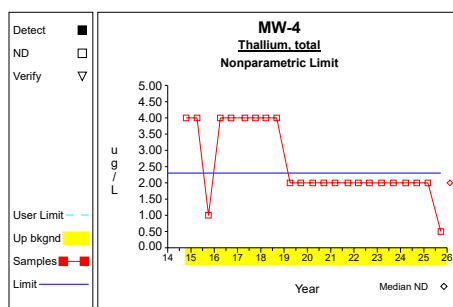
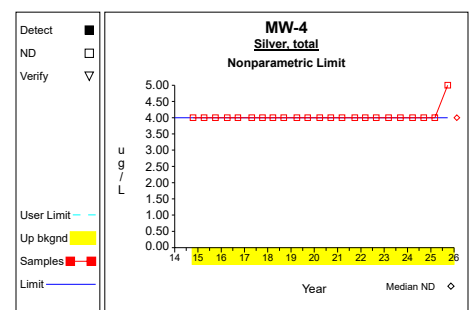
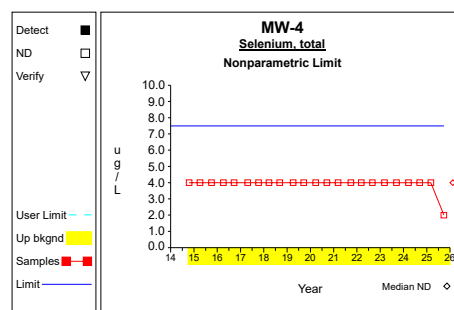
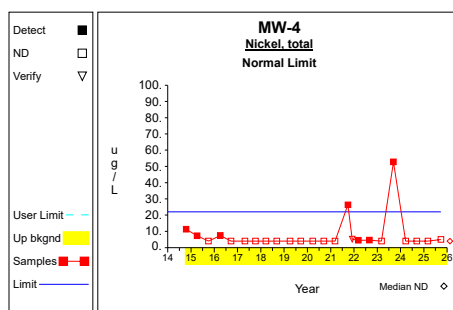
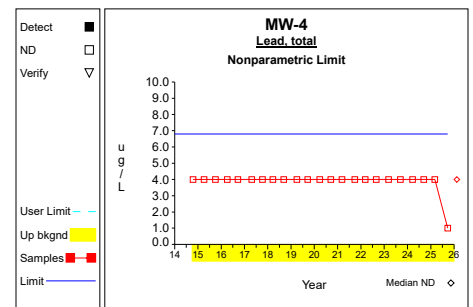
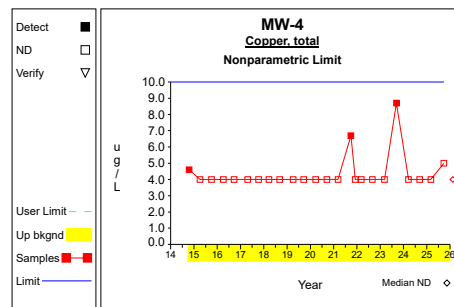
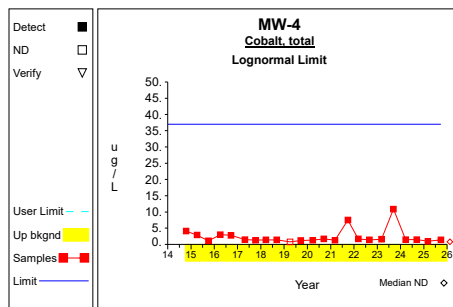
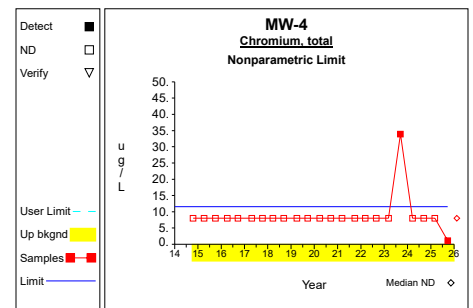
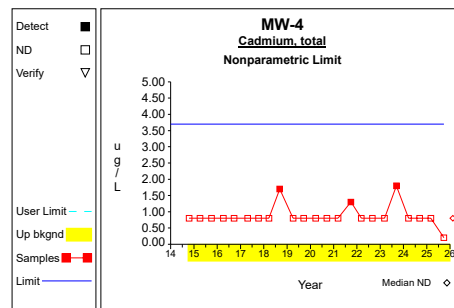
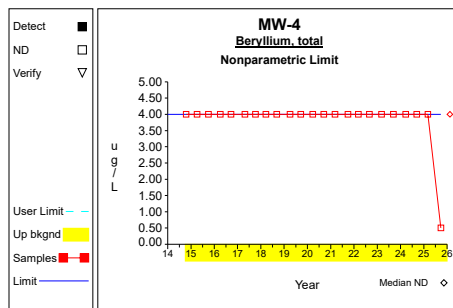
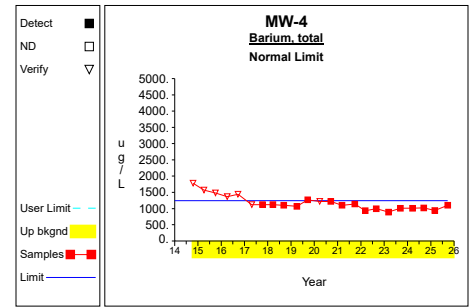
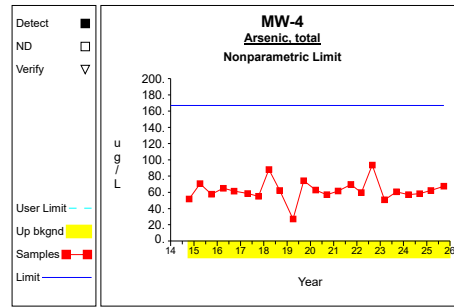
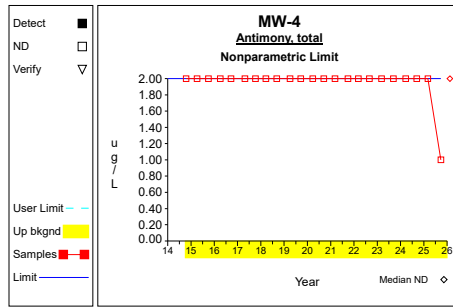


Graph 74

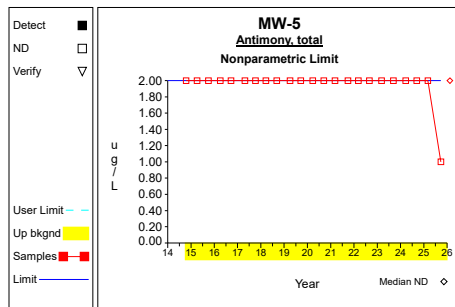


Graph 75

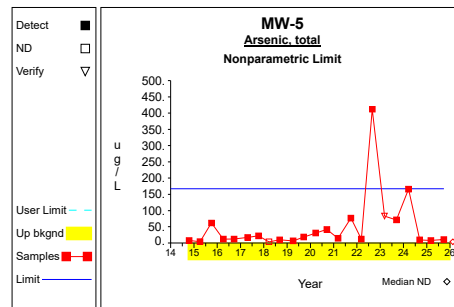
Up vs. Down Prediction Limits



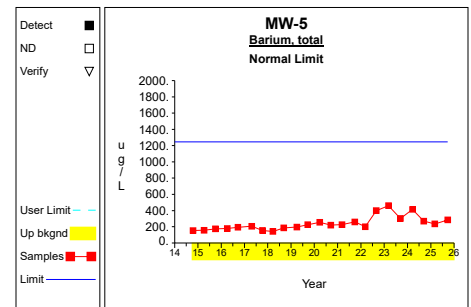
Up vs. Down Prediction Limits



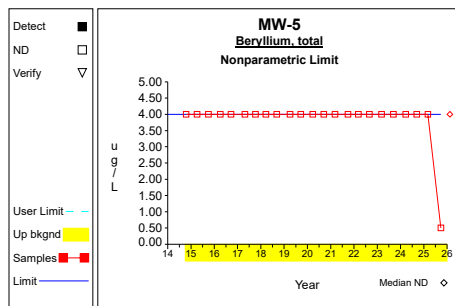
Graph 91



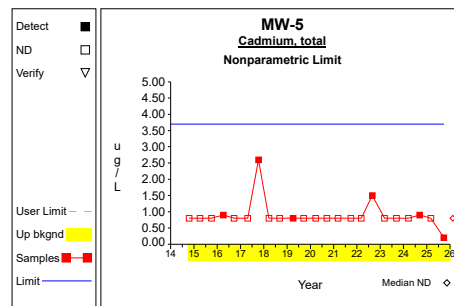
Graph 92



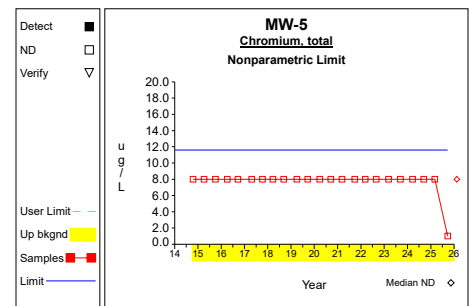
Graph 93



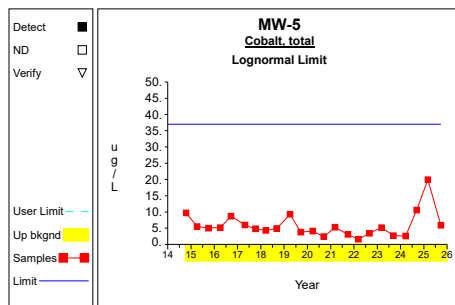
Graph 94



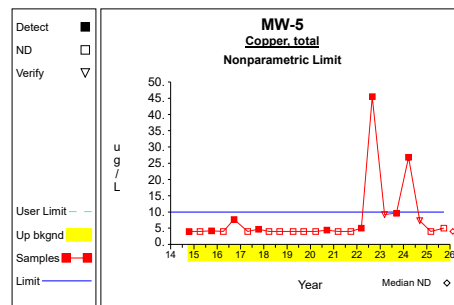
Graph 95



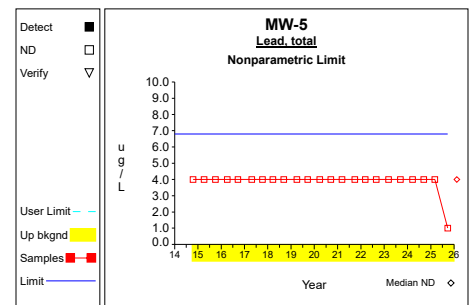
Graph 96



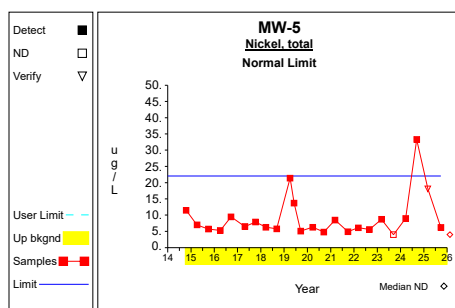
Graph 97



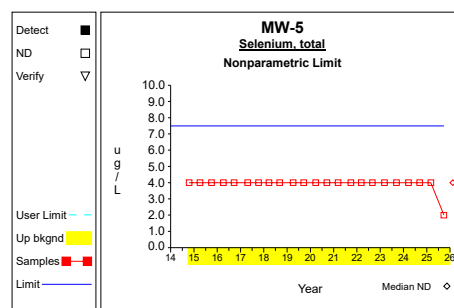
Graph 98



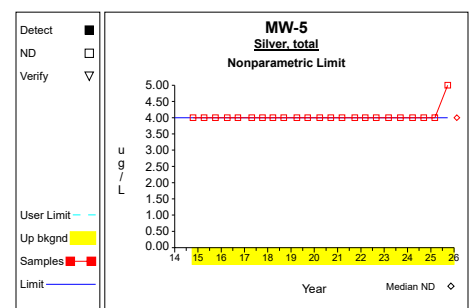
Graph 99



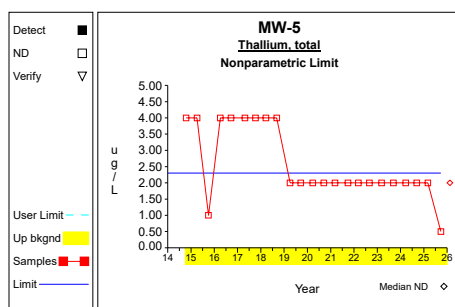
Graph 100



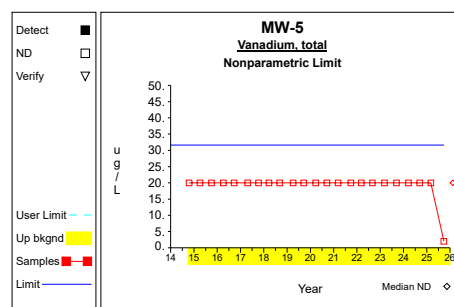
Graph 101



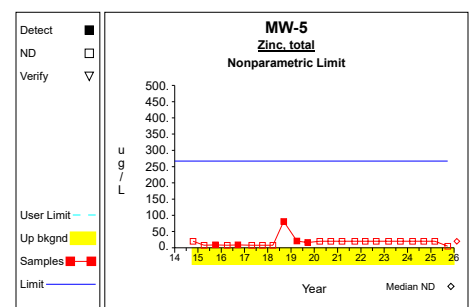
Graph 102



Graph 103

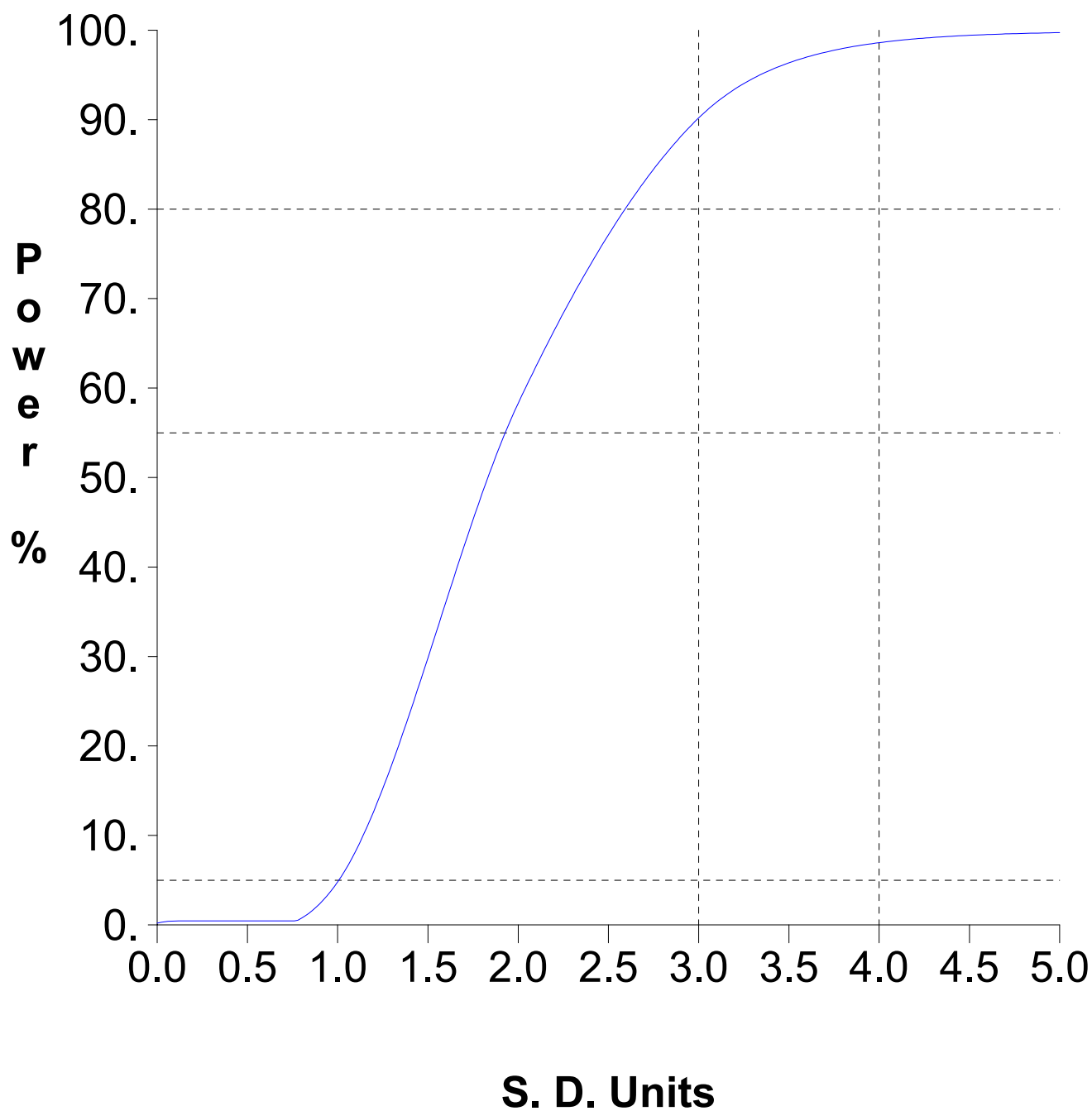


Graph 104



Graph 105

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



Attachment C

Assessment Statistics for Verified Trace Metal Exceedances

Table 1

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

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Arsenic, total	ug/L	MW-12	4	4.650	1.814	1.176	2.516	6.784	10.000		
Barium, total	ug/L	MW-12	4	310.000	31.016	1.176	273.516	346.484	2000.000		
Cadmium, total	ug/L	MW-12	4	0.400	0.000	1.176	0.400	0.400	5.000		
Cobalt, total	ug/L	MW-12	4	3.350	1.838	1.176	1.188	5.512	2.100		
Copper, total	ug/L	MW-12	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-12	4	5.900	2.929	1.176	2.454	9.346	100.000		
Arsenic, total	ug/L	MW-15R	4	16.300	3.356	1.176	12.353	20.247	10.000	dec	**
Barium, total	ug/L	MW-15R	4	357.000	52.997	1.176	294.660	419.340	2000.000	dec	
Cadmium, total	ug/L	MW-15R	4	0.350	0.100	1.176	0.232	0.468	5.000		
Cobalt, total	ug/L	MW-15R	4	3.050	0.835	1.176	2.068	4.032	2.100		
Copper, total	ug/L	MW-15R	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-15R	4	3.400	1.715	1.176	1.383	5.417	100.000		
Arsenic, total	ug/L	MW-17	4	2.000	0.000	1.176	2.000	2.000	10.000		
Barium, total	ug/L	MW-17	4	157.750	12.945	1.176	142.522	172.978	2000.000		
Cadmium, total	ug/L	MW-17	4	0.350	0.100	1.176	0.232	0.468	5.000		
Cobalt, total	ug/L	MW-17	4	2.700	1.738	1.176	0.656	4.744	2.100		
Copper, total	ug/L	MW-17	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-17	4	7.775	3.457	1.176	3.709	11.841	100.000		
Arsenic, total	ug/L	MW-18	4	16.625	2.344	1.176	13.867	19.383	10.000	dec	**
Barium, total	ug/L	MW-18	4	654.000	45.262	1.176	600.759	707.241	2000.000	dec	
Cadmium, total	ug/L	MW-18	4	0.350	0.100	1.176	0.232	0.468	5.000		**
Cobalt, total	ug/L	MW-18	4	8.100	2.813	1.176	4.791	11.409	2.100		
Copper, total	ug/L	MW-18	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-18	4	15.025	5.039	1.176	9.098	20.952	100.000		
Arsenic, total	ug/L	MW-19A	4	2.500	1.000	1.176	1.324	3.676	10.000		
Barium, total	ug/L	MW-19A	4	184.500	291.677	1.176	0.000	527.596	2000.000		
Cadmium, total	ug/L	MW-19A	4	0.500	0.346	1.176	0.093	0.907	5.000		
Cobalt, total	ug/L	MW-19A	4	2.200	3.144	1.176	0.000	5.899	2.100		
Copper, total	ug/L	MW-19A	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-19A	4	8.375	1.201	1.176	6.962	9.788	100.000		
Arsenic, total	ug/L	MW-20R	4	45.900	22.199	1.176	19.787	72.013	10.000		**
Barium, total	ug/L	MW-20R	4	709.500	99.013	1.176	593.032	825.968	2000.000		
Cadmium, total	ug/L	MW-20R	4	0.400	0.000	1.176	0.400	0.400	5.000		
Cobalt, total	ug/L	MW-20R	4	0.550	0.129	1.176	0.398	0.702	2.100		
Copper, total	ug/L	MW-20R	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-20R	4	2.000	0.000	1.176	2.000	2.000	100.000		
Arsenic, total	ug/L	MW-21	4	8.625	7.273	1.176	0.070	17.180	10.000		
Barium, total	ug/L	MW-21	4	573.250	201.442	1.176	336.296	810.204	2000.000		
Cadmium, total	ug/L	MW-21	4	0.500	0.200	1.176	0.265	0.735	5.000		
Cobalt, total	ug/L	MW-21	4	0.775	0.386	1.176	0.321	1.229	2.100		
Copper, total	ug/L	MW-21	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-21	4	6.750	3.305	1.176	2.862	10.638	100.000		
Arsenic, total	ug/L	MW-22	4	64.175	4.459	1.176	58.930	69.420	10.000		**
Barium, total	ug/L	MW-22	4	426.750	28.348	1.176	393.405	460.095	2000.000		
Cadmium, total	ug/L	MW-22	4	0.400	0.000	1.176	0.400	0.400	5.000		
Cobalt, total	ug/L	MW-22	4	2.625	0.954	1.176	1.503	3.747	2.100		
Copper, total	ug/L	MW-22	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-22	4	4.100	2.615	1.176	1.024	7.176	100.000		
Arsenic, total	ug/L	MW-24	4	14.250	6.315	1.176	6.821	21.679	10.000		
Barium, total	ug/L	MW-24	4	461.000	124.611	1.176	314.421	607.579	2000.000	dec	
Cadmium, total	ug/L	MW-24	4	1.350	1.584	1.176	0.000	3.214	5.000	dec	
Cobalt, total	ug/L	MW-24	4	0.350	0.191	1.176	0.125	0.575	2.100		
Copper, total	ug/L	MW-24	4	2.725	1.450	1.176	1.019	4.431	1300.000		
Nickel, total	ug/L	MW-24	4	2.000	0.000	1.176	2.000	2.000	100.000		
Arsenic, total	ug/L	MW-25	4	9.925	11.750	1.176	0.000	23.746	10.000		
Barium, total	ug/L	MW-25	4	223.200	196.974	1.176	0.000	454.898	2000.000		
Cadmium, total	ug/L	MW-25	1								*
Cobalt, total	ug/L	MW-25	1								*
Copper, total	ug/L	MW-25	1								*
Nickel, total	ug/L	MW-25	1								*
Arsenic, total	ug/L	MW-26	4	12.600	7.944	1.176	3.256	21.944	10.000		
Barium, total	ug/L	MW-26	4	347.025	181.004	1.176	134.112	559.938	2000.000		
Cadmium, total	ug/L	MW-26	1								*
Cobalt, total	ug/L	MW-26	1								*
Copper, total	ug/L	MW-26	1								*
Nickel, total	ug/L	MW-26	1								*
Arsenic, total	ug/L	MW-4	4	61.325	4.636	1.176	55.872	66.778	10.000		**
Barium, total	ug/L	MW-4	4	1017.500	65.511	1.176	940.440	1094.560	2000.000	dec	
Cadmium, total	ug/L	MW-4	4	0.400	0.000	1.176	0.400	0.400	5.000		
Cobalt, total	ug/L	MW-4	4	1.350	0.238	1.176	1.070	1.630	2.100		
Copper, total	ug/L	MW-4	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-4	4	2.000	0.000	1.176	2.000	2.000	100.000		

* - Insufficient Data

** - Significant Exceedance

LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

Table 1

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

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Arsenic, total	ug/L	MW-5	4	48.625	78.258	1.176	0.000	140.680	10.000	inc	
Barium, total	ug/L	MW-5	4	301.250	78.530	1.176	208.876	393.624	2000.000		
Cadmium, total	ug/L	MW-5	4	0.475	0.299	1.176	0.124	0.826	5.000		
Cobalt, total	ug/L	MW-5	4	9.750	7.521	1.176	0.903	18.597	2.100		
Copper, total	ug/L	MW-5	4	9.525	11.785	1.176	0.000	23.387	1300.000		
Nickel, total	ug/L	MW-5	4	16.650	12.207	1.176	2.291	31.009	100.000		
Arsenic, total	ug/L	MW-9	4	4.075	2.165	1.176	1.528	6.622	10.000	dec	**
Barium, total	ug/L	MW-9	4	301.250	17.289	1.176	280.913	321.587	2000.000		
Cadmium, total	ug/L	MW-9	4	0.475	0.150	1.176	0.299	0.651	5.000		
Cobalt, total	ug/L	MW-9	4	4.375	0.320	1.176	3.998	4.752	2.100		
Copper, total	ug/L	MW-9	4	2.000	0.000	1.176	2.000	2.000	1300.000		
Nickel, total	ug/L	MW-9	4	9.175	1.008	1.176	7.989	10.361	100.000	dec	

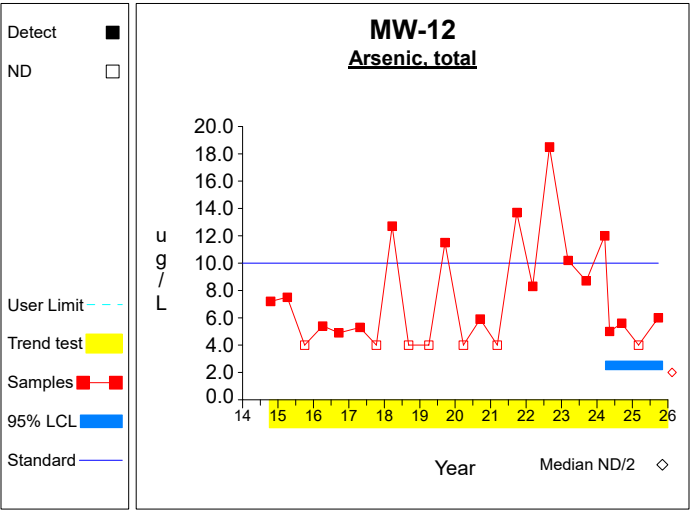
* - Insufficient Data

** - Significant Exceedance

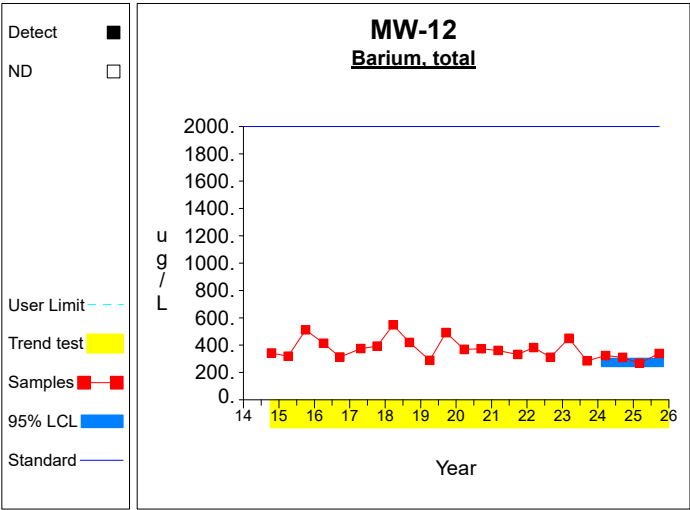
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

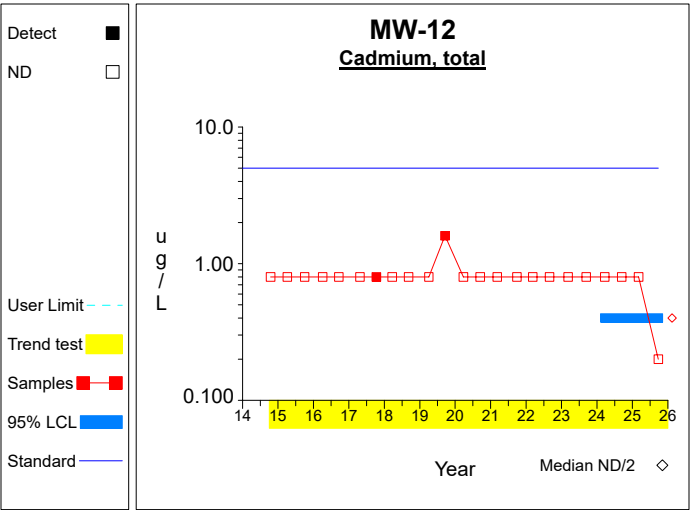
Confidence Limits (Assessment)



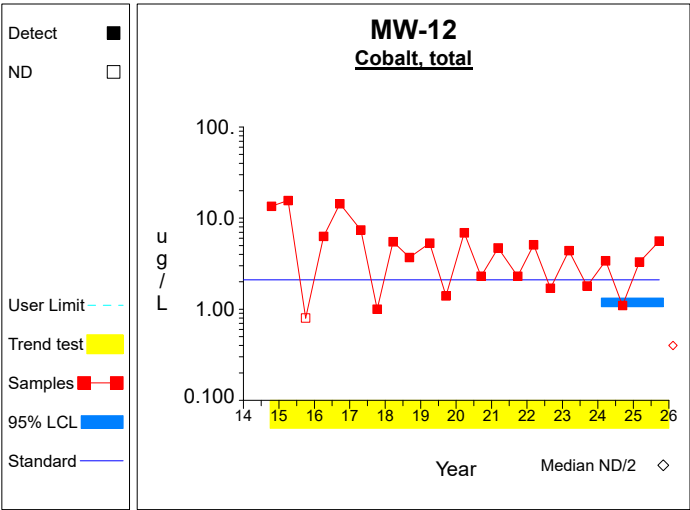
Graph 1



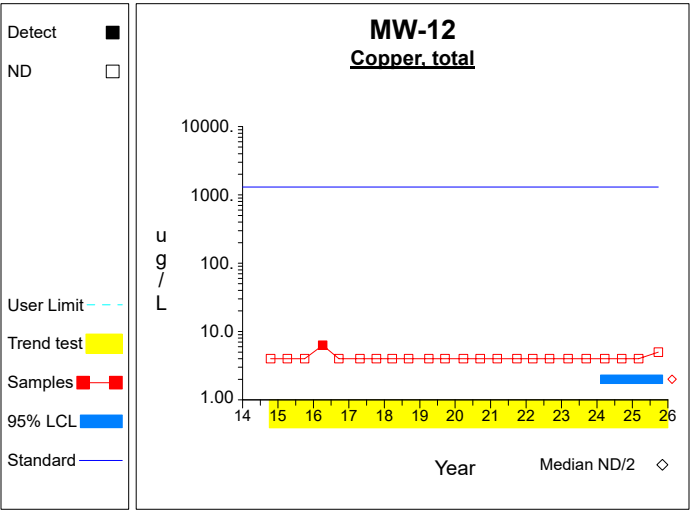
Graph 2



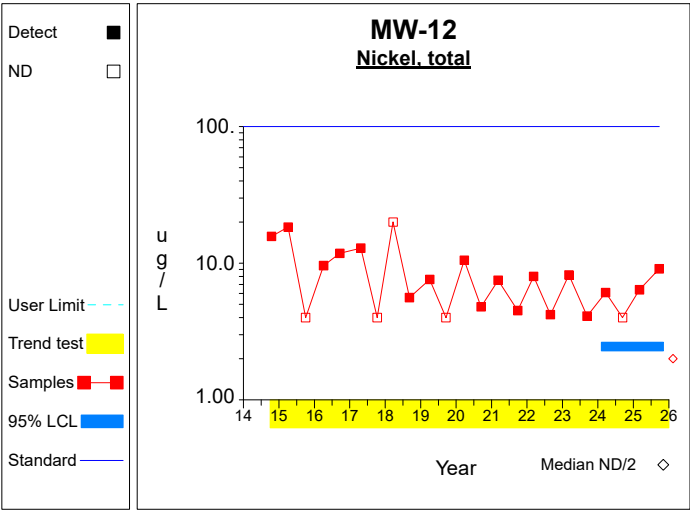
Graph 3



Graph 4

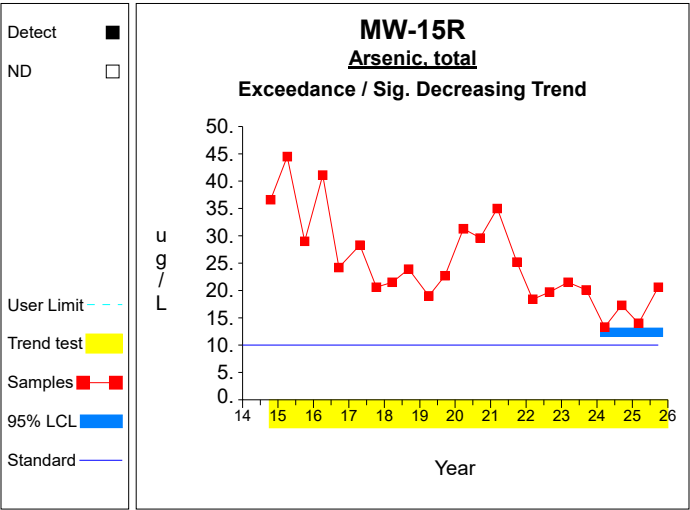


Graph 5

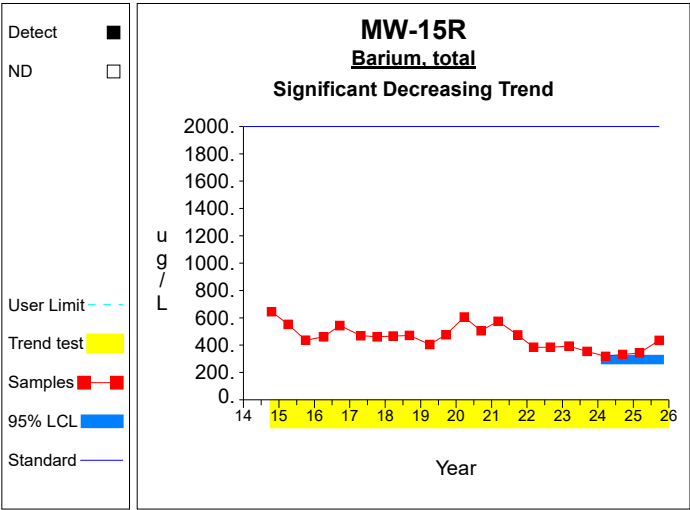


Graph 6

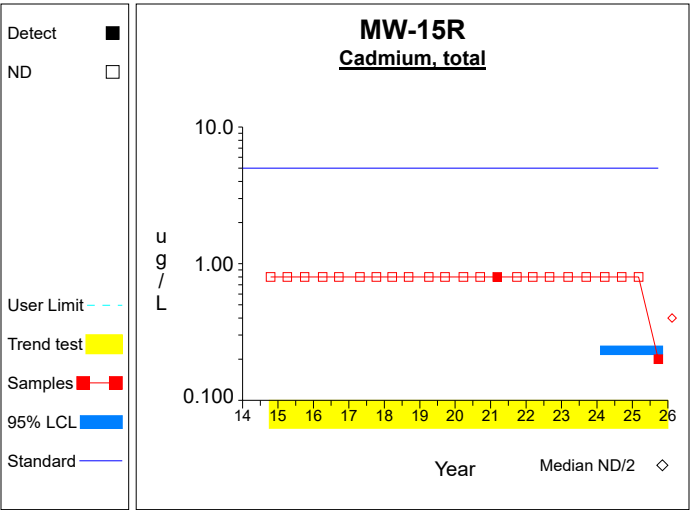
Confidence Limits (Assessment)



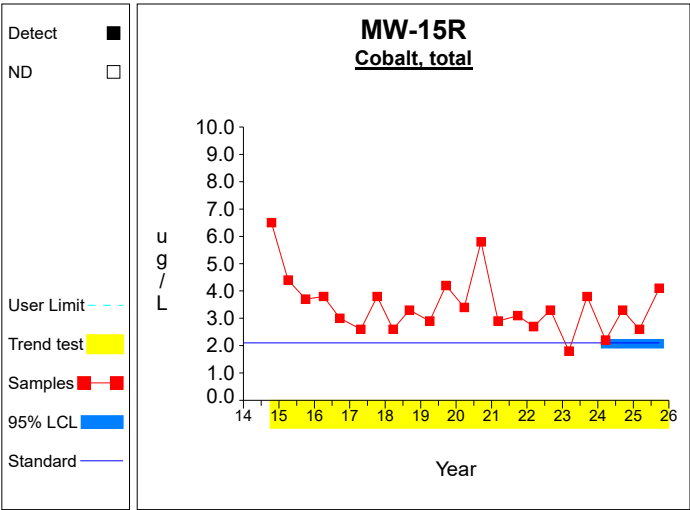
Graph 7



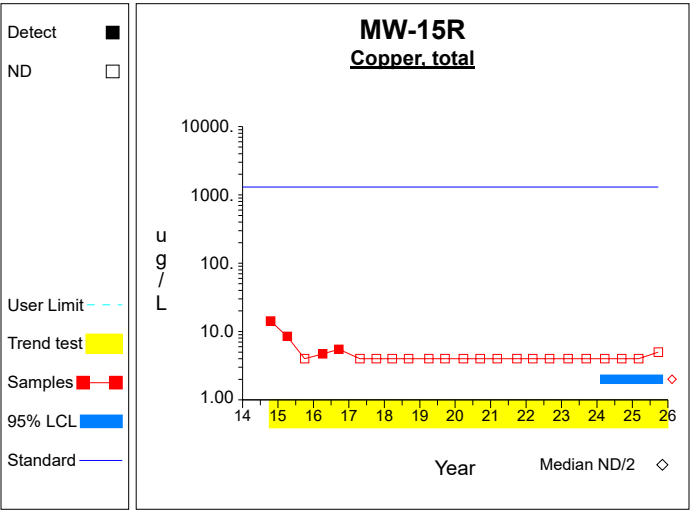
Graph 8



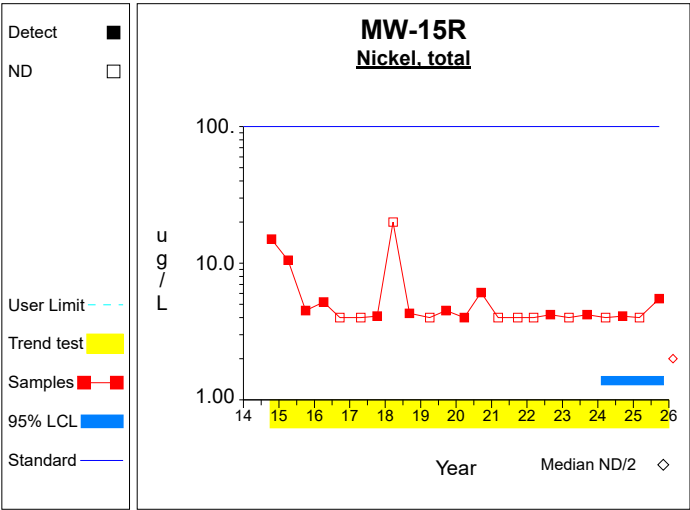
Graph 9



Graph 10

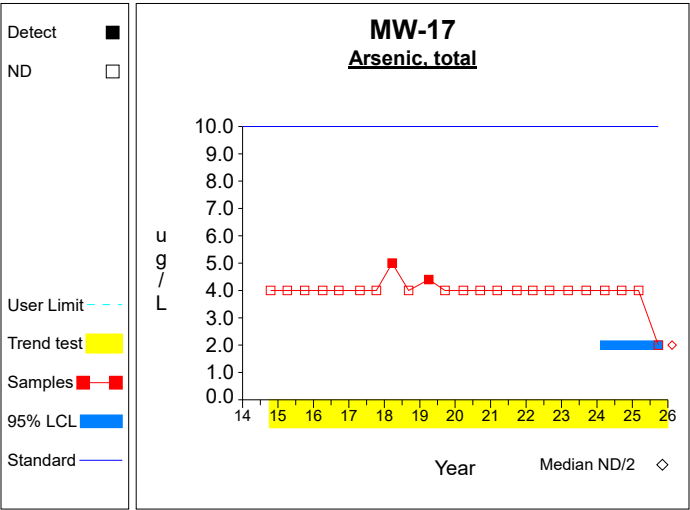


Graph 11

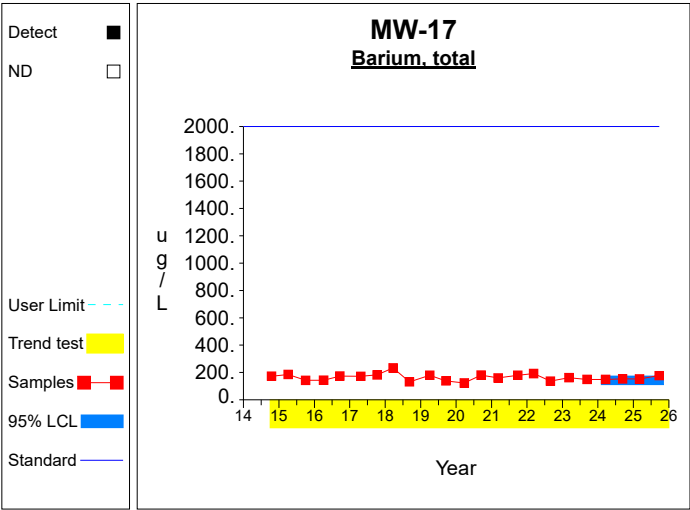


Graph 12

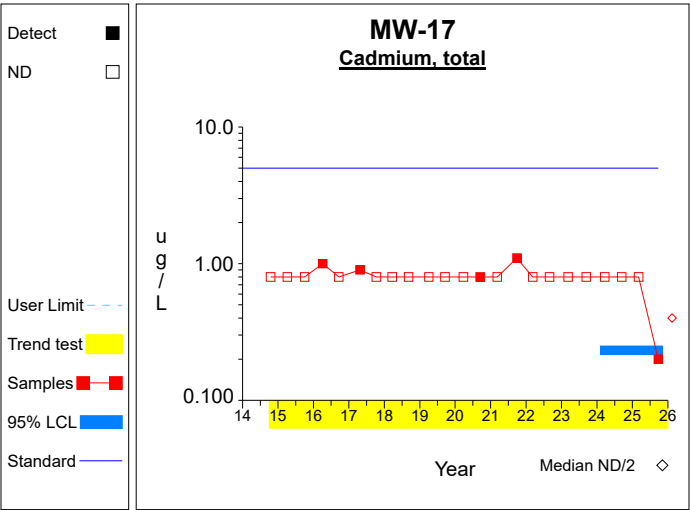
Confidence Limits (Assessment)



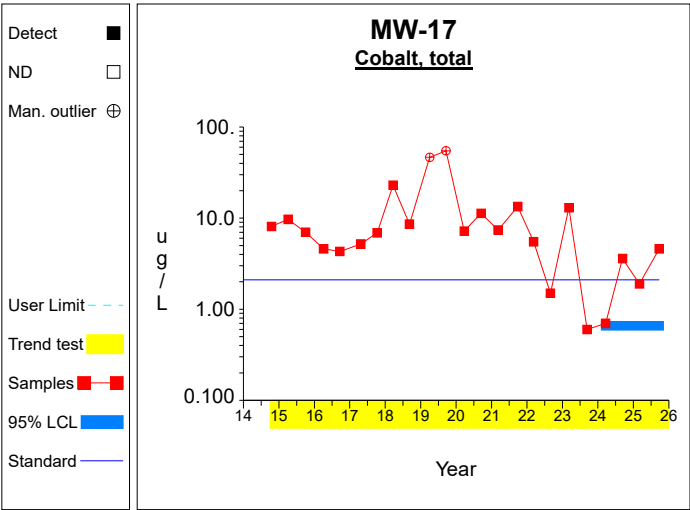
Graph 13



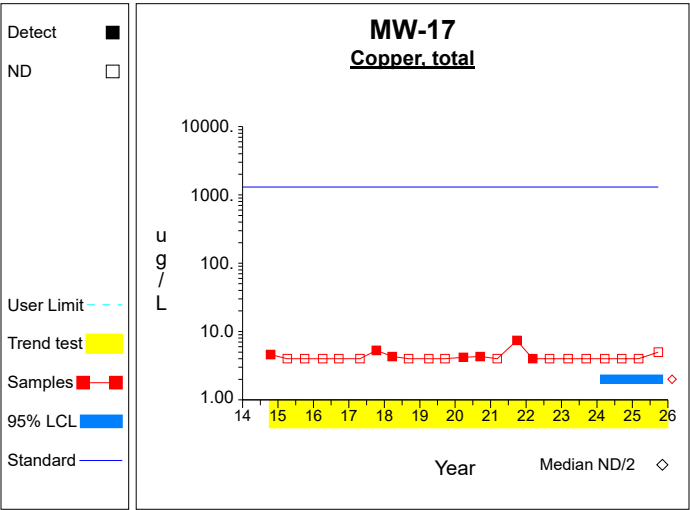
Graph 14



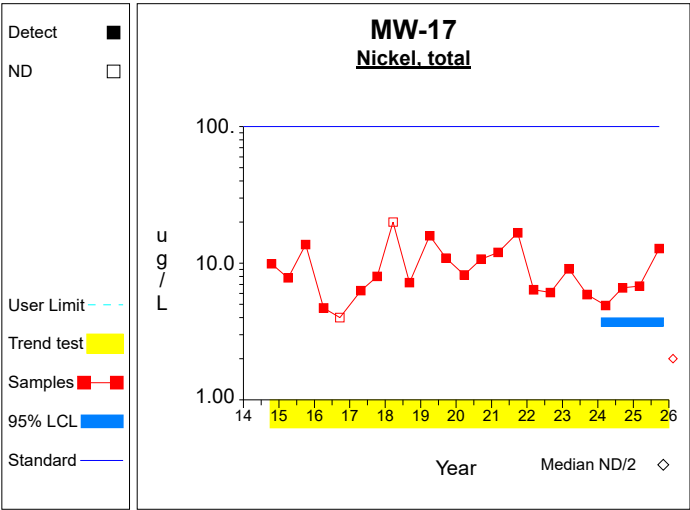
Graph 15



Graph 16

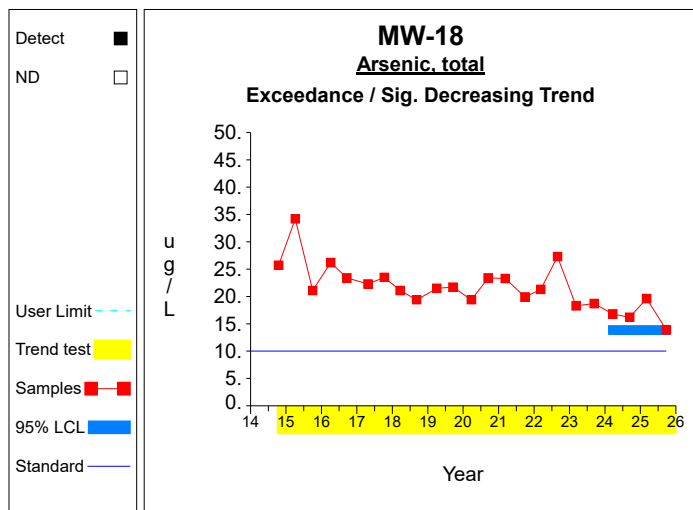


Graph 17

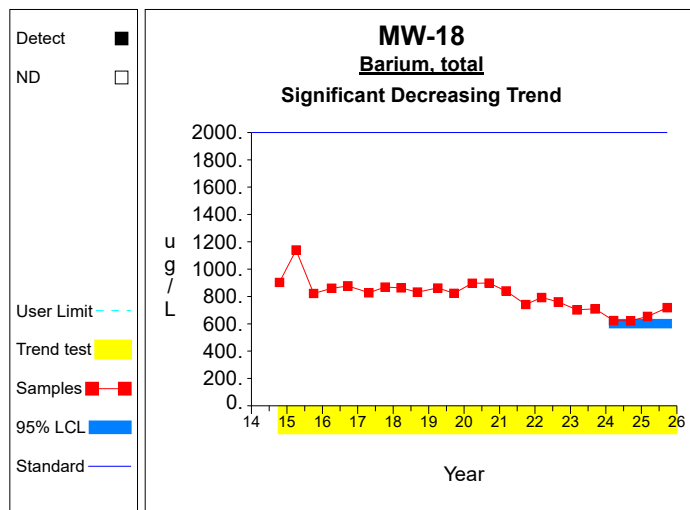


Graph 18

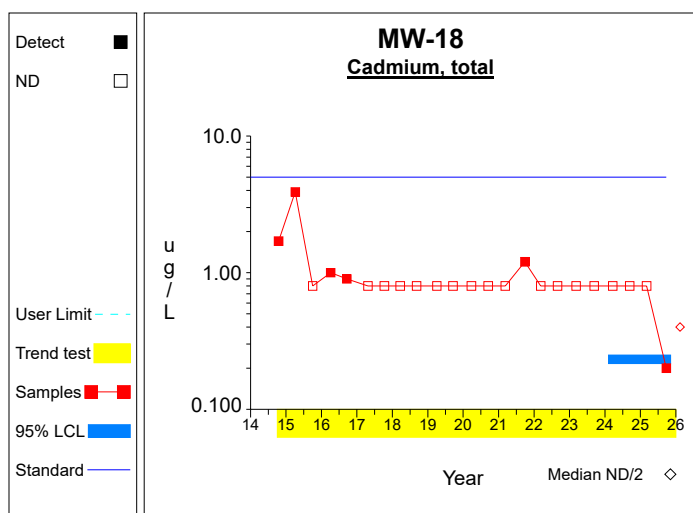
Confidence Limits (Assessment)



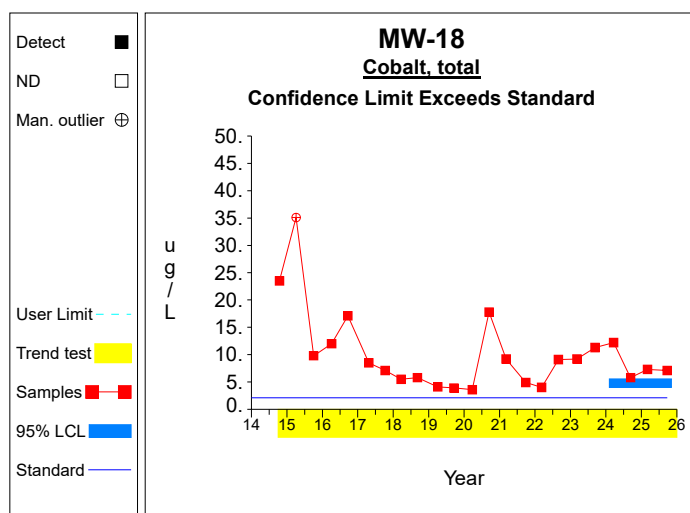
Graph 19



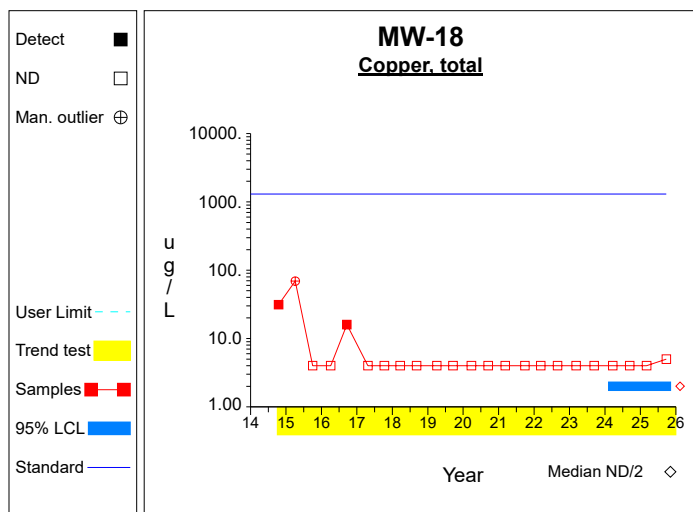
Graph 20



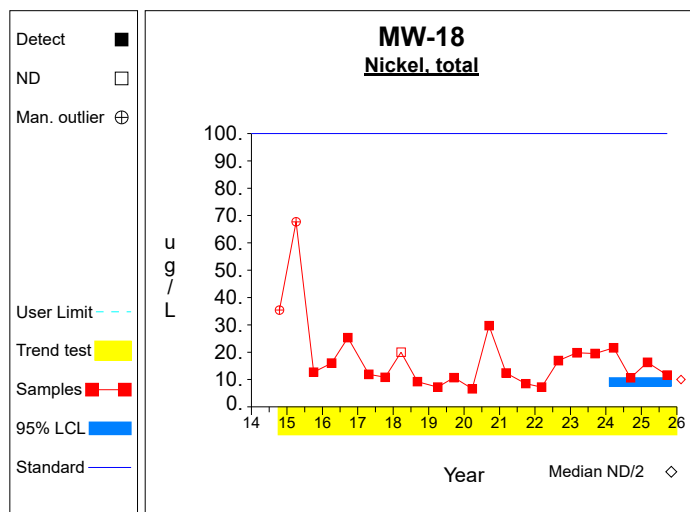
Graph 21



Graph 22

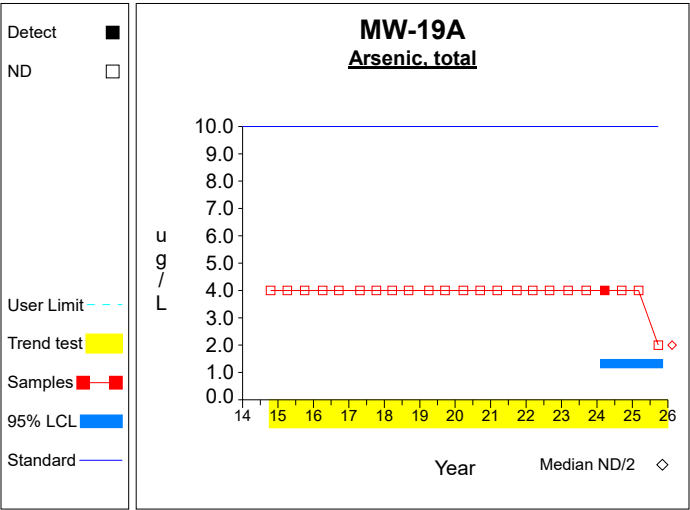


Graph 23

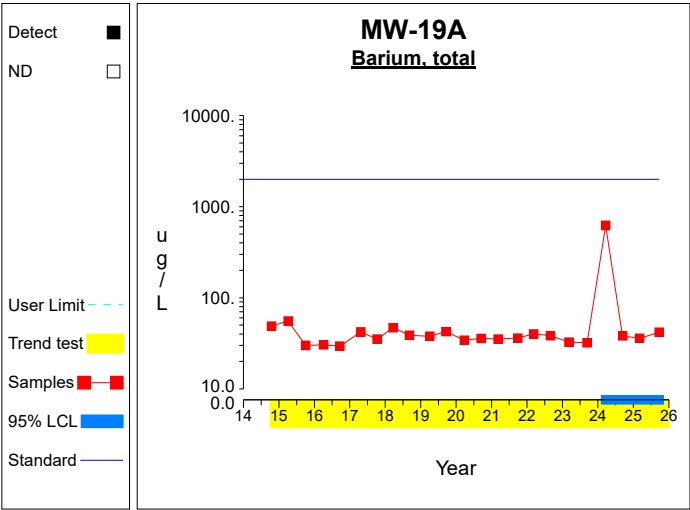


Graph 24

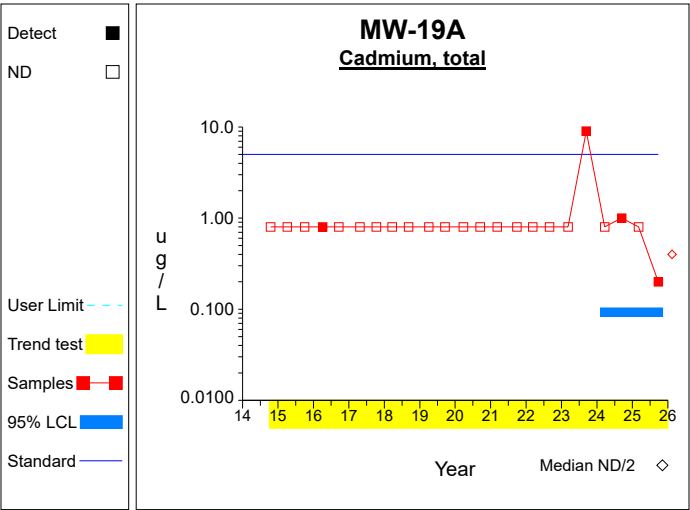
Confidence Limits (Assessment)



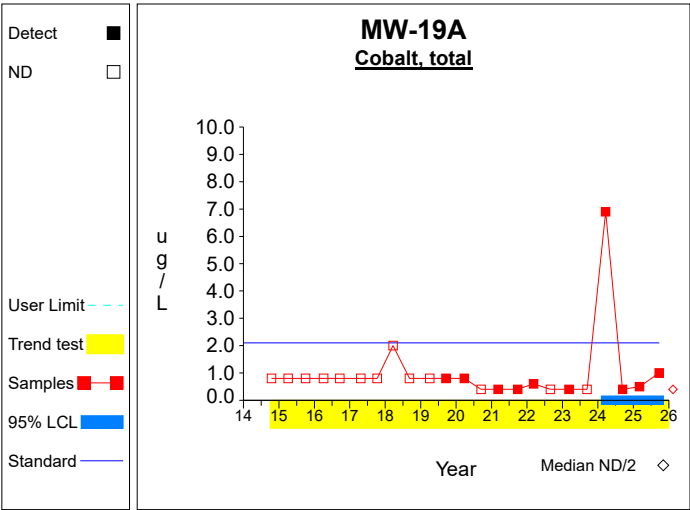
Graph 25



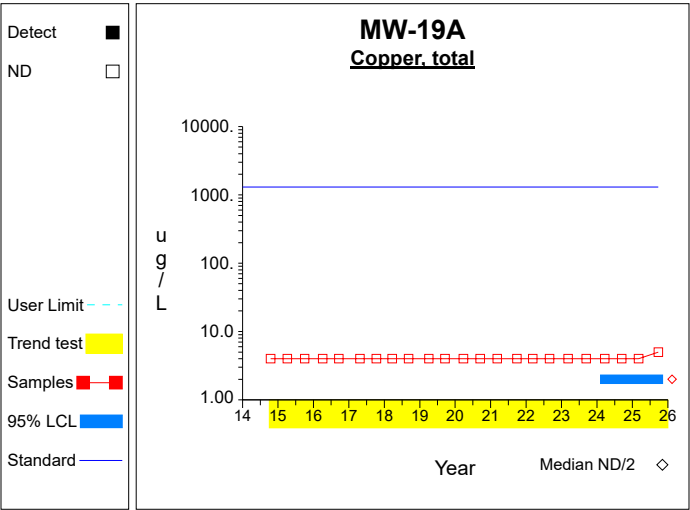
Graph 26



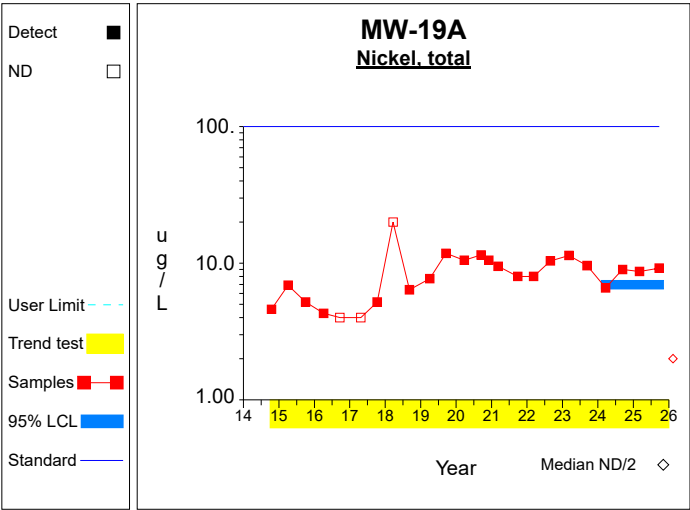
Graph 27



Graph 28

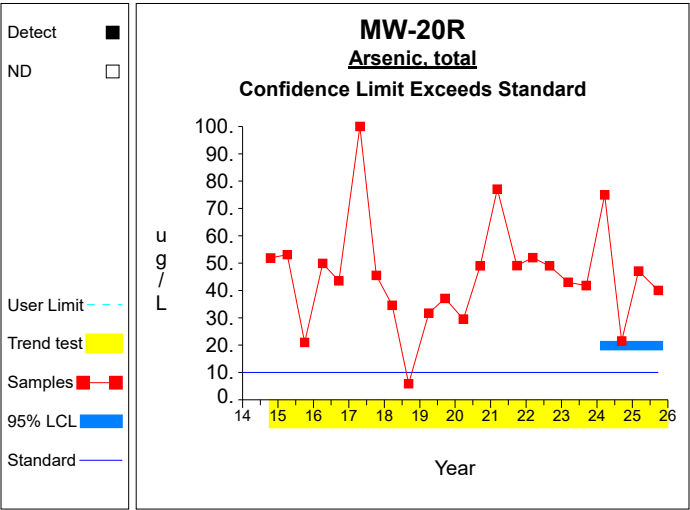


Graph 29

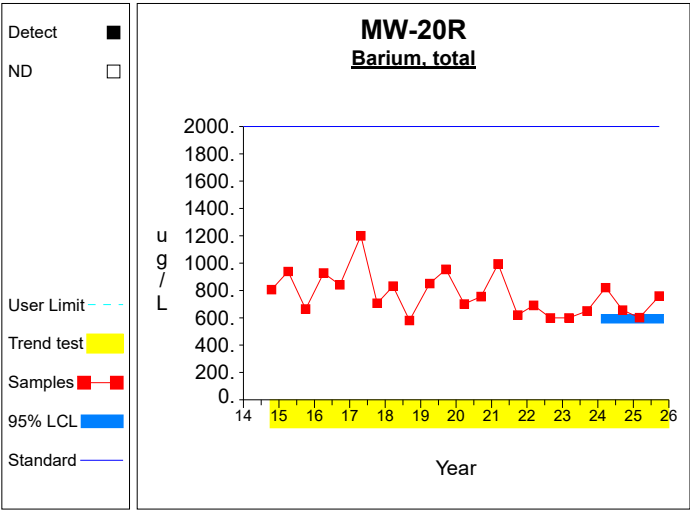


Graph 30

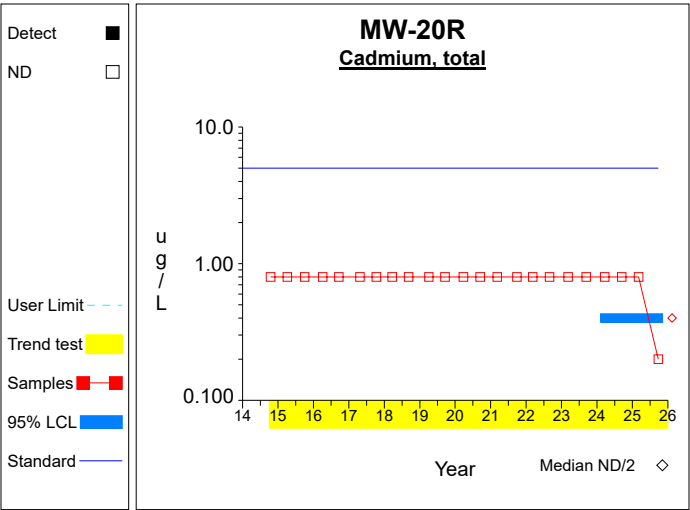
Confidence Limits (Assessment)



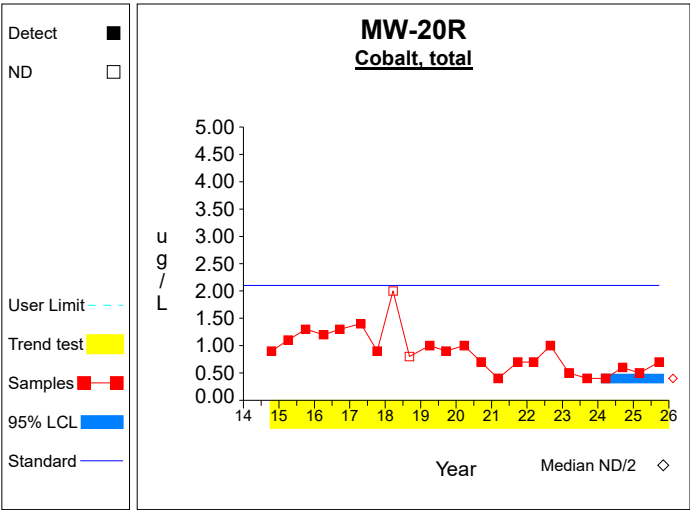
Graph 31



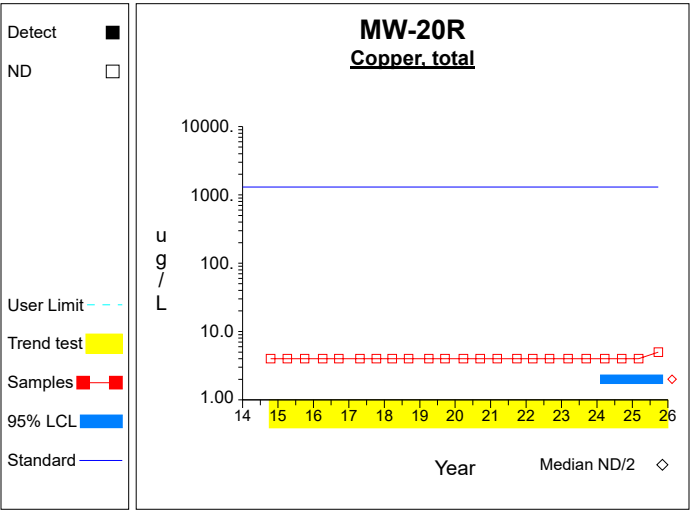
Graph 32



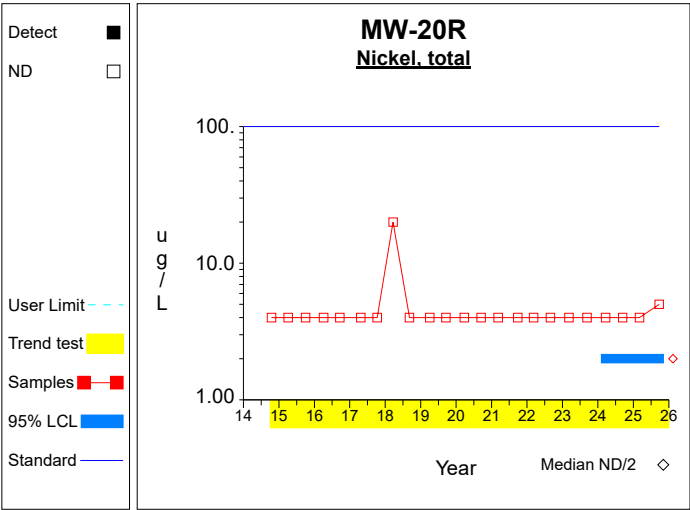
Graph 33



Graph 34

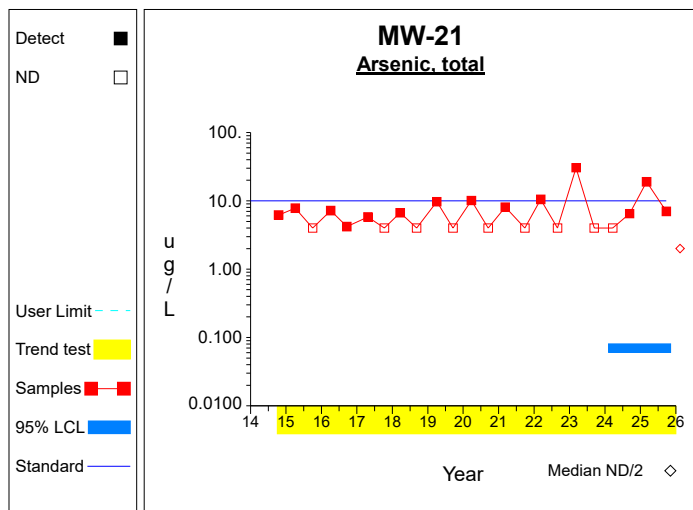


Graph 35

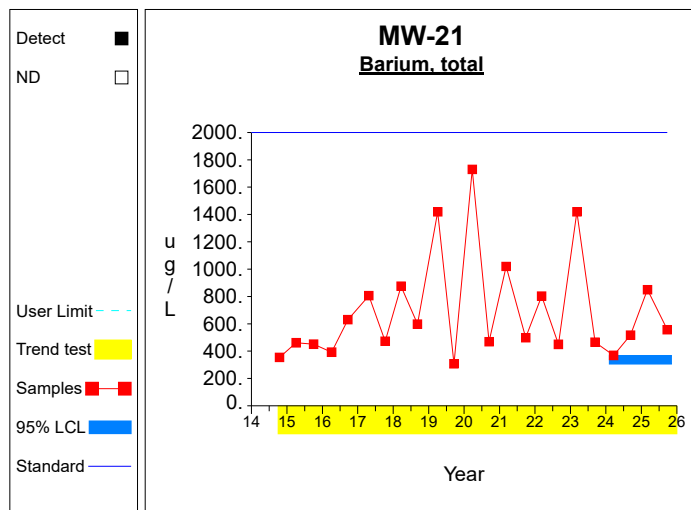


Graph 36

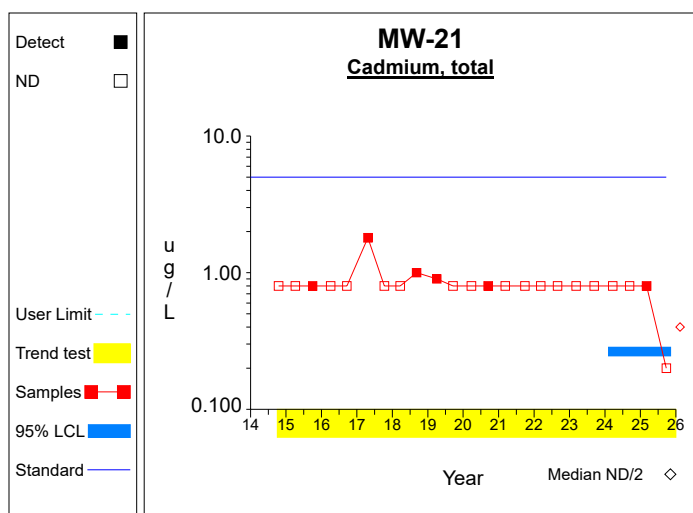
Confidence Limits (Assessment)



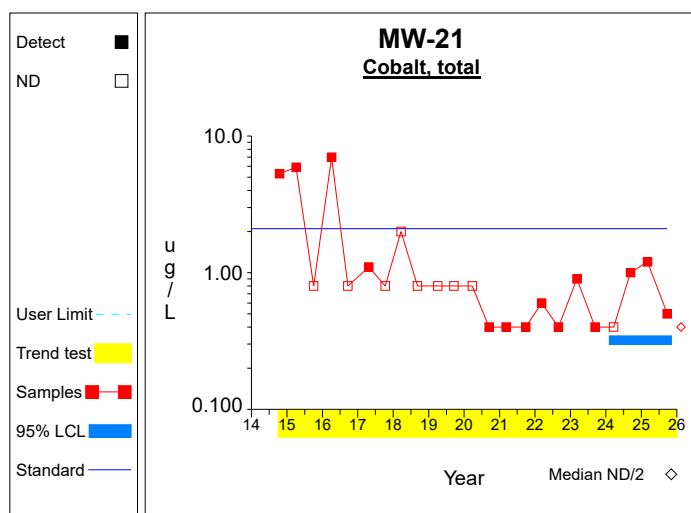
Graph 37



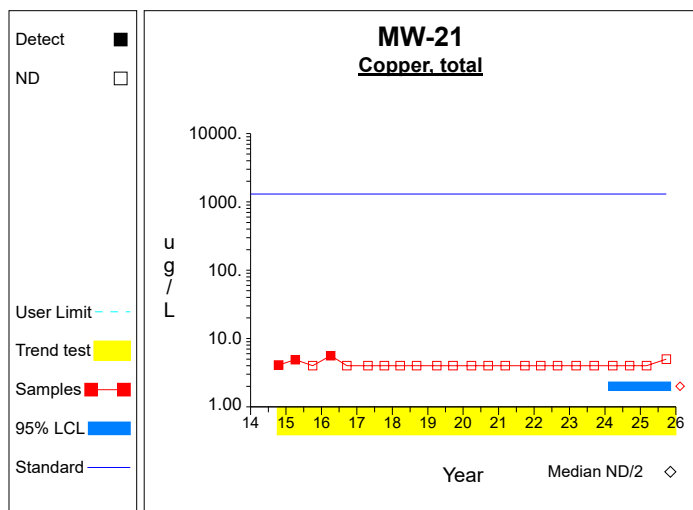
Graph 38



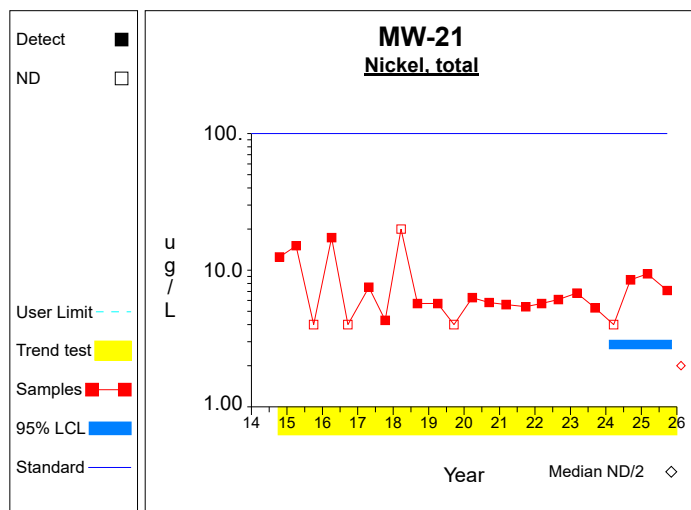
Graph 39



Graph 40

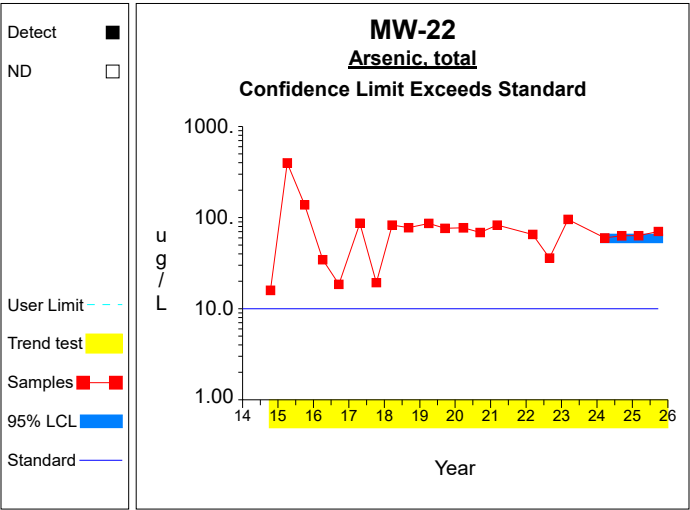


Graph 41

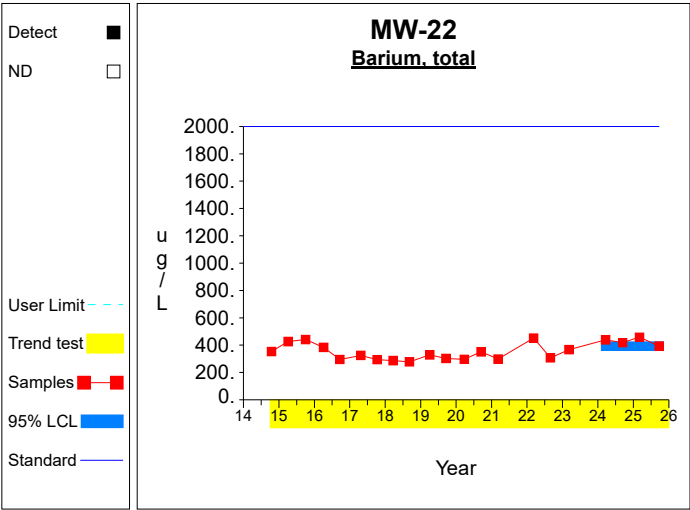


Graph 42

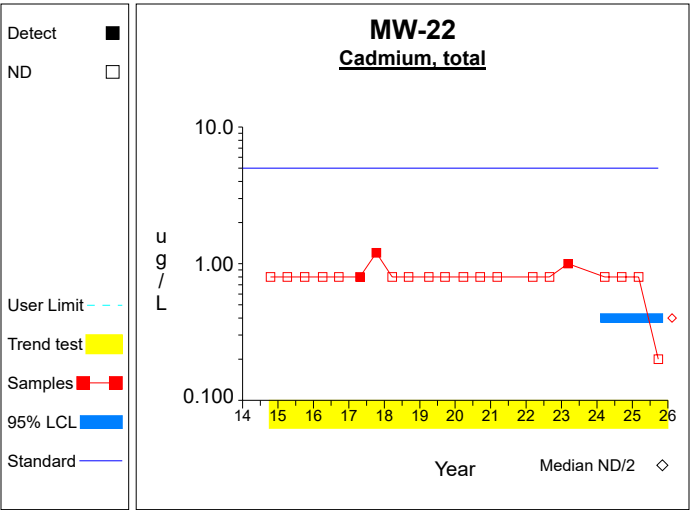
Confidence Limits (Assessment)



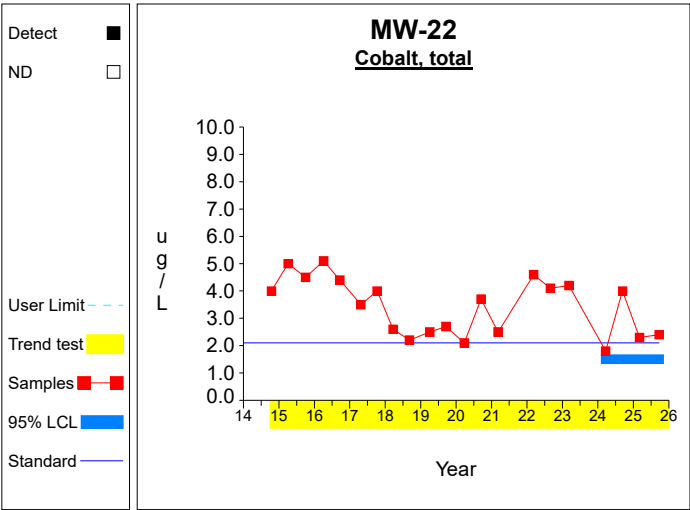
Graph 43



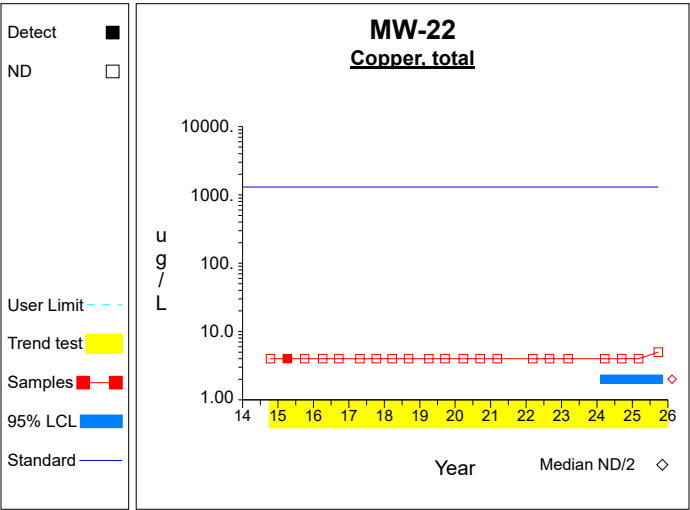
Graph 44



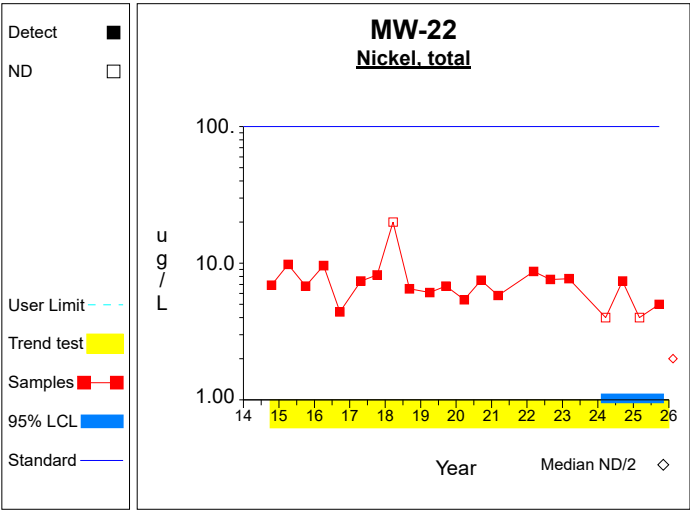
Graph 45



Graph 46

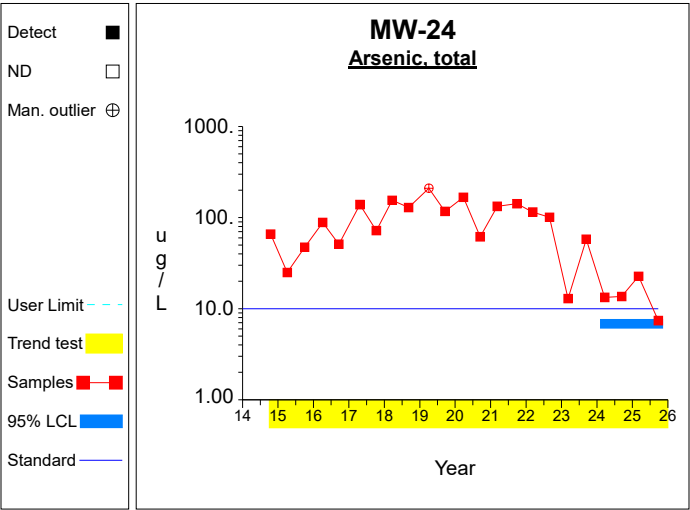


Graph 47

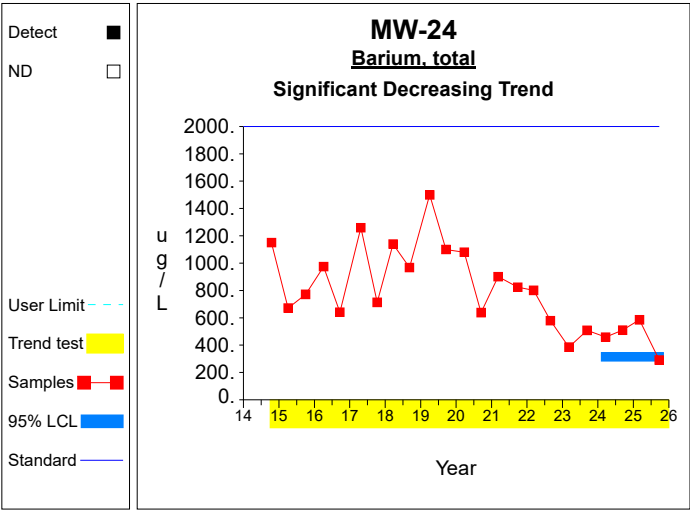


Graph 48

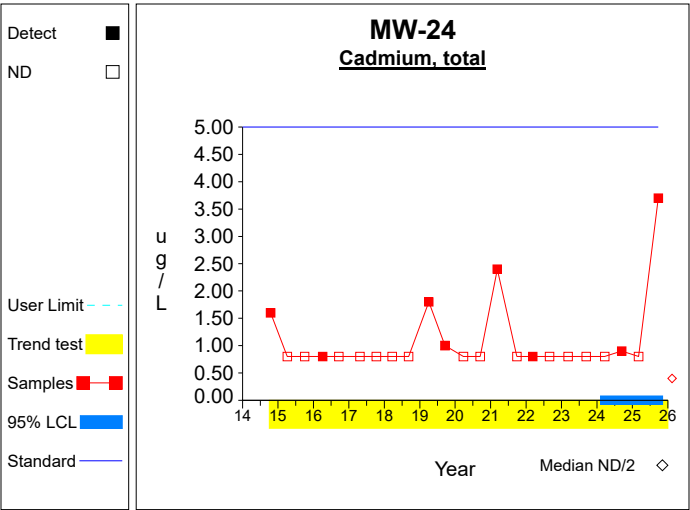
Confidence Limits (Assessment)



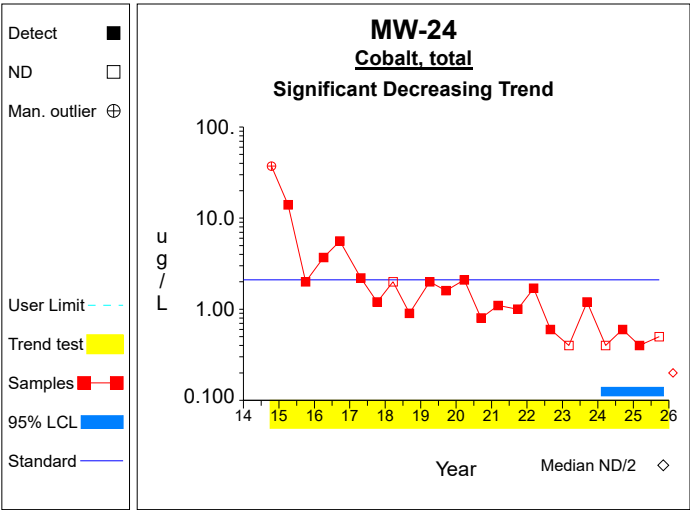
Graph 49



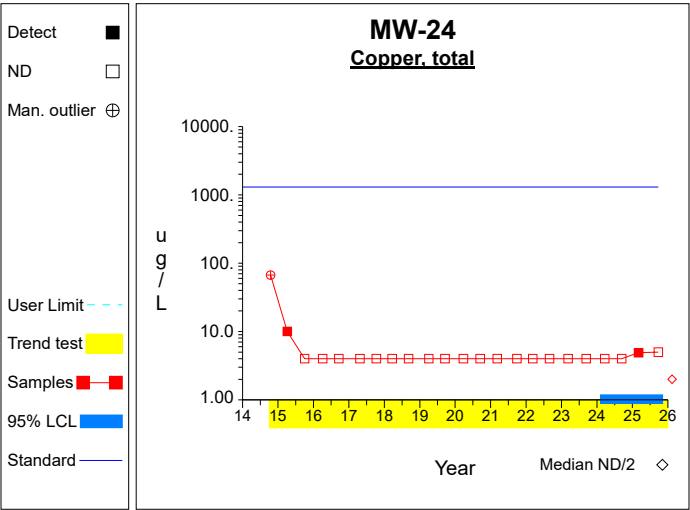
Graph 50



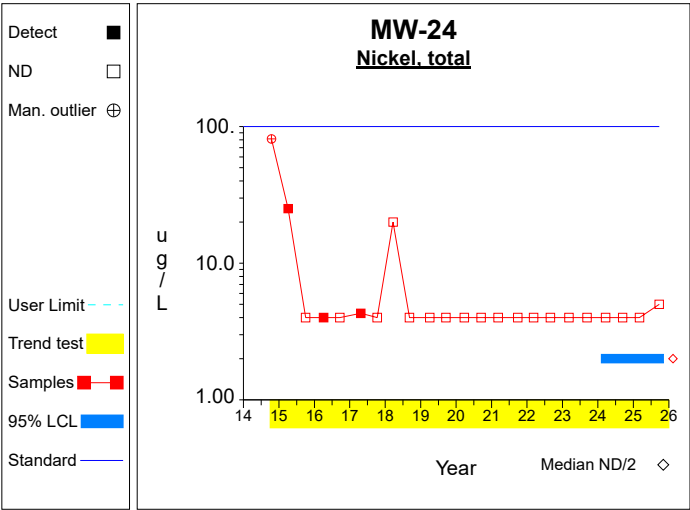
Graph 51



Graph 52

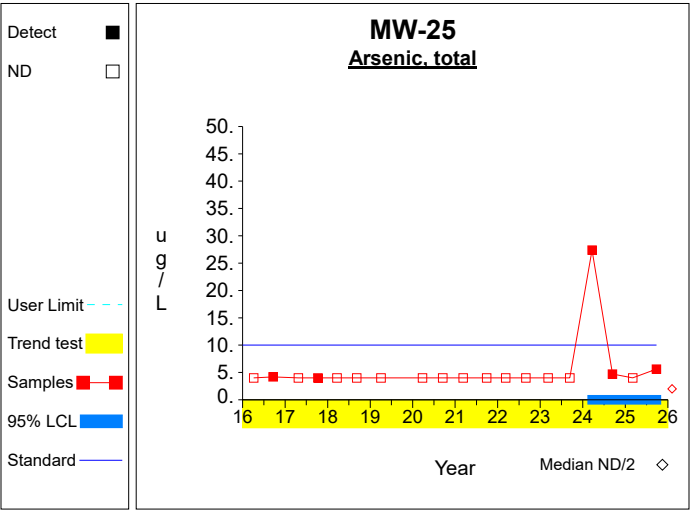


Graph 53

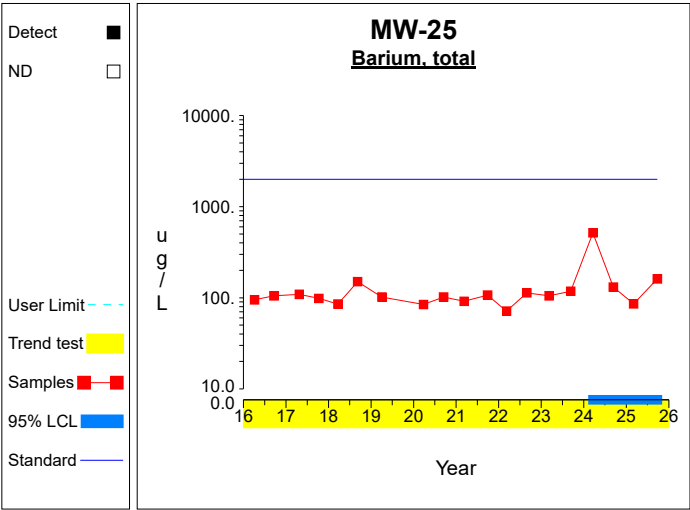


Graph 54

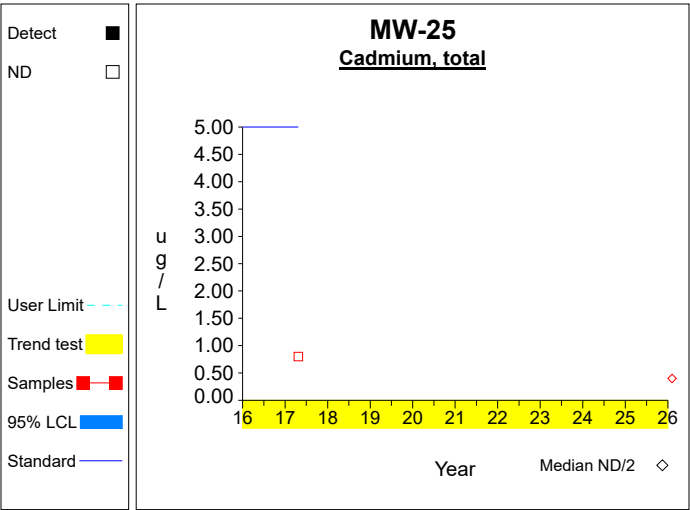
Confidence Limits (Assessment)



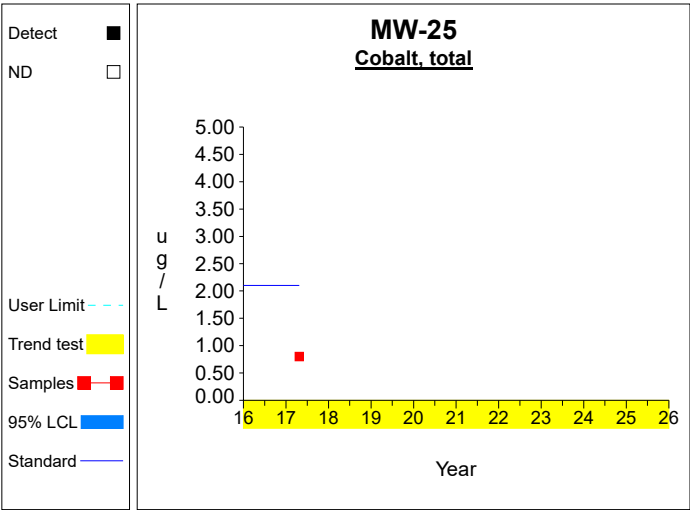
Graph 55



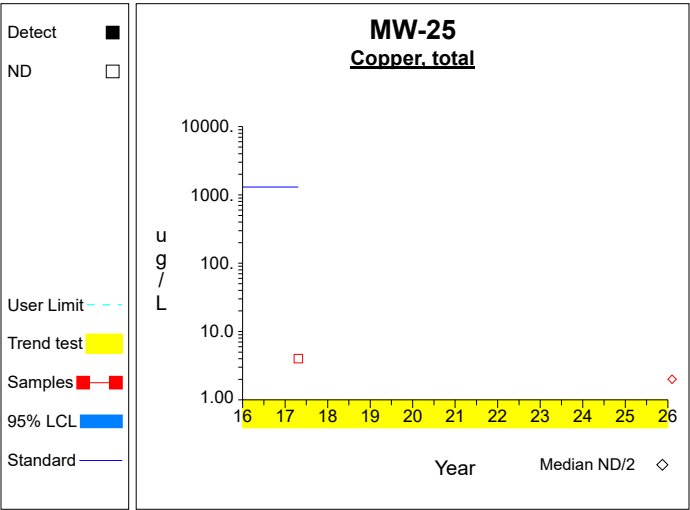
Graph 56



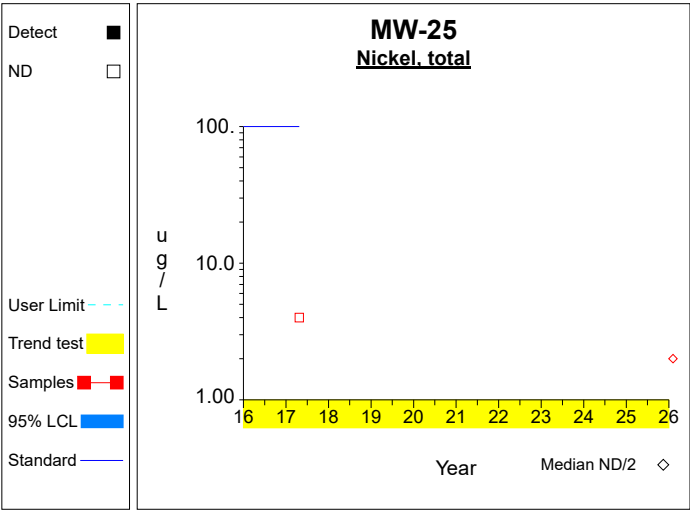
Graph 57



Graph 58

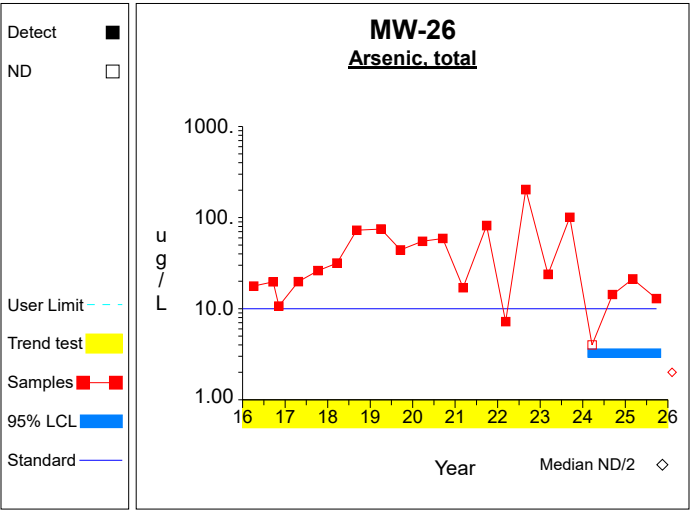


Graph 59

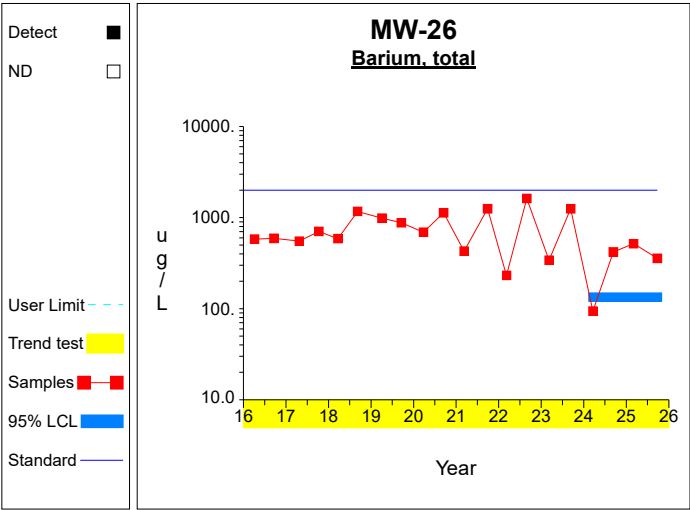


Graph 60

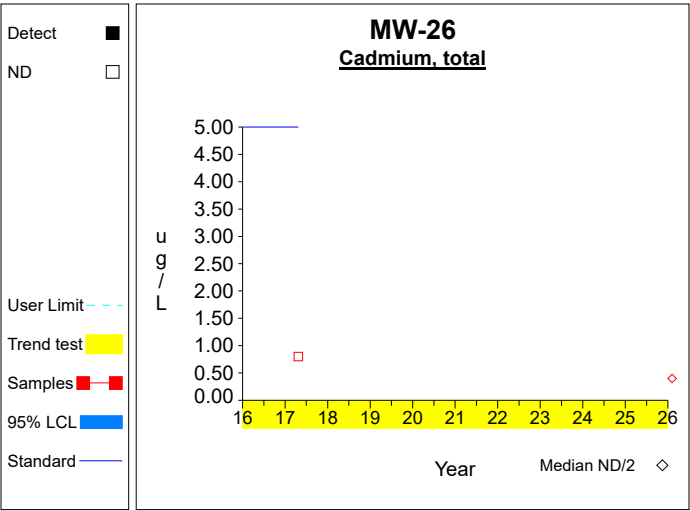
Confidence Limits (Assessment)



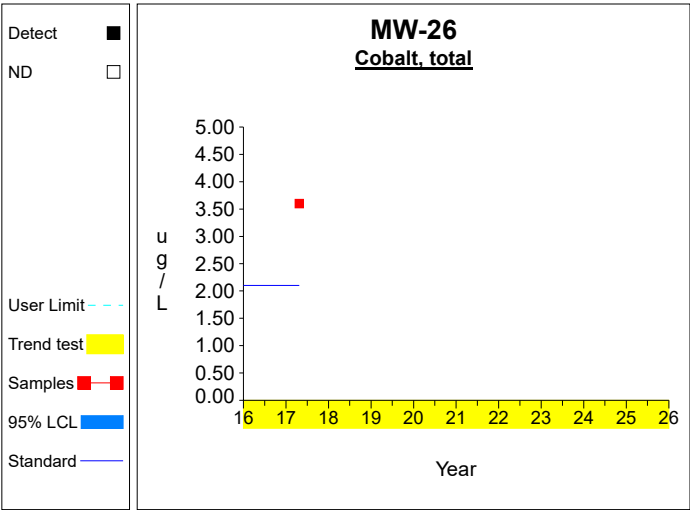
Graph 61



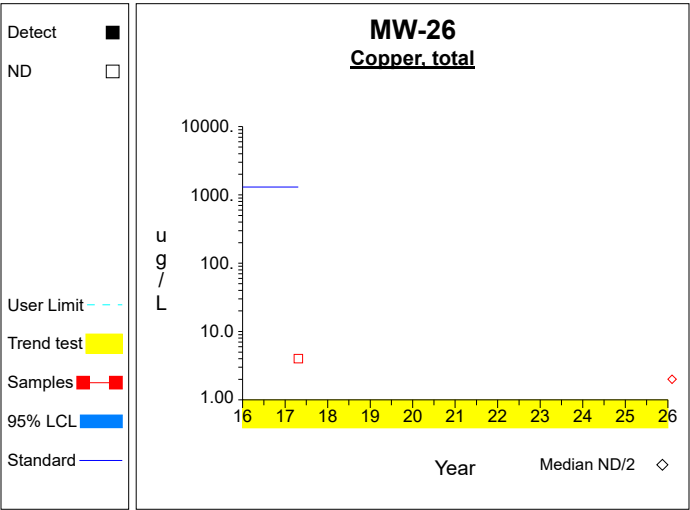
Graph 62



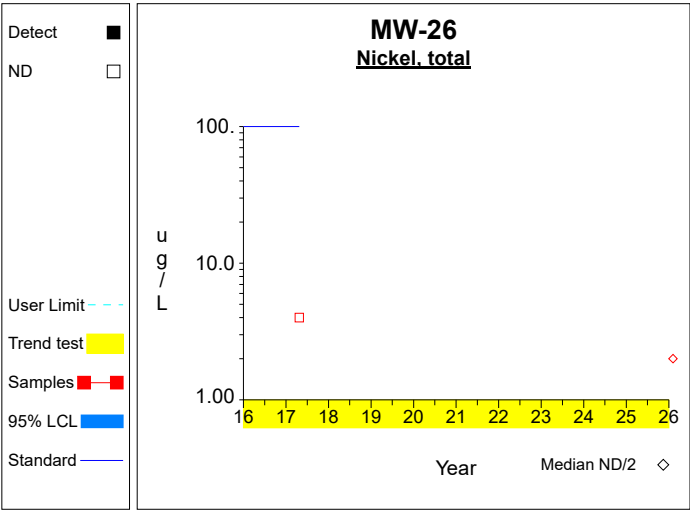
Graph 63



Graph 64

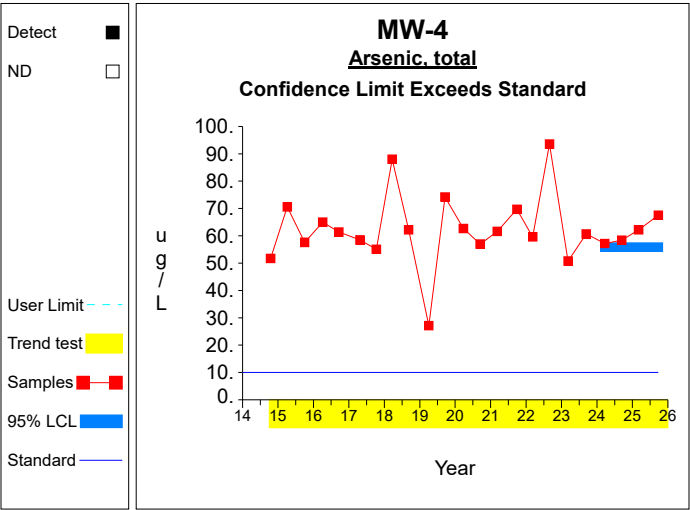


Graph 65

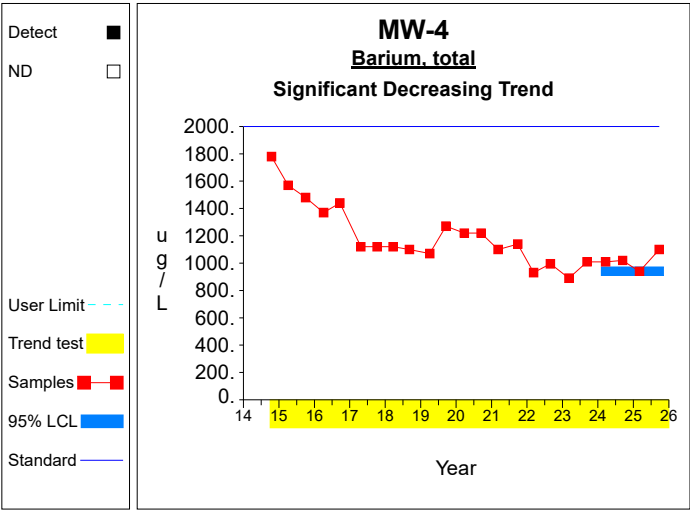


Graph 66

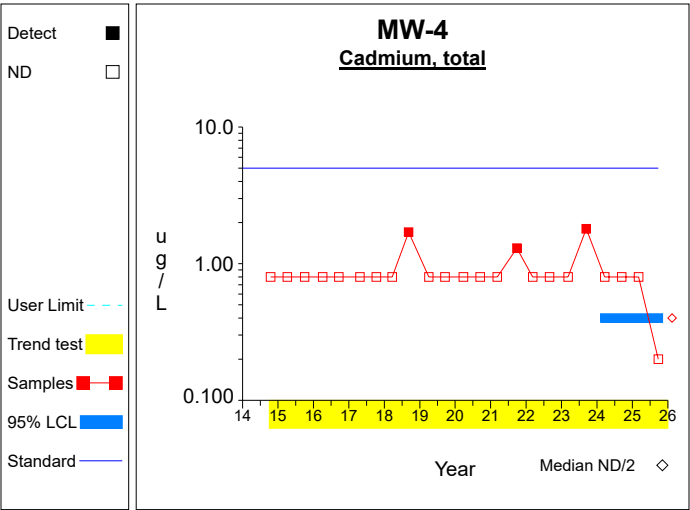
Confidence Limits (Assessment)



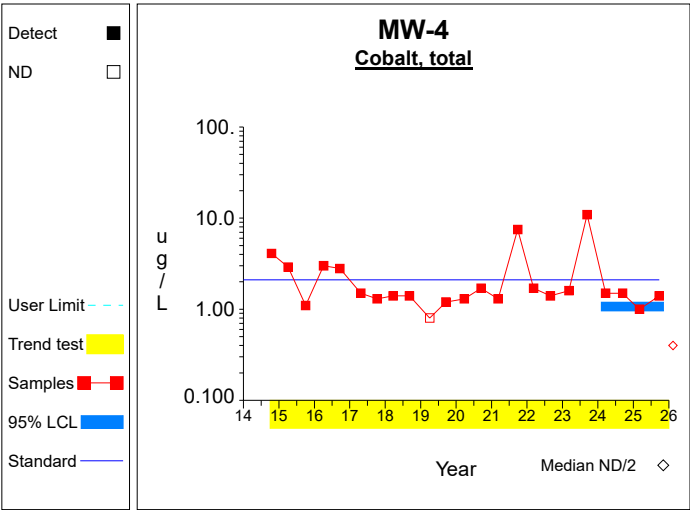
Graph 67



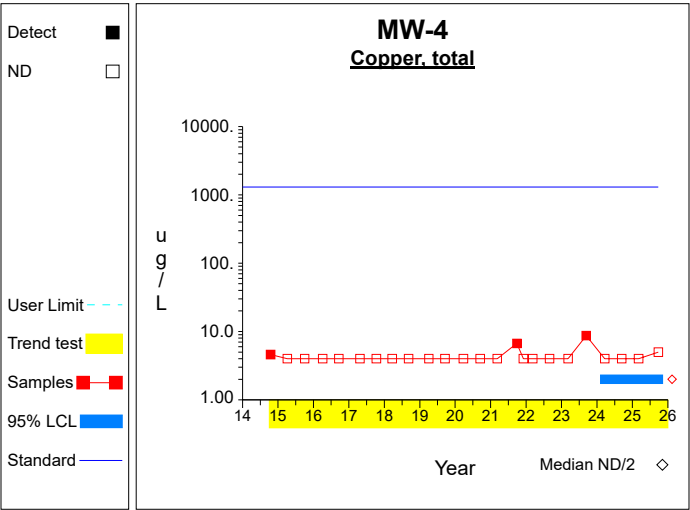
Graph 68



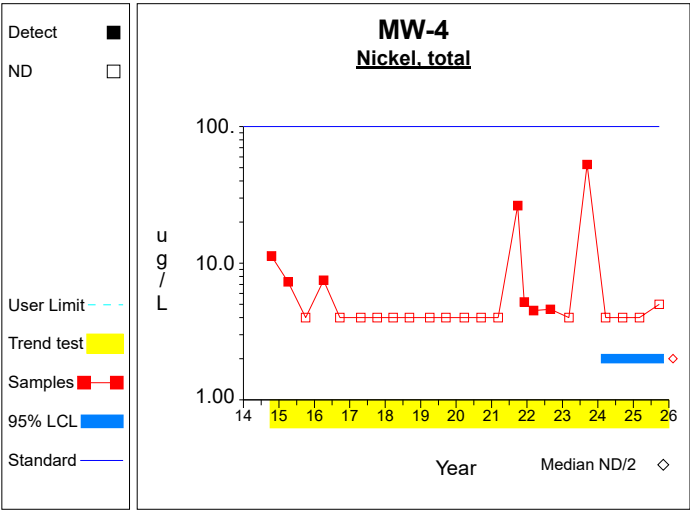
Graph 69



Graph 70

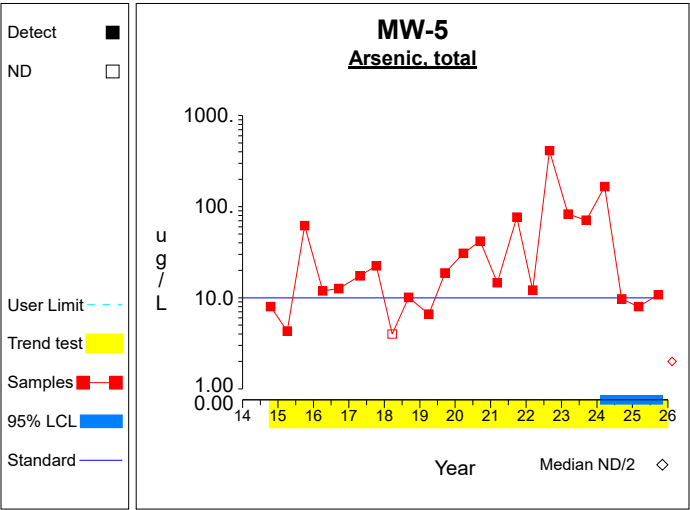


Graph 71

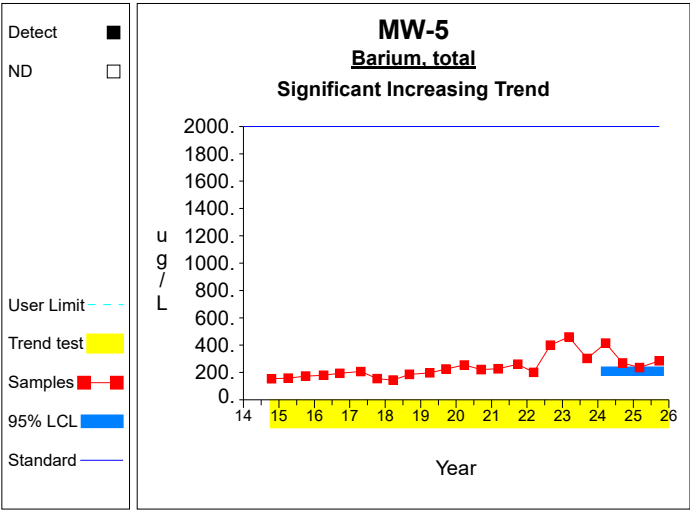


Graph 72

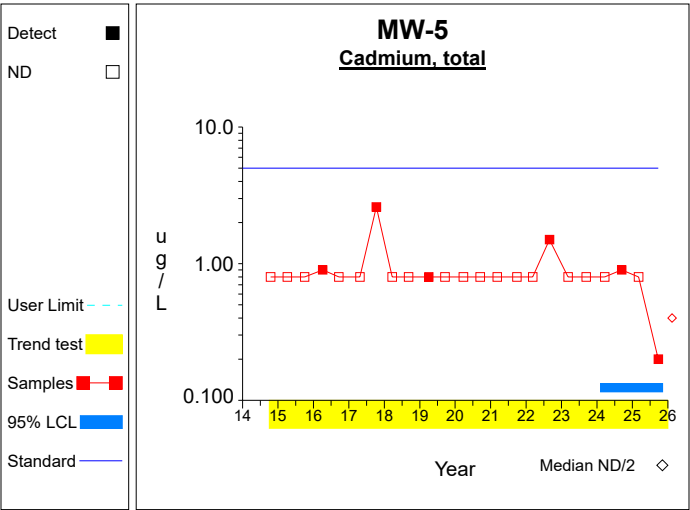
Confidence Limits (Assessment)



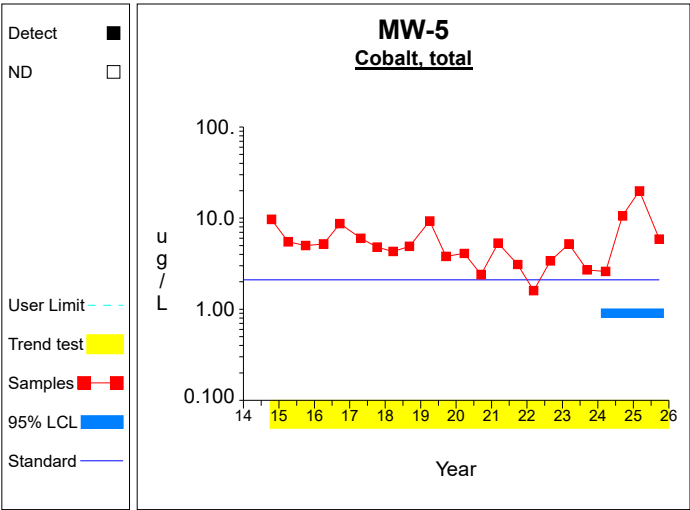
Graph 73



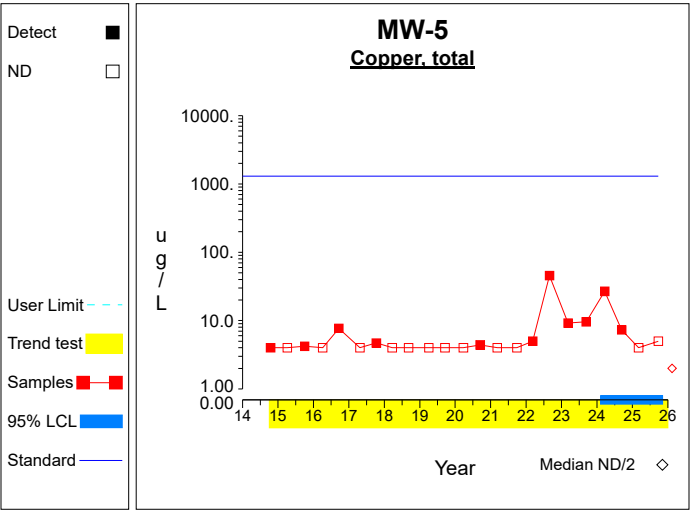
Graph 74



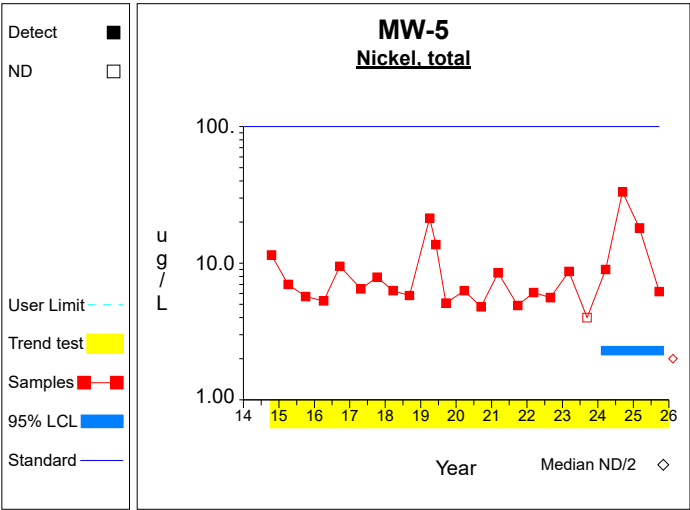
Graph 75



Graph 76

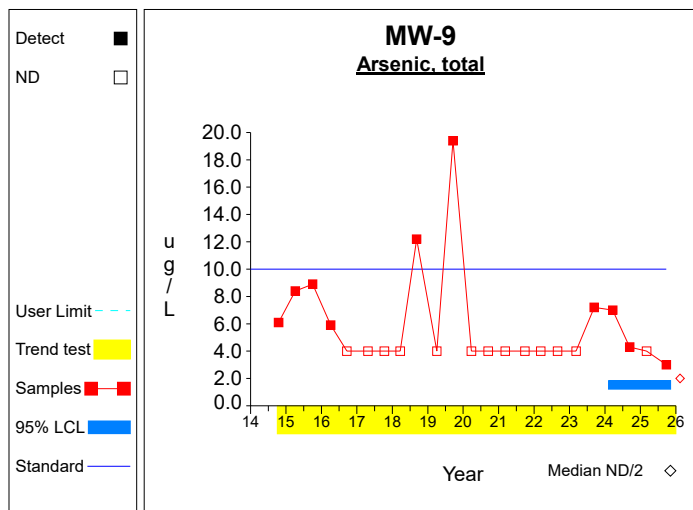


Graph 77

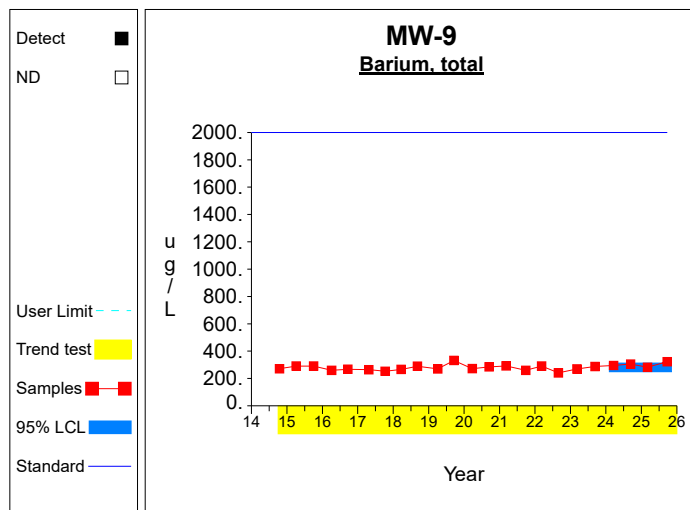


Graph 78

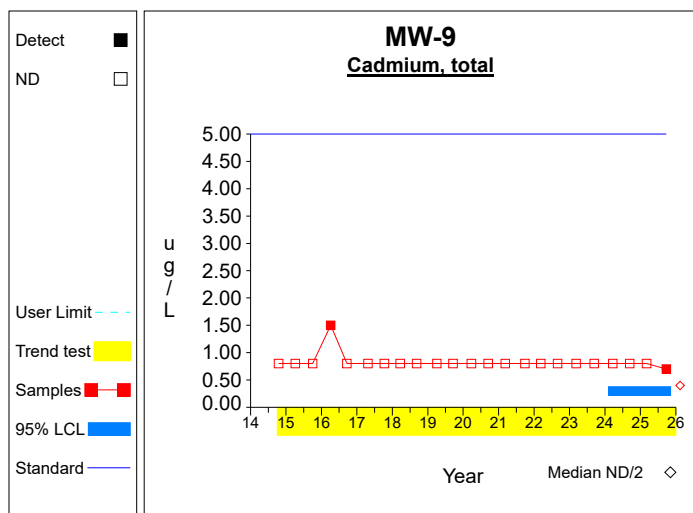
Confidence Limits (Assessment)



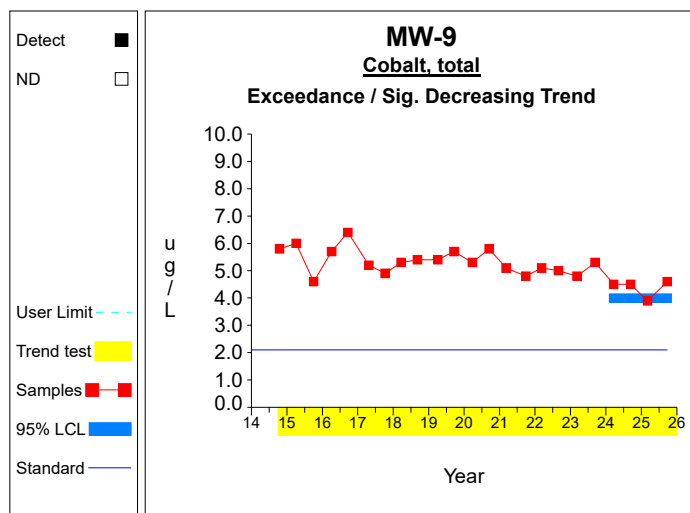
Graph 79



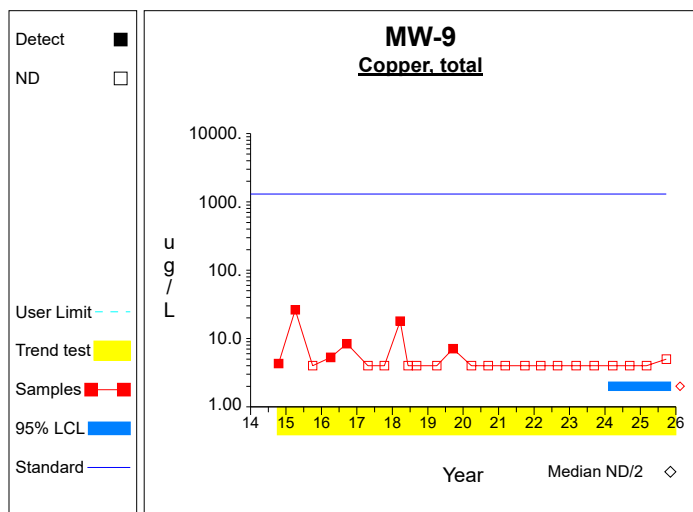
Graph 80



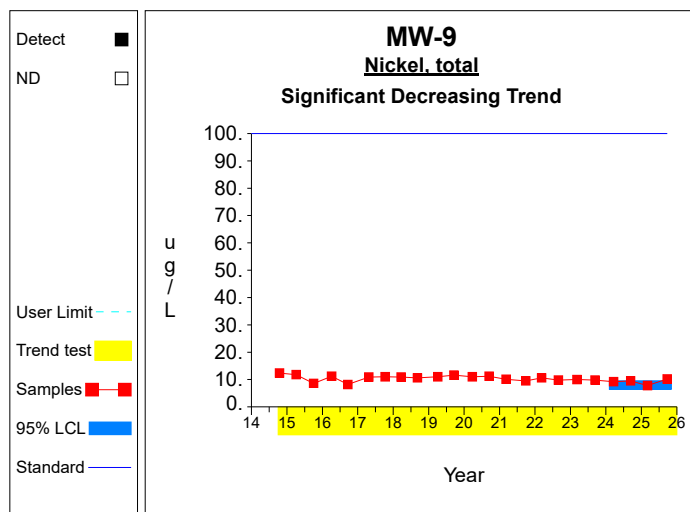
Graph 81



Graph 82



Graph 83



Graph 84

Attachment D

Summary Tables and Graphs for the Intrawell Comparisons

Table 1

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

Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Antimony, total	ug/L	MW-12	21	2	40			2.0000	1.0000			2.0000	nonpar	.99	**
Arsenic, total	ug/L	MW-12	22	2	41	7.5636	3.9883	4.0000	6.0000	7.5636	7.5636	33.4873	normal		
Barium, total	ug/L	MW-12	21	2	40	376.8571	73.6181	267.0000	339.0000	376.8571	376.8571	855.3750	normal		
Beryllium, total	ug/L	MW-12	21	2	40			4.0000	0.5000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	MW-12	21	2	40			0.8000	0.2000			1.6000	nonpar	.99	**
Chromium, total	ug/L	MW-12	21	2	40			8.0000	1.0000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	MW-12	21	2	40	5.1714	4.3931	3.3000	5.6000	5.1714	5.1714	33.7264	normal		
Copper, total	ug/L	MW-12	21	2	40			4.0000	5.0000			6.3000	nonpar	.99	**
Lead, total	ug/L	MW-12	21	2	40			4.0000	1.0000			4.0000	nonpar	.99	**
Nickel, total	ug/L	MW-12	21	2	40	7.5952	4.2026	6.4000	9.1000	7.5952	7.5952	34.9119	normal		
Selenium, total	ug/L	MW-12	21	2	40			4.0000	2.0000			4.0000	nonpar	.99	**
Silver, total	ug/L	MW-12	21	2	40			4.0000	5.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	MW-12	21	2	40			2.0000	0.5000			2.8000	nonpar	.99	**
Vanadium, total	ug/L	MW-12	21	2	40			20.0000	2.0000			20.0000	nonpar	.99	**
Zinc, total	ug/L	MW-12	20	2	40			20.0000	9.7000			27.2000	nonpar	.99	**
Antimony, total	ug/L	MW-15R	21	2	35			2.0000	1.0000			2.0000	nonpar	.99	**
Arsenic, total	ug/L	MW-15R	21	2	35	25.8476	8.1411	14.0000	20.6000	25.8476	25.8476	78.7648	normal		
Barium, total	ug/L	MW-15R	21	2	35	462.3810	87.7904	343.0000	435.0000	462.3810	462.3810	1033.0183	normal		
Beryllium, total	ug/L	MW-15R	21	2	35			4.0000	0.5000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	MW-15R	21	2	35			0.8000	0.2000			0.8000	nonpar	.99	**
Chromium, total	ug/L	MW-15R	21	2	35			8.0000	1.0000			13.7000	nonpar	.99	**
Cobalt, total	ug/L	MW-15R	21	2	35	3.4810	1.0953	2.6000	4.1000	3.4810	3.4810	10.6002	normal		
Copper, total	ug/L	MW-15R	20	2	35			4.0000	5.0000			8.5000	nonpar	.99	**
Lead, total	ug/L	MW-15R	21	2	35			4.0000	1.0000			10.0000	nonpar	.99	**
Nickel, total	ug/L	MW-15R	19	2	35	4.6158	1.5200	4.0000	5.5000	4.6158	4.6158	14.4956	normal		
Selenium, total	ug/L	MW-15R	21	2	35			4.0000	2.0000			4.0000	nonpar	.99	**
Silver, total	ug/L	MW-15R	21	2	35			4.0000	5.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	MW-15R	21	2	35			2.0000	0.5000			2.4000	nonpar	.99	**
Vanadium, total	ug/L	MW-15R	21	2	35			20.0000	2.0000			27.9000	nonpar	.99	**
Zinc, total	ug/L	MW-15R	21	2	35	24.2333	16.1080	20.0000	5.0000	24.2333	24.2333	128.9351	normal		
Antimony, total	ug/L	MW-20R	21	2	35			2.0000	1.0000			2.0000	nonpar	.99	**
Arsenic, total	ug/L	MW-20R	21	2	35	45.7714	20.5420	47.1000	40.0000	45.7714	45.7714	179.2943	normal		
Barium, total	ug/L	MW-20R	21	2	35	780.3333	159.7255	601.0000	759.0000	780.3333	780.3333	1818.5490	normal		
Beryllium, total	ug/L	MW-20R	21	2	35			4.0000	0.5000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	MW-20R	21	2	35			0.8000	0.2000			0.8000	nonpar	.99	**
Chromium, total	ug/L	MW-20R	21	2	35			8.0000	1.2000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	MW-20R	21	2	35	0.8571	0.3026	0.5000	0.7000	0.8571	0.8571	2.8241	normal		
Copper, total	ug/L	MW-20R	21	2	35			4.0000	5.0000			4.0000	nonpar	.99	**
Lead, total	ug/L	MW-20R	21	2	35			4.0000	1.0000			4.1000	nonpar	.99	**
Nickel, total	ug/L	MW-20R	20	2	35			4.0000	5.0000			4.0000	nonpar	.99	**
Selenium, total	ug/L	MW-20R	21	2	35			4.0000	2.0000			4.0000	nonpar	.99	**
Silver, total	ug/L	MW-20R	21	2	35			4.0000	5.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	MW-20R	21	2	35			2.0000	0.5000			2.0000	nonpar	.99	**
Vanadium, total	ug/L	MW-20R	21	2	35			20.0000	2.0000			20.0000	nonpar	.99	**
Zinc, total	ug/L	MW-20R	20	2	35	18.0700	3.8847	20.0000	5.0000	18.0700	18.0700	43.3203	normal		
Antimony, total	ug/L	MW-21	21	2	35			2.0000	1.0000			2.0000	nonpar	.99	**

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

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

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

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

* - Insufficient Data.

** - Detection Frequency < 25%.

*** - Zero Variance.

Table 1

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

Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Arsenic, total	ug/L	MW-21	20	2	35	5.9400	2.2922	19.0000	7.0000	17.2809	16.6217	20.8392	normal		
Barium, total	ug/L	MW-21	21	2	35	690.8095	397.5660	850.0000	557.0000	690.8095	690.8095	3274.9888	normal		
Beryllium, total	ug/L	MW-21	21	2	35			4.0000	0.5000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	MW-21	21	2	35			0.8000	0.2000			1.8000	nonpar	.99	**
Chromium, total	ug/L	MW-21	21	2	35			8.0000	1.0000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	MW-21	21	2	35	1.4762	1.9504	1.2000	0.5000	1.4762	1.4762	14.1535	normal		
Copper, total	ug/L	MW-21	21	2	35			4.0000	5.0000			5.6000	nonpar	.99	**
Lead, total	ug/L	MW-21	21	2	35			4.0000	1.0000			4.0000	nonpar	.99	**
Nickel, total	ug/L	MW-21	21	2	35	6.8381	3.6841	9.4000	7.1000	6.8381	6.8381	30.7846	normal		
Selenium, total	ug/L	MW-21	21	2	35			4.0000	2.0000			4.0000	nonpar	.99	**
Silver, total	ug/L	MW-21	21	2	35			4.0000	5.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	MW-21	21	2	35			2.0000	0.5000			2.0000	nonpar	.99	**
Vanadium, total	ug/L	MW-21	21	2	35			20.0000	2.0000			20.0000	nonpar	.99	**
Zinc, total	ug/L	MW-21	21	2	35			20.0000	5.0000			38.3000	nonpar	.99	**
Antimony, total	ug/L	MW-22	19	2	32			2.0000	1.0000			2.0000	nonpar	.99	**
Arsenic, total	ug/L	MW-22	19	2	32	83.2789	82.0819	63.4000	70.4000	83.2789	83.2789	616.8113	normal		
Barium, total	ug/L	MW-22	19	2	32	349.5263	59.8808	458.0000	392.0000	413.0894	410.6525	738.7514	normal		
Beryllium, total	ug/L	MW-22	19	2	32			4.0000	0.5000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	MW-22	19	2	32			0.8000	0.2000			1.2000	nonpar	.99	**
Chromium, total	ug/L	MW-22	19	2	32			8.0000	1.0000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	MW-22	19	2	32	3.5526	1.0384	2.3000	2.4000	3.5526	3.5526	10.3020	normal		
Copper, total	ug/L	MW-22	19	2	32			4.0000	5.0000			4.0000	nonpar	.99	**
Lead, total	ug/L	MW-22	19	2	32			4.0000	1.0000			4.0000	nonpar	.99	**
Nickel, total	ug/L	MW-22	19	2	32	6.8737	1.6659	4.0000	5.0000	6.8737	6.8737	17.7023	normal		
Selenium, total	ug/L	MW-22	19	2	32			4.0000	2.0000			4.0000	nonpar	.99	**
Silver, total	ug/L	MW-22	19	2	32			4.0000	5.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	MW-22	19	2	32			2.0000	0.5000			2.0000	nonpar	.99	**
Vanadium, total	ug/L	MW-22	19	2	32			20.0000	2.0000			20.0000	nonpar	.99	**
Zinc, total	ug/L	MW-22	19	2	32			20.0000	5.0000			37.0000	nonpar	.99	**
Antimony, total	ug/L	MW-4	21	2	39			2.0000	1.0000			2.0000	nonpar	.99	**
Arsenic, total	ug/L	MW-4	21	2	39	62.0333	13.3489	62.2000	67.5000	62.0333	62.0333	148.8015	normal		
Barium, total	ug/L	MW-4	21	2	39	1189.3333	225.4215	940.0000	1100.0000	1189.3333	1189.3333	2654.5728	normal		
Beryllium, total	ug/L	MW-4	21	2	39			4.0000	0.5000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	MW-4	21	2	39			0.8000	0.2000			1.8000	nonpar	.99	**
Chromium, total	ug/L	MW-4	20	2	39			8.0000	1.1000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	MW-4	21	2	39	2.4714	2.4309	1.0000	1.4000	2.4714	2.4714	18.2721	normal		
Copper, total	ug/L	MW-4	22	2	40			4.0000	5.0000			8.7000	nonpar	.99	**
Lead, total	ug/L	MW-4	21	2	39			4.0000	1.0000			4.0000	nonpar	.99	**
Nickel, total	ug/L	MW-4	20	2	40	4.8200	1.8501	4.0000	5.0000	4.8200	4.8200	16.8454	normal		
Selenium, total	ug/L	MW-4	21	2	39			4.0000	2.0000			4.0000	nonpar	.99	**
Silver, total	ug/L	MW-4	21	2	39			4.0000	5.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	MW-4	21	2	39			2.0000	0.5000			2.0000	nonpar	.99	**
Vanadium, total	ug/L	MW-4	21	2	39			20.0000	2.0000			20.0000	nonpar	.99	**
Zinc, total	ug/L	MW-4	21	2	39	30.1905	26.4905	20.0000	5.0000	30.1905	30.1905	202.3788	normal		
Antimony, total	ug/L	MW-5	21	2	40			2.0000	1.0000			2.0000	nonpar	.99	**
Arsenic, total	ug/L	MW-5	21	2	40	52.1810	91.2785	8.0000	10.8000	52.1810	52.1810	645.4913	normal		

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

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

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

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

* - Insufficient Data.

** - Detection Frequency < 25%.

*** - Zero Variance.

Table 1

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

Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Barium, total	ug/L	MW-5	21	2	40	237.2857	89.0686	236.0000	285.0000	237.2857	237.2857	816.2316	normal		
Beryllium, total	ug/L	MW-5	21	2	40			4.0000	0.5000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	MW-5	20	2	40			0.8000	0.2000			1.5000	nonpar	.99	**
Chromium, total	ug/L	MW-5	21	2	40			8.0000	1.0000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	MW-5	21	2	40	5.1524	2.4989	19.9000	5.9000	18.0258	16.8992	21.3954	normal		
Copper, total	ug/L	MW-5	19	2	40	5.0579	1.8769	4.0000	5.0000	5.0579	5.0579	17.2574	normal		
Lead, total	ug/L	MW-5	21	2	40			4.0000	1.0000			4.0000	nonpar	.99	**
Nickel, total	ug/L	MW-5	22	2	41	8.9500	6.6498	18.1000	6.2000	13.1127	8.9500	52.1737	normal		
Selenium, total	ug/L	MW-5	21	2	40			4.0000	2.0000			4.0000	nonpar	.99	**
Silver, total	ug/L	MW-5	21	2	40			4.0000	5.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	MW-5	21	2	40			2.0000	0.5000			2.0000	nonpar	.99	**
Vanadium, total	ug/L	MW-5	21	2	40			20.0000	2.0000			20.0000	nonpar	.99	**
Zinc, total	ug/L	MW-5	20	2	40			20.0000	5.0000			21.1000	nonpar	.99	**

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

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

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

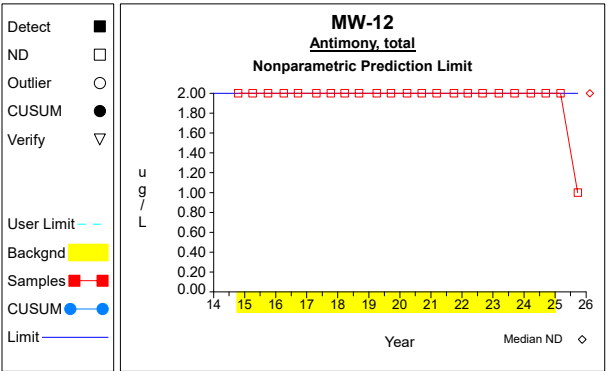
Conf = confidence level for passing initial test or one verification resample (nonparametric test only).

* - Insufficient Data.

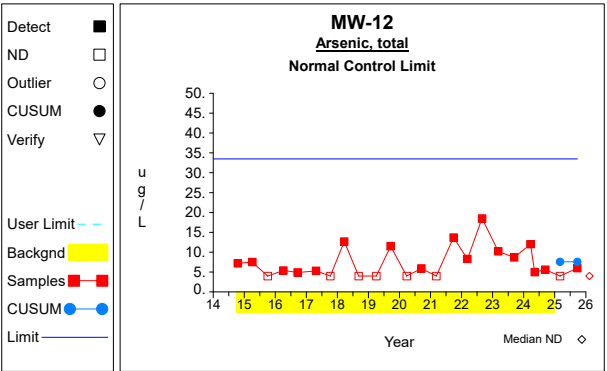
** - Detection Frequency < 25%.

*** - Zero Variance.

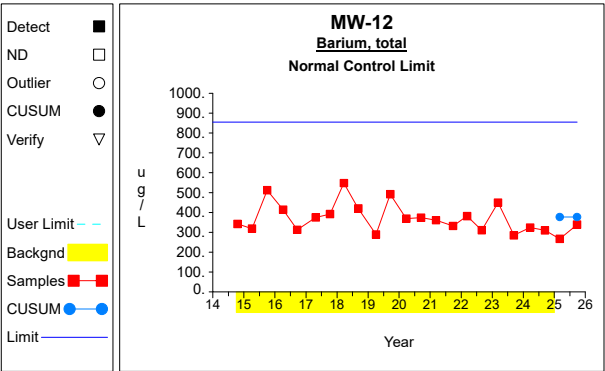
Intra-Well Control Charts / Prediction Limits



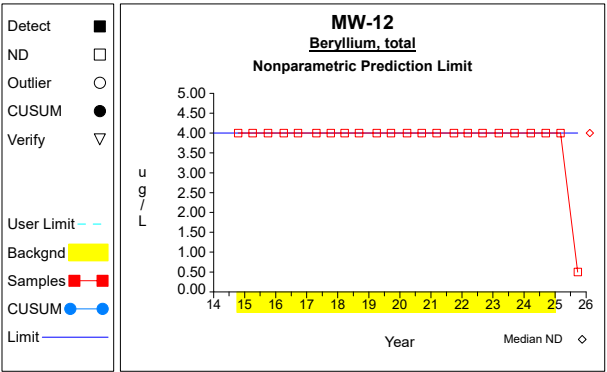
Graph 1



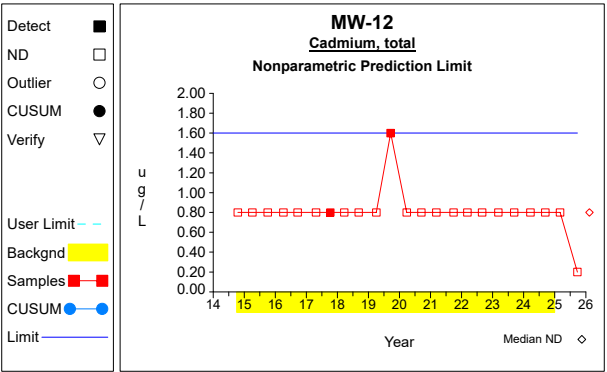
Graph 2



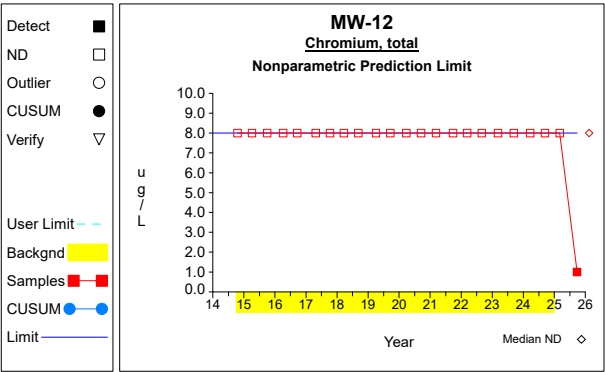
Graph 3



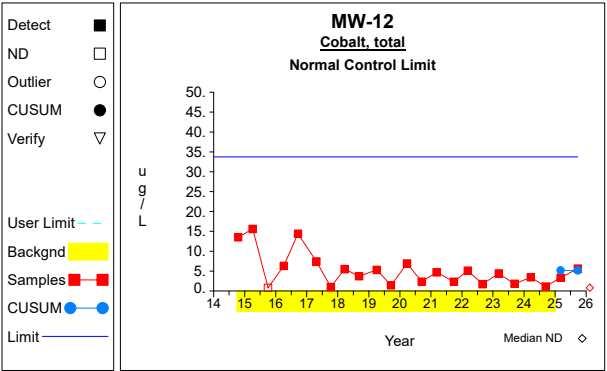
Graph 4



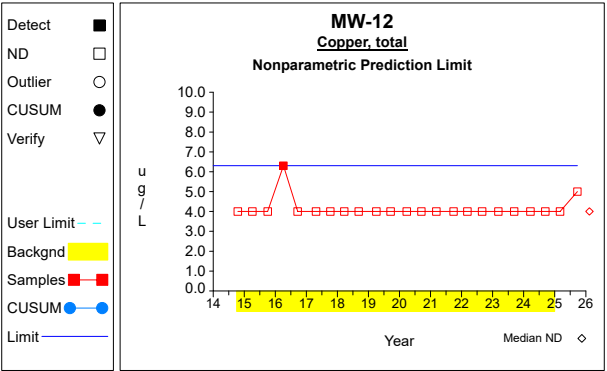
Graph 5



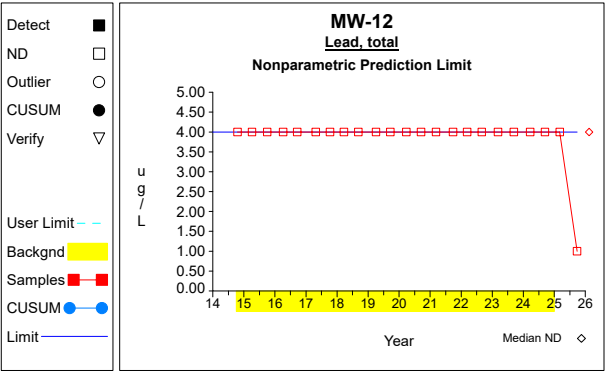
Graph 6



Graph 7

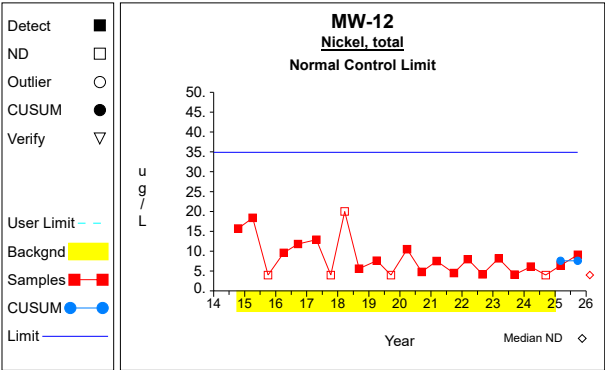


Graph 8

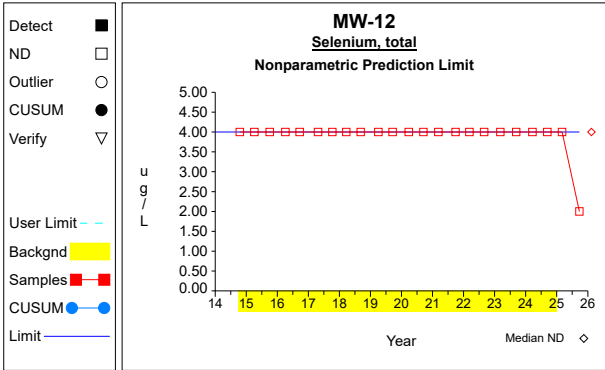


Graph 9

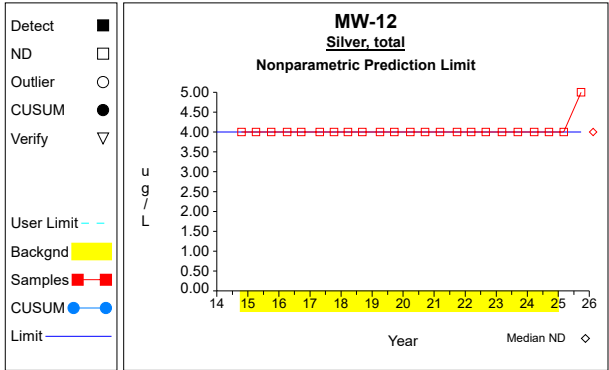
Intra-Well Control Charts / Prediction Limits



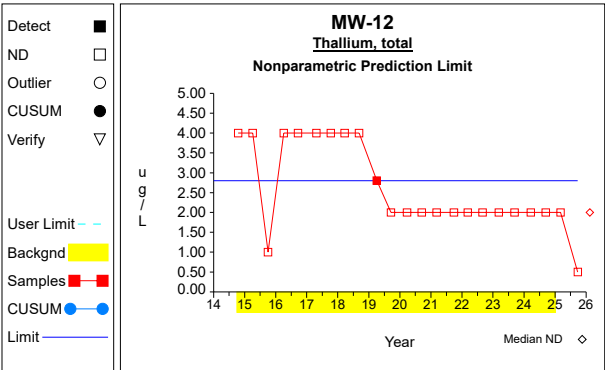
Graph 10



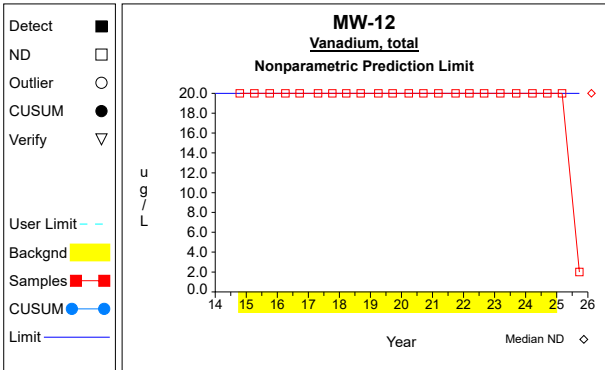
Graph 11



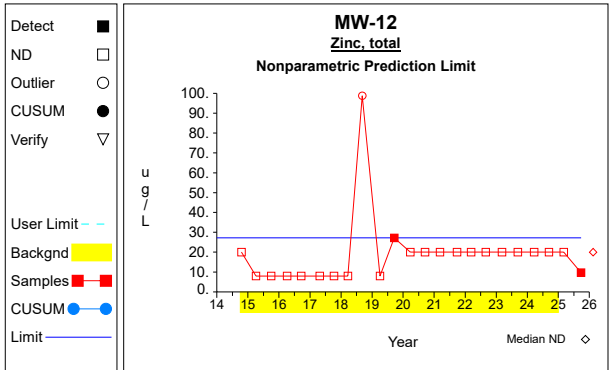
Graph 12



Graph 13

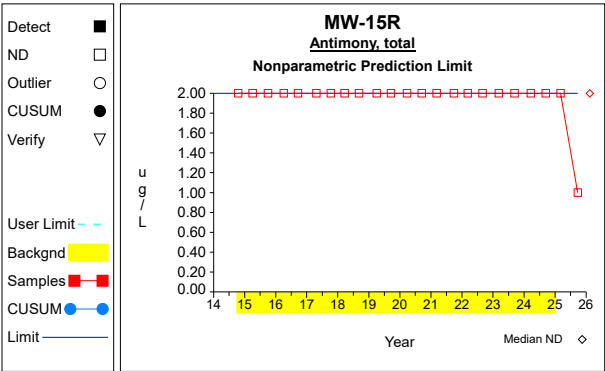


Graph 14

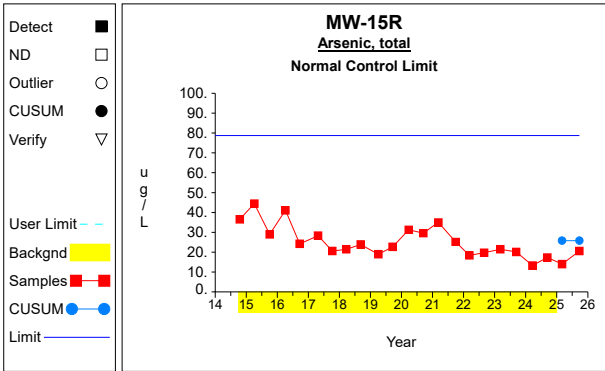


Graph 15

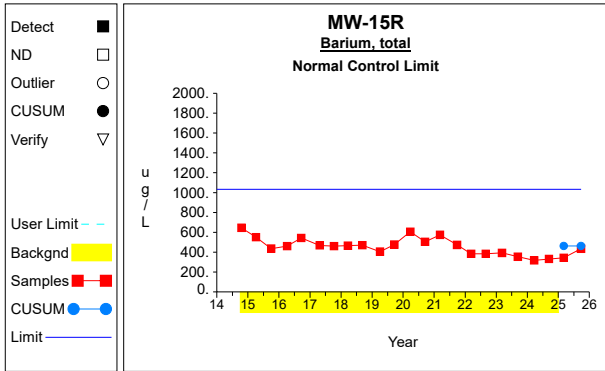
Intra-Well Control Charts / Prediction Limits



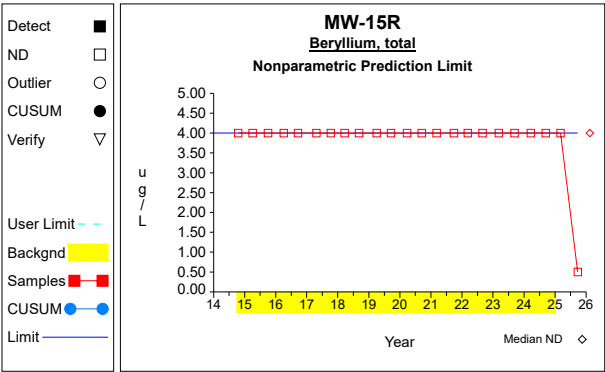
Graph 16



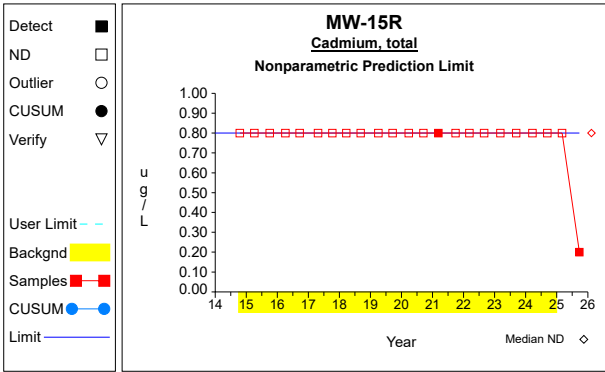
Graph 17



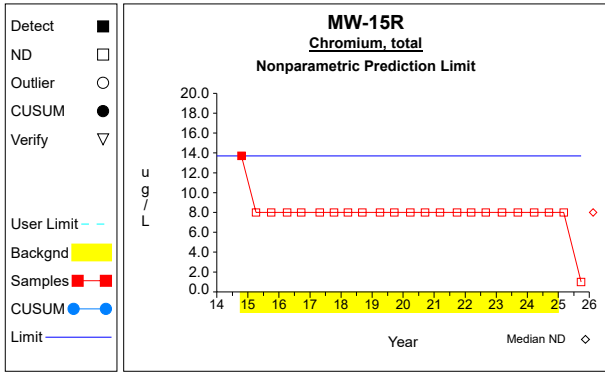
Graph 18



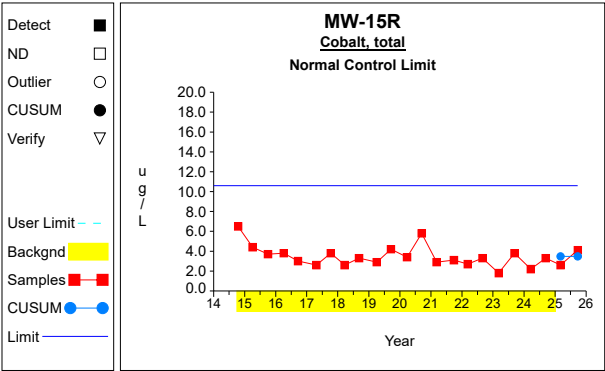
Graph 19



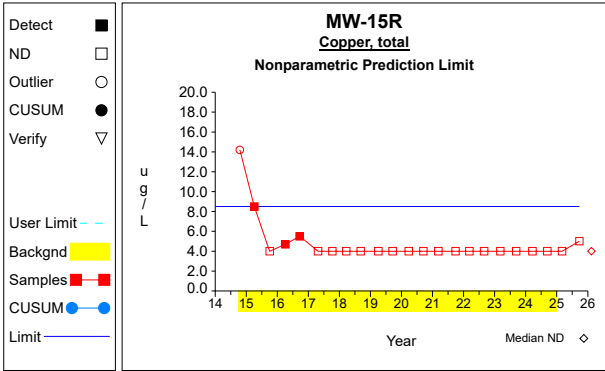
Graph 20



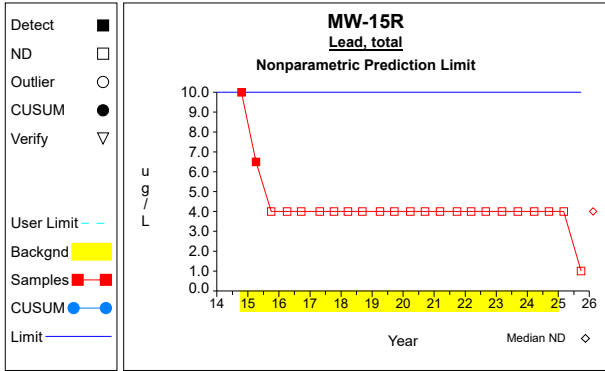
Graph 21



Graph 22

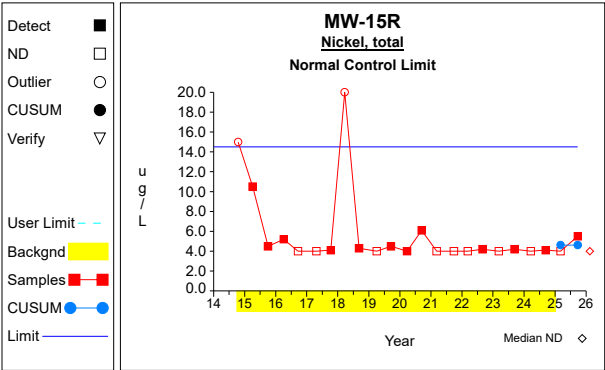


Graph 23

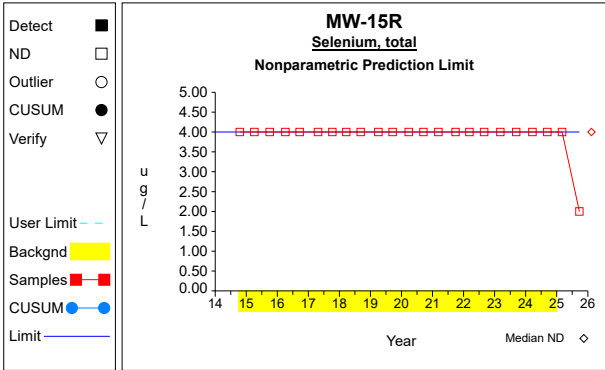


Graph 24

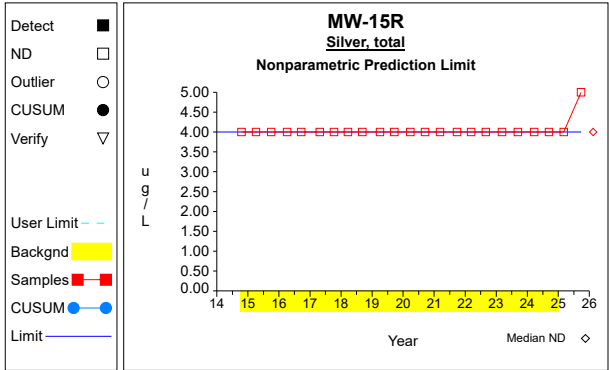
Intra-Well Control Charts / Prediction Limits



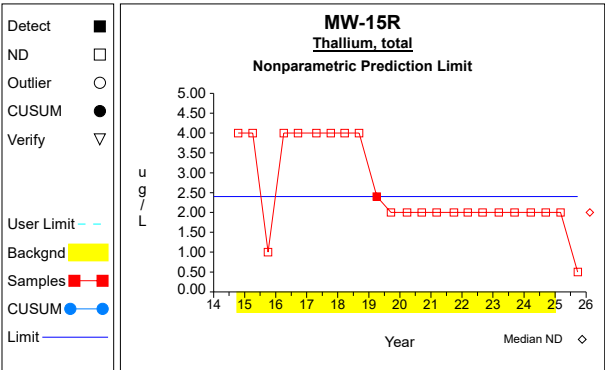
Graph 25



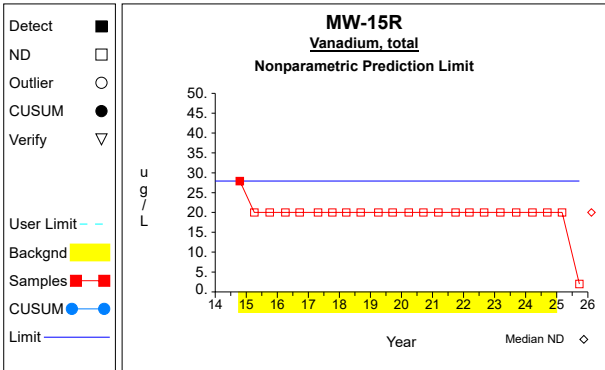
Graph 26



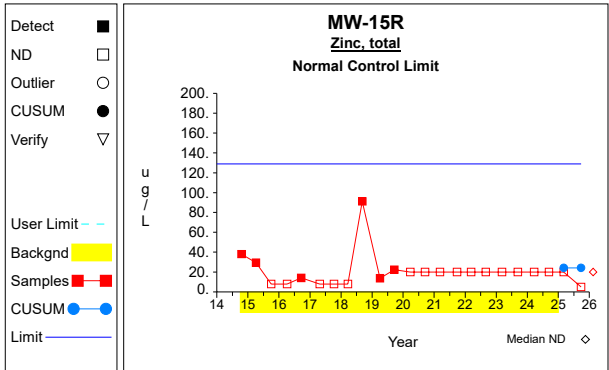
Graph 27



Graph 28

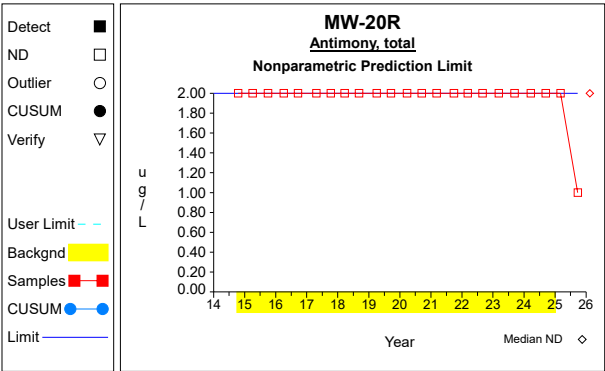


Graph 29

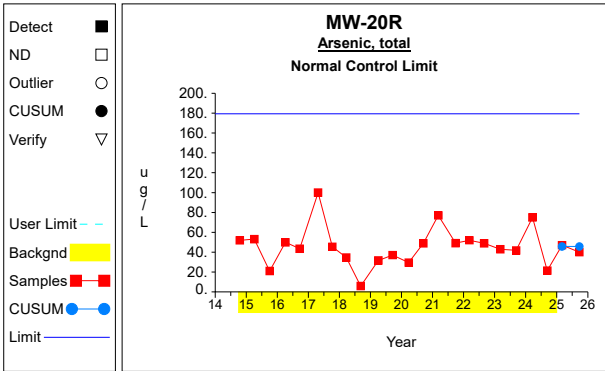


Graph 30

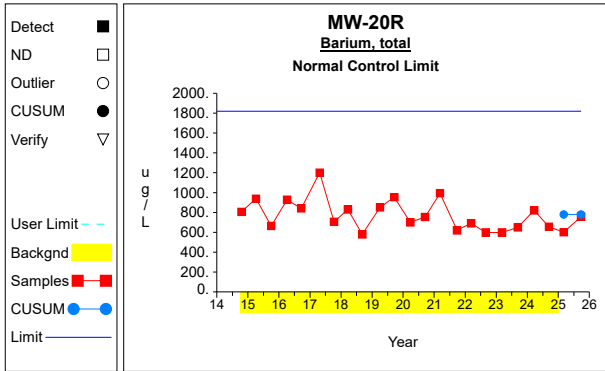
Intra-Well Control Charts / Prediction Limits



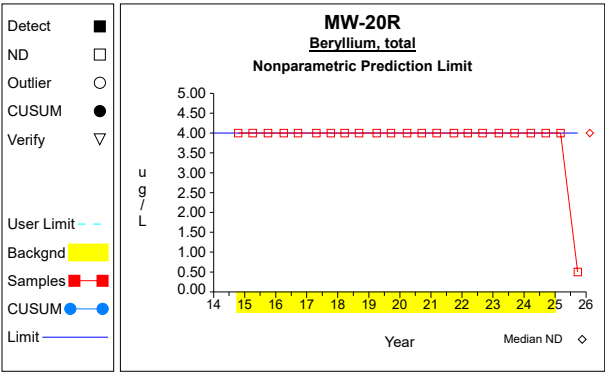
Graph 31



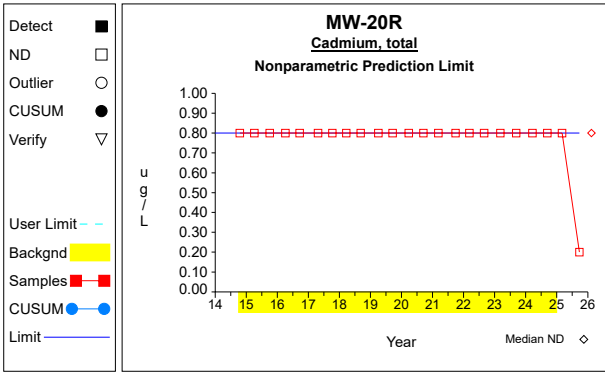
Graph 32



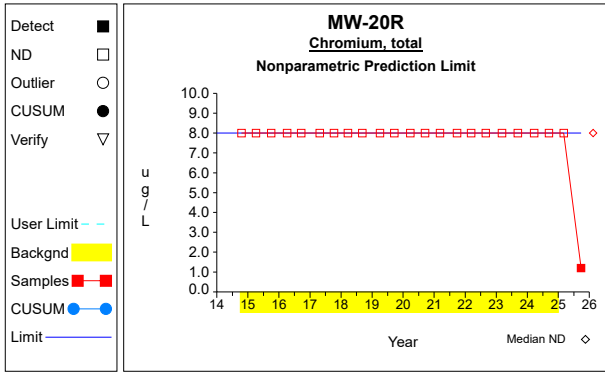
Graph 33



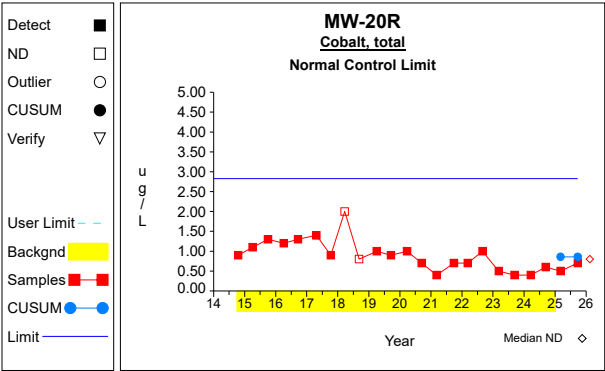
Graph 34



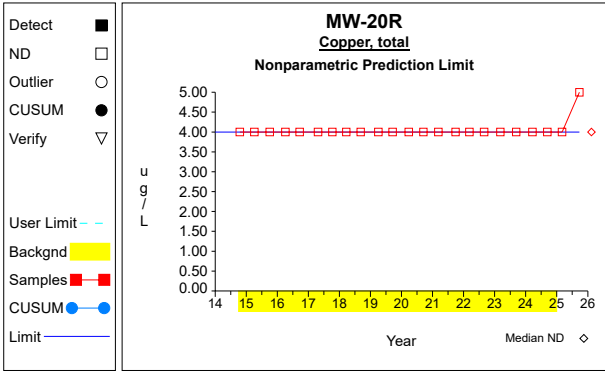
Graph 35



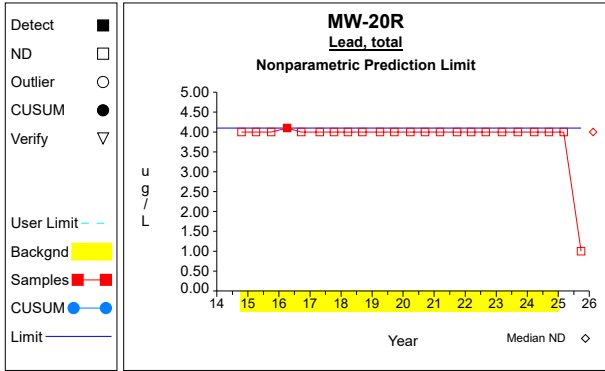
Graph 36



Graph 37

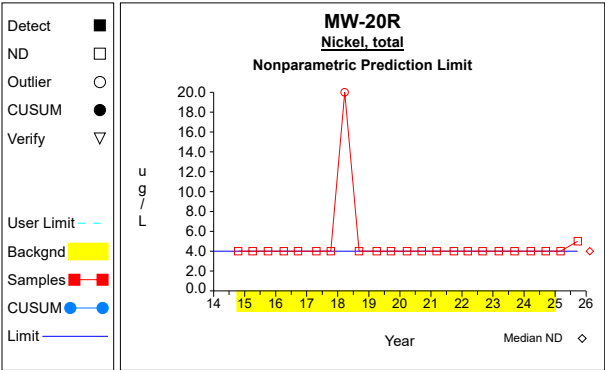


Graph 38

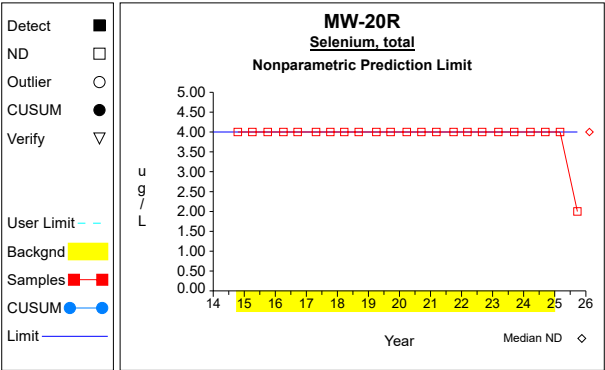


Graph 39

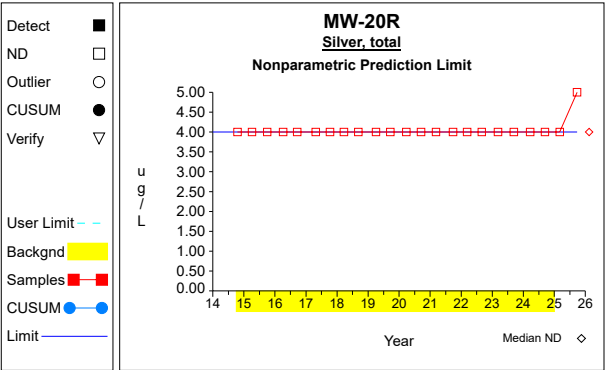
Intra-Well Control Charts / Prediction Limits



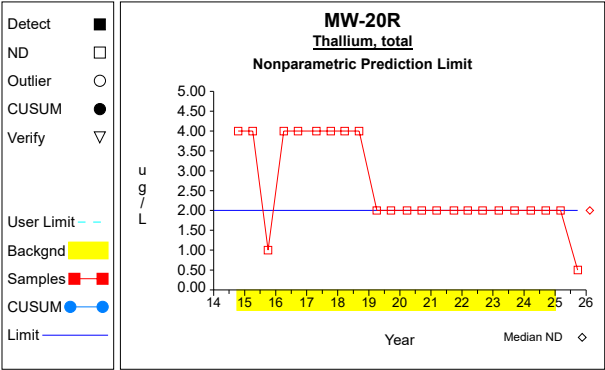
Graph 40



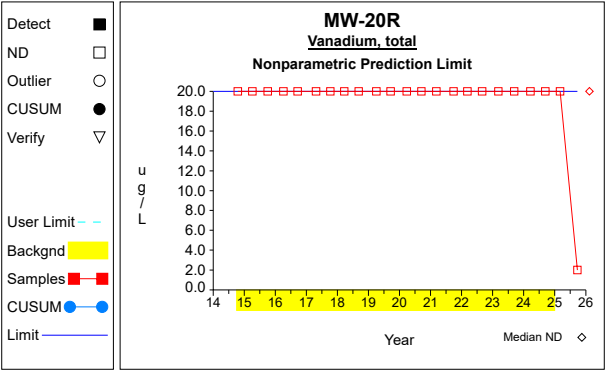
Graph 41



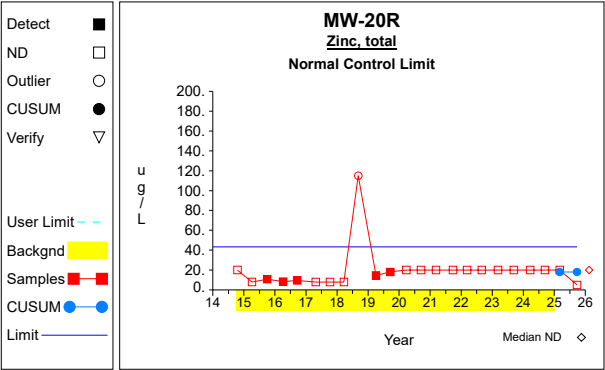
Graph 42



Graph 43

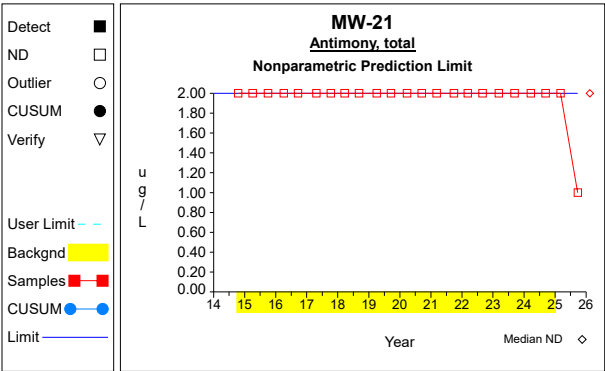


Graph 44

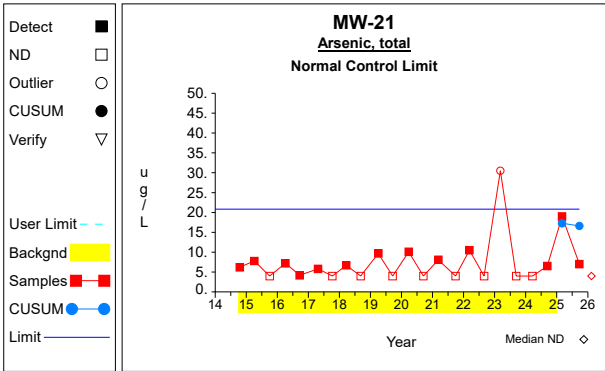


Graph 45

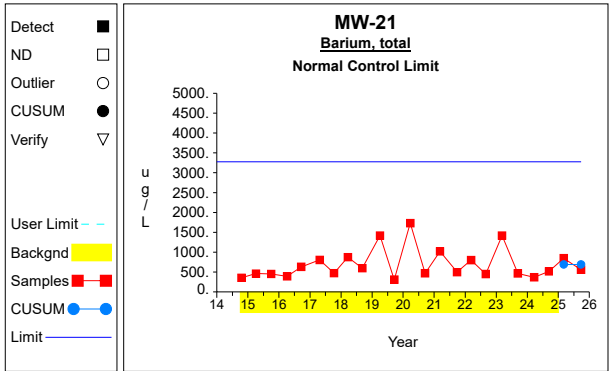
Intra-Well Control Charts / Prediction Limits



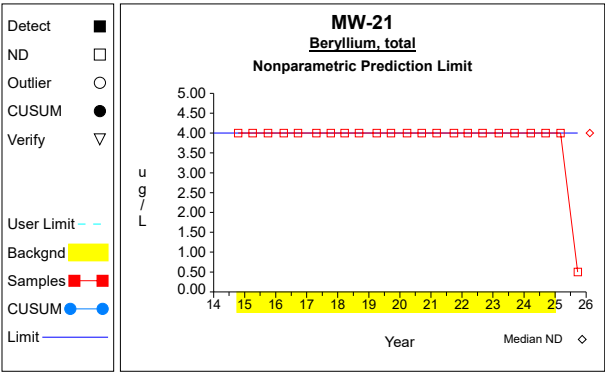
Graph 46



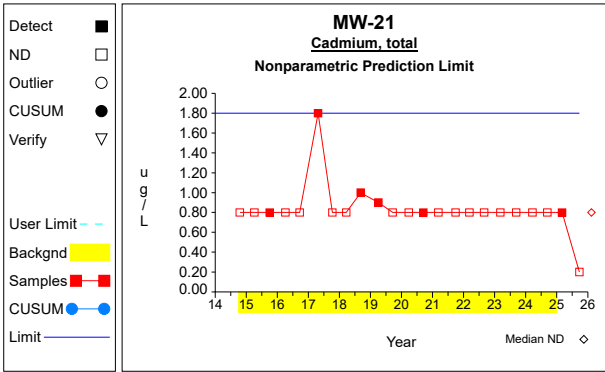
Graph 47



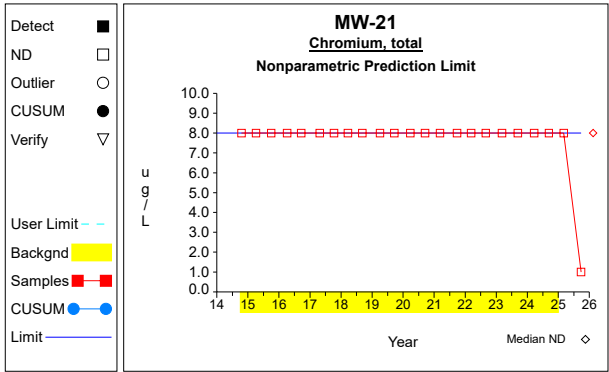
Graph 48



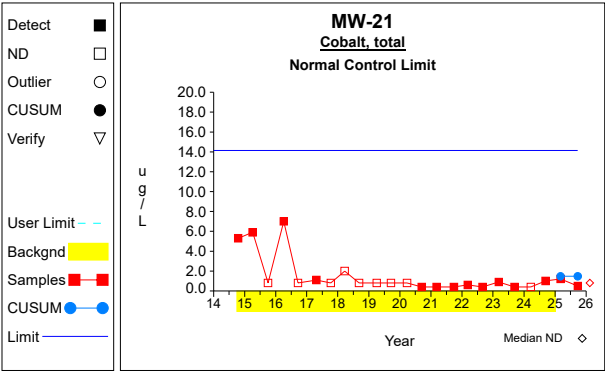
Graph 49



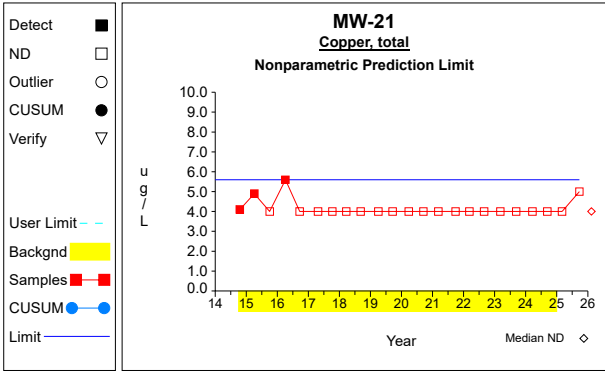
Graph 50



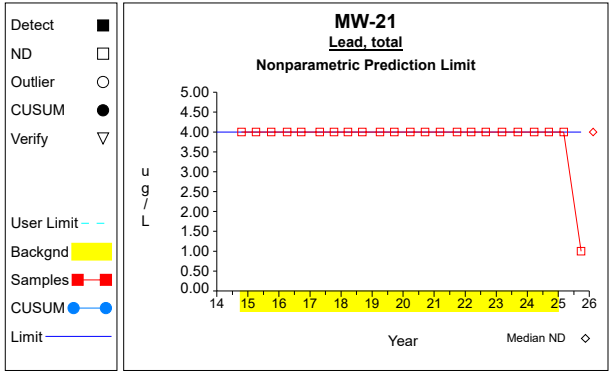
Graph 51



Graph 52

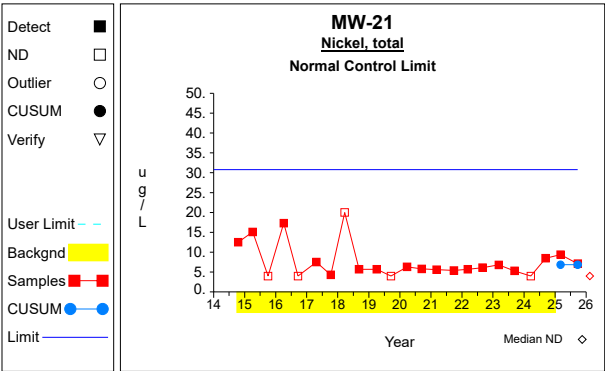


Graph 53

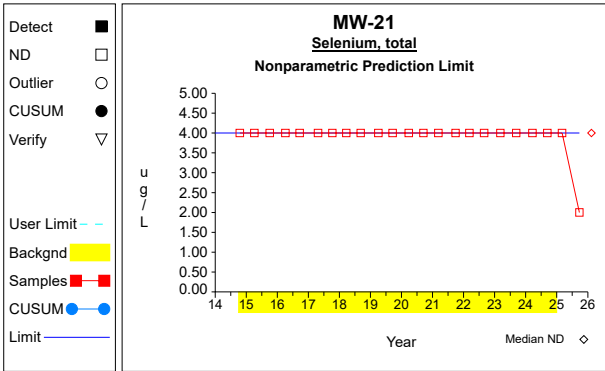


Graph 54

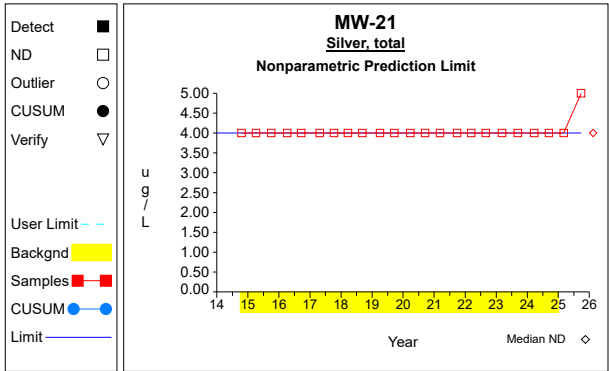
Intra-Well Control Charts / Prediction Limits



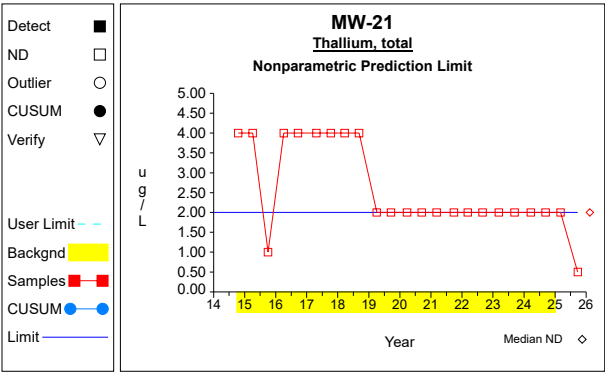
Graph 55



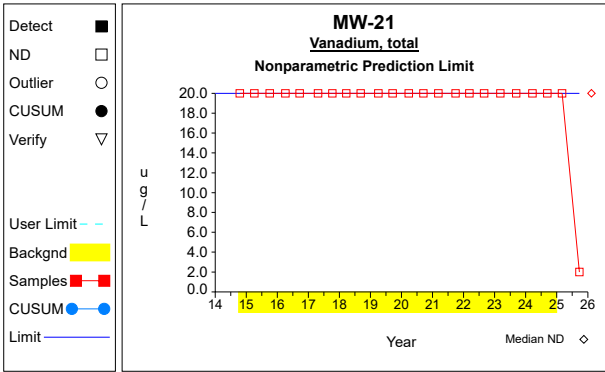
Graph 56



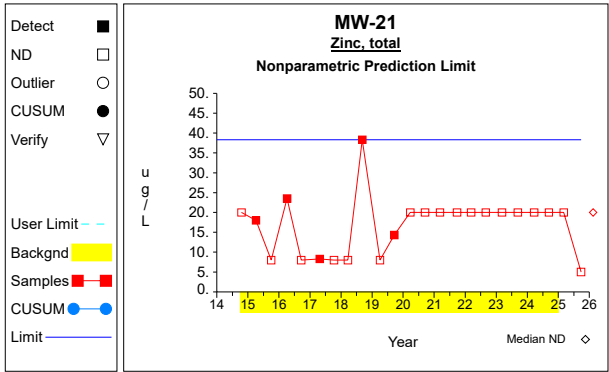
Graph 57



Graph 58

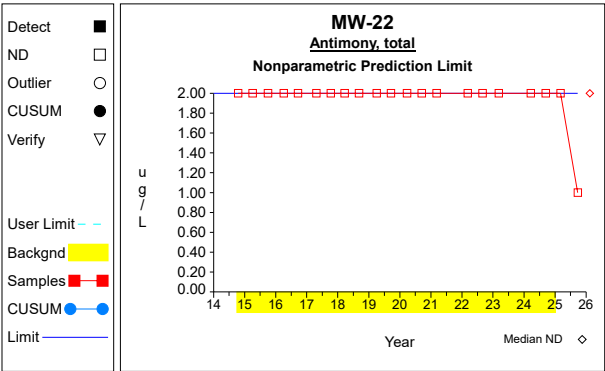


Graph 59

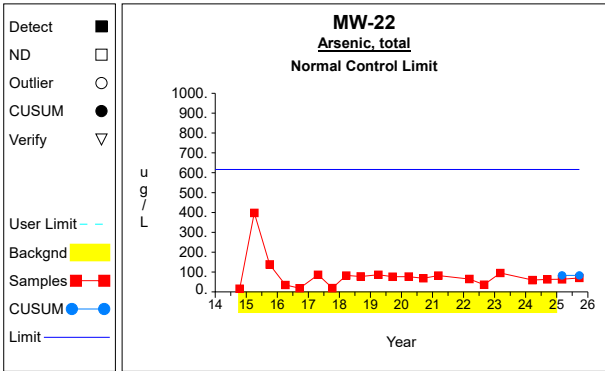


Graph 60

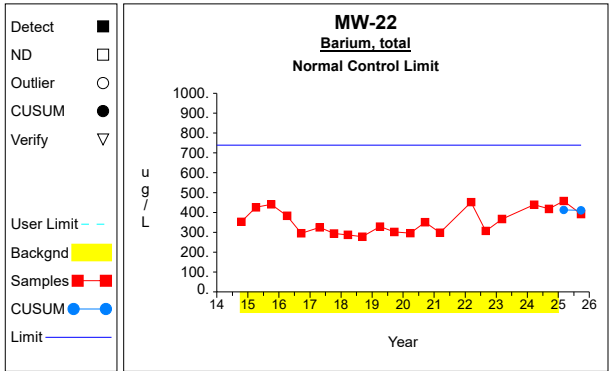
Intra-Well Control Charts / Prediction Limits



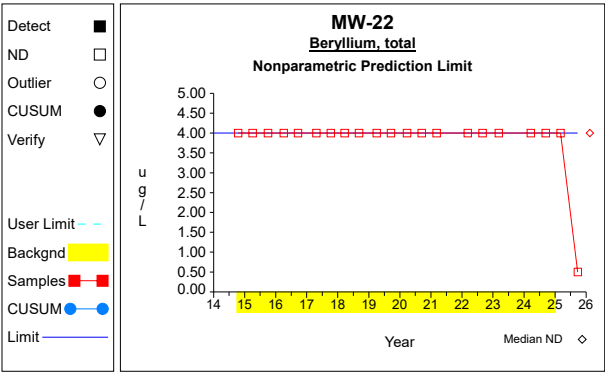
Graph 61



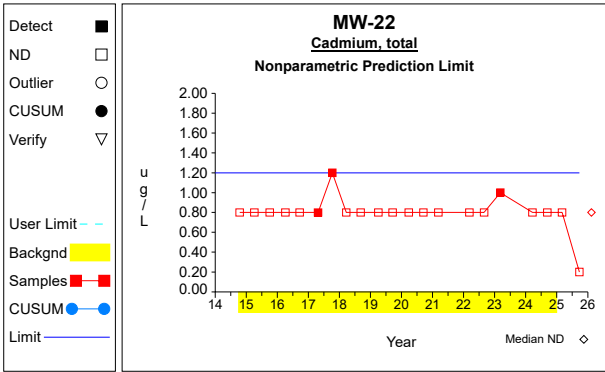
Graph 62



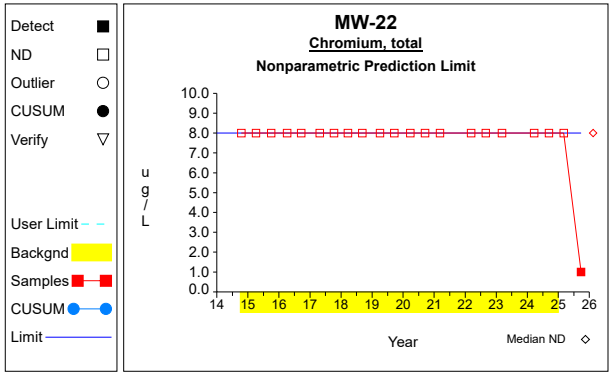
Graph 63



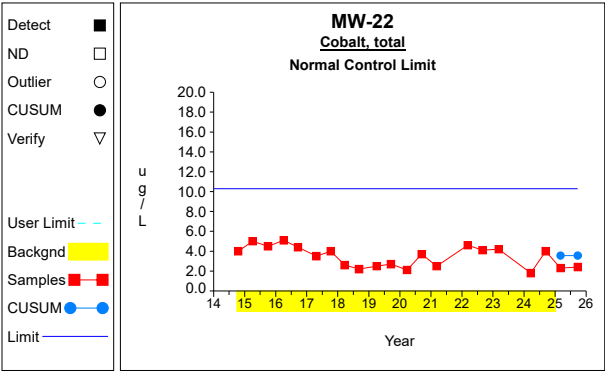
Graph 64



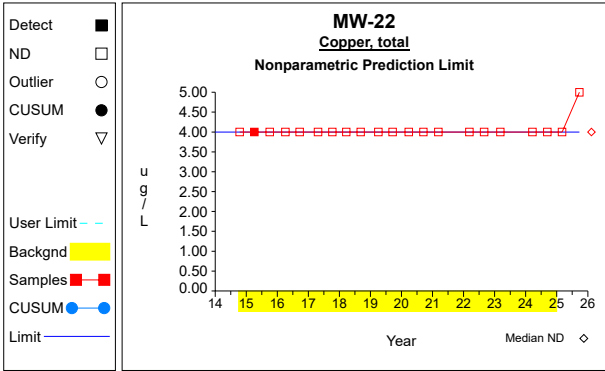
Graph 65



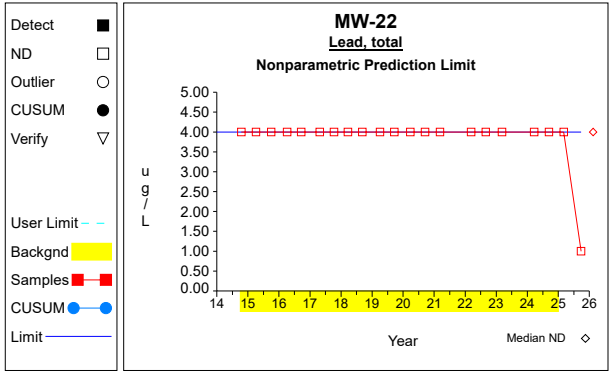
Graph 66



Graph 67

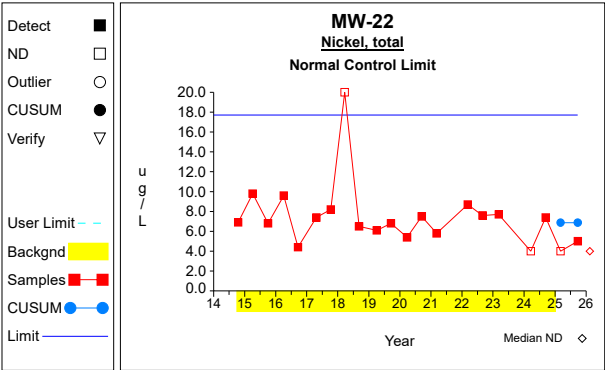


Graph 68

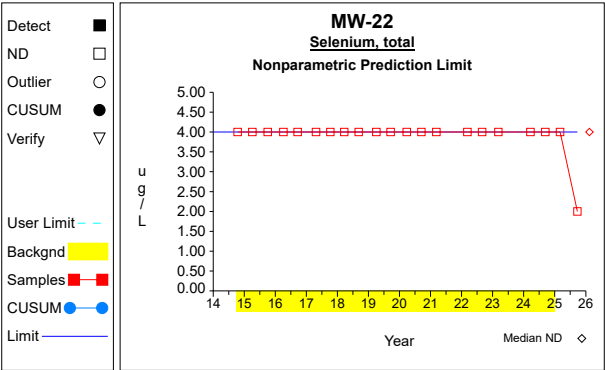


Graph 69

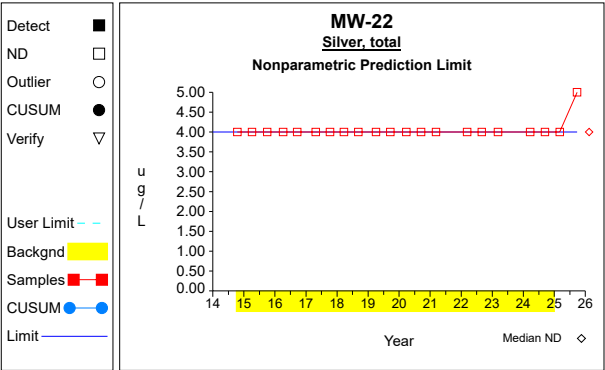
Intra-Well Control Charts / Prediction Limits



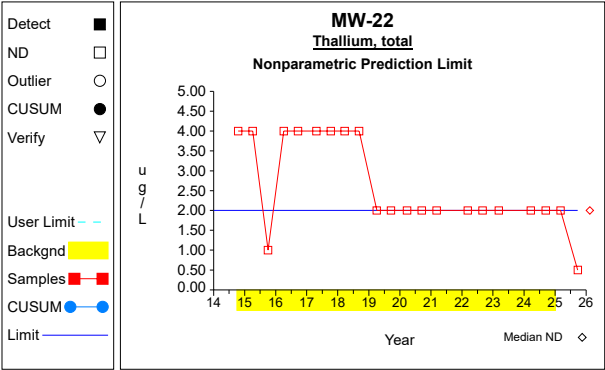
Graph 70



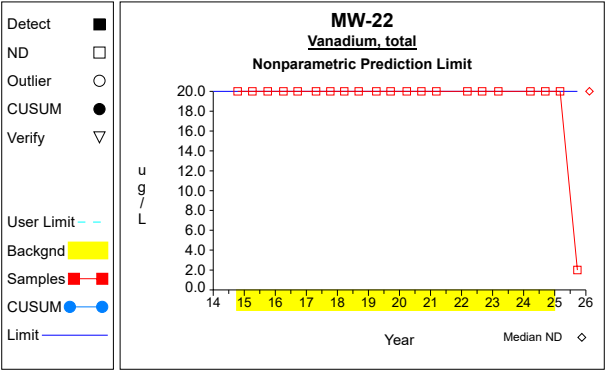
Graph 71



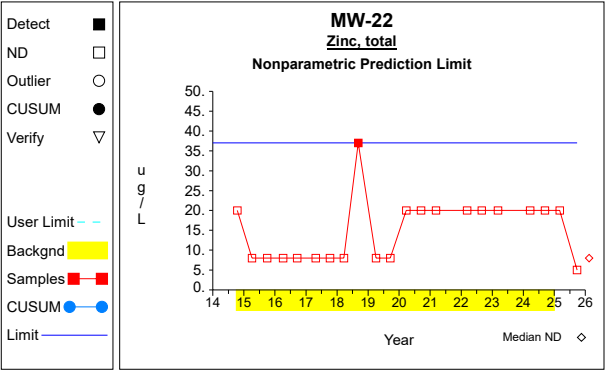
Graph 72



Graph 73

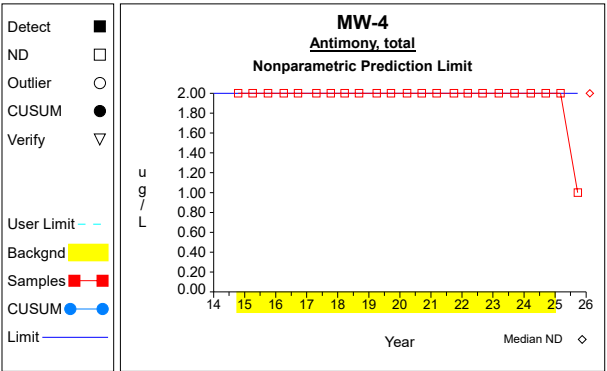


Graph 74

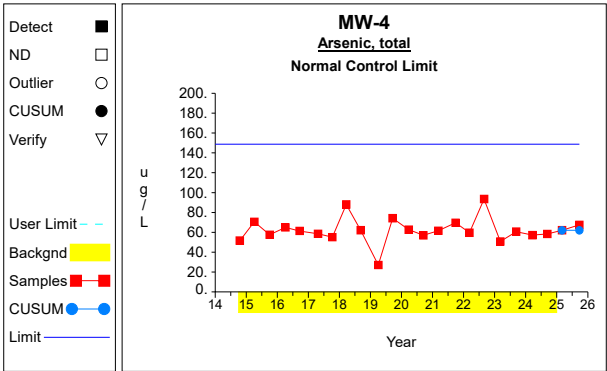


Graph 75

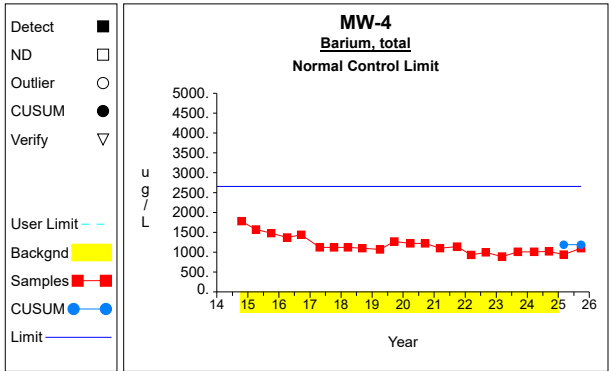
Intra-Well Control Charts / Prediction Limits



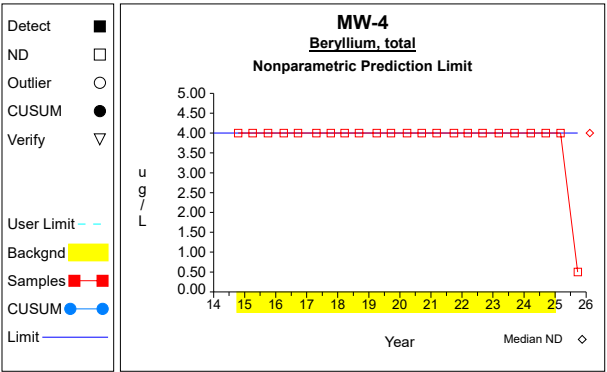
Graph 76



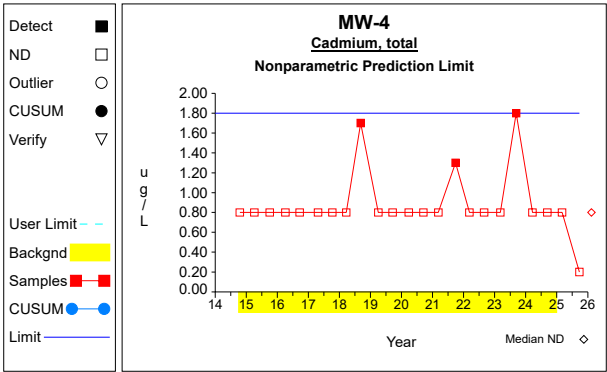
Graph 77



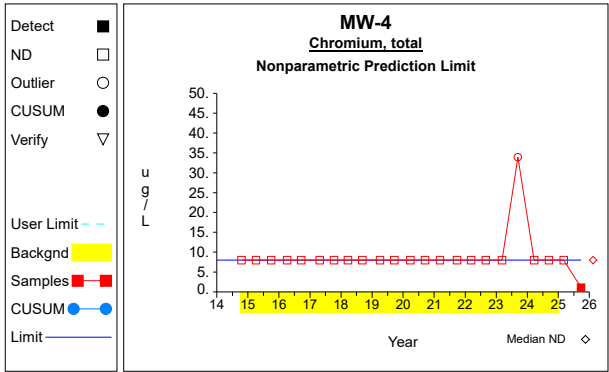
Graph 78



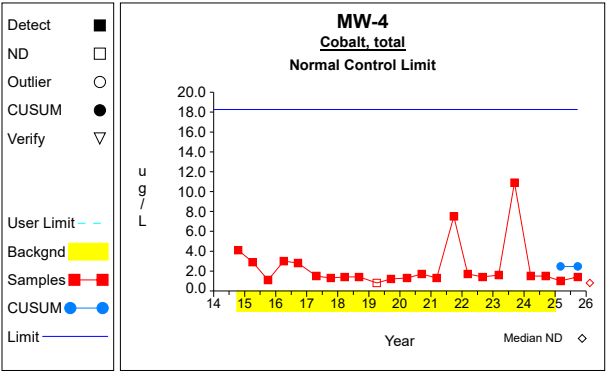
Graph 79



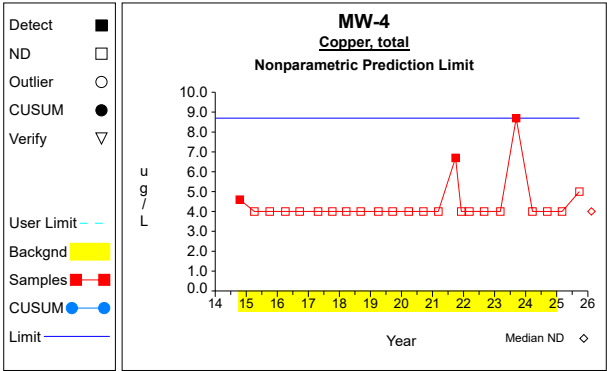
Graph 80



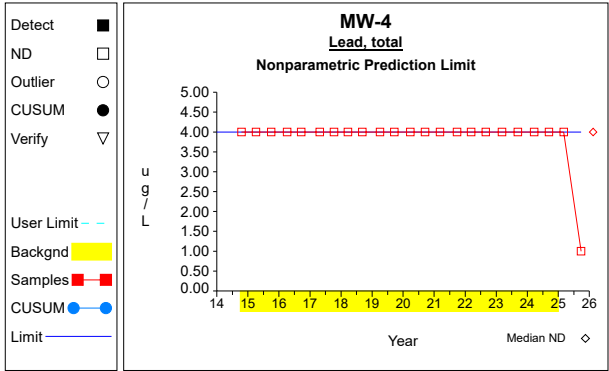
Graph 81



Graph 82

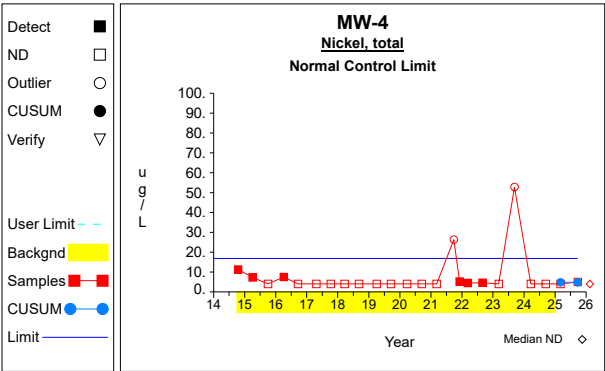


Graph 83

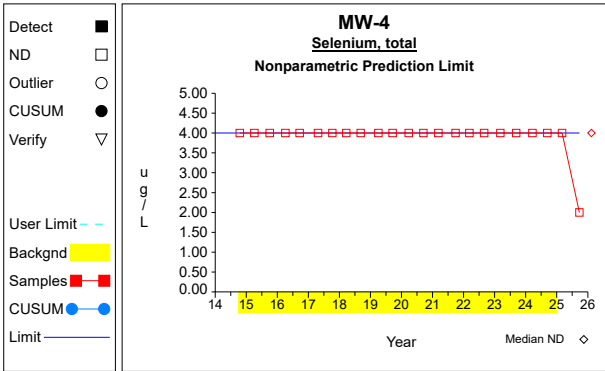


Graph 84

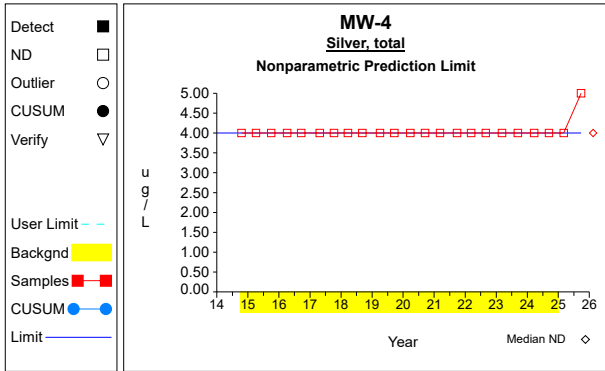
Intra-Well Control Charts / Prediction Limits



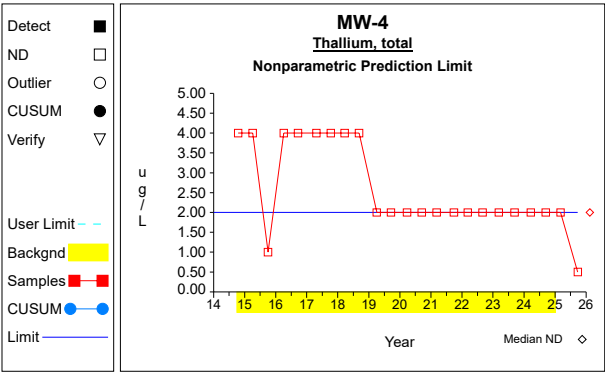
Graph 85



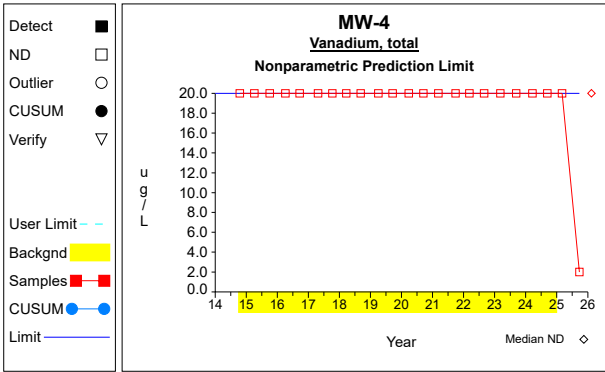
Graph 86



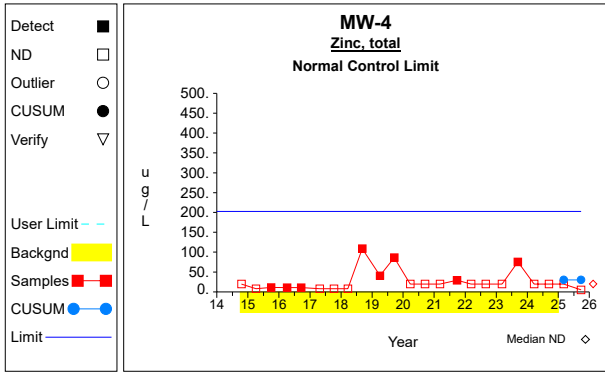
Graph 87



Graph 88

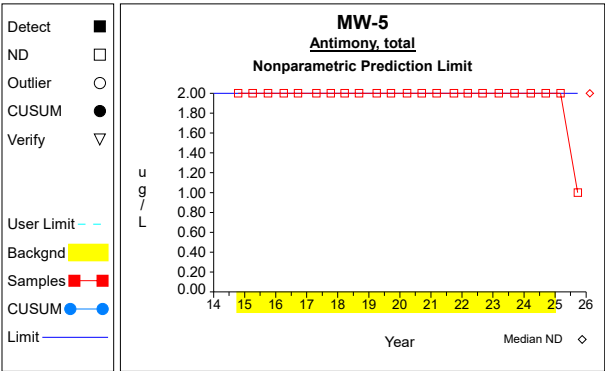


Graph 89

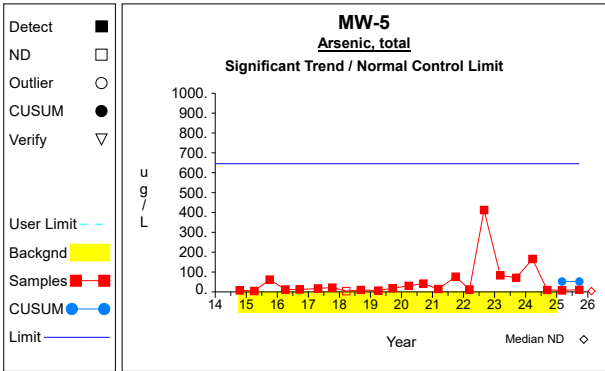


Graph 90

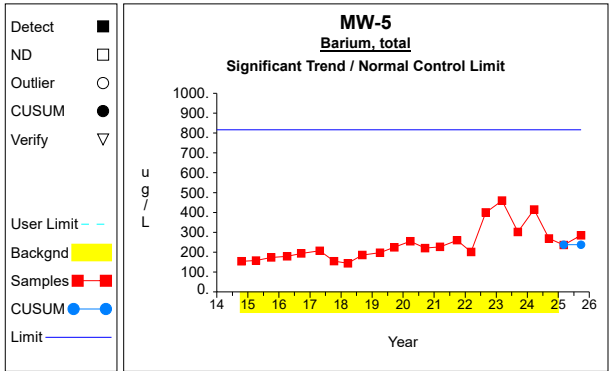
Intra-Well Control Charts / Prediction Limits



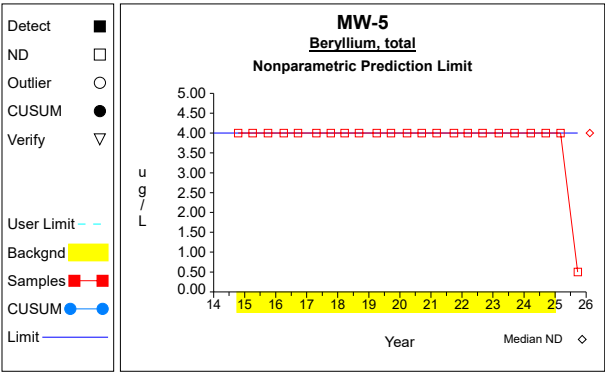
Graph 91



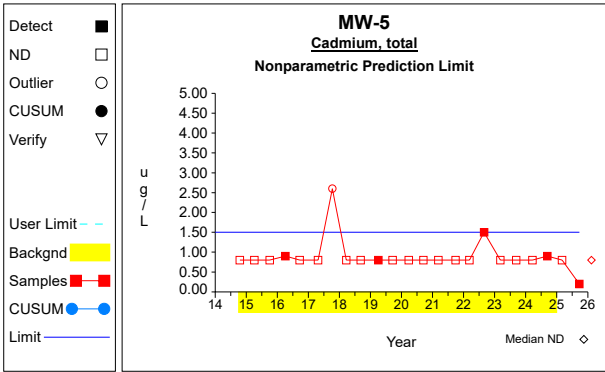
Graph 92



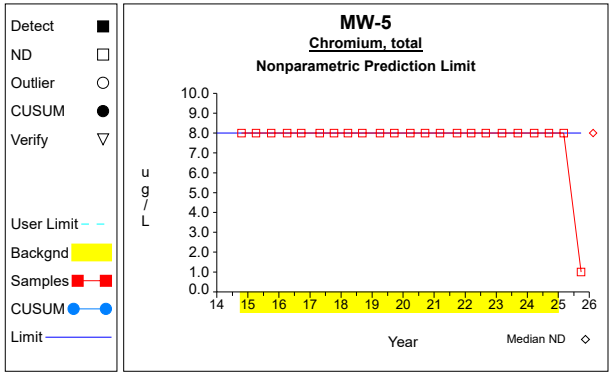
Graph 93



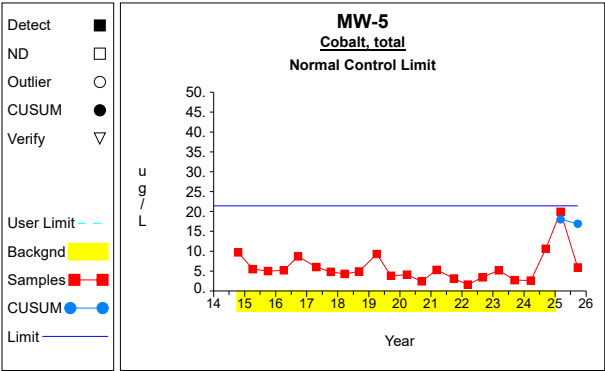
Graph 94



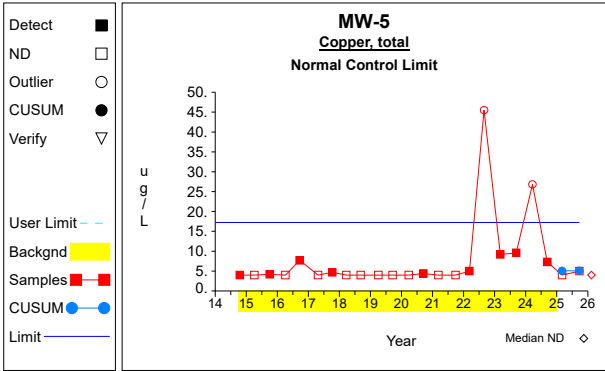
Graph 95



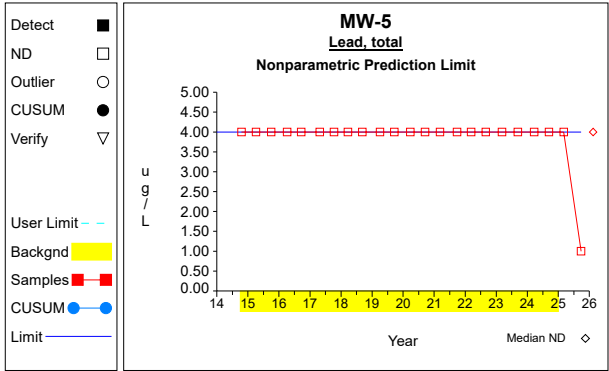
Graph 96



Graph 97

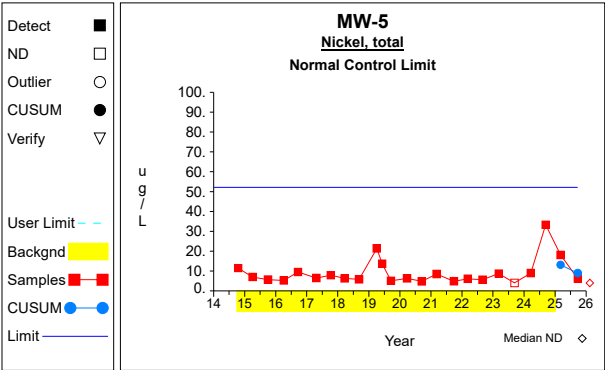


Graph 98

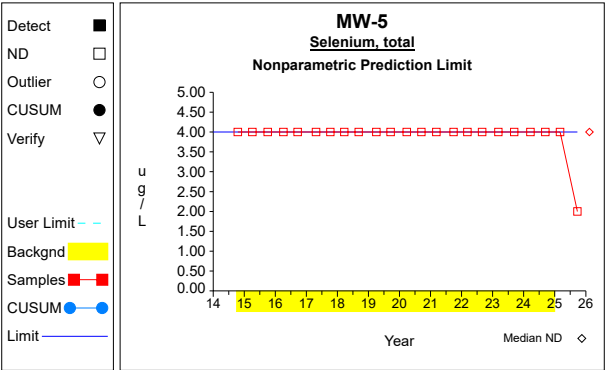


Graph 99

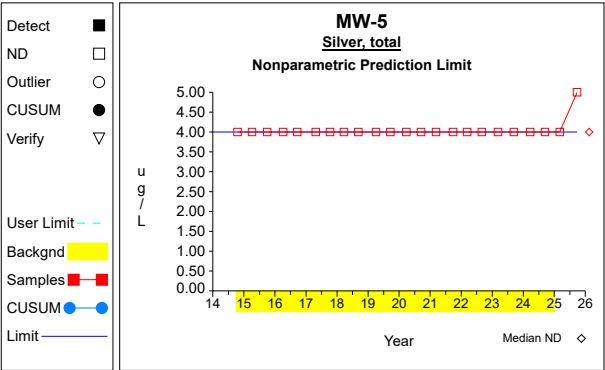
Intra-Well Control Charts / Prediction Limits



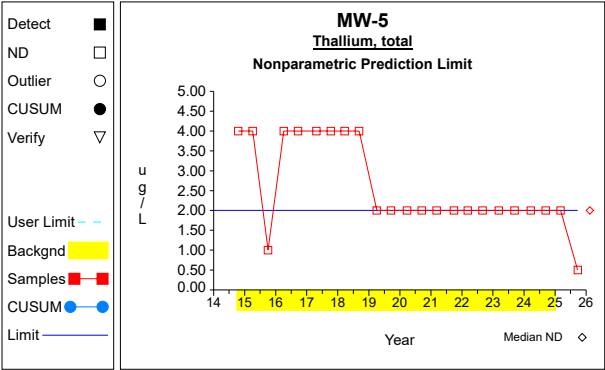
Graph 100



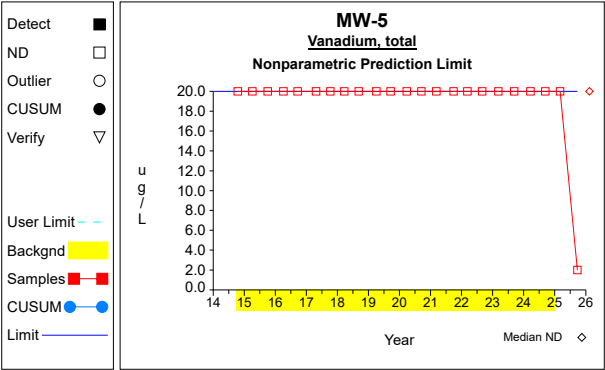
Graph 101



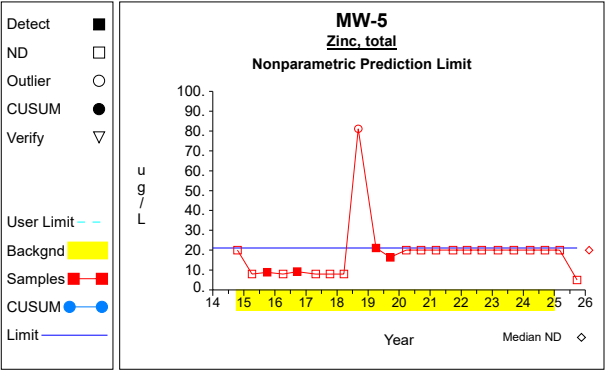
Graph 102



Graph 103



Graph 104



Graph 105

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

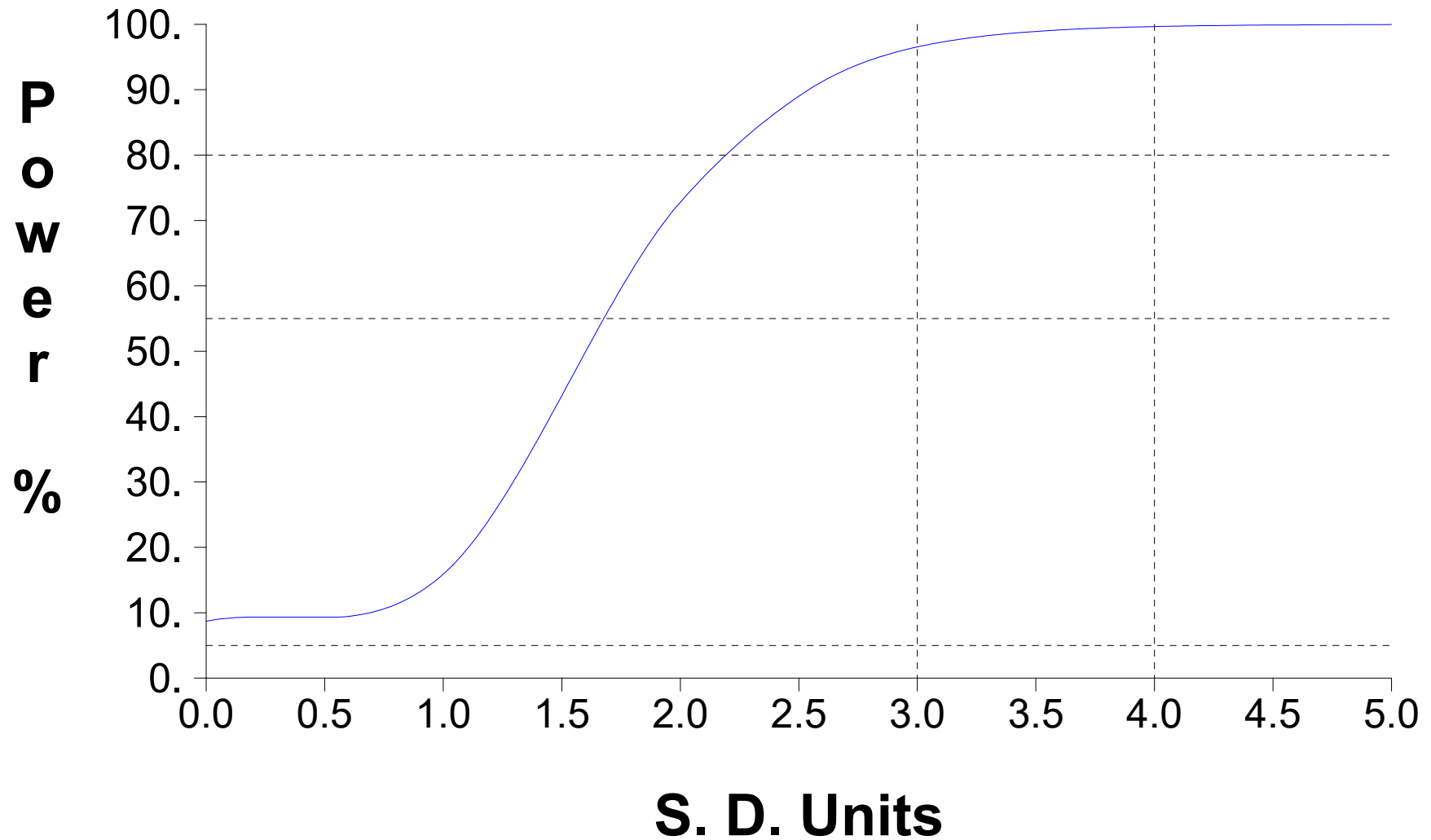


Table 4

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

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Zinc, total	ug/L	MW-12	09/07/2018	98.8000		10/16/2014-09/12/2024	21	0.5263
Copper, total	ug/L	MW-15R	10/16/2014	14.2000		10/16/2014-09/12/2024	21	0.5263
Nickel, total	ug/L	MW-15R	10/16/2014	15.0000		10/16/2014-09/12/2024	21	0.5381
Nickel, total	ug/L	MW-15R	03/21/2018	20.0000	< 20.0000	10/16/2014-09/12/2024	21	0.5381
Nickel, total	ug/L	MW-20R	03/21/2018	20.0000	< 20.0000	10/16/2014-09/12/2024	21	0.5263
Zinc, total	ug/L	MW-20R	09/07/2018	115.0000		10/16/2014-09/12/2024	21	0.5263
Arsenic, total	ug/L	MW-21	03/07/2023	30.5000		10/16/2014-09/11/2024	21	0.5263
Chromium, total	ug/L	MW-4	09/11/2023	33.9000		10/16/2014-09/12/2024	21	0.5263
Nickel, total	ug/L	MW-4	09/28/2021	26.4000		10/16/2014-09/12/2024	22	0.5263
Nickel, total	ug/L	MW-4	09/11/2023	52.8000		10/16/2014-09/12/2024	22	0.5263
Cadmium, total	ug/L	MW-5	10/09/2017	2.6000		10/16/2014-09/12/2024	21	0.5263
Copper, total	ug/L	MW-5	08/30/2022	45.5000		10/16/2014-09/12/2024	21	0.5381
Copper, total	ug/L	MW-5	03/20/2024	26.8000		10/16/2014-09/12/2024	21	0.5381
Zinc, total	ug/L	MW-5	09/07/2018	81.1000		10/16/2014-09/12/2024	21	0.5263

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.

Attachment E

Summary Table of Historical VOC Detections

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
2-butanone (mek)	GWD-1	4/09/2012		37.6	5.0	ug/L
Chloroethane	GWD-1	9/15/2020		1.6	1.0	ug/L
Methane	GWD-1	4/26/2013		1030	68	ug/L
Trichlorofluoromethane	GWD-1	9/21/2011		4.1	1.0	ug/L
Vinyl chloride	GWD-1	3/07/2023		1.3	1.0	ug/L
Vinyl chloride	GWD-1	5/09/2023		1.5	1.0	ug/L
Vinyl chloride	GWD-1	6/07/2023		1.2	1.0	ug/L
Trichloroethylene	MW-10	7/07/1993		3.3	1.0	ug/L
Trichloroethylene	MW-10	10/12/1993		2.7	1.0	ug/L
Trichloroethylene	MW-10	1/24/1994		2.5	1.0	ug/L
Trichloroethylene	MW-10	4/26/1994		2.3	1.0	ug/L
Trichloroethylene	MW-10	7/26/1994		2.5	1.0	ug/L
1,1-dichloroethane	MW-12	6/23/2008		1.0	1.0	ug/L
1,1-dichloroethane	MW-12	12/13/2008		1.2	1.0	ug/L
1,1-dichloroethane	MW-12	9/17/2009		1.0	1.0	ug/L
Acetone	MW-12	10/09/2017		12.9	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-12	4/05/2010		9	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-12	9/20/2016		10	8	ug/L
Chloroethane	MW-12	4/23/2008		1.5	1.0	ug/L
Chloroethane	MW-12	6/23/2008		2.1	1.0	ug/L
Chloroethane	MW-12	12/13/2008		2.4	1.0	ug/L
Chloroethane	MW-12	3/04/2009		1.0	1.0	ug/L
Chloroethane	MW-12	11/06/2009		1.0	1.0	ug/L
Chloroethane	MW-12	4/05/2010		1.5	1.0	ug/L
Chloroethane	MW-12	9/15/2020		1.5	1.0	ug/L
Chloroethane	MW-12	9/25/2025		1.0	1.0	ug/L
Methane	MW-12	4/26/2013		3180	77	ug/L
Tetrachloro-m-xylene	MW-12	4/05/2010		.81	.01	ug/L
Acetone	MW-15R	4/26/2013		49.1	10.0	ug/L
Acetone	MW-15R	10/09/2017		10.4	10.0	ug/L
Chloromethane	MW-15R	10/09/2017		2	1	ug/L
Dichlorodifluoromethane	MW-15R	4/04/2016		1	1	ug/L
Toluene	MW-15R	4/26/2013		7	1	ug/L
2-butanone (mek)	MW-16	9/18/2019		35	5	ug/L
Acetone	MW-16	4/23/2008		40.6	10.0	ug/L
Acetone	MW-16	6/23/2008		15.4	10.0	ug/L
Acetone	MW-16	8/13/2008		149.0	10.0	ug/L
Acetone	MW-16	10/02/2008		77.3	10.0	ug/L
Acetone	MW-16	12/13/2008		91.6	10.0	ug/L
Acetone	MW-16	3/04/2009		47.2	10.0	ug/L
Acetone	MW-16	9/17/2009		170.0	10.0	ug/L
Acetone	MW-16	11/06/2009		89.9	10.0	ug/L
Acetone	MW-16	4/05/2010		164.0	10.0	ug/L
Acetone	MW-16	10/08/2010		45.8	10.0	ug/L
Acetone	MW-16	4/13/2011		72.1	10.0	ug/L
Acetone	MW-16	9/22/2011		107.0	10.0	ug/L
Acetone	MW-16	4/09/2012		27.0	10.0	ug/L
Acetone	MW-16	9/26/2013		26.0	10.0	ug/L
Acetone	MW-16	4/10/2014		61.5	10.0	ug/L
Acetone	MW-16	10/16/2014		124.0	10.0	ug/L
Acetone	MW-16	4/04/2015		14.1	10.0	ug/L
Acetone	MW-16	10/01/2015		13.1	10.0	ug/L
Acetone	MW-16	9/20/2016		26.8	10.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Acetone	MW-16	4/24/2017		134.0	10.0	ug/L
Acetone	MW-16	10/09/2017		17.0	10.0	ug/L
Acetone	MW-16	3/21/2018		24.5	10.0	ug/L
Acetone	MW-16	9/07/2018		72.3	10.0	ug/L
Acetone	MW-16	4/02/2019		34.2	10.0	ug/L
Acetone	MW-16	9/18/2019		196.0	50.0	ug/L
Acetone	MW-16	3/25/2020		51.2	10.0	ug/L
Acetone	MW-16	9/15/2020		109.0	10.0	ug/L
Acetone	MW-16	3/08/2021		1140.0	50.0	ug/L
Benzene	MW-16	4/05/2010		1.1	1.0	ug/L
Benzene	MW-16	9/22/2011		1.2	1.0	ug/L
Chloroethane	MW-16	4/23/2008		2.0	1.0	ug/L
Chloroethane	MW-16	6/23/2008		1.7	1.0	ug/L
Chloroethane	MW-16	8/13/2008		2.0	1.0	ug/L
Chloroethane	MW-16	12/13/2008		1.8	1.0	ug/L
Chloroethane	MW-16	3/04/2009		1.3	1.0	ug/L
Chloroethane	MW-16	11/06/2009		2.2	1.0	ug/L
Chloroethane	MW-16	4/05/2010		2.1	1.0	ug/L
Chloroethane	MW-16	9/22/2011		2.3	1.0	ug/L
Chloroethane	MW-16	4/09/2012		1.1	1.0	ug/L
Chloroethane	MW-16	4/10/2014		1.0	1.0	ug/L
Chloroethane	MW-16	4/04/2016		1.0	1.0	ug/L
Chloromethane	MW-16	10/09/2017		2.3	1.0	ug/L
Dichlorodifluoromethane	MW-16	4/05/2010		1.2	1.0	ug/L
Dichlorodifluoromethane	MW-16	9/22/2011		1.0	1.0	ug/L
Dichlorodifluoromethane	MW-16	4/09/2012		1.2	1.0	ug/L
Dichlorodifluoromethane	MW-16	9/26/2013		1.2	1.0	ug/L
Dichlorodifluoromethane	MW-16	4/04/2016		1.0	1.0	ug/L
Methane	MW-16	4/09/2012		3150	63	ug/L
Methane	MW-16	4/26/2013		6450	485	ug/L
Tetrachloro-m-xylene	MW-16	4/05/2010		.831	.010	ug/L
Vinyl chloride	MW-16	4/23/2008		2.9	1.0	ug/L
Vinyl chloride	MW-16	6/23/2008		2.5	1.0	ug/L
Vinyl chloride	MW-16	8/13/2008		2.5	1.0	ug/L
Vinyl chloride	MW-16	10/02/2008		2.5	1.0	ug/L
Vinyl chloride	MW-16	12/13/2008		2.8	1.0	ug/L
Vinyl chloride	MW-16	3/04/2009		1.8	1.0	ug/L
Vinyl chloride	MW-16	11/06/2009		2.0	1.0	ug/L
Vinyl chloride	MW-16	4/05/2010		2.9	1.0	ug/L
Vinyl chloride	MW-16	10/08/2010		3.0	1.0	ug/L
Vinyl chloride	MW-16	4/13/2011		2.3	1.0	ug/L
Vinyl chloride	MW-16	9/22/2011		1.4	1.0	ug/L
Vinyl chloride	MW-16	4/09/2012		1.0	1.0	ug/L
Vinyl chloride	MW-16	9/05/2012		1.4	1.0	ug/L
Vinyl chloride	MW-16	9/26/2013		1.1	1.0	ug/L
Methane	MW-17	4/09/2012		37	7	ug/L
Acetone	MW-18	4/14/2011		26.2	10.0	ug/L
Acetone	MW-18	4/26/2013		17.2	10.0	ug/L
Acetone	MW-18	9/26/2013		10.3	10.0	ug/L
Acetone	MW-18	9/20/2016		11.7	10.0	ug/L
Acetone	MW-18	10/09/2017		16.8	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-20R	4/04/2016		25	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-20R	9/07/2018		7	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
Methane	MW-20R	4/26/2013		3100	93	ug/L
Chloroethane	MW-21	4/05/2010		2.1	1.0	ug/L
Chloroethane	MW-21	5/24/2010		1.3	1.0	ug/L
Chloroethane	MW-21	4/14/2011		2.5	1.0	ug/L
Chloroethane	MW-21	9/21/2011		2.0	1.0	ug/L
Chloroethane	MW-21	4/09/2012		2.2	1.0	ug/L
Chloroethane	MW-21	9/05/2012		1.4	1.0	ug/L
Chloroethane	MW-21	9/26/2013		1.4	1.0	ug/L
Chloroethane	MW-21	4/10/2014		1.2	1.0	ug/L
Chloroethane	MW-21	10/16/2014		1.4	1.0	ug/L
Chloroethane	MW-21	4/04/2015		1.1	1.0	ug/L
Chloroethane	MW-21	10/01/2015		1.7	1.0	ug/L
Chloroethane	MW-21	4/04/2016		2.4	1.0	ug/L
Chloroethane	MW-21	9/20/2016		1.4	1.0	ug/L
Chloroethane	MW-21	4/24/2017		2.6	1.0	ug/L
Chloroethane	MW-21	10/09/2017		1.0	1.0	ug/L
Chloroethane	MW-21	9/07/2018		1.6	1.0	ug/L
Chloroethane	MW-21	4/02/2019		1.8	1.0	ug/L
Chloroethane	MW-21	9/18/2019		1.7	1.0	ug/L
Chloroethane	MW-21	3/25/2020		1.2	1.0	ug/L
Chloroethane	MW-21	3/08/2021		1.3	1.0	ug/L
Chloroethane	MW-21	3/08/2022		1.0	1.0	ug/L
Chloroethane	MW-21	3/07/2023		1.4	1.0	ug/L
Chloromethane	MW-21	4/05/2010		2.7	1.0	ug/L
Chloromethane	MW-21	4/26/2013		1.4	1.0	ug/L
Chloromethane	MW-21	3/03/2025		1.1	1.0	ug/L
Dichlorodifluoromethane	MW-21	4/04/2016		1	1	ug/L
Acetone	MW-22	11/06/2009		14.9	10.0	ug/L
Acetone	MW-22	9/26/2013		10.1	10.0	ug/L
Acetone	MW-22	10/09/2017		14.6	10.0	ug/L
Benzene	MW-22	11/06/2009		1.8	1.0	ug/L
Benzene	MW-22	5/24/2010		1.4	1.0	ug/L
Benzene	MW-22	8/16/2010		2.0	1.0	ug/L
Benzene	MW-22	4/14/2011		1.7	1.0	ug/L
Benzene	MW-22	9/22/2011		1.6	1.0	ug/L
Benzene	MW-22	4/09/2012		2.2	1.0	ug/L
Benzene	MW-22	4/26/2013		1.3	1.0	ug/L
Benzene	MW-22	9/26/2013		1.2	1.0	ug/L
Benzene	MW-22	4/04/2015		1.6	1.0	ug/L
Benzene	MW-22	4/24/2017		1.7	1.0	ug/L
Benzene	MW-22	3/21/2018		2.3	1.0	ug/L
Benzene	MW-22	9/07/2018		1.5	1.0	ug/L
Benzene	MW-22	4/02/2019		2.2	1.0	ug/L
Benzene	MW-22	9/18/2019		2.3	1.0	ug/L
Benzene	MW-22	3/25/2020		2.4	1.0	ug/L
Benzene	MW-22	9/15/2020		1.5	1.0	ug/L
Benzene	MW-22	3/08/2021		1.4	1.0	ug/L
Benzene	MW-22	3/08/2022		1.0	1.0	ug/L
Benzene	MW-22	3/07/2023		2.0	1.0	ug/L
Benzene	MW-22	9/25/2025		1.5	1.0	ug/L
Bromomethane	MW-22	10/15/2014		2.4	1.0	ug/L
Chloroethane	MW-22	11/06/2009		5.4	1.0	ug/L
Chloroethane	MW-22	4/05/2010		5.4	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chloroethane	MW-22	5/24/2010		4.6	1.0	ug/L
Chloroethane	MW-22	8/16/2010		4.2	1.0	ug/L
Chloroethane	MW-22	4/14/2011		3.8	1.0	ug/L
Chloroethane	MW-22	9/22/2011		2.7	1.0	ug/L
Chloroethane	MW-22	4/09/2012		3.3	1.0	ug/L
Chloroethane	MW-22	9/26/2013		1.4	1.0	ug/L
Chloroethane	MW-22	10/15/2014		1.0	1.0	ug/L
Chloroethane	MW-22	4/04/2015		1.1	1.0	ug/L
Chloroethane	MW-22	4/24/2017		1.5	1.0	ug/L
Chloroethane	MW-22	9/15/2020		1.7	1.0	ug/L
Chloroethane	MW-22	3/08/2021		1.2	1.0	ug/L
Chloromethane	MW-22	4/26/2013		1.1	1.0	ug/L
Hexachlorobenzene	MW-22	3/08/2021		.08	.05	ug/L
Methane	MW-22	4/09/2012		5380	114	ug/L
Methane	MW-22	4/26/2013		1460	93	ug/L
Methyl iodide	MW-22	10/15/2014		11.8	1.0	ug/L
Toluene	MW-22	4/24/2017		1.2	1.0	ug/L
Toluene	MW-22	3/21/2018		1.5	1.0	ug/L
Vinyl chloride	MW-22	11/06/2009		5.2	1.0	ug/L
Vinyl chloride	MW-22	4/05/2010		2.0	1.0	ug/L
Vinyl chloride	MW-22	5/24/2010		3.8	1.0	ug/L
Vinyl chloride	MW-22	10/08/2010		6.6	1.0	ug/L
Vinyl chloride	MW-22	4/14/2011		4.1	1.0	ug/L
Vinyl chloride	MW-22	9/22/2011		3.2	1.0	ug/L
Vinyl chloride	MW-22	4/09/2012		4.7	1.0	ug/L
Vinyl chloride	MW-22	9/26/2013		1.7	1.0	ug/L
Vinyl chloride	MW-22	4/04/2015		1.6	1.0	ug/L
Vinyl chloride	MW-22	10/01/2015		1.0	1.0	ug/L
Vinyl chloride	MW-22	4/24/2017		2.9	1.0	ug/L
Vinyl chloride	MW-22	9/07/2018		1.5	1.0	ug/L
Vinyl chloride	MW-22	4/02/2019		1.4	1.0	ug/L
Vinyl chloride	MW-22	9/18/2019		1.8	1.0	ug/L
Vinyl chloride	MW-22	3/25/2020		1.8	1.0	ug/L
Vinyl chloride	MW-22	9/15/2020		1.3	1.0	ug/L
Vinyl chloride	MW-22	3/08/2021		1.1	1.0	ug/L
Vinyl chloride	MW-22	3/07/2023		1.3	1.0	ug/L
1,1-dichloroethane	MW-23	9/21/2011		3.5	1.0	ug/L
1,1-dichloroethane	MW-23	9/05/2012		1.7	1.0	ug/L
Chloroethane	MW-23	9/21/2011		1.8	1.0	ug/L
Acetone	MW-24	4/26/2013		100.0	10.0	ug/L
Acetone	MW-24	10/16/2014		58.4	10.0	ug/L
Acetone	MW-24	3/25/2020		13.8	10.0	ug/L
Acetone	MW-24	3/08/2021		62.4	10.0	ug/L
Chloroethane	MW-26	4/24/2017		1.6	1.0	ug/L
1,1-dichloroethane	MW-4	4/23/2008		1.2	1.0	ug/L
1,1-dichloroethane	MW-4	12/13/2008		1.3	1.0	ug/L
1,1-dichloroethane	MW-4	9/17/2009		1.2	1.0	ug/L
1,1-dichloroethane	MW-4	4/05/2010		1.0	1.0	ug/L
1,1-dichloroethane	MW-4	4/04/2016		1.0	1.0	ug/L
1,1-dichloroethane	MW-4	4/24/2017		1.7	1.0	ug/L
1,1-dichloroethane	MW-4	10/09/2017		2.6	1.0	ug/L
1,1-dichloroethane	MW-4	3/21/2018		2.6	1.0	ug/L
1,1-dichloroethane	MW-4	9/15/2020		1.9	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,1-dichloroethane	MW-4	9/28/2021		1.1	1.0	ug/L
1,2-dichloroethane	MW-4	7/07/1993		7.3	1.0	ug/L
1,2-dichloroethane	MW-4	10/12/1993		3.7	1.0	ug/L
1,2-dichloroethane	MW-4	1/24/1994		2.4	1.0	ug/L
1,2-dichloroethane	MW-4	10/13/1994		4.0	1.0	ug/L
1,2-dichloroethane	MW-4	4/25/1995		1.6	1.0	ug/L
1,2-dichloroethane	MW-4	10/18/1995		3.3	1.0	ug/L
1,2-dichloroethane	MW-4	7/31/1996		2.7	1.0	ug/L
1,2-dichloroethane	MW-4	10/09/1996		2.0	1.0	ug/L
1,2-dichloroethane	MW-4	4/23/2008		1.0	1.0	ug/L
1,2-dichloropropane	MW-4	10/16/2014		1.2	1.0	ug/L
1,2-dichloropropane	MW-4	9/18/2019		1.6	1.0	ug/L
1,2-dichloropropane	MW-4	9/28/2021		1.4	1.0	ug/L
1,2-dichloropropane	MW-4	3/07/2023		1.1	1.0	ug/L
1,2-dichloropropane	MW-4	9/11/2023		1.0	1.0	ug/L
1,4-dichlorobenzene	MW-4	7/07/1993		1.6	1.0	ug/L
1,4-dichlorobenzene	MW-4	10/12/1993		1.1	1.0	ug/L
1,4-dichlorobenzene	MW-4	4/23/2008		8.7	1.0	ug/L
1,4-dichlorobenzene	MW-4	6/23/2008		6.9	1.0	ug/L
1,4-dichlorobenzene	MW-4	8/13/2008		4.9	1.0	ug/L
1,4-dichlorobenzene	MW-4	10/02/2008		5.7	1.0	ug/L
1,4-dichlorobenzene	MW-4	12/13/2008		7.1	1.0	ug/L
1,4-dichlorobenzene	MW-4	3/04/2009		5.5	1.0	ug/L
1,4-dichlorobenzene	MW-4	9/17/2009		6.0	1.0	ug/L
1,4-dichlorobenzene	MW-4	11/06/2009		5.3	1.0	ug/L
1,4-dichlorobenzene	MW-4	4/05/2010		7.2	1.0	ug/L
1,4-dichlorobenzene	MW-4	10/08/2010		3.9	1.0	ug/L
1,4-dichlorobenzene	MW-4	4/13/2011		7.2	1.0	ug/L
1,4-dichlorobenzene	MW-4	9/22/2011		5.5	1.0	ug/L
1,4-dichlorobenzene	MW-4	4/09/2012		5.2	1.0	ug/L
1,4-dichlorobenzene	MW-4	9/05/2012		9.8	1.0	ug/L
1,4-dichlorobenzene	MW-4	4/26/2013		5.0	1.0	ug/L
1,4-dichlorobenzene	MW-4	4/10/2014		7.5	1.0	ug/L
1,4-dichlorobenzene	MW-4	10/16/2014		6.8	1.0	ug/L
1,4-dichlorobenzene	MW-4	4/04/2015		5.1	1.0	ug/L
1,4-dichlorobenzene	MW-4	10/01/2015		3.9	1.0	ug/L
1,4-dichlorobenzene	MW-4	4/04/2016		5.3	1.0	ug/L
1,4-dichlorobenzene	MW-4	9/20/2016		3.5	1.0	ug/L
1,4-dichlorobenzene	MW-4	4/24/2017		5.0	1.0	ug/L
1,4-dichlorobenzene	MW-4	10/09/2017		6.5	1.0	ug/L
1,4-dichlorobenzene	MW-4	3/21/2018		6.3	1.0	ug/L
1,4-dichlorobenzene	MW-4	9/07/2018		4.9	1.0	ug/L
1,4-dichlorobenzene	MW-4	4/02/2019		10.4	1.0	ug/L
1,4-dichlorobenzene	MW-4	9/18/2019		7.5	1.0	ug/L
1,4-dichlorobenzene	MW-4	9/15/2020		6.2	1.0	ug/L
1,4-dichlorobenzene	MW-4	3/08/2021		6.3	1.0	ug/L
1,4-dichlorobenzene	MW-4	9/28/2021		6.0	1.0	ug/L
1,4-dichlorobenzene	MW-4	3/08/2022		5.8	1.0	ug/L
1,4-dichlorobenzene	MW-4	8/30/2022		4.6	1.0	ug/L
1,4-dichlorobenzene	MW-4	3/07/2023		5.7	1.0	ug/L
1,4-dichlorobenzene	MW-4	9/11/2023		7.4	1.0	ug/L
1,4-dichlorobenzene	MW-4	3/20/2024		6.0	1.0	ug/L
1,4-dichlorobenzene	MW-4	9/12/2024		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
1,4-dichlorobenzene	MW-4	3/03/2025		5.3	1.0	ug/L
1,4-dichlorobenzene	MW-4	9/25/2025		5.7	1.0	ug/L
Acetone	MW-4	4/23/2008		12.5	10.0	ug/L
Acetone	MW-4	9/17/2009		36.7	10.0	ug/L
Acetone	MW-4	11/06/2009		19.7	10.0	ug/L
Acetone	MW-4	4/05/2010		146.0	10.0	ug/L
Acetone	MW-4	4/13/2011		29.0	10.0	ug/L
Acetone	MW-4	4/09/2012		25.9	10.0	ug/L
Acetone	MW-4	9/05/2012		209.0	10.0	ug/L
Acetone	MW-4	4/10/2014		11.0	10.0	ug/L
Acetone	MW-4	10/09/2017		11.2	10.0	ug/L
Acetone	MW-4	9/28/2021		43.4	10.0	ug/L
Benzene	MW-4	7/07/1993		5.2	1.0	ug/L
Benzene	MW-4	10/12/1993		3.9	1.0	ug/L
Benzene	MW-4	1/24/1994		2.5	1.0	ug/L
Benzene	MW-4	4/26/1994		2.1	1.0	ug/L
Benzene	MW-4	7/26/1994		2.4	1.0	ug/L
Benzene	MW-4	10/13/1994		9.1	1.0	ug/L
Benzene	MW-4	4/25/1995		3.0	1.0	ug/L
Benzene	MW-4	10/18/1995		8.5	1.0	ug/L
Benzene	MW-4	2/08/1996		9.6	1.0	ug/L
Benzene	MW-4	4/26/1996		5.9	1.0	ug/L
Benzene	MW-4	7/31/1996		7.5	1.0	ug/L
Benzene	MW-4	10/09/1996		7.5	1.0	ug/L
Benzene	MW-4	9/26/1997		3.2	1.0	ug/L
Benzene	MW-4	4/23/1998		2.6	1.0	ug/L
Benzene	MW-4	9/16/1998		3.7	1.0	ug/L
Benzene	MW-4	3/30/1999		3.1	1.0	ug/L
Benzene	MW-4	10/07/1999		3.1	1.0	ug/L
Benzene	MW-4	4/13/2000		1.9	1.0	ug/L
Benzene	MW-4	4/05/2001		7.4	1.0	ug/L
Benzene	MW-4	8/28/2001		2.3	1.0	ug/L
Benzene	MW-4	3/29/2002		2.7	1.0	ug/L
Benzene	MW-4	4/15/2003		1.0	1.0	ug/L
Benzene	MW-4	4/03/2004		1.1	1.0	ug/L
Benzene	MW-4	9/29/2004		1.7	1.0	ug/L
Benzene	MW-4	4/09/2005		1.3	1.0	ug/L
Benzene	MW-4	4/09/2006		1.2	1.0	ug/L
Benzene	MW-4	9/18/2006		3.3	1.0	ug/L
Benzene	MW-4	4/21/2007		4.4	1.0	ug/L
Benzene	MW-4	9/20/2007		5.8	1.0	ug/L
Benzene	MW-4	4/23/2008		4.8	1.0	ug/L
Benzene	MW-4	6/23/2008		4.3	1.0	ug/L
Benzene	MW-4	8/13/2008		3.9	1.0	ug/L
Benzene	MW-4	10/02/2008		4.8	1.0	ug/L
Benzene	MW-4	12/13/2008		4.1	1.0	ug/L
Benzene	MW-4	3/04/2009		3.0	1.0	ug/L
Benzene	MW-4	9/17/2009		4.0	1.0	ug/L
Benzene	MW-4	11/06/2009		3.2	1.0	ug/L
Benzene	MW-4	4/05/2010		4.4	1.0	ug/L
Benzene	MW-4	10/08/2010		2.7	1.0	ug/L
Benzene	MW-4	4/13/2011		3.3	1.0	ug/L
Benzene	MW-4	9/22/2011		2.6	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Benzene	MW-4	4/09/2012		1.7	1.0	ug/L
Benzene	MW-4	9/05/2012		2.2	1.0	ug/L
Benzene	MW-4	4/26/2013		1.3	1.0	ug/L
Benzene	MW-4	4/10/2014		1.5	1.0	ug/L
Benzene	MW-4	10/16/2014		2.4	1.0	ug/L
Benzene	MW-4	4/04/2015		1.6	1.0	ug/L
Benzene	MW-4	10/01/2015		1.3	1.0	ug/L
Benzene	MW-4	4/04/2016		1.4	1.0	ug/L
Benzene	MW-4	9/20/2016		1.2	1.0	ug/L
Benzene	MW-4	4/24/2017		1.2	1.0	ug/L
Benzene	MW-4	10/09/2017		1.3	1.0	ug/L
Benzene	MW-4	3/21/2018		1.5	1.0	ug/L
Benzene	MW-4	4/02/2019		1.0	1.0	ug/L
Benzene	MW-4	3/25/2020		1.2	1.0	ug/L
Benzene	MW-4	9/15/2020		1.3	1.0	ug/L
Benzene	MW-4	3/08/2021		1.6	1.0	ug/L
Benzene	MW-4	9/28/2021		1.4	1.0	ug/L
Benzene	MW-4	3/08/2022		1.7	1.0	ug/L
Benzene	MW-4	8/30/2022		1.2	1.0	ug/L
Benzene	MW-4	3/07/2023		1.5	1.0	ug/L
Benzene	MW-4	9/11/2023		1.7	1.0	ug/L
Benzene	MW-4	3/20/2024		1.4	1.0	ug/L
Benzene	MW-4	9/12/2024		1.3	1.0	ug/L
Benzene	MW-4	3/03/2025		1.1	1.0	ug/L
Benzene	MW-4	9/25/2025		1.4	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-4	4/05/2010		11	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-4	9/20/2016		10	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-4	9/28/2021		12	6	ug/L
Chloroethane	MW-4	4/23/2008		6.9	1.0	ug/L
Chloroethane	MW-4	6/23/2008		5.8	1.0	ug/L
Chloroethane	MW-4	8/13/2008		5.2	1.0	ug/L
Chloroethane	MW-4	10/02/2008		6.9	1.0	ug/L
Chloroethane	MW-4	12/13/2008		4.6	1.0	ug/L
Chloroethane	MW-4	3/04/2009		3.4	1.0	ug/L
Chloroethane	MW-4	9/17/2009		6.3	1.0	ug/L
Chloroethane	MW-4	11/06/2009		3.7	1.0	ug/L
Chloroethane	MW-4	4/05/2010		5.4	1.0	ug/L
Chloroethane	MW-4	4/13/2011		3.4	1.0	ug/L
Chloroethane	MW-4	9/22/2011		3.9	1.0	ug/L
Chloroethane	MW-4	4/09/2012		2.1	1.0	ug/L
Chloroethane	MW-4	9/05/2012		4.4	1.0	ug/L
Chloroethane	MW-4	4/26/2013		2.0	1.0	ug/L
Chloroethane	MW-4	4/10/2014		2.4	1.0	ug/L
Chloroethane	MW-4	10/16/2014		4.7	1.0	ug/L
Chloroethane	MW-4	4/04/2015		2.1	1.0	ug/L
Chloroethane	MW-4	10/01/2015		3.0	1.0	ug/L
Chloroethane	MW-4	4/04/2016		3.1	1.0	ug/L
Chloroethane	MW-4	9/20/2016		3.9	1.0	ug/L
Chloroethane	MW-4	4/24/2017		2.3	1.0	ug/L
Chloroethane	MW-4	10/09/2017		3.0	1.0	ug/L
Chloroethane	MW-4	3/21/2018		2.4	1.0	ug/L
Chloroethane	MW-4	9/07/2018		2.5	1.0	ug/L
Chloroethane	MW-4	4/02/2019		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
Chloroethane	MW-4	9/18/2019		2.9	1.0	ug/L
Chloroethane	MW-4	3/25/2020		1.5	1.0	ug/L
Chloroethane	MW-4	9/15/2020		5.0	1.0	ug/L
Chloroethane	MW-4	3/08/2021		1.4	1.0	ug/L
Chloroethane	MW-4	9/28/2021		2.4	1.0	ug/L
Chloroethane	MW-4	3/08/2022		1.2	1.0	ug/L
Chloroethane	MW-4	8/30/2022		1.9	1.0	ug/L
Chloroethane	MW-4	3/07/2023		1.4	1.0	ug/L
Chloroethane	MW-4	9/11/2023		2.0	1.0	ug/L
Chloroethane	MW-4	3/20/2024		1.4	1.0	ug/L
Chloroethane	MW-4	9/12/2024		1.3	1.0	ug/L
Chloroethane	MW-4	9/25/2025		2.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	4/23/2008		32.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	6/23/2008		1.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	8/13/2008		1.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	12/13/2008		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	9/17/2009		6.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	11/06/2009		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	4/05/2010		6.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	10/08/2010		2.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	4/13/2011		1.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	9/22/2011		4.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	4/09/2012		3.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	9/05/2012		16.8	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	4/26/2013		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	10/16/2014		2.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	10/01/2015		2.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	9/20/2016		1.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	10/09/2017		2.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	9/18/2019		3.2	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	9/15/2020		1.6	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	9/28/2021		2.1	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	8/30/2022		4.5	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	9/11/2023		2.7	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	9/12/2024		2.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-4	9/25/2025		1.7	1.0	ug/L
Dichlorodifluoromethane	MW-4	9/22/2011		1.6	1.0	ug/L
Dichlorodifluoromethane	MW-4	4/09/2012		1.2	1.0	ug/L
Dichlorodifluoromethane	MW-4	9/05/2012		1.4	1.0	ug/L
Dichlorodifluoromethane	MW-4	4/26/2013		1.2	1.0	ug/L
Dichlorodifluoromethane	MW-4	4/10/2014		1.7	1.0	ug/L
Dichlorodifluoromethane	MW-4	10/16/2014		3.7	1.0	ug/L
Dichlorodifluoromethane	MW-4	4/04/2015		1.1	1.0	ug/L
Dichlorodifluoromethane	MW-4	4/04/2016		1.4	1.0	ug/L
Dichlorodifluoromethane	MW-4	9/20/2016		1.1	1.0	ug/L
Dichlorodifluoromethane	MW-4	4/24/2017		1.3	1.0	ug/L
Dichlorodifluoromethane	MW-4	10/09/2017		1.0	1.0	ug/L
Dichlorodifluoromethane	MW-4	4/02/2019		2.6	1.0	ug/L
Dichlorodifluoromethane	MW-4	3/25/2020		1.1	1.0	ug/L
Ethylbenzene	MW-4	6/23/2008		1.0	1.0	ug/L
Ethylbenzene	MW-4	12/13/2008		1.1	1.0	ug/L
Methacrylonitrile	MW-4	9/22/2011		11.8	1.0	ug/L
Methane	MW-4	4/09/2012		6370	187	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
Methane	MW-4	4/26/2013		6570	704	ug/L
Tetrachloroethylene	MW-4	4/23/2008		2	1	ug/L
Tetrachloro-m-xylene	MW-4	4/05/2010		.843	.010	ug/L
Toluene	MW-4	6/23/2008		2.9	1.0	ug/L
Toluene	MW-4	8/13/2008		2.2	1.0	ug/L
Toluene	MW-4	10/02/2008		2.5	1.0	ug/L
Toluene	MW-4	12/13/2008		3.4	1.0	ug/L
Toluene	MW-4	3/04/2009		2.7	1.0	ug/L
Toluene	MW-4	9/17/2009		1.1	1.0	ug/L
Toluene	MW-4	4/05/2010		1.2	1.0	ug/L
Trichloroethylene	MW-4	7/07/1993		3.6	1.0	ug/L
Trichloroethylene	MW-4	10/12/1993		1.8	1.0	ug/L
Trichloroethylene	MW-4	1/24/1994		1.2	1.0	ug/L
Trichloroethylene	MW-4	4/23/2008		3.6	1.0	ug/L
Trichloroethylene	MW-4	9/05/2012		1.8	1.0	ug/L
Vinyl chloride	MW-4	4/23/2008		5.6	1.0	ug/L
Vinyl chloride	MW-4	6/23/2008		22.6	1.0	ug/L
Vinyl chloride	MW-4	8/13/2008		14.6	1.0	ug/L
Vinyl chloride	MW-4	10/02/2008		11.1	1.0	ug/L
Vinyl chloride	MW-4	12/13/2008		6.7	1.0	ug/L
Vinyl chloride	MW-4	3/04/2009		4.4	1.0	ug/L
Vinyl chloride	MW-4	9/17/2009		8.3	1.0	ug/L
Vinyl chloride	MW-4	11/06/2009		4.4	1.0	ug/L
Vinyl chloride	MW-4	4/05/2010		16.1	1.0	ug/L
Vinyl chloride	MW-4	10/08/2010		5.0	1.0	ug/L
Vinyl chloride	MW-4	4/13/2011		2.9	1.0	ug/L
Vinyl chloride	MW-4	9/22/2011		3.9	1.0	ug/L
Vinyl chloride	MW-4	4/09/2012		1.6	1.0	ug/L
Vinyl chloride	MW-4	9/05/2012		4.0	1.0	ug/L
Vinyl chloride	MW-4	4/26/2013		2.3	1.0	ug/L
Vinyl chloride	MW-4	4/10/2014		1.7	1.0	ug/L
Vinyl chloride	MW-4	10/16/2014		4.9	1.0	ug/L
Vinyl chloride	MW-4	4/04/2015		1.3	1.0	ug/L
Vinyl chloride	MW-4	10/01/2015		2.3	1.0	ug/L
Vinyl chloride	MW-4	9/20/2016		2.2	1.0	ug/L
Vinyl chloride	MW-4	10/09/2017		1.8	1.0	ug/L
Vinyl chloride	MW-4	3/21/2018		1.8	1.0	ug/L
Vinyl chloride	MW-4	9/07/2018		1.9	1.0	ug/L
Vinyl chloride	MW-4	4/02/2019		1.8	1.0	ug/L
Vinyl chloride	MW-4	9/18/2019		1.8	1.0	ug/L
Vinyl chloride	MW-4	3/25/2020		1.0	1.0	ug/L
Vinyl chloride	MW-4	9/15/2020		3.3	1.0	ug/L
Vinyl chloride	MW-4	9/28/2021		2.8	1.0	ug/L
Vinyl chloride	MW-4	8/30/2022		1.8	1.0	ug/L
Vinyl chloride	MW-4	9/11/2023		4.2	1.0	ug/L
Vinyl chloride	MW-4	9/25/2025		2.0	1.0	ug/L
Alpha-bhc	MW-5	3/25/2020		8.52	.05	ug/L
Bis(2-ethylhexyl) phthalate	MW-5	9/20/2016		10	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-5	3/25/2020		8	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-5	9/12/2024		9	6	ug/L
Chloroethane	MW-5	4/23/2008		3.9	1.0	ug/L
Chloroethane	MW-5	6/23/2008		6.3	1.0	ug/L
Chloroethane	MW-5	8/13/2008		4.4	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chloroethane	MW-5	10/02/2008		7.6	1.0	ug/L
Chloroethane	MW-5	12/13/2008		8.1	1.0	ug/L
Chloroethane	MW-5	3/04/2009		4.7	1.0	ug/L
Chloroethane	MW-5	9/17/2009		5.4	1.0	ug/L
Chloroethane	MW-5	11/06/2009		7.2	1.0	ug/L
Chloroethane	MW-5	4/05/2010		4.8	1.0	ug/L
Chloroethane	MW-5	4/13/2011		3.3	1.0	ug/L
Chloroethane	MW-5	9/22/2011		2.9	1.0	ug/L
Chloroethane	MW-5	9/05/2012		1.0	1.0	ug/L
Chloroethane	MW-5	4/26/2013		1.5	1.0	ug/L
Chloroethane	MW-5	9/26/2013		2.1	1.0	ug/L
Chloroethane	MW-5	4/10/2014		1.3	1.0	ug/L
Chloroethane	MW-5	10/16/2014		3.2	1.0	ug/L
Chloroethane	MW-5	10/01/2015		2.0	1.0	ug/L
Chloroethane	MW-5	4/04/2016		2.7	1.0	ug/L
Chloroethane	MW-5	4/24/2017		1.9	1.0	ug/L
Chloroethane	MW-5	4/02/2019		1.0	1.0	ug/L
Chloroethane	MW-5	6/05/2019		1.3	1.0	ug/L
Chloroethane	MW-5	9/18/2019		2.0	1.0	ug/L
Chloroethane	MW-5	3/25/2020		2.0	1.0	ug/L
Chloroethane	MW-5	9/15/2020		1.9	1.0	ug/L
Chloroethane	MW-5	3/08/2021		1.8	1.0	ug/L
Chloroethane	MW-5	8/30/2022		2.7	1.0	ug/L
Chloroethane	MW-5	3/07/2023		3.1	1.0	ug/L
Chloroethane	MW-5	9/25/2025		2.9	1.0	ug/L
Cis-1,2-dichloroethylene	MW-5	4/23/2008		1.0	1.0	ug/L
Cis-1,2-dichloroethylene	MW-5	6/23/2008		1.4	1.0	ug/L
Cis-1,2-dichloroethylene	MW-5	12/13/2008		1.0	1.0	ug/L
Di-n-octyl phthalate	MW-5	9/20/2016		64	8	ug/L
Methane	MW-5	4/09/2012		150	7	ug/L
Tetrachloro-m-xylene	MW-5	4/05/2010		.851	.010	ug/L
1,1-dichloroethylene	MW-9	1/24/1994		4.1	1.0	ug/L
Benzene	MW-9	1/24/1994		2.7	1.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-9	4/10/2014		9	8	ug/L
Trichloroethylene	MW-9	1/24/1994		4.4	1.0	ug/L

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

Attachment F

Assessment Statistics for Verified VOC Detections

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
1,2-dichloropropane	ug/L	MW-12	4	0.500	0.000	1.176	0.500	0.500	5.000	
1,4-dichlorobenzene	ug/L	MW-12	4	0.500	0.000	1.176	0.500	0.500	75.000	
Benzene	ug/L	MW-12	4	0.500	0.000	1.176	0.500	0.500	5.000	
Chloroethane	ug/L	MW-12	4	0.625	0.250	1.176	0.331	0.919	2800.000	
Cis-1,2-dichloroethylene	ug/L	MW-12	4	0.500	0.000	1.176	0.500	0.500	70.000	
Vinyl chloride	ug/L	MW-12	4	0.500	0.000	1.176	0.500	0.500	2.000	
1,2-dichloropropane	ug/L	MW-22	4	0.500	0.000	1.176	0.500	0.500	5.000	
1,4-dichlorobenzene	ug/L	MW-22	4	0.500	0.000	1.176	0.500	0.500	75.000	
Benzene	ug/L	MW-22	4	0.750	0.500	1.176	0.162	1.338	5.000	
Chloroethane	ug/L	MW-22	4	0.500	0.000	1.176	0.500	0.500	2800.000	
Cis-1,2-dichloroethylene	ug/L	MW-22	4	0.500	0.000	1.176	0.500	0.500	70.000	
Vinyl chloride	ug/L	MW-22	4	0.500	0.000	1.176	0.500	0.500	2.000	
1,2-dichloropropane	ug/L	MW-4	4	0.500	0.000	1.176	0.500	0.500	5.000	
1,4-dichlorobenzene	ug/L	MW-4	4	5.725	0.310	1.176	5.361	6.089	75.000	dec
Benzene	ug/L	MW-4	4	1.300	0.141	1.176	1.134	1.466	5.000	dec
Chloroethane	ug/L	MW-4	4	1.350	0.695	1.176	0.532	2.168	2800.000	dec
Cis-1,2-dichloroethylene	ug/L	MW-4	4	1.275	0.939	1.176	0.170	2.380	70.000	dec
Vinyl chloride	ug/L	MW-4	4	0.875	0.750	1.176	0.000	1.757	2.000	dec
1,2-dichloropropane	ug/L	MW-5	4	0.500	0.000	1.176	0.500	0.500	5.000	
1,4-dichlorobenzene	ug/L	MW-5	4	0.500	0.000	1.176	0.500	0.500	75.000	
Benzene	ug/L	MW-5	4	0.500	0.000	1.176	0.500	0.500	5.000	
Chloroethane	ug/L	MW-5	4	1.100	1.200	1.176	0.000	2.512	2800.000	dec
Cis-1,2-dichloroethylene	ug/L	MW-5	4	0.500	0.000	1.176	0.500	0.500	70.000	
Vinyl chloride	ug/L	MW-5	4	0.500	0.000	1.176	0.500	0.500	2.000	

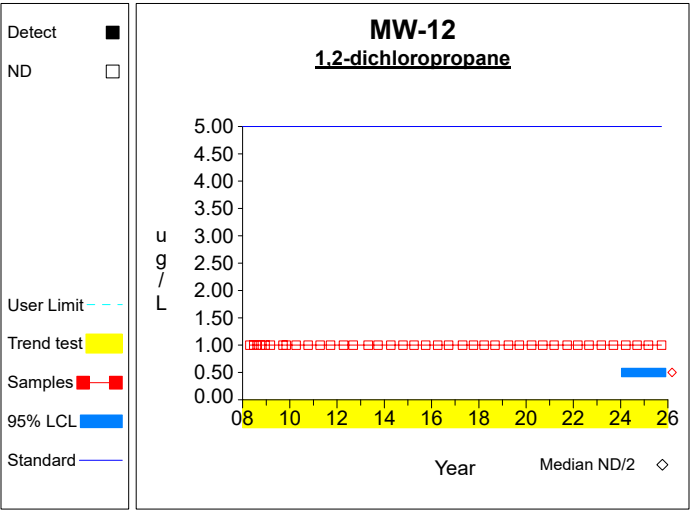
* - Insufficient Data

** - Significant Exceedance

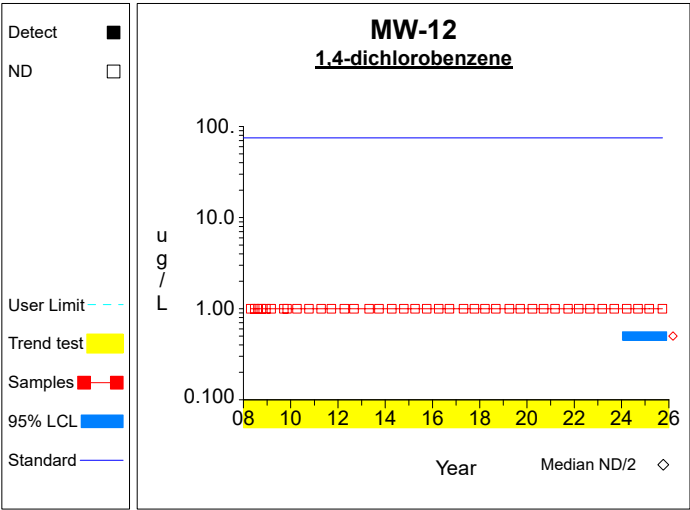
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

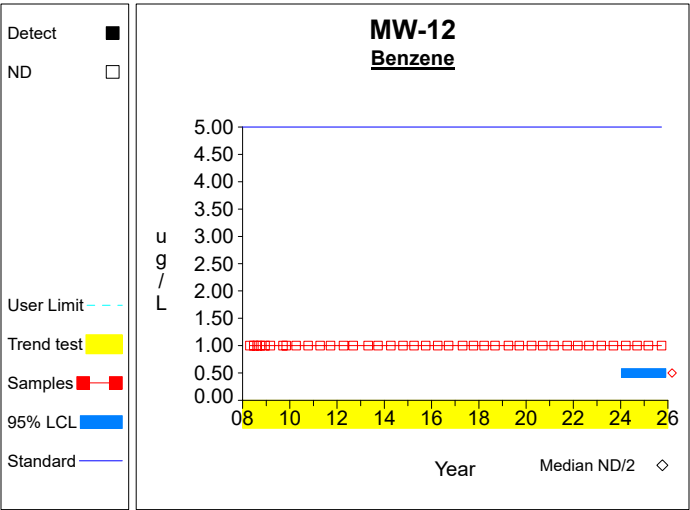
Confidence Limits (Assessment)



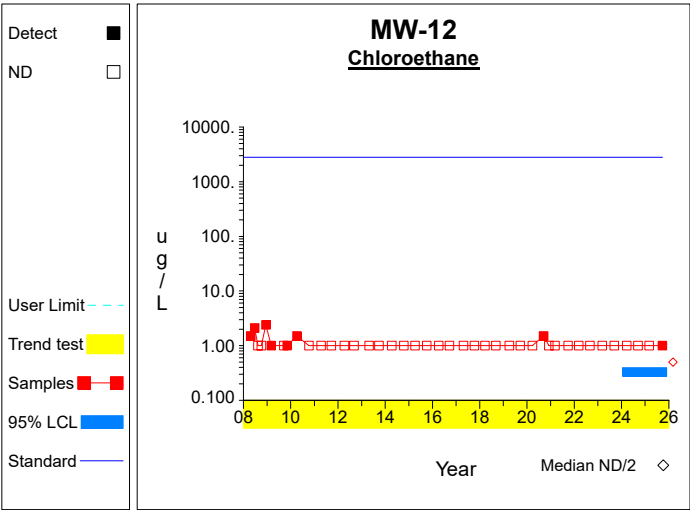
Graph 1



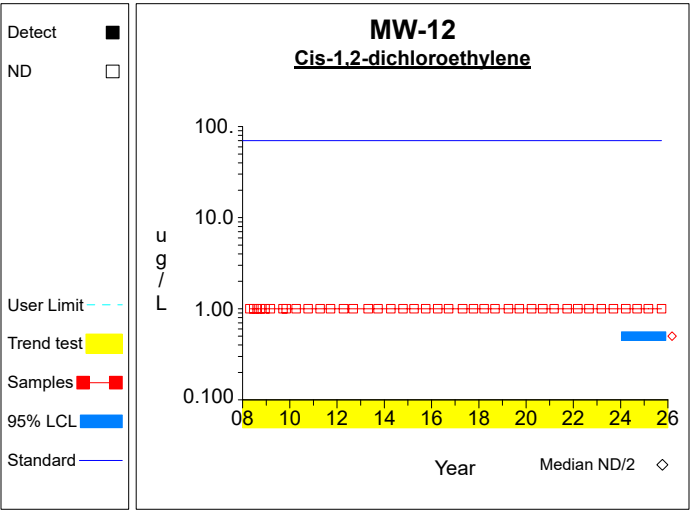
Graph 2



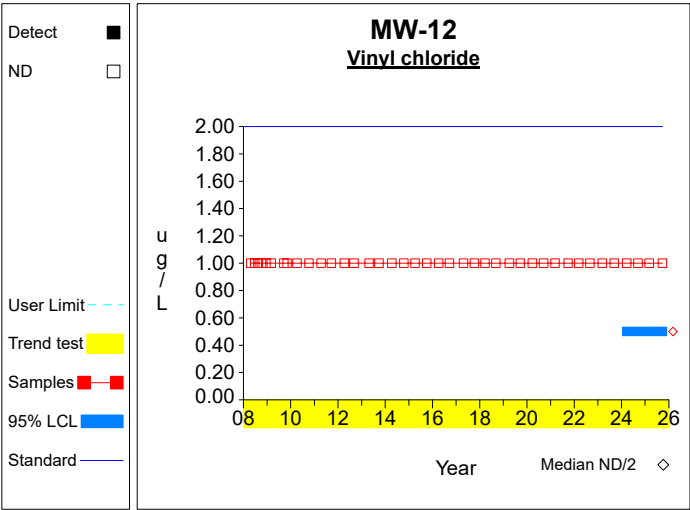
Graph 3



Graph 4

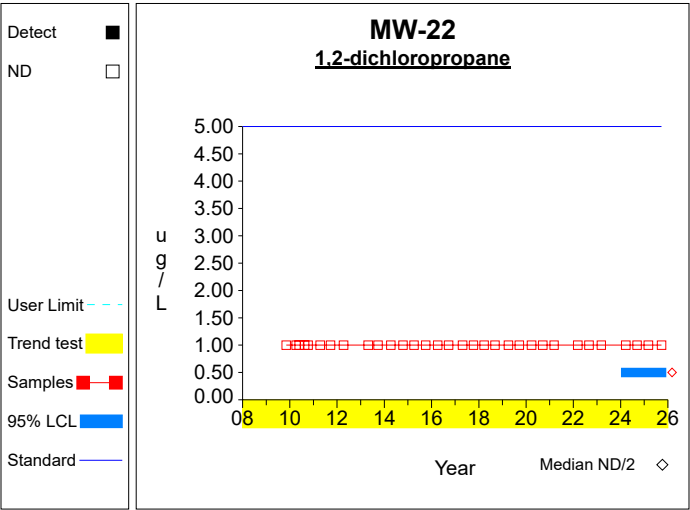


Graph 5

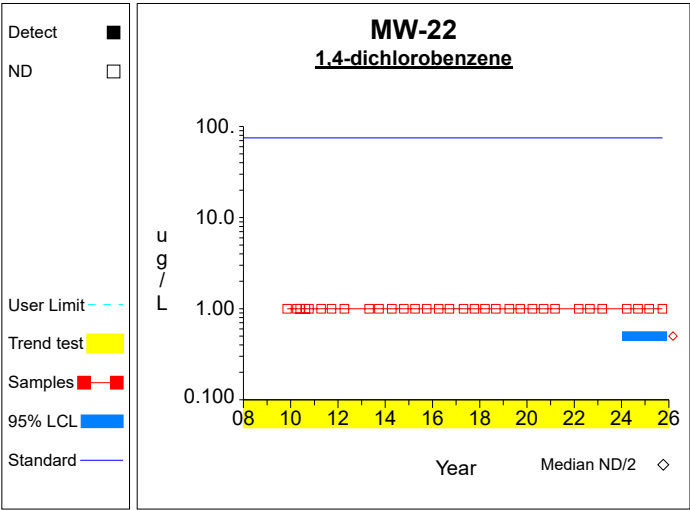


Graph 6

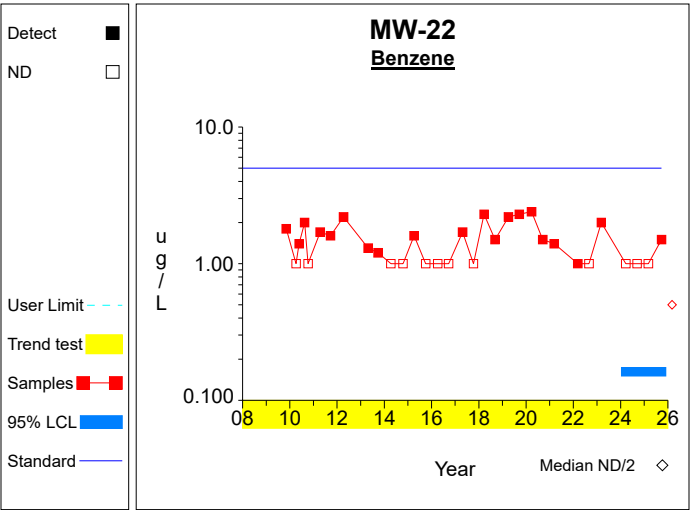
Confidence Limits (Assessment)



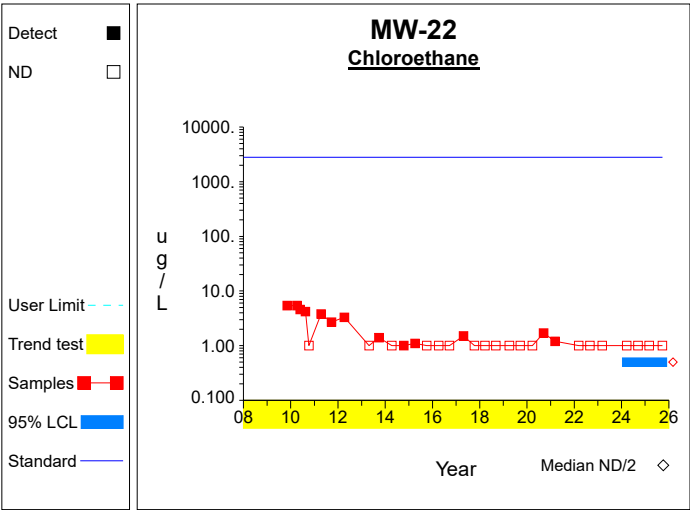
Graph 7



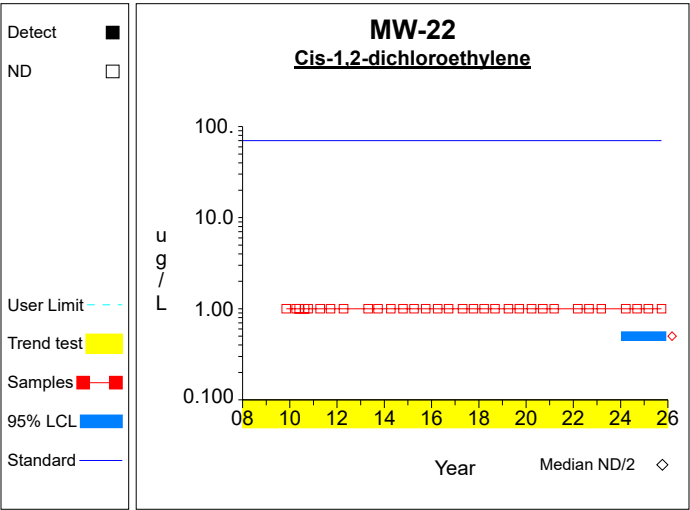
Graph 8



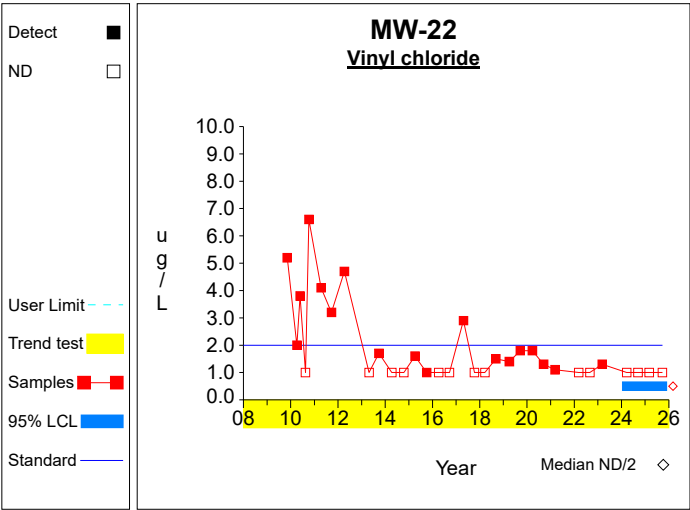
Graph 9



Graph 10

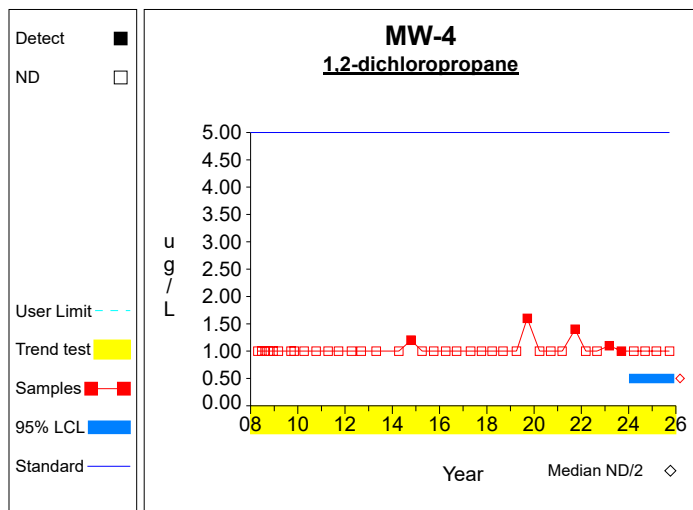


Graph 11

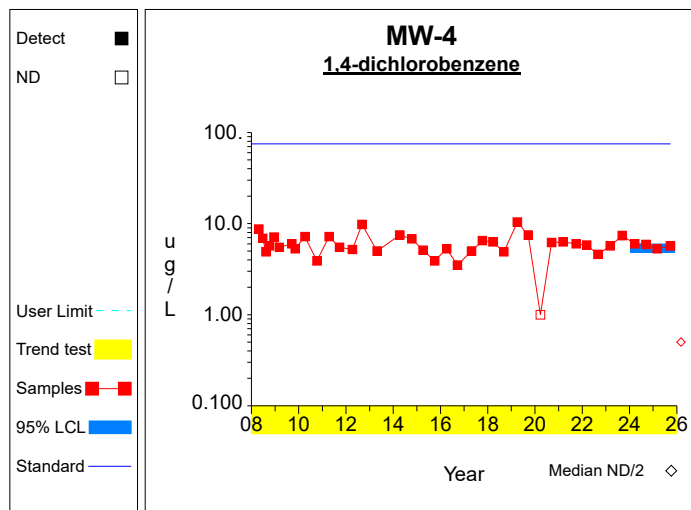


Graph 12

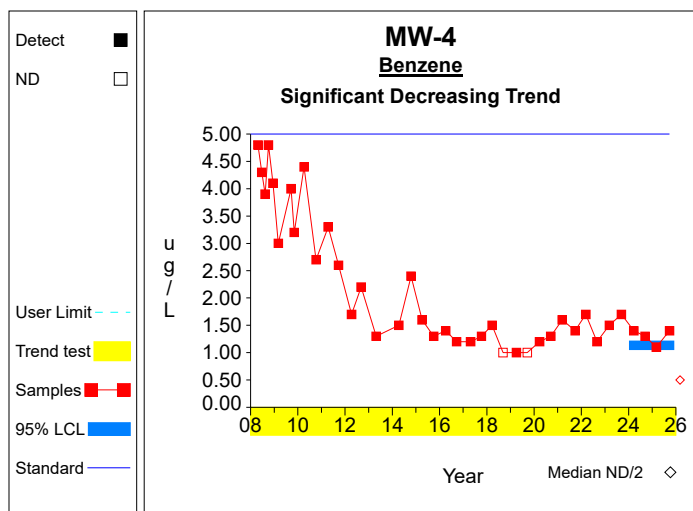
Confidence Limits (Assessment)



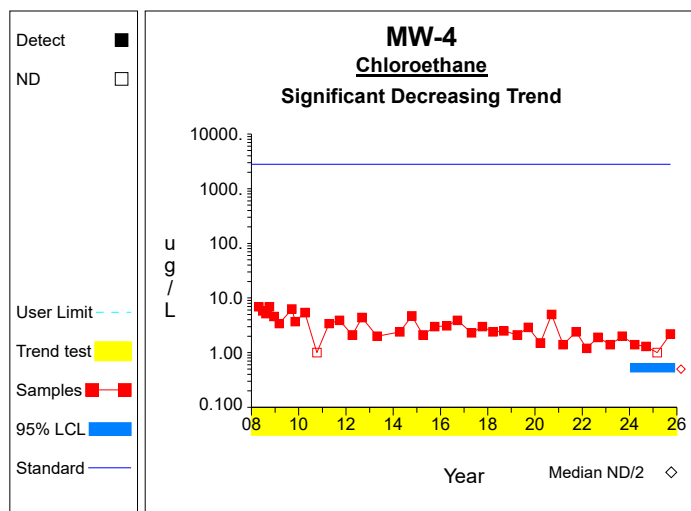
Graph 13



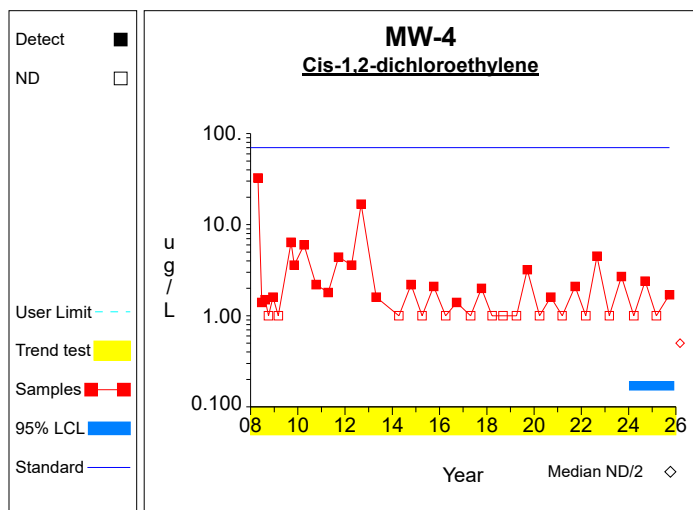
Graph 14



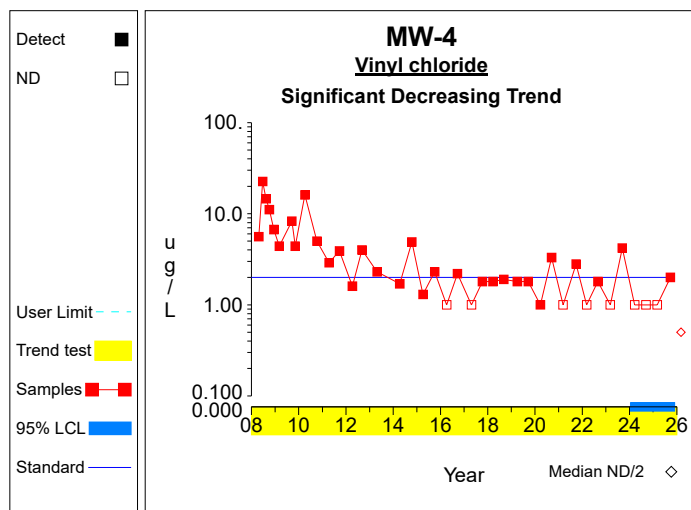
Graph 15



Graph 16

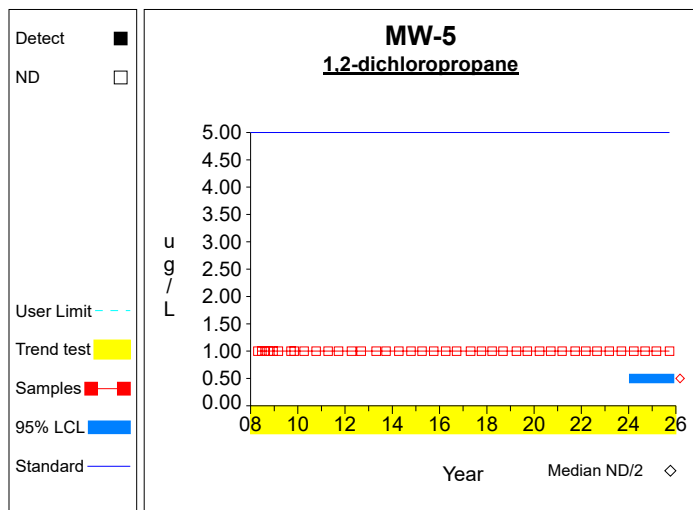


Graph 17

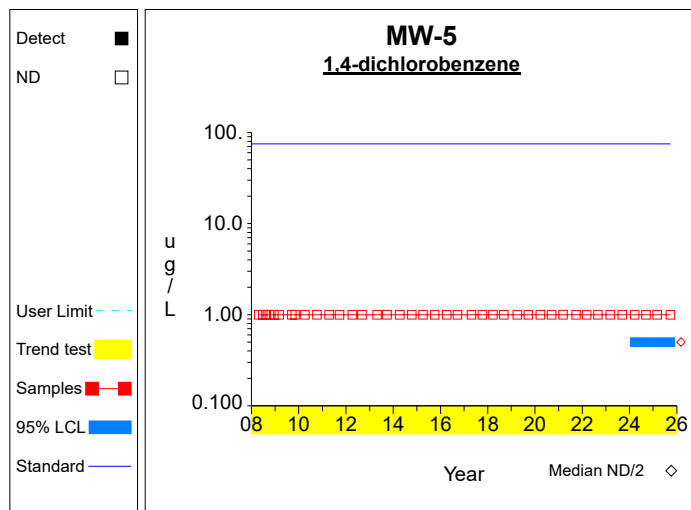


Graph 18

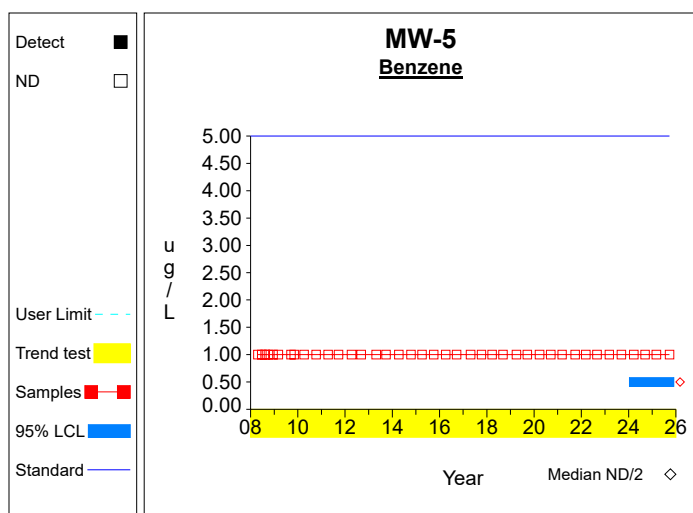
Confidence Limits (Assessment)



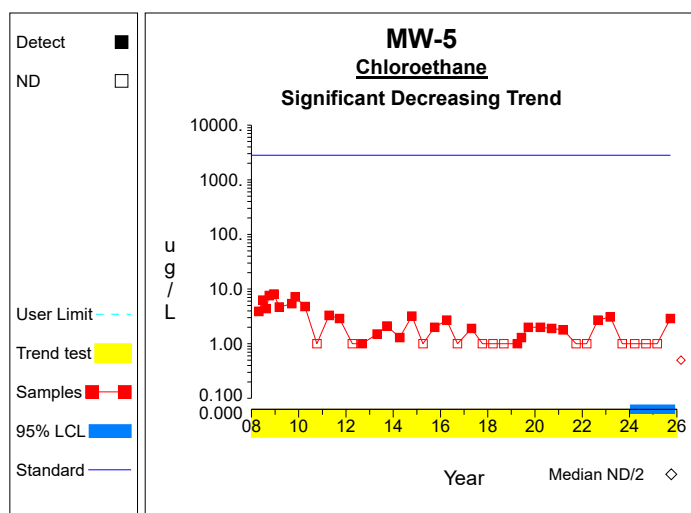
Graph 19



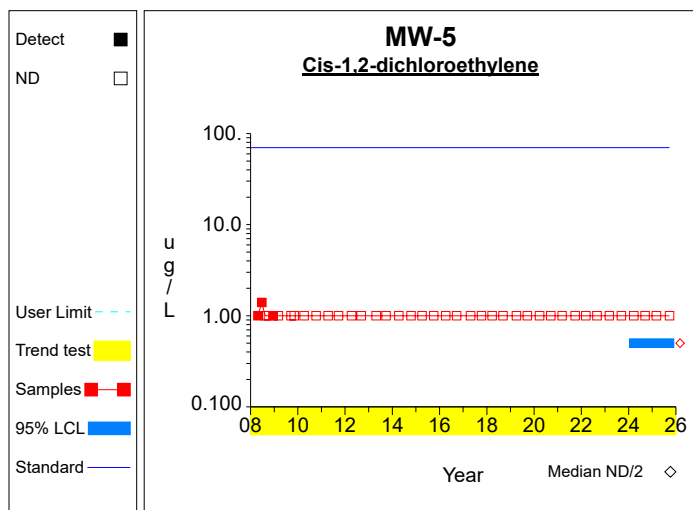
Graph 20



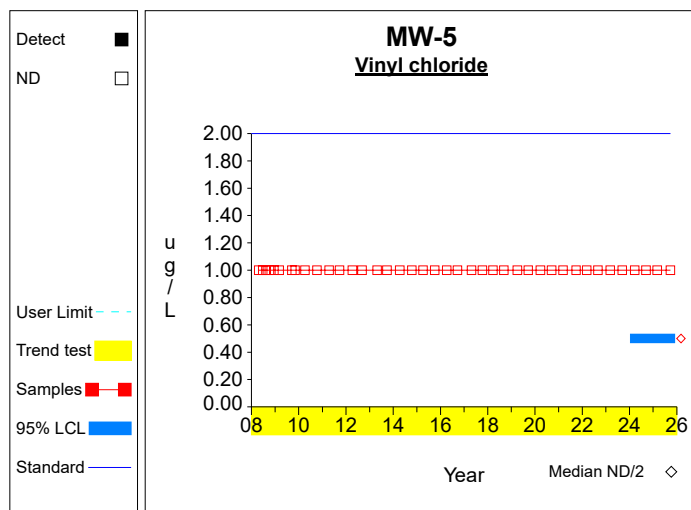
Graph 21



Graph 22



Graph 23



Graph 24

Appendix C

Laboratory Reports for Reporting Period *With Chain of Custody*



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC0308

Project Description

Appendix Sampling

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Wednesday, March 26, 2025

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

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

Microbac Laboratories, Inc.

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



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC0308

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: Appendix Sampling

Project / PO Number: N/A
Received: 03/04/2025
Reported: 03/26/2025

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-9	1IC0308-01	Aqueous	GRAB		03/03/25 09:17	03/04/25 10:00
MW-17	1IC0308-02	Aqueous	GRAB		03/03/25 10:39	03/04/25 10:00
MW-18	1IC0308-03	Aqueous	GRAB		03/03/25 09:53	03/04/25 10:00
MW-19A	1IC0308-04	Aqueous	GRAB		03/03/25 10:15	03/04/25 10:00
MW-4	1IC0308-05	Aqueous	GRAB		03/03/25 11:12	03/04/25 10:00
MW-24	1IC0308-06	Aqueous	GRAB		03/03/25 09:32	03/04/25 10:00
MW-5	1IC0308-07	Aqueous	GRAB		03/03/25 11:57	03/04/25 10:00
MW-12	1IC0308-08	Aqueous	GRAB		03/03/25 12:30	03/04/25 10:00
MW-15R	1IC0308-09	Aqueous	GRAB		03/03/25 13:15	03/04/25 10:00
MW-20R	1IC0308-10	Aqueous	GRAB		03/03/25 12:43	03/04/25 10:00
MW-21	1IC0308-11	Aqueous	GRAB		03/03/25 12:11	03/04/25 10:00
MW-22	1IC0308-12	Aqueous	GRAB		03/03/25 10:59	03/04/25 10:00
MW-25	1IC0308-13	Aqueous	GRAB		03/03/25 11:37	03/04/25 10:00
MW-26	1IC0308-14	Aqueous	GRAB		03/03/25 11:25	03/04/25 10:00
Duplicate	1IC0308-15	Aqueous	GRAB		03/03/25 12:30	03/04/25 10:00



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11C0308

Analytical Testing Parameters

Client Sample ID: MW-9
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-01

Collected By: JGH
Collection Date: 03/03/2025 9:17

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Acetone	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Chloroform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Benzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Toluene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Styrene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: MW-9
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-01

Collected By: JGH
Collection Date: 03/03/2025 9:17

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Bromoform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1816	CSM
Surrogate: Dibromofluoromethane	86.3	Limit: 75-136	% Rec	1		03/07/25 0000	03/07/25 1816	CSM
Surrogate: Dibromofluoromethane	86.3	Limit: 57-134	% Rec	1		03/07/25 0000	03/07/25 1816	CSM
Surrogate: 1,2-Dichloroethane-d4	79.5	Limit: 53-140	% Rec	1		03/07/25 0000	03/07/25 1816	CSM
Surrogate: 1,2-Dichloroethane-d4	79.5	Limit: 61-142	% Rec	1		03/07/25 0000	03/07/25 1816	CSM
Surrogate: Toluene-d8	94.9	Limit: 82-121	% Rec	1		03/07/25 0000	03/07/25 1816	CSM
Surrogate: Toluene-d8	94.9	Limit: 86-114	% Rec	1		03/07/25 0000	03/07/25 1816	CSM
Surrogate: 4-Bromofluorobenzene	94.8	Limit: 78-121	% Rec	1		03/07/25 0000	03/07/25 1816	CSM
Surrogate: 4-Bromofluorobenzene	94.8	Limit: 80-116	% Rec	1		03/07/25 0000	03/07/25 1816	CSM

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0120	RVV
Arsenic, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0120	RVV
Barium, total	0.282	0.0040	mg/L	4		03/07/25 0911	03/08/25 0120	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0120	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/07/25 0911	03/08/25 0120	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/07/25 0911	03/08/25 0120	RVV
Cobalt, total	0.0039	0.0004	mg/L	4		03/07/25 0911	03/08/25 0120	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0120	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0120	RVV
Nickel, total	0.0078	0.0040	mg/L	4		03/07/25 0911	03/08/25 0120	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0120	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0120	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0120	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0120	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0120	RVV



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: MW-17
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-02

Collected By: JGH
Collection Date: 03/03/2025 10:39

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Acetone	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Chloroform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Benzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Toluene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Styrene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Bromoform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: MW-17
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-02

Collected By: JGH
Collection Date: 03/03/2025 10:39

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1839	CSM
Surrogate: Dibromofluoromethane	90.3	Limit: 57-134	% Rec	1		03/07/25 0000	03/07/25 1839	CSM
Surrogate: Dibromofluoromethane	90.3	Limit: 75-136	% Rec	1		03/07/25 0000	03/07/25 1839	CSM
Surrogate: 1,2-Dichloroethane-d4	82.5	Limit: 53-140	% Rec	1		03/07/25 0000	03/07/25 1839	CSM
Surrogate: 1,2-Dichloroethane-d4	82.5	Limit: 61-142	% Rec	1		03/07/25 0000	03/07/25 1839	CSM
Surrogate: Toluene-d8	95.2	Limit: 86-114	% Rec	1		03/07/25 0000	03/07/25 1839	CSM
Surrogate: Toluene-d8	95.2	Limit: 82-121	% Rec	1		03/07/25 0000	03/07/25 1839	CSM
Surrogate: 4-Bromofluorobenzene	95.1	Limit: 78-121	% Rec	1		03/07/25 0000	03/07/25 1839	CSM
Surrogate: 4-Bromofluorobenzene	95.1	Limit: 80-116	% Rec	1		03/07/25 0000	03/07/25 1839	CSM

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0126	RVV
Arsenic, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0126	RVV
Barium, total	0.152	0.0040	mg/L	4		03/07/25 0911	03/08/25 0126	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0126	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/07/25 0911	03/08/25 0126	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/07/25 0911	03/08/25 0126	RVV
Cobalt, total	0.0019	0.0004	mg/L	4		03/07/25 0911	03/08/25 0126	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0126	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0126	RVV
Nickel, total	0.0068	0.0040	mg/L	4		03/07/25 0911	03/08/25 0126	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0126	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0126	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0126	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0126	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0126	RVV

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: MW-18
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-03

Collected By: JGH
Collection Date: 03/03/2025 9:53

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Acetone	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Chloroform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Benzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Toluene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Styrene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Bromoform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: MW-18
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-03

Collected By: JGH
Collection Date: 03/03/2025 9:53

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1901	CSM
Surrogate: Dibromofluoromethane	92.4	Limit: 75-136	% Rec	1		03/07/25 0000	03/07/25 1901	CSM
Surrogate: Dibromofluoromethane	92.4	Limit: 57-134	% Rec	1		03/07/25 0000	03/07/25 1901	CSM
Surrogate: 1,2-Dichloroethane-d4	83.6	Limit: 61-142	% Rec	1		03/07/25 0000	03/07/25 1901	CSM
Surrogate: 1,2-Dichloroethane-d4	83.6	Limit: 53-140	% Rec	1		03/07/25 0000	03/07/25 1901	CSM
Surrogate: Toluene-d8	97.2	Limit: 82-121	% Rec	1		03/07/25 0000	03/07/25 1901	CSM
Surrogate: Toluene-d8	97.2	Limit: 86-114	% Rec	1		03/07/25 0000	03/07/25 1901	CSM
Surrogate: 4-Bromofluorobenzene	92.5	Limit: 80-116	% Rec	1		03/07/25 0000	03/07/25 1901	CSM
Surrogate: 4-Bromofluorobenzene	92.5	Limit: 78-121	% Rec	1		03/07/25 0000	03/07/25 1901	CSM

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0203	RVV
Arsenic, total	0.0196	0.0040	mg/L	4		03/07/25 0911	03/08/25 0203	RVV
Barium, total	0.654	0.0040	mg/L	4		03/07/25 0911	03/08/25 0203	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0203	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/07/25 0911	03/08/25 0203	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/07/25 0911	03/08/25 0203	RVV
Cobalt, total	0.0073	0.0004	mg/L	4		03/07/25 0911	03/08/25 0203	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0203	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0203	RVV
Nickel, total	0.0163	0.0040	mg/L	4		03/07/25 0911	03/08/25 0203	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0203	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0203	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0203	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0203	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0203	RVV

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: MW-19A
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-04

Collected By: JGH
Collection Date: 03/03/2025 10:15

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Acetone	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Chloroform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Benzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Toluene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Styrene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Bromoform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: MW-19A
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-04

Collected By: JGH
Collection Date: 03/03/2025 10:15

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1923	CSM
Surrogate: Dibromofluoromethane	91.7	Limit: 57-134	% Rec	1		03/07/25 0000	03/07/25 1923	CSM
Surrogate: Dibromofluoromethane	91.7	Limit: 75-136	% Rec	1		03/07/25 0000	03/07/25 1923	CSM
Surrogate: 1,2-Dichloroethane-d4	84.3	Limit: 53-140	% Rec	1		03/07/25 0000	03/07/25 1923	CSM
Surrogate: 1,2-Dichloroethane-d4	84.3	Limit: 61-142	% Rec	1		03/07/25 0000	03/07/25 1923	CSM
Surrogate: Toluene-d8	95.2	Limit: 86-114	% Rec	1		03/07/25 0000	03/07/25 1923	CSM
Surrogate: Toluene-d8	95.2	Limit: 82-121	% Rec	1		03/07/25 0000	03/07/25 1923	CSM
Surrogate: 4-Bromofluorobenzene	91.9	Limit: 78-121	% Rec	1		03/07/25 0000	03/07/25 1923	CSM
Surrogate: 4-Bromofluorobenzene	91.9	Limit: 80-116	% Rec	1		03/07/25 0000	03/07/25 1923	CSM

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0209	RVV
Arsenic, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0209	RVV
Barium, total	0.0359	0.0040	mg/L	4		03/07/25 0911	03/08/25 0209	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0209	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/07/25 0911	03/08/25 0209	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/07/25 0911	03/08/25 0209	RVV
Cobalt, total	0.0005	0.0004	mg/L	4		03/07/25 0911	03/08/25 0209	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0209	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0209	RVV
Nickel, total	0.0087	0.0040	mg/L	4		03/07/25 0911	03/08/25 0209	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0209	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0209	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0209	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0209	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0209	RVV

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: MW-4
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-05

Collected By: JGH
Collection Date: 03/03/2025 11:12

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Acetone	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Chloroform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Benzene	1.1	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Toluene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Styrene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Bromoform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: MW-4
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-05

Collected By: JGH
Collection Date: 03/03/2025 11:12

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
1,4-Dichlorobenzene	5.3	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 1945	CSM
Surrogate: Dibromofluoromethane	97.0	Limit: 75-136	% Rec	1		03/07/25 0000	03/07/25 1945	CSM
Surrogate: Dibromofluoromethane	97.0	Limit: 57-134	% Rec	1		03/07/25 0000	03/07/25 1945	CSM
Surrogate: 1,2-Dichloroethane-d4	88.5	Limit: 61-142	% Rec	1		03/07/25 0000	03/07/25 1945	CSM
Surrogate: 1,2-Dichloroethane-d4	88.5	Limit: 53-140	% Rec	1		03/07/25 0000	03/07/25 1945	CSM
Surrogate: Toluene-d8	96.4	Limit: 82-121	% Rec	1		03/07/25 0000	03/07/25 1945	CSM
Surrogate: Toluene-d8	96.4	Limit: 86-114	% Rec	1		03/07/25 0000	03/07/25 1945	CSM
Surrogate: 4-Bromofluorobenzene	96.5	Limit: 80-116	% Rec	1		03/07/25 0000	03/07/25 1945	CSM
Surrogate: 4-Bromofluorobenzene	96.5	Limit: 78-121	% Rec	1		03/07/25 0000	03/07/25 1945	CSM

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0215	RVV
Arsenic, total	0.0622	0.0040	mg/L	4		03/07/25 0911	03/08/25 0215	RVV
Barium, total	0.940	0.0040	mg/L	4		03/07/25 0911	03/08/25 0215	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0215	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/07/25 0911	03/08/25 0215	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/07/25 0911	03/08/25 0215	RVV
Cobalt, total	0.0010	0.0004	mg/L	4		03/07/25 0911	03/08/25 0215	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0215	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0215	RVV
Nickel, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0215	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0215	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0215	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0215	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0215	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0215	RVV

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: MW-24
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-06

Collected By: JGH
Collection Date: 03/03/2025 9:32

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Acetone	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Chloroform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Benzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Toluene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Styrene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Bromoform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: MW-24
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-06

Collected By: JGH
Collection Date: 03/03/2025 9:32

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2008	CSM
Surrogate: Dibromofluoromethane	94.7	Limit: 75-136	% Rec	1		03/07/25 0000	03/07/25 2008	CSM
Surrogate: Dibromofluoromethane	94.7	Limit: 57-134	% Rec	1		03/07/25 0000	03/07/25 2008	CSM
Surrogate: 1,2-Dichloroethane-d4	85.4	Limit: 53-140	% Rec	1		03/07/25 0000	03/07/25 2008	CSM
Surrogate: 1,2-Dichloroethane-d4	85.4	Limit: 61-142	% Rec	1		03/07/25 0000	03/07/25 2008	CSM
Surrogate: Toluene-d8	96.8	Limit: 82-121	% Rec	1		03/07/25 0000	03/07/25 2008	CSM
Surrogate: Toluene-d8	96.8	Limit: 86-114	% Rec	1		03/07/25 0000	03/07/25 2008	CSM
Surrogate: 4-Bromofluorobenzene	92.9	Limit: 80-116	% Rec	1		03/07/25 0000	03/07/25 2008	CSM
Surrogate: 4-Bromofluorobenzene	92.9	Limit: 78-121	% Rec	1		03/07/25 0000	03/07/25 2008	CSM

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0221	RVV
Arsenic, total	0.0227	0.0040	mg/L	4		03/07/25 0911	03/08/25 0221	RVV
Barium, total	0.585	0.0040	mg/L	4		03/07/25 0911	03/08/25 0221	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0221	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/07/25 0911	03/08/25 0221	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/07/25 0911	03/08/25 0221	RVV
Cobalt, total	0.0004	0.0004	mg/L	4		03/07/25 0911	03/08/25 0221	RVV
Copper, total	0.0049	0.0040	mg/L	4		03/07/25 0911	03/08/25 0221	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0221	RVV
Nickel, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0221	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0221	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0221	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0221	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0221	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0221	RVV

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: MW-5
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-07

Collected By: JGH
Collection Date: 03/03/2025 11:57

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Acetone	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Chloroform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Benzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Toluene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Styrene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Bromoform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: MW-5
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-07

Collected By: JGH
Collection Date: 03/03/2025 11:57

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2030	CSM
Surrogate: Dibromofluoromethane	95.0	Limit: 57-134	% Rec	1		03/07/25 0000	03/07/25 2030	CSM
Surrogate: Dibromofluoromethane	95.0	Limit: 75-136	% Rec	1		03/07/25 0000	03/07/25 2030	CSM
Surrogate: 1,2-Dichloroethane-d4	88.5	Limit: 53-140	% Rec	1		03/07/25 0000	03/07/25 2030	CSM
Surrogate: 1,2-Dichloroethane-d4	88.5	Limit: 61-142	% Rec	1		03/07/25 0000	03/07/25 2030	CSM
Surrogate: Toluene-d8	93.2	Limit: 86-114	% Rec	1		03/07/25 0000	03/07/25 2030	CSM
Surrogate: Toluene-d8	93.2	Limit: 82-121	% Rec	1		03/07/25 0000	03/07/25 2030	CSM
Surrogate: 4-Bromofluorobenzene	94.9	Limit: 78-121	% Rec	1		03/07/25 0000	03/07/25 2030	CSM
Surrogate: 4-Bromofluorobenzene	94.9	Limit: 80-116	% Rec	1		03/07/25 0000	03/07/25 2030	CSM

Determination of Base/Neutral Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3520C/EPA 8270C								
Bis(2-Ethylhexyl) Phthalate	<6	6	ug/L	1		03/10/25 1113	03/12/25 1717	EPP
Surrogate: Nitrobenzene-d5	89.2	Limit: 20-149	% Rec	1		03/10/25 1113	03/12/25 1717	EPP
Surrogate: 2-Fluorobiphenyl	91.6	Limit: 11-146	% Rec	1		03/10/25 1113	03/12/25 1717	EPP
Surrogate: Terphenyl-d14	102	Limit: 27-155	% Rec	1		03/10/25 1113	03/12/25 1717	EPP

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0227	RVV
Arsenic, total	0.0080	0.0040	mg/L	4		03/07/25 0911	03/08/25 0227	RVV
Barium, total	0.236	0.0040	mg/L	4		03/07/25 0911	03/08/25 0227	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0227	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/07/25 0911	03/08/25 0227	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/07/25 0911	03/08/25 0227	RVV
Cobalt, total	0.0199	0.0004	mg/L	4		03/07/25 0911	03/08/25 0227	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0227	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0227	RVV
Nickel, total	0.0181	0.0040	mg/L	4		03/07/25 0911	03/08/25 0227	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0227	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0227	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0227	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0227	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0227	RVV

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: MW-12
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-08

Collected By: JGH
Collection Date: 03/03/2025 12:30

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Acetone	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Chloroform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Benzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Toluene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Styrene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Bromoform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: MW-12
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-08

Collected By: JGH
Collection Date: 03/03/2025 12:30

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2053	CSM
Surrogate: Dibromofluoromethane	93.8	Limit: 75-136	% Rec	1		03/07/25 0000	03/07/25 2053	CSM
Surrogate: Dibromofluoromethane	93.8	Limit: 57-134	% Rec	1		03/07/25 0000	03/07/25 2053	CSM
Surrogate: 1,2-Dichloroethane-d4	87.2	Limit: 53-140	% Rec	1		03/07/25 0000	03/07/25 2053	CSM
Surrogate: 1,2-Dichloroethane-d4	87.2	Limit: 61-142	% Rec	1		03/07/25 0000	03/07/25 2053	CSM
Surrogate: Toluene-d8	97.0	Limit: 82-121	% Rec	1		03/07/25 0000	03/07/25 2053	CSM
Surrogate: Toluene-d8	97.0	Limit: 86-114	% Rec	1		03/07/25 0000	03/07/25 2053	CSM
Surrogate: 4-Bromofluorobenzene	92.3	Limit: 78-121	% Rec	1		03/07/25 0000	03/07/25 2053	CSM
Surrogate: 4-Bromofluorobenzene	92.3	Limit: 80-116	% Rec	1		03/07/25 0000	03/07/25 2053	CSM

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0233	RVV
Arsenic, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0233	RVV
Barium, total	0.267	0.0040	mg/L	4		03/07/25 0911	03/08/25 0233	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0233	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/07/25 0911	03/08/25 0233	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/07/25 0911	03/08/25 0233	RVV
Cobalt, total	0.0033	0.0004	mg/L	4		03/07/25 0911	03/08/25 0233	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0233	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0233	RVV
Nickel, total	0.0064	0.0040	mg/L	4		03/07/25 0911	03/08/25 0233	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0233	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0233	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0233	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0233	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0233	RVV

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: MW-15R
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-09

Collected By: JGH
Collection Date: 03/03/2025 13:15

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Acetone	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Chloroform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Benzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Toluene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Styrene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Bromoform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: MW-15R
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-09

Collected By: JGH
Collection Date: 03/03/2025 13:15

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2115	CSM
Surrogate: Dibromofluoromethane	97.7	Limit: 57-134	% Rec	1		03/07/25 0000	03/07/25 2115	CSM
Surrogate: Dibromofluoromethane	97.7	Limit: 75-136	% Rec	1		03/07/25 0000	03/07/25 2115	CSM
Surrogate: 1,2-Dichloroethane-d4	91.5	Limit: 53-140	% Rec	1		03/07/25 0000	03/07/25 2115	CSM
Surrogate: 1,2-Dichloroethane-d4	91.5	Limit: 61-142	% Rec	1		03/07/25 0000	03/07/25 2115	CSM
Surrogate: Toluene-d8	96.2	Limit: 82-121	% Rec	1		03/07/25 0000	03/07/25 2115	CSM
Surrogate: Toluene-d8	96.2	Limit: 86-114	% Rec	1		03/07/25 0000	03/07/25 2115	CSM
Surrogate: 4-Bromofluorobenzene	90.5	Limit: 78-121	% Rec	1		03/07/25 0000	03/07/25 2115	CSM
Surrogate: 4-Bromofluorobenzene	90.5	Limit: 80-116	% Rec	1		03/07/25 0000	03/07/25 2115	CSM

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0240	RVV
Arsenic, total	0.0140	0.0040	mg/L	4		03/07/25 0911	03/08/25 0240	RVV
Barium, total	0.343	0.0040	mg/L	4		03/07/25 0911	03/08/25 0240	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0240	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/07/25 0911	03/08/25 0240	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/07/25 0911	03/08/25 0240	RVV
Cobalt, total	0.0026	0.0004	mg/L	4		03/07/25 0911	03/08/25 0240	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0240	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0240	RVV
Nickel, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0240	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0240	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0240	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0240	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0240	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0240	RVV

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: MW-20R
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-10

Collected By: JGH
Collection Date: 03/03/2025 12:43

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Acetone	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Chloroform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Benzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Toluene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Styrene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Bromoform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: MW-20R
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-10

Collected By: JGH
Collection Date: 03/03/2025 12:43

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2137	CSM
Surrogate: Dibromofluoromethane	100	Limit: 75-136	% Rec	1		03/07/25 0000	03/07/25 2137	CSM
Surrogate: Dibromofluoromethane	100	Limit: 57-134	% Rec	1		03/07/25 0000	03/07/25 2137	CSM
Surrogate: 1,2-Dichloroethane-d4	90.2	Limit: 61-142	% Rec	1		03/07/25 0000	03/07/25 2137	CSM
Surrogate: 1,2-Dichloroethane-d4	90.2	Limit: 53-140	% Rec	1		03/07/25 0000	03/07/25 2137	CSM
Surrogate: Toluene-d8	99.0	Limit: 86-114	% Rec	1		03/07/25 0000	03/07/25 2137	CSM
Surrogate: Toluene-d8	99.0	Limit: 82-121	% Rec	1		03/07/25 0000	03/07/25 2137	CSM
Surrogate: 4-Bromofluorobenzene	89.4	Limit: 80-116	% Rec	1		03/07/25 0000	03/07/25 2137	CSM
Surrogate: 4-Bromofluorobenzene	89.4	Limit: 78-121	% Rec	1		03/07/25 0000	03/07/25 2137	CSM

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0246	RVV
Arsenic, total	0.0471	0.0040	mg/L	4		03/07/25 0911	03/08/25 0246	RVV
Barium, total	0.601	0.0040	mg/L	4		03/07/25 0911	03/08/25 0246	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0246	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/07/25 0911	03/08/25 0246	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/07/25 0911	03/08/25 0246	RVV
Cobalt, total	0.0005	0.0004	mg/L	4		03/07/25 0911	03/08/25 0246	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0246	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0246	RVV
Nickel, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0246	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0246	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0246	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0246	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0246	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0246	RVV

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: MW-21
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-11

Collected By: JGH
Collection Date: 03/03/2025 12:11

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	1.1	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Acetone	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Chloroform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Benzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Toluene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Styrene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Bromoform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: MW-21
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-11

Collected By: JGH
Collection Date: 03/03/2025 12:11

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2159	CSM
Surrogate: Dibromofluoromethane	101	Limit: 75-136	% Rec	1		03/07/25 0000	03/07/25 2159	CSM
Surrogate: Dibromofluoromethane	101	Limit: 57-134	% Rec	1		03/07/25 0000	03/07/25 2159	CSM
Surrogate: 1,2-Dichloroethane-d4	94.1	Limit: 61-142	% Rec	1		03/07/25 0000	03/07/25 2159	CSM
Surrogate: 1,2-Dichloroethane-d4	94.1	Limit: 53-140	% Rec	1		03/07/25 0000	03/07/25 2159	CSM
Surrogate: Toluene-d8	95.0	Limit: 82-121	% Rec	1		03/07/25 0000	03/07/25 2159	CSM
Surrogate: Toluene-d8	95.0	Limit: 86-114	% Rec	1		03/07/25 0000	03/07/25 2159	CSM
Surrogate: 4-Bromofluorobenzene	91.6	Limit: 80-116	% Rec	1		03/07/25 0000	03/07/25 2159	CSM
Surrogate: 4-Bromofluorobenzene	91.6	Limit: 78-121	% Rec	1		03/07/25 0000	03/07/25 2159	CSM

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0304	RVV
Arsenic, total	0.0190	0.0040	mg/L	4		03/07/25 0911	03/08/25 0304	RVV
Barium, total	0.850	0.0040	mg/L	4		03/07/25 0911	03/08/25 0304	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0304	RVV
Cadmium, total	0.0008	0.0008	mg/L	4		03/07/25 0911	03/08/25 0304	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/07/25 0911	03/08/25 0304	RVV
Cobalt, total	0.0012	0.0004	mg/L	4		03/07/25 0911	03/08/25 0304	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0304	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0304	RVV
Nickel, total	0.0094	0.0040	mg/L	4		03/07/25 0911	03/08/25 0304	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0304	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0304	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0304	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0304	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0304	RVV

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: MW-22
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-12

Collected By: JGH
Collection Date: 03/03/2025 10:59

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Acetone	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Chloroform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Benzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Toluene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Styrene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Bromoform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: MW-22
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-12

Collected By: JGH
Collection Date: 03/03/2025 10:59

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2221	CSM
Surrogate: Dibromofluoromethane	97.6	Limit: 75-136	% Rec	1		03/07/25 0000	03/07/25 2221	CSM
Surrogate: Dibromofluoromethane	97.6	Limit: 57-134	% Rec	1		03/07/25 0000	03/07/25 2221	CSM
Surrogate: 1,2-Dichloroethane-d4	93.7	Limit: 61-142	% Rec	1		03/07/25 0000	03/07/25 2221	CSM
Surrogate: 1,2-Dichloroethane-d4	93.7	Limit: 53-140	% Rec	1		03/07/25 0000	03/07/25 2221	CSM
Surrogate: Toluene-d8	95.6	Limit: 82-121	% Rec	1		03/07/25 0000	03/07/25 2221	CSM
Surrogate: Toluene-d8	95.6	Limit: 86-114	% Rec	1		03/07/25 0000	03/07/25 2221	CSM
Surrogate: 4-Bromofluorobenzene	94.2	Limit: 80-116	% Rec	1		03/07/25 0000	03/07/25 2221	CSM
Surrogate: 4-Bromofluorobenzene	94.2	Limit: 78-121	% Rec	1		03/07/25 0000	03/07/25 2221	CSM

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0310	RVV
Arsenic, total	0.0634	0.0040	mg/L	4		03/07/25 0911	03/08/25 0310	RVV
Barium, total	0.458	0.0040	mg/L	4		03/07/25 0911	03/08/25 0310	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0310	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/07/25 0911	03/08/25 0310	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/07/25 0911	03/08/25 0310	RVV
Cobalt, total	0.0023	0.0004	mg/L	4		03/07/25 0911	03/08/25 0310	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0310	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0310	RVV
Nickel, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0310	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0310	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0310	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0310	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0310	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0310	RVV

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID:	MW-25	Collected By:	JGH
Sample Matrix:	Aqueous	Collection Date:	03/03/2025 11:37
Lab Sample ID:	11C0308-13		

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Vinyl Chloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1310	CSM
Surrogate: Dibromofluoromethane	102	Limit: 57-134	% Rec	1		03/17/25 0000	03/17/25 1310	CSM
Surrogate: 1,2-Dichloroethane-d4	105	Limit: 53-140	% Rec	1		03/17/25 0000	03/17/25 1310	CSM
Surrogate: Toluene-d8	94.0	Limit: 86-114	% Rec	1		03/17/25 0000	03/17/25 1310	CSM
Surrogate: 4-Bromofluorobenzene	97.7	Limit: 78-121	% Rec	1		03/17/25 0000	03/17/25 1310	CSM

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Arsenic, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0316	RVV
Barium, total	0.0858	0.0040	mg/L	4		03/07/25 0911	03/08/25 0316	RVV

Client Sample ID:	MW-26	Collected By:	JGH
Sample Matrix:	Aqueous	Collection Date:	03/03/2025 11:25
Lab Sample ID:	11C0308-14		

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Vinyl Chloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1332	CSM
Surrogate: Dibromofluoromethane	107	Limit: 57-134	% Rec	1		03/17/25 0000	03/17/25 1332	CSM
Surrogate: 1,2-Dichloroethane-d4	111	Limit: 53-140	% Rec	1		03/17/25 0000	03/17/25 1332	CSM
Surrogate: Toluene-d8	94.1	Limit: 86-114	% Rec	1		03/17/25 0000	03/17/25 1332	CSM
Surrogate: 4-Bromofluorobenzene	94.4	Limit: 78-121	% Rec	1		03/17/25 0000	03/17/25 1332	CSM

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Arsenic, total	0.0212	0.0040	mg/L	4		03/07/25 0911	03/08/25 0322	RVV
Barium, total	0.517	0.0040	mg/L	4		03/07/25 0911	03/08/25 0322	RVV

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: Duplicate
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-15

Collected By: JGH
Collection Date: 03/03/2025 12:30

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D								
Chloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Acetone	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Carbon Disulfide	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Methylene Chloride	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Acrylonitrile	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Vinyl Acetate	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Bromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Chloroform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Benzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Trichloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Dibromomethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Bromodichloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Toluene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Dibromochloromethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Xylenes, total	<2.0	2.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Styrene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Bromoform	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM

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CERTIFICATE OF ANALYSIS

11C0308

Client Sample ID: Duplicate
Sample Matrix: Aqueous
Lab Sample ID: 11C0308-15

Collected By: JGH
Collection Date: 03/03/2025 12:30

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/07/25 0000	03/07/25 2244	CSM
Surrogate: Dibromofluoromethane	98.7	Limit: 57-134	% Rec	1		03/07/25 0000	03/07/25 2244	CSM
Surrogate: Dibromofluoromethane	98.7	Limit: 75-136	% Rec	1		03/07/25 0000	03/07/25 2244	CSM
Surrogate: 1,2-Dichloroethane-d4	93.0	Limit: 53-140	% Rec	1		03/07/25 0000	03/07/25 2244	CSM
Surrogate: 1,2-Dichloroethane-d4	93.0	Limit: 61-142	% Rec	1		03/07/25 0000	03/07/25 2244	CSM
Surrogate: Toluene-d8	95.1	Limit: 86-114	% Rec	1		03/07/25 0000	03/07/25 2244	CSM
Surrogate: Toluene-d8	95.1	Limit: 82-121	% Rec	1		03/07/25 0000	03/07/25 2244	CSM
Surrogate: 4-Bromofluorobenzene	93.0	Limit: 78-121	% Rec	1		03/07/25 0000	03/07/25 2244	CSM
Surrogate: 4-Bromofluorobenzene	93.0	Limit: 80-116	% Rec	1		03/07/25 0000	03/07/25 2244	CSM

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A								
Antimony, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0329	RVV
Arsenic, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0329	RVV
Barium, total	0.271	0.0040	mg/L	4		03/07/25 0911	03/08/25 0329	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0329	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/07/25 0911	03/08/25 0329	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/07/25 0911	03/08/25 0329	RVV
Cobalt, total	0.0033	0.0004	mg/L	4		03/07/25 0911	03/08/25 0329	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0329	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0329	RVV
Nickel, total	0.0063	0.0040	mg/L	4		03/07/25 0911	03/08/25 0329	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0329	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/07/25 0911	03/08/25 0329	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/07/25 0911	03/08/25 0329	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0329	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/07/25 0911	03/08/25 0329	RVV

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CERTIFICATE OF ANALYSIS

1IC0308

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1IC0311	1IC0311-BLK1	
		1IC0311-BS1	
		1IC0308-01	MW-9
		1IC0308-02	MW-17
		1IC0311-MS1	1IC0308-02
		1IC0311-MSD1	1IC0308-02
		1IC0311-PS1	1IC0308-02
		1IC0308-03	MW-18
		1IC0308-04	MW-19A
		1IC0308-05	MW-4
		1IC0308-06	MW-24
		1IC0308-07	MW-5
		1IC0308-08	MW-12
		1IC0308-09	MW-15R
		1IC0308-10	MW-20R
		1IC0308-11	MW-21
		1IC0308-12	MW-22
		1IC0308-13	MW-25
		1IC0308-14	MW-26
		1IC0308-15	Duplicate
Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IC0365	1IC0365-BS1	
		1IC0365-BSD1	
		1IC0365-BLK1	
		1IC0308-01	MW-9
		1IC0308-02	MW-17
		1IC0308-03	MW-18
		1IC0308-04	MW-19A
		1IC0308-05	MW-4
		1IC0308-06	MW-24
		1IC0308-07	MW-5
		1IC0308-08	MW-12
		1IC0308-09	MW-15R
		1IC0308-10	MW-20R
		1IC0308-11	MW-21
		1IC0308-12	MW-22
		1IC0308-15	Duplicate
		1IC0365-MS1	1IB1499-01
		1IC0365-MSD1	1IB1499-01

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CERTIFICATE OF ANALYSIS

1IC0308

Method	Batch	Laboratory ID	Client / Source ID
EPA 8270C	1IC0384	1IC0384-BLK1	
		1IC0384-BS1	
		1IC0384-BSD1	
		1IC0384-SRM1	
		1IC0308-07	MW-5

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IC0539	1IC0539-BS1	
		1IC0539-BSD1	
		1IC0539-BLK1	
		1IC0539-MS1	11C0459-01
		1IC0539-MSD1	11C0459-01

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IC0808	1IC0808-BS1	
		1IC0808-BSD1	
		1IC0808-BLK1	
		1IC0308-13RE1	MW-25
		1IC0308-14RE1	MW-26
		1IC0808-MS1	11C0568-01RE1
		1IC0808-MSD1	11C0568-01RE1

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 1IC0365 - EPA 5030B - EPA 8260D										

Blank (1IC0365-BLK1)				Prepared: 03/07/25 00:00 Analyzed: 03/07/25 14:04						
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							

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CERTIFICATE OF ANALYSIS

1IC0308

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0365 - EPA 5030B - EPA 8260D										
Blank (1IC0365-BLK1)										
Prepared: 03/07/25 00:00 Analyzed: 03/07/25 14:04										
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	44.1		ug/L	50.2		87.9	75-136			
Surrogate: Dibromofluoromethane	44.1		ug/L	50.2		87.9	57-134			
Surrogate: 1,2-Dichloroethane-d4	39.8		ug/L	50.1		79.5	61-142			
Surrogate: 1,2-Dichloroethane-d4	39.8		ug/L	50.1		79.5	53-140			
Surrogate: Toluene-d8	45.5		ug/L	50.4		90.4	82-121			
Surrogate: Toluene-d8	45.5		ug/L	50.4		90.4	86-114			
Surrogate: 4-Bromofluorobenzene	45.3		ug/L	50.1		90.3	80-116			
Surrogate: 4-Bromofluorobenzene	45.3		ug/L	50.1		90.3	78-121			
LCS (1IC0365-BS1)										
Prepared: 03/07/25 00:00 Analyzed: 03/07/25 12:57										
Chloromethane	22.73	1.0	ug/L	30.0		75.8	63-155			
Vinyl Chloride	25.73	1.0	ug/L	30.0		85.8	70-154			
Bromomethane	29.38	1.0	ug/L	30.0		97.9	52-176			

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CERTIFICATE OF ANALYSIS

1IC0308

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0365 - EPA 5030B - EPA 8260D										
LCS (1IC0365-BS1)				Prepared: 03/07/25 00:00 Analyzed: 03/07/25 12:57						
Chloroethane	27.93	1.0	ug/L	30.0		93.1	72-148			
Trichlorofluoromethane	29.05	1.0	ug/L	30.0		96.8	70-152			
1,1-Dichloroethylene	49.00	1.0	ug/L	50.0		98.0	70-148			
Acetone	83.19	10.0	ug/L	100		83.2	43-172			
Methyl Iodide	108.8	1.0	ug/L	100		109	69-170			
Carbon Disulfide	95.70	1.0	ug/L	100		95.7	72-162			
Methylene Chloride	49.77	5.0	ug/L	50.0		99.5	68-142			
Acrylonitrile	83.81	5.0	ug/L	100		83.8	56-135			
trans-1,2-Dichloroethylene	48.71	1.0	ug/L	50.0		97.4	66-148			
1,1-Dichloroethane	49.19	1.0	ug/L	50.0		98.4	66-143			
Vinyl Acetate	166.8	5.0	ug/L	156		107	43-153			
cis-1,2-Dichloroethylene	48.30	1.0	ug/L	50.0		96.6	71-149			
2-Butanone (MEK)	83.04	10.0	ug/L	100		83.0	52-159			
Bromochloromethane	45.61	1.0	ug/L	50.0		91.2	69-143			
Chloroform	50.42	1.0	ug/L	50.0		101	69-144			
1,1,1-Trichloroethane	49.30	1.0	ug/L	50.0		98.6	62-129			
Carbon Tetrachloride	49.84	1.0	ug/L	50.0		99.7	63-141			
Benzene	46.84	1.0	ug/L	50.0		93.7	71-134			
1,2-Dichloroethane	48.93	1.0	ug/L	50.0		97.9	72-132			
Trichloroethylene	49.24	1.0	ug/L	50.0		98.5	71-135			
1,2-Dichloropropane	47.79	1.0	ug/L	50.0		95.6	69-136			
Dibromomethane	50.33	1.0	ug/L	50.0		101	73-147			
Bromodichloromethane	51.49	1.0	ug/L	50.0		103	68-129			
cis-1,3-Dichloropropene	45.73	1.0	ug/L	50.0		91.5	65-134			
4-Methyl-2-pentanone (MIBK)	79.10	5.0	ug/L	100		79.1	58-147			
Toluene	47.30	1.0	ug/L	50.0		94.6	72-133			
trans-1,3-Dichloropropene	46.26	1.0	ug/L	50.0		92.5	67-130			
1,1,2-Trichloroethane	51.82	1.0	ug/L	50.0		104	69-135			
Tetrachloroethylene	51.19	1.0	ug/L	50.0		102	69-130			
2-Hexanone (MBK)	71.51	5.0	ug/L	100		71.5	55-144			
Dibromochloromethane	51.75	1.0	ug/L	50.0		104	73-127			
1,2-Dibromoethane	49.23	1.0	ug/L	50.0		98.5	67-132			
Chlorobenzene	47.70	1.0	ug/L	50.0		95.4	72-123			
1,1,1,2-Tetrachloroethane	51.48	1.0	ug/L	50.0		103	73-127			
Ethylbenzene	47.16	1.0	ug/L	50.0		94.3	71-127			
Xylenes, total	142.9	2.0	ug/L	150		95.3	74-127			
Styrene	51.03	1.0	ug/L	50.0		102	66-126			
Bromoform	49.92	1.0	ug/L	50.0		99.8	68-130			
1,2,3-Trichloropropane	46.66	1.0	ug/L	50.0		93.3	63-136			
trans-1,4-Dichloro-2-butene	81.48	5.0	ug/L	100		81.5	54-134			
1,1,2,2-Tetrachloroethane	46.27	1.0	ug/L	50.0		92.5	61-131			
1,4-Dichlorobenzene	46.12	1.0	ug/L	50.0		92.2	70-129			
1,2-Dichlorobenzene	49.43	1.0	ug/L	50.0		98.9	69-126			

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CERTIFICATE OF ANALYSIS

11C0308

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11C0365 - EPA 5030B - EPA 8260D										
LCS (11C0365-BS1)										
				Prepared: 03/07/25 00:00 Analyzed: 03/07/25 12:57						
1,2-Dibromo-3-chloropropane	42.53	5.0	ug/L	50.0		85.1	50-143			
Surrogate: Dibromofluoromethane	51.0		ug/L	50.2		102	75-136			
Surrogate: Dibromofluoromethane	51.0		ug/L	50.2		102	57-134			
Surrogate: 1,2-Dichloroethane-d4	47.6		ug/L	50.1		95.0	61-142			
Surrogate: 1,2-Dichloroethane-d4	47.6		ug/L	50.1		95.0	53-140			
Surrogate: Toluene-d8	48.5		ug/L	50.4		96.3	82-121			
Surrogate: Toluene-d8	48.5		ug/L	50.4		96.3	86-114			
Surrogate: 4-Bromofluorobenzene	48.7		ug/L	50.1		97.1	80-116			
Surrogate: 4-Bromofluorobenzene	48.7		ug/L	50.1		97.1	78-121			
LCS Dup (11C0365-BS1)										
				Prepared: 03/07/25 00:00 Analyzed: 03/07/25 13:20						
Chloromethane	23.70	1.0	ug/L	30.0		79.0	63-155	4.18	24	
Vinyl Chloride	26.04	1.0	ug/L	30.0		86.8	70-154	1.20	25	
Bromomethane	28.91	1.0	ug/L	30.0		96.4	52-176	1.61	27	
Chloroethane	28.29	1.0	ug/L	30.0		94.3	72-148	1.28	25	
Trichlorofluoromethane	28.58	1.0	ug/L	30.0		95.3	70-152	1.63	26	
1,1-Dichloroethylene	50.02	1.0	ug/L	50.0		100	70-148	2.06	24	
Acetone	84.63	10.0	ug/L	100		84.6	43-172	1.72	30	
Methyl Iodide	111.5	1.0	ug/L	100		111	69-170	2.43	30	
Carbon Disulfide	95.71	1.0	ug/L	100		95.7	72-162	0.0105	24	
Methylene Chloride	51.05	5.0	ug/L	50.0		102	68-142	2.54	21	
Acrylonitrile	82.88	5.0	ug/L	100		82.9	56-135	1.12	16	
trans-1,2-Dichloroethylene	49.75	1.0	ug/L	50.0		99.5	66-148	2.11	27	
1,1-Dichloroethane	49.35	1.0	ug/L	50.0		98.7	66-143	0.325	24	
Vinyl Acetate	167.3	5.0	ug/L	156		107	43-153	0.305	30	
cis-1,2-Dichloroethylene	49.44	1.0	ug/L	50.0		98.9	71-149	2.33	26	
2-Butanone (MEK)	89.05	10.0	ug/L	100		89.0	52-159	6.98	27	
Bromochloromethane	45.86	1.0	ug/L	50.0		91.7	69-143	0.547	23	
Chloroform	51.05	1.0	ug/L	50.0		102	69-144	1.24	23	
1,1,1-Trichloroethane	49.41	1.0	ug/L	50.0		98.8	62-129	0.223	24	
Carbon Tetrachloride	50.89	1.0	ug/L	50.0		102	63-141	2.08	25	
Benzene	50.00	1.0	ug/L	50.0		100	71-134	6.53	24	
1,2-Dichloroethane	52.39	1.0	ug/L	50.0		105	72-132	6.83	24	
Trichloroethylene	53.49	1.0	ug/L	50.0		107	71-135	8.27	24	
1,2-Dichloropropane	51.26	1.0	ug/L	50.0		103	69-136	7.01	24	
Dibromomethane	52.11	1.0	ug/L	50.0		104	73-147	3.48	25	
Bromodichloromethane	54.53	1.0	ug/L	50.0		109	68-129	5.73	22	
cis-1,3-Dichloropropene	49.13	1.0	ug/L	50.0		98.3	65-134	7.17	23	
4-Methyl-2-pentanone (MIBK)	85.70	5.0	ug/L	100		85.7	58-147	8.01	27	
Toluene	49.36	1.0	ug/L	50.0		98.7	72-133	4.26	24	
trans-1,3-Dichloropropene	49.40	1.0	ug/L	50.0		98.8	67-130	6.56	24	
1,1,2-Trichloroethane	54.93	1.0	ug/L	50.0		110	69-135	5.83	23	
Tetrachloroethylene	52.61	1.0	ug/L	50.0		105	69-130	2.74	25	
2-Hexanone (MBK)	77.00	5.0	ug/L	100		77.0	55-144	7.39	25	

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CERTIFICATE OF ANALYSIS

11C0308

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11C0365 - EPA 5030B - EPA 8260D										
LCS Dup (11C0365-BSD1)										
Prepared: 03/07/25 00:00 Analyzed: 03/07/25 13:20										
Dibromochloromethane	54.01	1.0	ug/L	50.0		108	73-127	4.27	22	
1,2-Dibromoethane	51.96	1.0	ug/L	50.0		104	67-132	5.40	24	
Chlorobenzene	49.30	1.0	ug/L	50.0		98.6	72-123	3.30	23	
1,1,1,2-Tetrachloroethane	54.27	1.0	ug/L	50.0		109	73-127	5.28	24	
Ethylbenzene	49.87	1.0	ug/L	50.0		99.7	71-127	5.59	26	
Xylenes, total	149.3	2.0	ug/L	150		99.5	74-127	4.37	25	
Styrene	54.22	1.0	ug/L	50.0		108	66-126	6.06	23	
Bromoform	51.65	1.0	ug/L	50.0		103	68-130	3.41	23	
1,2,3-Trichloropropane	49.57	1.0	ug/L	50.0		99.1	63-136	6.05	24	
trans-1,4-Dichloro-2-butene	84.83	5.0	ug/L	100		84.8	54-134	4.03	27	
1,1,1,2-Tetrachloroethane	47.69	1.0	ug/L	50.0		95.4	61-131	3.02	29	
1,4-Dichlorobenzene	47.38	1.0	ug/L	50.0		94.8	70-129	2.70	24	
1,2-Dichlorobenzene	50.74	1.0	ug/L	50.0		101	69-126	2.62	26	
1,2-Dibromo-3-chloropropane	43.38	5.0	ug/L	50.0		86.8	50-143	1.98	30	
Surrogate: Dibromofluoromethane	49.8		ug/L	50.2		99.3	75-136			
Surrogate: Dibromofluoromethane	49.8		ug/L	50.2		99.3	57-134			
Surrogate: 1,2-Dichloroethane-d4	46.6		ug/L	50.1		93.0	61-142			
Surrogate: 1,2-Dichloroethane-d4	46.6		ug/L	50.1		93.0	53-140			
Surrogate: Toluene-d8	50.1		ug/L	50.4		99.4	82-121			
Surrogate: Toluene-d8	50.1		ug/L	50.4		99.4	86-114			
Surrogate: 4-Bromofluorobenzene	49.6		ug/L	50.1		98.9	80-116			
Surrogate: 4-Bromofluorobenzene	49.6		ug/L	50.1		98.9	78-121			
Matrix Spike (11C0365-MS1)										
Source: 11B1499-01 Prepared: 03/07/25 00:00 Analyzed: 03/07/25 23:06										
Chloromethane	232.6	10.0	ug/L	300	ND	77.5	61-152			
Vinyl Chloride	280.1	10.0	ug/L	300	ND	93.4	66-149			
Bromomethane	236.6	10.0	ug/L	300	ND	78.9	43-171			
Chloroethane	307.5	10.0	ug/L	300	ND	102	69-148			
Trichlorofluoromethane	330.7	10.0	ug/L	300	ND	110	62-163			
1,1-Dichloroethylene	507.5	10.0	ug/L	500	ND	102	70-148			
Acetone	1327	100	ug/L	1000	ND	133	45-173			
Methyl Iodide	1103	10.0	ug/L	1000	ND	110	62-167			
Carbon Disulfide	1027	10.0	ug/L	1000	ND	103	71-163			
Methylene Chloride	522.7	50.0	ug/L	500	ND	105	69-140			
Acrylonitrile	930.3	50.0	ug/L	1000	ND	93.0	38-147			
trans-1,2-Dichloroethylene	545.9	10.0	ug/L	500	ND	109	69-144			
1,1-Dichloroethane	553.5	10.0	ug/L	500	ND	111	70-138			
Vinyl Acetate	1790	50.0	ug/L	1560	ND	115	58-142			
cis-1,2-Dichloroethylene	532.8	10.0	ug/L	500	ND	107	68-151			
2-Butanone (MEK)	985.6	100	ug/L	1000	ND	98.6	50-160			
Bromochloromethane	503.8	10.0	ug/L	500	ND	101	65-143			
Chloroform	561.0	10.0	ug/L	500	ND	112	71-143			
1,1,1-Trichloroethane	559.9	10.0	ug/L	500	ND	112	63-133			
Carbon Tetrachloride	573.0	10.0	ug/L	500	ND	115	63-142			

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CERTIFICATE OF ANALYSIS

11C0308

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11C0365 - EPA 5030B - EPA 8260D										
Matrix Spike (11C0365-MS1)	Source: 11B1499-01			Prepared: 03/07/25 00:00 Analyzed: 03/07/25 23:06						
Benzene	510.2	10.0	ug/L	500	ND	102	69-133			
1,2-Dichloroethane	552.9	10.0	ug/L	500	ND	111	63-138			
Trichloroethylene	548.4	10.0	ug/L	500	ND	110	71-133			
1,2-Dichloropropane	520.6	10.0	ug/L	500	ND	104	69-132			
Dibromomethane	539.5	10.0	ug/L	500	ND	108	70-147			
Bromodichloromethane	561.6	10.0	ug/L	500	ND	112	67-130			
cis-1,3-Dichloropropene	451.0	10.0	ug/L	500	ND	90.2	61-126			
4-Methyl-2-pentanone (MIBK)	920.1	50.0	ug/L	1000	ND	92.0	55-147			
Toluene	503.0	10.0	ug/L	500	ND	101	71-133			
trans-1,3-Dichloropropene	492.6	10.0	ug/L	500	5.14	97.5	63-124			
1,1,2-Trichloroethane	564.9	10.0	ug/L	500	ND	113	69-133			
Tetrachloroethylene	546.0	10.0	ug/L	500	ND	109	70-124			
2-Hexanone (MBK)	976.1	50.0	ug/L	1000	ND	97.6	53-141			
Dibromochloromethane	532.6	10.0	ug/L	500	ND	107	74-122			
1,2-Dibromoethane	518.7	10.0	ug/L	500	ND	104	66-127			
Chlorobenzene	490.9	10.0	ug/L	500	ND	98.2	76-116			
1,1,1,2-Tetrachloroethane	525.6	10.0	ug/L	500	ND	105	77-121			
Ethylbenzene	502.0	10.0	ug/L	500	ND	100	73-124			
Xylenes, total	1521	20.0	ug/L	1500	ND	101	75-123			
Styrene	527.8	10.0	ug/L	500	ND	106	70-120			
Bromoform	523.9	10.0	ug/L	500	ND	105	70-124			
1,2,3-Trichloropropane	508.5	10.0	ug/L	500	ND	102	62-135			
trans-1,4-Dichloro-2-butene	833.8	50.0	ug/L	1000	ND	83.4	50-120			
1,1,2,2-Tetrachloroethane	467.8	10.0	ug/L	500	ND	93.6	63-126			
1,4-Dichlorobenzene	457.6	10.0	ug/L	500	ND	91.5	72-119			
1,2-Dichlorobenzene	500.0	10.0	ug/L	500	ND	100	71-117			
1,2-Dibromo-3-chloropropane	436.9	50.0	ug/L	500	ND	87.4	49-134			
Surrogate: Dibromofluoromethane	557		ug/L	502		111	57-134			
Surrogate: Dibromofluoromethane	557		ug/L	502		111	75-136			
Surrogate: 1,2-Dichloroethane-d4	546		ug/L	501		109	53-140			
Surrogate: 1,2-Dichloroethane-d4	546		ug/L	501		109	61-142			
Surrogate: Toluene-d8	495		ug/L	504		98.2	86-114			
Surrogate: Toluene-d8	495		ug/L	504		98.2	82-121			
Surrogate: 4-Bromofluorobenzene	503		ug/L	501		100	78-121			
Surrogate: 4-Bromofluorobenzene	503		ug/L	501		100	80-116			
Matrix Spike Dup (11C0365-MSD1)	Source: 11B1499-01			Prepared: 03/07/25 00:00 Analyzed: 03/07/25 23:28						
Chloromethane	255.4	10.0	ug/L	300	ND	85.1	61-152	9.34	26	
Vinyl Chloride	290.3	10.0	ug/L	300	ND	96.8	66-149	3.58	23	
Bromomethane	243.2	10.0	ug/L	300	ND	81.1	43-171	2.75	29	
Chloroethane	317.9	10.0	ug/L	300	ND	106	69-148	3.33	25	
Trichlorofluoromethane	333.5	10.0	ug/L	300	ND	111	62-163	0.843	25	
1,1-Dichloroethylene	525.7	10.0	ug/L	500	ND	105	70-148	3.52	22	
Acetone	1344	100	ug/L	1000	ND	134	45-173	1.27	30	

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CERTIFICATE OF ANALYSIS

11C0308

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11C0365 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (11C0365-MSD1)	Source: 11B1499-01			Prepared: 03/07/25 00:00 Analyzed: 03/07/25 23:28						
Methyl Iodide	1115	10.0	ug/L	1000	ND	111	62-167	1.03	24	
Carbon Disulfide	1023	10.0	ug/L	1000	ND	102	71-163	0.371	22	
Methylene Chloride	521.6	50.0	ug/L	500	ND	104	69-140	0.211	19	
Acrylonitrile	917.8	50.0	ug/L	1000	ND	91.8	38-147	1.35	30	
trans-1,2-Dichloroethylene	541.8	10.0	ug/L	500	ND	108	69-144	0.754	22	
1,1-Dichloroethane	543.2	10.0	ug/L	500	ND	109	70-138	1.88	20	
Vinyl Acetate	1806	50.0	ug/L	1560	ND	116	58-142	0.895	24	
cis-1,2-Dichloroethylene	522.0	10.0	ug/L	500	ND	104	68-151	2.05	22	
2-Butanone (MEK)	1000	100	ug/L	1000	ND	100	50-160	1.49	23	
Bromochloromethane	503.2	10.0	ug/L	500	ND	101	65-143	0.119	22	
Chloroform	565.2	10.0	ug/L	500	ND	113	71-143	0.746	21	
1,1,1-Trichloroethane	566.9	10.0	ug/L	500	ND	113	63-133	1.24	23	
Carbon Tetrachloride	582.4	10.0	ug/L	500	ND	116	63-142	1.63	22	
Benzene	517.4	10.0	ug/L	500	ND	103	69-133	1.40	18	
1,2-Dichloroethane	560.9	10.0	ug/L	500	ND	112	63-138	1.44	20	
Trichloroethylene	559.7	10.0	ug/L	500	ND	112	71-133	2.04	23	
1,2-Dichloropropane	532.8	10.0	ug/L	500	ND	107	69-132	2.32	20	
Dibromomethane	545.1	10.0	ug/L	500	ND	109	70-147	1.03	22	
Bromodichloromethane	561.0	10.0	ug/L	500	ND	112	67-130	0.107	21	
cis-1,3-Dichloropropene	534.4	10.0	ug/L	500	ND	107	61-126	16.9	21	
4-Methyl-2-pentanone (MIBK)	1153	50.0	ug/L	1000	ND	115	55-147	22.5	23	
Toluene	541.8	10.0	ug/L	500	ND	108	71-133	7.43	19	
trans-1,3-Dichloropropene	504.9	10.0	ug/L	500	5.14	100	63-124	2.47	21	
1,1,2-Trichloroethane	569.0	10.0	ug/L	500	ND	114	69-133	0.723	19	
Tetrachloroethylene	537.6	10.0	ug/L	500	ND	108	70-124	1.55	24	
2-Hexanone (MBK)	911.8	50.0	ug/L	1000	ND	91.2	53-141	6.81	24	
Dibromochloromethane	525.6	10.0	ug/L	500	ND	105	74-122	1.32	21	
1,2-Dibromoethane	515.6	10.0	ug/L	500	ND	103	66-127	0.599	23	
Chlorobenzene	490.5	10.0	ug/L	500	ND	98.1	76-116	0.0815	21	
1,1,1,2-Tetrachloroethane	526.1	10.0	ug/L	500	ND	105	77-121	0.0951	25	
Ethylbenzene	497.8	10.0	ug/L	500	ND	99.6	73-124	0.840	20	
Xylenes, total	1526	20.0	ug/L	1500	ND	102	75-123	0.322	20	
Styrene	531.7	10.0	ug/L	500	ND	106	70-120	0.736	23	
Bromoform	508.6	10.0	ug/L	500	ND	102	70-124	2.96	22	
1,2,3-Trichloropropane	486.9	10.0	ug/L	500	ND	97.4	62-135	4.34	28	
trans-1,4-Dichloro-2-butene	823.9	50.0	ug/L	1000	ND	82.4	50-120	1.19	26	
1,1,2,2-Tetrachloroethane	466.1	10.0	ug/L	500	ND	93.2	63-126	0.364	24	
1,4-Dichlorobenzene	466.6	10.0	ug/L	500	ND	93.3	72-119	1.95	24	
1,2-Dichlorobenzene	496.3	10.0	ug/L	500	ND	99.3	71-117	0.743	24	
1,2-Dibromo-3-chloropropane	452.6	50.0	ug/L	500	ND	90.5	49-134	3.53	28	
Surrogate: Dibromofluoromethane	541		ug/L	502		108	57-134			
Surrogate: Dibromofluoromethane	541		ug/L	502		108	75-136			

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CERTIFICATE OF ANALYSIS

1IC0308

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0365 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1IC0365-MSD1)	Source: 1IB1499-01			Prepared: 03/07/25 00:00 Analyzed: 03/07/25 23:28						
Surrogate: 1,2-Dichloroethane-d4	517		ug/L	501		103	53-140			
Surrogate: 1,2-Dichloroethane-d4	517		ug/L	501		103	61-142			
Surrogate: Toluene-d8	552		ug/L	504		110	86-114			
Surrogate: Toluene-d8	552		ug/L	504		110	82-121			
Surrogate: 4-Bromofluorobenzene	486		ug/L	501		96.8	78-121			
Surrogate: 4-Bromofluorobenzene	486		ug/L	501		96.8	80-116			
Batch 1IC0539 - EPA 5030B - EPA 8260D										
Blank (1IC0539-BLK1)	Prepared: 03/11/25 00:00 Analyzed: 03/11/25 14:17									
Vinyl Chloride	<1.0	1.0	ug/L							
Surrogate: Dibromofluoromethane	47.0		ug/L	50.2		93.8	57-134			
Surrogate: 1,2-Dichloroethane-d4	40.8		ug/L	50.1		81.4	53-140			
Surrogate: Toluene-d8	48.8		ug/L	50.4		96.9	86-114			
Surrogate: 4-Bromofluorobenzene	47.0		ug/L	50.1		93.7	78-121			
LCS (1IC0539-BS1)	Prepared: 03/11/25 00:00 Analyzed: 03/11/25 13:10									
Vinyl Chloride	<1.0	1.0	ug/L				65-137			
Surrogate: Dibromofluoromethane	52.3		ug/L	50.2		104	57-134			
Surrogate: 1,2-Dichloroethane-d4	46.6		ug/L	50.1		93.0	53-140			
Surrogate: Toluene-d8	50.3		ug/L	50.4		99.8	86-114			
Surrogate: 4-Bromofluorobenzene	50.0		ug/L	50.1		99.7	78-121			
LCS Dup (1IC0539-BSD1)	Prepared: 03/11/25 00:00 Analyzed: 03/11/25 13:32									
Vinyl Chloride	<1.0	1.0	ug/L				65-137		20	
Surrogate: Dibromofluoromethane	52.5		ug/L	50.2		105	57-134			
Surrogate: 1,2-Dichloroethane-d4	47.3		ug/L	50.1		94.4	53-140			
Surrogate: Toluene-d8	50.8		ug/L	50.4		101	86-114			
Surrogate: 4-Bromofluorobenzene	49.8		ug/L	50.1		99.3	78-121			
Matrix Spike (1IC0539-MS1)	Source: 1IC0459-01			Prepared: 03/11/25 00:00 Analyzed: 03/11/25 19:05						
Vinyl Chloride	<10.0	10.0	ug/L		ND		55-142			
Surrogate: Dibromofluoromethane	558		ug/L	502		111	57-134			
Surrogate: 1,2-Dichloroethane-d4	512		ug/L	501		102	53-140			
Surrogate: Toluene-d8	562		ug/L	504		112	86-114			
Surrogate: 4-Bromofluorobenzene	512		ug/L	501		102	78-121			
Matrix Spike Dup (1IC0539-MSD1)	Source: 1IC0459-01			Prepared: 03/11/25 00:00 Analyzed: 03/11/25 19:27						
Vinyl Chloride	<10.0	10.0	ug/L		ND		55-142		20	
Surrogate: Dibromofluoromethane	553		ug/L	502		110	57-134			
Surrogate: 1,2-Dichloroethane-d4	504		ug/L	501		101	53-140			
Surrogate: Toluene-d8	508		ug/L	504		101	86-114			
Surrogate: 4-Bromofluorobenzene	495		ug/L	501		98.8	78-121			

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CERTIFICATE OF ANALYSIS

1IC0308

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0808 - EPA 5030B - EPA 8260D										
Blank (1IC0808-BLK1)				Prepared: 03/17/25 00:00 Analyzed: 03/17/25 12:48						
Vinyl Chloride	<1.0	1.0	ug/L							
Surrogate: Dibromofluoromethane	51.9		ug/L	50.2		104	57-134			
Surrogate: 1,2-Dichloroethane-d4	51.8		ug/L	50.1		103	53-140			
Surrogate: Toluene-d8	46.5		ug/L	50.4		92.3	86-114			
Surrogate: 4-Bromofluorobenzene	49.1		ug/L	50.1		98.0	78-121			
LCS (1IC0808-BS1)				Prepared: 03/17/25 00:00 Analyzed: 03/17/25 11:41						
Vinyl Chloride	31.56	1.0	ug/L	30.2		104	65-137			
Surrogate: Dibromofluoromethane	55.7		ug/L	50.2		111	57-134			
Surrogate: 1,2-Dichloroethane-d4	55.5		ug/L	50.1		111	53-140			
Surrogate: Toluene-d8	48.8		ug/L	50.4		96.8	86-114			
Surrogate: 4-Bromofluorobenzene	50.9		ug/L	50.1		102	78-121			
LCS Dup (1IC0808-BSD1)				Prepared: 03/17/25 00:00 Analyzed: 03/17/25 12:03						
Vinyl Chloride	29.02	1.0	ug/L	30.2		95.9	65-137	8.39	20	
Surrogate: Dibromofluoromethane	58.5		ug/L	50.2		117	57-134			
Surrogate: 1,2-Dichloroethane-d4	62.6		ug/L	50.1		125	53-140			
Surrogate: Toluene-d8	50.5		ug/L	50.4		100	86-114			
Surrogate: 4-Bromofluorobenzene	51.6		ug/L	50.1		103	78-121			
Matrix Spike (1IC0808-MS1)				Source: 1IC0568-01RE1 Prepared: 03/17/25 00:00 Analyzed: 03/17/25 23:32						
Vinyl Chloride	299.9	10.0	ug/L	302	ND	99.1	55-142			
Surrogate: Dibromofluoromethane	606		ug/L	502		121	57-134			
Surrogate: 1,2-Dichloroethane-d4	648		ug/L	501		129	53-140			
Surrogate: Toluene-d8	505		ug/L	504		100	86-114			
Surrogate: 4-Bromofluorobenzene	537		ug/L	501		107	78-121			
Matrix Spike Dup (1IC0808-MSD1)				Source: 1IC0568-01RE1 Prepared: 03/17/25 00:00 Analyzed: 03/17/25 23:55						
Vinyl Chloride	297.2	10.0	ug/L	302	ND	98.3	55-142	0.904	20	
Surrogate: Dibromofluoromethane	604		ug/L	502		120	57-134			
Surrogate: 1,2-Dichloroethane-d4	661		ug/L	501		132	53-140			
Surrogate: Toluene-d8	500		ug/L	504		99.3	86-114			
Surrogate: 4-Bromofluorobenzene	531		ug/L	501		106	78-121			
Determination of Base/Neutral Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0384 - 3520C B/N Cont Liq - EPA 8270C										
Blank (1IC0384-BLK1)				Prepared: 03/10/25 11:13 Analyzed: 03/12/25 14:50						
Bis(2-Ethylhexyl) Phthalate	8.2	6	ug/L							B1
Surrogate: Nitrobenzene-d5	19.1		ug/L	20.6		92.9	20-149			
Surrogate: 2-Fluorobiphenyl	17.8		ug/L	19.5		91.1	11-146			

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CERTIFICATE OF ANALYSIS

11C0308

Determination of Base/Neutral Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11C0384 - 3520C B/N Cont Liq - EPA 8270C									
Blank (11C0384-BLK1) Prepared: 03/10/25 11:13 Analyzed: 03/12/25 14:50									
Surrogate: Terphenyl-d14	22.6		ug/L	20.6		110 27-155			
LCS (11C0384-BS1) Prepared: 03/10/25 11:13 Analyzed: 03/12/25 15:14									
Bis(2-Ethylhexyl) Phthalate	11.0	6	ug/L	10.0		110 27-186			
Surrogate: Nitrobenzene-d5	19.6		ug/L	20.6		95.3 31-137			
Surrogate: 2-Fluorobiphenyl	18.2		ug/L	19.5		93.4 29-131			
Surrogate: Terphenyl-d14	23.0		ug/L	20.6		111 30-142			
LCS Dup (11C0384-BSD1) Prepared: 03/10/25 11:13 Analyzed: 03/12/25 15:39									
Bis(2-Ethylhexyl) Phthalate	11.2	6	ug/L	10.0		112 27-186	1.08	30	
Surrogate: Nitrobenzene-d5	17.0		ug/L	20.6		82.5 31-137			
Surrogate: 2-Fluorobiphenyl	16.2		ug/L	19.5		82.9 29-131			
Surrogate: Terphenyl-d14	23.3		ug/L	20.6		113 30-142			
Reference (11C0384-SRM1) Prepared: 03/10/25 11:13 Analyzed: 03/12/25 16:03									
Bis(2-Ethylhexyl) Phthalate	10.5	6	ug/L	10.0		105 80-120			
Surrogate: Nitrobenzene-d5	22.9		ug/L	20.6		111 20-149			
Surrogate: 2-Fluorobiphenyl	22.3		ug/L	19.5		114 11-146			
Surrogate: Terphenyl-d14	23.0		ug/L	20.6		111 27-155			

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 11C0311 - EPA 3005A Total Recoverable Metals - EPA 6020A									
Blank (11C0311-BLK1) Prepared: 03/07/25 09:11 Analyzed: 03/08/25 01:07									
Antimony, total	<0.0020	0.0020	mg/L						
Arsenic, total	<0.0040	0.0040	mg/L						
Barium, total	<0.0040	0.0040	mg/L						
Beryllium, total	<0.0040	0.0040	mg/L						
Cadmium, total	<0.0008	0.0008	mg/L						
Chromium, total	<0.0080	0.0080	mg/L						
Cobalt, total	<0.0004	0.0004	mg/L						
Copper, total	<0.0040	0.0040	mg/L						
Lead, total	<0.0040	0.0040	mg/L						
Nickel, total	<0.0040	0.0040	mg/L						
Selenium, total	<0.0040	0.0040	mg/L						
Silver, total	<0.0040	0.0040	mg/L						
Thallium, total	<0.0020	0.0020	mg/L						
Vanadium, total	<0.0200	0.0200	mg/L						
Zinc, total	<0.0200	0.0200	mg/L						
LCS (11C0311-BS1) Prepared: 03/07/25 09:11 Analyzed: 03/08/25 01:14									
Antimony, total	0.0981	0.0020	mg/L	0.100		98.1 80-120			

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Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0311 - EPA 3005A Total Recoverable Metals - EPA 6020A										
LCS (1IC0311-BS1) Prepared: 03/07/25 09:11 Analyzed: 03/08/25 01:14										
Arsenic, total	0.0938	0.0040	mg/L	0.100		93.8	80-120			
Barium, total	0.102	0.0040	mg/L	0.100		102	80-120			
Beryllium, total	0.0985	0.0040	mg/L	0.100		98.5	80-120			
Cadmium, total	0.0966	0.0008	mg/L	0.100		96.6	80-120			
Chromium, total	0.0935	0.0080	mg/L	0.100		93.5	80-120			
Cobalt, total	0.0920	0.0004	mg/L	0.100		92.0	80-120			
Copper, total	0.0917	0.0040	mg/L	0.100		91.7	80-120			
Lead, total	0.0950	0.0040	mg/L	0.100		95.0	80-120			
Nickel, total	0.0906	0.0040	mg/L	0.100		90.6	80-120			
Selenium, total	0.0952	0.0040	mg/L	0.100		95.2	80-120			
Silver, total	0.0952	0.0040	mg/L	0.100		95.2	80-120			
Thallium, total	0.0940	0.0020	mg/L	0.100		94.0	80-120			
Vanadium, total	0.0943	0.0200	mg/L	0.100		94.3	80-120			
Zinc, total	0.0947	0.0200	mg/L	0.100		94.7	80-120			
Matrix Spike (1IC0311-MS1) Source: 1IC0308-02 Prepared: 03/07/25 09:11 Analyzed: 03/08/25 01:32										
Antimony, total	0.101	0.0020	mg/L	0.100	ND	101	75-125			
Arsenic, total	0.0968	0.0040	mg/L	0.100	0.0018	95.0	75-125			
Barium, total	0.255	0.0040	mg/L	0.100	0.152	103	75-125			
Beryllium, total	0.101	0.0040	mg/L	0.100	ND	101	75-125			
Cadmium, total	0.0963	0.0008	mg/L	0.100	0.0004	95.9	75-125			
Chromium, total	0.0945	0.0080	mg/L	0.100	0.0021	92.5	75-125			
Cobalt, total	0.0988	0.0004	mg/L	0.100	0.0019	96.9	75-125			
Copper, total	0.0917	0.0040	mg/L	0.100	0.0031	88.6	75-125			
Lead, total	0.0968	0.0040	mg/L	0.100	ND	96.8	75-125			
Nickel, total	0.0973	0.0040	mg/L	0.100	0.0068	90.5	75-125			
Selenium, total	0.0973	0.0040	mg/L	0.100	ND	97.3	75-125			
Silver, total	0.0940	0.0040	mg/L	0.100	ND	94.0	75-125			
Thallium, total	0.0968	0.0020	mg/L	0.100	ND	96.8	75-125			
Vanadium, total	0.103	0.0200	mg/L	0.100	ND	103	75-125			
Zinc, total	0.0958	0.0200	mg/L	0.100	ND	95.8	75-125			
Matrix Spike Dup (1IC0311-MSD1) Source: 1IC0308-02 Prepared: 03/07/25 09:11 Analyzed: 03/08/25 01:50										
Antimony, total	0.0999	0.0020	mg/L	0.100	ND	99.9	75-125	0.621	20	
Arsenic, total	0.0980	0.0040	mg/L	0.100	0.0018	96.2	75-125	1.26	20	
Barium, total	0.258	0.0040	mg/L	0.100	0.152	106	75-125	1.20	20	
Beryllium, total	0.101	0.0040	mg/L	0.100	ND	101	75-125	0.328	20	
Cadmium, total	0.0939	0.0008	mg/L	0.100	0.0004	93.5	75-125	2.52	20	
Chromium, total	0.0942	0.0080	mg/L	0.100	0.0021	92.1	75-125	0.350	20	
Cobalt, total	0.101	0.0004	mg/L	0.100	0.0019	98.9	75-125	1.99	20	
Copper, total	0.0925	0.0040	mg/L	0.100	0.0031	89.4	75-125	0.872	20	
Lead, total	0.0959	0.0040	mg/L	0.100	ND	95.9	75-125	0.876	20	
Nickel, total	0.0989	0.0040	mg/L	0.100	0.0068	92.1	75-125	1.61	20	
Selenium, total	0.0975	0.0040	mg/L	0.100	ND	97.5	75-125	0.202	20	
Silver, total	0.0949	0.0040	mg/L	0.100	ND	94.9	75-125	0.992	20	

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CERTIFICATE OF ANALYSIS

11C0308

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11C0311 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Matrix Spike Dup (11C0311-MSD1) Source: 11C0308-02 Prepared: 03/07/25 09:11 Analyzed: 03/08/25 01:50										
Thallium, total	0.0961	0.0020	mg/L	0.100	ND	96.1	75-125	0.668	20	
Vanadium, total	0.103	0.0200	mg/L	0.100	ND	103	75-125	0.195	20	
Zinc, total	0.0965	0.0200	mg/L	0.100	ND	96.5	75-125	0.777	20	
Post Spike (11C0311-PS1) Source: 11C0308-02 Prepared: 03/07/25 09:11 Analyzed: 03/08/25 01:56										
Antimony, total	0.0817		mg/L	0.0800	0.0001	102	80-120			
Arsenic, total	0.0816		mg/L	0.0800	0.0018	99.8	80-120			
Barium, total	0.233		mg/L	0.0800	0.149	106	80-120			
Beryllium, total	0.0823		mg/L	0.0800	0.00003	103	80-120			
Cadmium, total	0.0769		mg/L	0.0800	0.0004	95.7	80-120			
Chromium, total	0.0775		mg/L	0.0800	0.0020	94.4	80-120			
Cobalt, total	0.0827		mg/L	0.0800	0.0019	101	80-120			
Copper, total	0.0765		mg/L	0.0800	0.0030	91.9	80-120			
Lead, total	0.0783		mg/L	0.0800	0.0002	97.7	80-120			
Nickel, total	0.0841		mg/L	0.0800	0.0067	96.9	80-120			
Selenium, total	0.0782		mg/L	0.0800	0.0014	95.9	80-120			
Silver, total	0.0775		mg/L	0.0800	-0.00004	96.9	80-120			
Thallium, total	0.0786		mg/L	0.0800	0.00008	98.2	80-120			
Vanadium, total	0.0863		mg/L	0.0800	0.0074	98.6	80-120			
Zinc, total	0.0780		mg/L	0.0800	0.0026	94.2	80-120			

Definitions

B1:	The target analyte was detected in the method blank at or above the method acceptance criteria. The sample concentration is below the method acceptance criteria.
RL:	Reporting Limit
RPD:	Relative Percent Difference

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 0.0°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
03/26/25 15:29



600 East
Newtown
641-791



1 I C 0 3 0 8

HLW Engineering
PM: Heather Murphy

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SITE INFORMATION

Sampler: JGH
Project: South Dallas Co. - New Regs
Appendix Sampling

REPORT TO

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

INVOICE TO

Mike Fountas
South Dallas County Landfill
2000 Main Street, PO Box 263
Adel, IA 50003

SPECIAL INSTRUCTIONS

None

Turn Around Time

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

LAB USE ONLY

Work Order IC0308

Temperature 0.0/0.0

Turn-Cooler: No

☐ Custody Seal
☒ Containers Intact
☒ COC/Labels Agree
☐ Preservation Confirmed
☒ Received on Ice

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	Number of Containers	Analyses	Lab Sample Number
-001	MW-2 DRY - NO SAMPLE	Aqueous	GRAB				Indfil-app1-voc-group Indfil-app1-metals-6020	
-001	MW-9	Aqueous	GRAB	3/3/25	9:17	7	Indfil-app1-voc-group Indfil-app1-metals-6020	01
-001	MW-17	Aqueous	GRAB	3/3/25	10:39	7	Indfil-app1-voc-group Indfil-app1-metals-6020	02
-001	MW-18	Aqueous	GRAB	3/3/25	9:53	7	Indfil-app1-voc-group Indfil-app1-metals-6020	03
-001	MW-19A	Aqueous	GRAB	3/3/25	10:15	7	Indfil-app1-voc-group Indfil-app1-metals-6020	04
-001	MW-4	Aqueous	GRAB	3/3/25	11:12	7	Indfil-app1-voc-group Indfil-app1-metals-6020	05
-001	MW-24	Aqueous	GRAB	3/3/25	9:32	7	Indfil-app1-voc-group Indfil-app1-metals-6020	06

Relinquished By J. L. O'Neil Date/Time 3/4/25

Received By _____ Date/Time _____

Relinquished By _____ Date/Time _____

Received for Lab By [Signature] Date/Time 3/4/25 10:02

Original - Lab Copy Yellow - Sampler Copy

Remarks:



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Newtown
641-79



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SITE INFORMATION

Sampler: Jer H
Project: South Dallas Co. - New Regs
Appendix Sampling

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

Mike Fountas
South Dallas County Landfill
2000 Main Street, PO Box 263
Adel, IA 50003

LAB USE ONLY

Work Order 1IC0308
Temperature 0.0/0.0
Turn-Cooler: No

☐ Custody Seal
☒ Containers Intact
☒ COC/Labels Agree
☒ Preservation Confirmed
☒ Received on Ice

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	Number of Containers	Analyses	Lab Sample Number
-001	MW-5	Aqueous	GRAB	<u>3/3/25</u>	<u>11:57</u>	<u>8</u>	#270-110 Indfil-app1-voc-group Indfil-app1-metals-6020	<u>07</u>
-001	MW-10 <u>DRY - NO SAMPLE</u>	Aqueous	GRAB	<u>3/3/25</u>	<u>12:30</u>	<u>7</u>	Indfil-app1-voc-group Indfil-app1-metals-6020	<u>08</u>
-001	MW-12	Aqueous	GRAB	<u>3/3/25</u>	<u>13:15</u>	<u>7</u>	Indfil-app1-voc-group Indfil-app1-metals-6020	<u>09</u>
-001	MW-16R	Aqueous	GRAB	<u>3/3/25</u>	<u>12:43</u>	<u>7</u>	Indfil-app1-voc-group Indfil-app1-metals-6020	<u>10</u>
-001	MW-20R	Aqueous	GRAB	<u>3/3/25</u>	<u>12:11</u>	<u>7</u>	Indfil-app1-voc-group Indfil-app1-metals-6020	<u>11</u>
-001	MW-21	Aqueous	GRAB	<u>3/3/25</u>	<u>10:59</u>	<u>7</u>	Indfil-app1-voc-group Indfil-app1-metals-6020	<u>12</u>
-001	MW-22	Aqueous	GRAB	<u>3/3/25</u>				

J. C. O'Neil 3/4/25
Relinquished By Date/Time

Received By Date/Time

Relinquished By Randy Dool 3/4/25 1000
Received for Lab By Date/Time
Original - Lab Copy Yellow - Sampler Copy

Remarks:



600 East
Newton, IA
641-792-1



1 I C 0 3 0 8

HLW Engineering
PM: Heather Murphy

Page 3 of
Printed: 2/18/2025 10:47:08A

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SITE INFORMATION

Sampler: LeH
Project: South Dallas Co. - New Regs
Appendix Sampling

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

Mike Fountas
South Dallas County Landfill
2000 Main Street, PO Box 263
Adel, IA 50003

LAB USE ONLY

Work Order

Temperature

0.0/0.0

Turn-Cooler:

No

☐ Custody Seal
☐ Containers Intact
☐ COC/Labels Agree
☐ Preservation Confirmed
☒ Received on Ice

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	Number of Containers	Analyses		Lab Sample Number
-001	MW-25	Aqueous	GRAB	3/3/25	11:37	4	#260@vc as-t-6020	#260-base-analysis ba-t-6020	13
-001	MW-26	Aqueous	GRAB	3/3/25	11:25	4	#260@vc as-t-6020	#260-base-analysis ba-t-6020	14
-001	Duplicate	Aqueous	GRAB	3/3/25	12:30	7	landfill-app1-voc-group	landfill-app1-metals-6020	15

J. C. O'Neil 3/4/25
Relinquished By Date/Time

Relinquished By Date/Time

Received By Date/Time

Received for Lab By Date/Time

Original - Lab Copy Yellow - Sampler Copy

Remarks:



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11I2191

Project Description

Appendix Sampling

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Wednesday, October 15, 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

11I2191

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: Appendix Sampling

Project / PO Number: N/A
Received: 09/26/2025
Reported: 10/15/2025

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-9	11I2191-01	Aqueous	GRAB		09/25/25 08:59	09/26/25 10:35
MW-17	11I2191-02	Aqueous	GRAB		09/25/25 10:13	09/26/25 10:35
MW-18	11I2191-03	Aqueous	GRAB		09/25/25 09:36	09/26/25 10:35
MW-19A	11I2191-04	Aqueous	GRAB		09/25/25 09:55	09/26/25 10:35
MW-4	11I2191-05	Aqueous	GRAB		09/25/25 10:43	09/26/25 10:35
MW-24	11I2191-06	Aqueous	GRAB		09/25/25 09:16	09/26/25 10:35
MW-5	11I2191-07	Aqueous	GRAB		09/25/25 11:21	09/26/25 10:35
MW-12	11I2191-08	Aqueous	GRAB		09/25/25 11:48	09/26/25 10:35
MW-15R	11I2191-09	Aqueous	GRAB		09/25/25 12:15	09/26/25 10:35
MW-20R	11I2191-10	Aqueous	GRAB		09/25/25 12:07	09/26/25 10:35
MW-21	11I2191-11	Aqueous	GRAB		09/25/25 11:37	09/26/25 10:35
MW-22	11I2191-12	Aqueous	GRAB		09/25/25 10:33	09/26/25 10:35
MW-25	11I2191-13	Aqueous	GRAB		09/25/25 11:04	09/26/25 10:35
MW-26	11I2191-14	Aqueous	GRAB		09/25/25 10:54	09/26/25 10:35
Duplicate	11I2191-15	Aqueous	GRAB		09/25/25 11:21	09/26/25 10:35



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11I2191

Analytical Testing Parameters

Client Sample ID: MW-9
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-01

Collected By: Unknown
Collection Date: 09/25/2025 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		09/30/25 0000	09/30/25 1247	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
Bromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
Chloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
Acetone	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
Chloroform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
Benzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
Dibromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
Toluene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
Xylenes, total	<2.0	2.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
Styrene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF

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CERTIFICATE OF ANALYSIS

11I2191

Client Sample ID: MW-9
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-01

Collected By: Unknown
Collection Date: 09/25/2025 8:59

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Bromoform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1247	RAF
Surrogate: Dibromofluoromethane	100	Limit: 75-136	% Rec		09/30/25 0000	09/30/25 1247	RAF
Surrogate: Dibromofluoromethane	100	Limit: 57-128	% Rec		09/30/25 0000	09/30/25 1247	RAF
Surrogate: 1,2-Dichloroethane-d4	98.2	Limit: 61-142	% Rec		09/30/25 0000	09/30/25 1247	RAF
Surrogate: 1,2-Dichloroethane-d4	98.2	Limit: 49-135	% Rec		09/30/25 0000	09/30/25 1247	RAF
Surrogate: Toluene-d8	99.7	Limit: 82-121	% Rec		09/30/25 0000	09/30/25 1247	RAF
Surrogate: Toluene-d8	99.7	Limit: 82-116	% Rec		09/30/25 0000	09/30/25 1247	RAF
Surrogate: 4-Bromofluorobenzene	94.0	Limit: 80-116	% Rec		09/30/25 0000	09/30/25 1247	RAF
Surrogate: 4-Bromofluorobenzene	94.0	Limit: 77-114	% Rec		09/30/25 0000	09/30/25 1247	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1909	RVV
Arsenic, total	0.0030	0.0020	mg/L		09/30/25 1431	10/01/25 1909	RVV
Barium, total	0.323	0.0010	mg/L		09/30/25 1431	10/01/25 1909	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1909	RVV
Cadmium, total	0.0007	0.0002	mg/L		09/30/25 1431	10/01/25 1909	RVV
Chromium, total	0.0014	0.0010	mg/L		09/30/25 1431	10/01/25 1909	RVV
Cobalt, total	0.0046	0.0005	mg/L		09/30/25 1431	10/01/25 1909	RVV
Copper, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1909	RVV
Lead, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1909	RVV
Nickel, total	0.0102	0.0050	mg/L		09/30/25 1431	10/01/25 1909	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1909	RVV
Silver, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1909	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1909	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1909	RVV
Zinc, total	0.0080	0.0050	mg/L		09/30/25 1431	10/01/25 1909	RVV

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CERTIFICATE OF ANALYSIS

11I2191

Client Sample ID: MW-17
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-02

Collected By: Unknown
Collection Date: 09/25/2025 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		09/30/25 0000	09/30/25 1310	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Bromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Chloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Acetone	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Chloroform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Benzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Dibromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Toluene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Xylenes, total	<2.0	2.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Styrene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Bromoform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11I2191

Client Sample ID: MW-17
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-02

Collected By: Unknown
Collection Date: 09/25/2025 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		09/30/25 0000	09/30/25 1310	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1310	RAF
Surrogate: Dibromofluoromethane	102	Limit: 75-136	% Rec		09/30/25 0000	09/30/25 1310	RAF
Surrogate: Dibromofluoromethane	102	Limit: 57-128	% Rec		09/30/25 0000	09/30/25 1310	RAF
Surrogate: 1,2-Dichloroethane-d4	98.6	Limit: 61-142	% Rec		09/30/25 0000	09/30/25 1310	RAF
Surrogate: 1,2-Dichloroethane-d4	98.6	Limit: 49-135	% Rec		09/30/25 0000	09/30/25 1310	RAF
Surrogate: Toluene-d8	98.0	Limit: 82-121	% Rec		09/30/25 0000	09/30/25 1310	RAF
Surrogate: Toluene-d8	98.0	Limit: 82-116	% Rec		09/30/25 0000	09/30/25 1310	RAF
Surrogate: 4-Bromofluorobenzene	95.8	Limit: 77-114	% Rec		09/30/25 0000	09/30/25 1310	RAF
Surrogate: 4-Bromofluorobenzene	95.8	Limit: 80-116	% Rec		09/30/25 0000	09/30/25 1310	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1924	RVV
Arsenic, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1924	RVV
Barium, total	0.177	0.0010	mg/L		09/30/25 1431	10/01/25 1924	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1924	RVV
Cadmium, total	0.0002	0.0002	mg/L		09/30/25 1431	10/01/25 1924	RVV
Chromium, total	0.0014	0.0010	mg/L		09/30/25 1431	10/01/25 1924	RVV
Cobalt, total	0.0046	0.0005	mg/L		09/30/25 1431	10/01/25 1924	RVV
Copper, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1924	RVV
Lead, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1924	RVV
Nickel, total	0.0128	0.0050	mg/L		09/30/25 1431	10/01/25 1924	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1924	RVV
Silver, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1924	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1924	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1924	RVV
Zinc, total	0.0057	0.0050	mg/L		09/30/25 1431	10/01/25 1924	RVV

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CERTIFICATE OF ANALYSIS

11I2191

Client Sample ID: MW-18
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-03

Collected By: Unknown
Collection Date: 09/25/2025 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		09/30/25 0000	09/30/25 1333	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Bromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Chloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Acetone	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Chloroform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Benzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Dibromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Toluene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Xylenes, total	<2.0	2.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Styrene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Bromoform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF

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CERTIFICATE OF ANALYSIS

11I2191

Client Sample ID: MW-18
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-03

Collected By: Unknown
Collection Date: 09/25/2025 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		09/30/25 0000	09/30/25 1333	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1333	RAF
Surrogate: Dibromofluoromethane	100	Limit: 75-136	% Rec		09/30/25 0000	09/30/25 1333	RAF
Surrogate: Dibromofluoromethane	100	Limit: 57-128	% Rec		09/30/25 0000	09/30/25 1333	RAF
Surrogate: 1,2-Dichloroethane-d4	98.4	Limit: 61-142	% Rec		09/30/25 0000	09/30/25 1333	RAF
Surrogate: 1,2-Dichloroethane-d4	98.4	Limit: 49-135	% Rec		09/30/25 0000	09/30/25 1333	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec		09/30/25 0000	09/30/25 1333	RAF
Surrogate: Toluene-d8	101	Limit: 82-116	% Rec		09/30/25 0000	09/30/25 1333	RAF
Surrogate: 4-Bromofluorobenzene	93.6	Limit: 80-116	% Rec		09/30/25 0000	09/30/25 1333	RAF
Surrogate: 4-Bromofluorobenzene	93.6	Limit: 77-114	% Rec		09/30/25 0000	09/30/25 1333	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1926	RVV
Arsenic, total	0.0139	0.0020	mg/L		09/30/25 1431	10/01/25 1926	RVV
Barium, total	0.718	0.0010	mg/L		09/30/25 1431	10/01/25 1926	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1926	RVV
Cadmium, total	0.0002	0.0002	mg/L		09/30/25 1431	10/01/25 1926	RVV
Chromium, total	0.0011	0.0010	mg/L		09/30/25 1431	10/01/25 1926	RVV
Cobalt, total	0.0071	0.0005	mg/L		09/30/25 1431	10/01/25 1926	RVV
Copper, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1926	RVV
Lead, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1926	RVV
Nickel, total	0.0116	0.0050	mg/L		09/30/25 1431	10/01/25 1926	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1926	RVV
Silver, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1926	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1926	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1926	RVV
Zinc, total	0.0062	0.0050	mg/L		09/30/25 1431	10/01/25 1926	RVV

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CERTIFICATE OF ANALYSIS

11I2191

Client Sample ID: MW-19A
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-04

Collected By: Unknown
Collection Date: 09/25/2025 9:55

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Bromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Chloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Acetone	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Chloroform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Benzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Dibromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Toluene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Xylenes, total	<2.0	2.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Styrene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Bromoform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF

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CERTIFICATE OF ANALYSIS

11I2191

Client Sample ID: MW-19A
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-04

Collected By: Unknown
Collection Date: 09/25/2025 9:55

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1355	RAF
Surrogate: Dibromofluoromethane	98.3	Limit: 57-128	% Rec		09/30/25 0000	09/30/25 1355	RAF
Surrogate: Dibromofluoromethane	98.3	Limit: 75-136	% Rec		09/30/25 0000	09/30/25 1355	RAF
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 61-142	% Rec		09/30/25 0000	09/30/25 1355	RAF
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 49-135	% Rec		09/30/25 0000	09/30/25 1355	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec		09/30/25 0000	09/30/25 1355	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec		09/30/25 0000	09/30/25 1355	RAF
Surrogate: 4-Bromofluorobenzene	95.9	Limit: 80-116	% Rec		09/30/25 0000	09/30/25 1355	RAF
Surrogate: 4-Bromofluorobenzene	95.9	Limit: 77-114	% Rec		09/30/25 0000	09/30/25 1355	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1929	RVV
Arsenic, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1929	RVV
Barium, total	0.0419	0.0010	mg/L		09/30/25 1431	10/01/25 1929	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1929	RVV
Cadmium, total	0.0002	0.0002	mg/L		09/30/25 1431	10/01/25 1929	RVV
Chromium, total	0.0013	0.0010	mg/L		09/30/25 1431	10/01/25 1929	RVV
Cobalt, total	0.0010	0.0005	mg/L		09/30/25 1431	10/01/25 1929	RVV
Copper, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1929	RVV
Lead, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1929	RVV
Nickel, total	0.0092	0.0050	mg/L		09/30/25 1431	10/01/25 1929	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1929	RVV
Silver, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1929	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1929	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1929	RVV
Zinc, total	0.0059	0.0050	mg/L		09/30/25 1431	10/01/25 1929	RVV

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CERTIFICATE OF ANALYSIS

11I2191

Client Sample ID: MW-4
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-05

Collected By: Unknown
Collection Date: 09/25/2025 10:43

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Vinyl Chloride	2.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Bromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Chloroethane	2.2	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Acetone	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
cis-1,2-Dichloroethylene	1.7	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Chloroform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Benzene	1.4	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Dibromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Toluene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Xylenes, total	<2.0	2.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Styrene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Bromoform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF

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CERTIFICATE OF ANALYSIS

11I2191

Client Sample ID: MW-4
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-05

Collected By: Unknown
Collection Date: 09/25/2025 10:43

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
1,4-Dichlorobenzene	5.7	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1418	RAF
Surrogate: Dibromofluoromethane	97.9	Limit: 75-136	% Rec		09/30/25 0000	09/30/25 1418	RAF
Surrogate: Dibromofluoromethane	97.9	Limit: 57-128	% Rec		09/30/25 0000	09/30/25 1418	RAF
Surrogate: 1,2-Dichloroethane-d4	96.8	Limit: 61-142	% Rec		09/30/25 0000	09/30/25 1418	RAF
Surrogate: 1,2-Dichloroethane-d4	96.8	Limit: 49-135	% Rec		09/30/25 0000	09/30/25 1418	RAF
Surrogate: Toluene-d8	99.1	Limit: 82-121	% Rec		09/30/25 0000	09/30/25 1418	RAF
Surrogate: Toluene-d8	99.1	Limit: 82-116	% Rec		09/30/25 0000	09/30/25 1418	RAF
Surrogate: 4-Bromofluorobenzene	95.8	Limit: 80-116	% Rec		09/30/25 0000	09/30/25 1418	RAF
Surrogate: 4-Bromofluorobenzene	95.8	Limit: 77-114	% Rec		09/30/25 0000	09/30/25 1418	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1931	RVV
Arsenic, total	0.0675	0.0020	mg/L		09/30/25 1431	10/01/25 1931	RVV
Barium, total	1.10	0.0010	mg/L		09/30/25 1431	10/01/25 1931	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1931	RVV
Cadmium, total	<0.0002	0.0002	mg/L		09/30/25 1431	10/01/25 1931	RVV
Chromium, total	0.0011	0.0010	mg/L		09/30/25 1431	10/01/25 1931	RVV
Cobalt, total	0.0014	0.0005	mg/L		09/30/25 1431	10/01/25 1931	RVV
Copper, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1931	RVV
Lead, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1931	RVV
Nickel, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1931	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1931	RVV
Silver, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1931	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1931	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1931	RVV
Zinc, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1931	RVV

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CERTIFICATE OF ANALYSIS

11I2191

Client Sample ID: MW-24
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-06

Collected By: Unknown
Collection Date: 09/25/2025 9:16

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Bromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Chloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Acetone	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Chloroform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Benzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Dibromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Toluene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Xylenes, total	<2.0	2.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Styrene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Bromoform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF

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11I2191

Client Sample ID: MW-24
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-06

Collected By: Unknown
Collection Date: 09/25/2025 9:16

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1441	RAF
Surrogate: Dibromofluoromethane	100	Limit: 75-136	% Rec		09/30/25 0000	09/30/25 1441	RAF
Surrogate: Dibromofluoromethane	100	Limit: 57-128	% Rec		09/30/25 0000	09/30/25 1441	RAF
Surrogate: 1,2-Dichloroethane-d4	97.4	Limit: 49-135	% Rec		09/30/25 0000	09/30/25 1441	RAF
Surrogate: 1,2-Dichloroethane-d4	97.4	Limit: 61-142	% Rec		09/30/25 0000	09/30/25 1441	RAF
Surrogate: Toluene-d8	98.7	Limit: 82-121	% Rec		09/30/25 0000	09/30/25 1441	RAF
Surrogate: Toluene-d8	98.7	Limit: 82-116	% Rec		09/30/25 0000	09/30/25 1441	RAF
Surrogate: 4-Bromofluorobenzene	95.8	Limit: 80-116	% Rec		09/30/25 0000	09/30/25 1441	RAF
Surrogate: 4-Bromofluorobenzene	95.8	Limit: 77-114	% Rec		09/30/25 0000	09/30/25 1441	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1934	RVV
Arsenic, total	0.0074	0.0020	mg/L		09/30/25 1431	10/01/25 1934	RVV
Barium, total	0.291	0.0010	mg/L		09/30/25 1431	10/01/25 1934	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1934	RVV
Cadmium, total	0.0037	0.0002	mg/L		09/30/25 1431	10/01/25 1934	RVV
Chromium, total	0.0016	0.0010	mg/L		09/30/25 1431	10/01/25 1934	RVV
Cobalt, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1934	RVV
Copper, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1934	RVV
Lead, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1934	RVV
Nickel, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1934	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1934	RVV
Silver, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1934	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1934	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1934	RVV
Zinc, total	0.0101	0.0050	mg/L		09/30/25 1431	10/01/25 1934	RVV

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CERTIFICATE OF ANALYSIS

11I2191

Client Sample ID: MW-5
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-07

Collected By: Unknown
Collection Date: 09/25/2025 11:21

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Bromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Chloroethane	2.9	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Acetone	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Chloroform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Benzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Dibromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Toluene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Xylenes, total	<2.0	2.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Styrene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Bromoform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF

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CERTIFICATE OF ANALYSIS

11I2191

Client Sample ID: MW-5
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-07

Collected By: Unknown
Collection Date: 09/25/2025 11:21

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1504	RAF
Surrogate: Dibromofluoromethane	98.7	Limit: 57-128	% Rec		09/30/25 0000	09/30/25 1504	RAF
Surrogate: Dibromofluoromethane	98.7	Limit: 75-136	% Rec		09/30/25 0000	09/30/25 1504	RAF
Surrogate: 1,2-Dichloroethane-d4	98.8	Limit: 49-135	% Rec		09/30/25 0000	09/30/25 1504	RAF
Surrogate: 1,2-Dichloroethane-d4	98.8	Limit: 61-142	% Rec		09/30/25 0000	09/30/25 1504	RAF
Surrogate: Toluene-d8	97.1	Limit: 82-121	% Rec		09/30/25 0000	09/30/25 1504	RAF
Surrogate: Toluene-d8	97.1	Limit: 82-116	% Rec		09/30/25 0000	09/30/25 1504	RAF
Surrogate: 4-Bromofluorobenzene	95.2	Limit: 77-114	% Rec		09/30/25 0000	09/30/25 1504	RAF
Surrogate: 4-Bromofluorobenzene	95.2	Limit: 80-116	% Rec		09/30/25 0000	09/30/25 1504	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1936	RVV
Arsenic, total	0.0108	0.0020	mg/L		09/30/25 1431	10/01/25 1936	RVV
Barium, total	0.285	0.0010	mg/L		09/30/25 1431	10/01/25 1936	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1936	RVV
Cadmium, total	0.0002	0.0002	mg/L		09/30/25 1431	10/01/25 1936	RVV
Chromium, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1936	RVV
Cobalt, total	0.0059	0.0005	mg/L		09/30/25 1431	10/01/25 1936	RVV
Copper, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1936	RVV
Lead, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1936	RVV
Nickel, total	0.0062	0.0050	mg/L		09/30/25 1431	10/01/25 1936	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1936	RVV
Silver, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1936	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1936	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1936	RVV
Zinc, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1936	RVV

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CERTIFICATE OF ANALYSIS

11I2191

Client Sample ID: MW-12
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-08

Collected By: Unknown
Collection Date: 09/25/2025 11:48

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Bromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Chloroethane	1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Acetone	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Chloroform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Benzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Dibromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Toluene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Xylenes, total	<2.0	2.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Styrene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Bromoform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF

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CERTIFICATE OF ANALYSIS

11I2191

Client Sample ID: MW-12
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-08

Collected By: Unknown
Collection Date: 09/25/2025 11:48

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1527	RAF
Surrogate: Dibromofluoromethane	100	Limit: 57-128	% Rec		09/30/25 0000	09/30/25 1527	RAF
Surrogate: Dibromofluoromethane	100	Limit: 75-136	% Rec		09/30/25 0000	09/30/25 1527	RAF
Surrogate: 1,2-Dichloroethane-d4	95.6	Limit: 49-135	% Rec		09/30/25 0000	09/30/25 1527	RAF
Surrogate: 1,2-Dichloroethane-d4	95.6	Limit: 61-142	% Rec		09/30/25 0000	09/30/25 1527	RAF
Surrogate: Toluene-d8	101	Limit: 82-116	% Rec		09/30/25 0000	09/30/25 1527	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec		09/30/25 0000	09/30/25 1527	RAF
Surrogate: 4-Bromofluorobenzene	98.0	Limit: 77-114	% Rec		09/30/25 0000	09/30/25 1527	RAF
Surrogate: 4-Bromofluorobenzene	98.0	Limit: 80-116	% Rec		09/30/25 0000	09/30/25 1527	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1939	RVV
Arsenic, total	0.0060	0.0020	mg/L		09/30/25 1431	10/01/25 1939	RVV
Barium, total	0.339	0.0010	mg/L		09/30/25 1431	10/01/25 1939	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1939	RVV
Cadmium, total	<0.0002	0.0002	mg/L		09/30/25 1431	10/01/25 1939	RVV
Chromium, total	0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1939	RVV
Cobalt, total	0.0056	0.0005	mg/L		09/30/25 1431	10/01/25 1939	RVV
Copper, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1939	RVV
Lead, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1939	RVV
Nickel, total	0.0091	0.0050	mg/L		09/30/25 1431	10/01/25 1939	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1939	RVV
Silver, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1939	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1939	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1939	RVV
Zinc, total	0.0097	0.0050	mg/L		09/30/25 1431	10/01/25 1939	RVV

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11I2191

Client Sample ID: MW-15R
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-09

Collected By: Unknown
Collection Date: 09/25/2025 12:15

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Bromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Chloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Acetone	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Chloroform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Benzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Dibromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Toluene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Xylenes, total	<2.0	2.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Styrene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Bromoform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF

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11I2191

Client Sample ID: MW-15R
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-09

Collected By: Unknown
Collection Date: 09/25/2025 12:15

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1550	RAF
Surrogate: Dibromofluoromethane	98.1	Limit: 75-136	% Rec		09/30/25 0000	09/30/25 1550	RAF
Surrogate: Dibromofluoromethane	98.1	Limit: 57-128	% Rec		09/30/25 0000	09/30/25 1550	RAF
Surrogate: 1,2-Dichloroethane-d4	96.4	Limit: 49-135	% Rec		09/30/25 0000	09/30/25 1550	RAF
Surrogate: 1,2-Dichloroethane-d4	96.4	Limit: 61-142	% Rec		09/30/25 0000	09/30/25 1550	RAF
Surrogate: Toluene-d8	99.0	Limit: 82-121	% Rec		09/30/25 0000	09/30/25 1550	RAF
Surrogate: Toluene-d8	99.0	Limit: 82-116	% Rec		09/30/25 0000	09/30/25 1550	RAF
Surrogate: 4-Bromofluorobenzene	97.7	Limit: 77-114	% Rec		09/30/25 0000	09/30/25 1550	RAF
Surrogate: 4-Bromofluorobenzene	97.7	Limit: 80-116	% Rec		09/30/25 0000	09/30/25 1550	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1941	RVV
Arsenic, total	0.0206	0.0020	mg/L		09/30/25 1431	10/01/25 1941	RVV
Barium, total	0.435	0.0010	mg/L		09/30/25 1431	10/01/25 1941	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1941	RVV
Cadmium, total	0.0002	0.0002	mg/L		09/30/25 1431	10/01/25 1941	RVV
Chromium, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1941	RVV
Cobalt, total	0.0041	0.0005	mg/L		09/30/25 1431	10/01/25 1941	RVV
Copper, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1941	RVV
Lead, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1941	RVV
Nickel, total	0.0055	0.0050	mg/L		09/30/25 1431	10/01/25 1941	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1941	RVV
Silver, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1941	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1941	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1941	RVV
Zinc, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1941	RVV

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CERTIFICATE OF ANALYSIS

11I2191

Client Sample ID: MW-20R
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-10

Collected By: Unknown
Collection Date: 09/25/2025 12:07

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Bromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Chloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Acetone	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Chloroform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Benzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Dibromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Toluene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Xylenes, total	<2.0	2.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Styrene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Bromoform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF

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CERTIFICATE OF ANALYSIS

11I2191

Client Sample ID: MW-20R
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-10

Collected By: Unknown
Collection Date: 09/25/2025 12:07

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1613	RAF
Surrogate: Dibromofluoromethane	100	Limit: 75-136	% Rec		09/30/25 0000	09/30/25 1613	RAF
Surrogate: Dibromofluoromethane	100	Limit: 57-128	% Rec		09/30/25 0000	09/30/25 1613	RAF
Surrogate: 1,2-Dichloroethane-d4	98.0	Limit: 49-135	% Rec		09/30/25 0000	09/30/25 1613	RAF
Surrogate: 1,2-Dichloroethane-d4	98.0	Limit: 61-142	% Rec		09/30/25 0000	09/30/25 1613	RAF
Surrogate: Toluene-d8	98.4	Limit: 82-121	% Rec		09/30/25 0000	09/30/25 1613	RAF
Surrogate: Toluene-d8	98.4	Limit: 82-116	% Rec		09/30/25 0000	09/30/25 1613	RAF
Surrogate: 4-Bromofluorobenzene	97.0	Limit: 77-114	% Rec		09/30/25 0000	09/30/25 1613	RAF
Surrogate: 4-Bromofluorobenzene	97.0	Limit: 80-116	% Rec		09/30/25 0000	09/30/25 1613	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1949	RVV
Arsenic, total	0.0400	0.0020	mg/L		09/30/25 1431	10/01/25 1949	RVV
Barium, total	0.759	0.0010	mg/L		09/30/25 1431	10/01/25 1949	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1949	RVV
Cadmium, total	<0.0002	0.0002	mg/L		09/30/25 1431	10/01/25 1949	RVV
Chromium, total	0.0012	0.0010	mg/L		09/30/25 1431	10/01/25 1949	RVV
Cobalt, total	0.0007	0.0005	mg/L		09/30/25 1431	10/01/25 1949	RVV
Copper, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1949	RVV
Lead, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1949	RVV
Nickel, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1949	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1949	RVV
Silver, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1949	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1949	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1949	RVV
Zinc, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1949	RVV

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CERTIFICATE OF ANALYSIS

11I2191

Client Sample ID: MW-21
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-11

Collected By: Unknown
Collection Date: 09/25/2025 11:37

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Bromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Chloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Acetone	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Chloroform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Benzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Dibromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Toluene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Xylenes, total	<2.0	2.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Styrene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Bromoform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF

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11I2191

Client Sample ID: MW-21
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-11

Collected By: Unknown
Collection Date: 09/25/2025 11:37

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1636	RAF
Surrogate: Dibromofluoromethane	97.8	Limit: 57-128	% Rec		09/30/25 0000	09/30/25 1636	RAF
Surrogate: Dibromofluoromethane	97.8	Limit: 75-136	% Rec		09/30/25 0000	09/30/25 1636	RAF
Surrogate: 1,2-Dichloroethane-d4	98.6	Limit: 49-135	% Rec		09/30/25 0000	09/30/25 1636	RAF
Surrogate: 1,2-Dichloroethane-d4	98.6	Limit: 61-142	% Rec		09/30/25 0000	09/30/25 1636	RAF
Surrogate: Toluene-d8	98.4	Limit: 82-116	% Rec		09/30/25 0000	09/30/25 1636	RAF
Surrogate: Toluene-d8	98.4	Limit: 82-121	% Rec		09/30/25 0000	09/30/25 1636	RAF
Surrogate: 4-Bromofluorobenzene	94.0	Limit: 77-114	% Rec		09/30/25 0000	09/30/25 1636	RAF
Surrogate: 4-Bromofluorobenzene	94.0	Limit: 80-116	% Rec		09/30/25 0000	09/30/25 1636	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1951	RVV
Arsenic, total	0.0070	0.0020	mg/L		09/30/25 1431	10/01/25 1951	RVV
Barium, total	0.557	0.0010	mg/L		09/30/25 1431	10/01/25 1951	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1951	RVV
Cadmium, total	<0.0002	0.0002	mg/L		09/30/25 1431	10/01/25 1951	RVV
Chromium, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1951	RVV
Cobalt, total	0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1951	RVV
Copper, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1951	RVV
Lead, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1951	RVV
Nickel, total	0.0071	0.0050	mg/L		09/30/25 1431	10/01/25 1951	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1951	RVV
Silver, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1951	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1951	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1951	RVV
Zinc, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1951	RVV

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CERTIFICATE OF ANALYSIS

11I2191

Client Sample ID: MW-22
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-12

Collected By: Unknown
Collection Date: 09/25/2025 10:33

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Bromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Chloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Acetone	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Chloroform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Benzene	1.5	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Dibromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Toluene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Xylenes, total	<2.0	2.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Styrene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Bromoform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF

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CERTIFICATE OF ANALYSIS

11I2191

Client Sample ID: MW-22
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-12

Collected By: Unknown
Collection Date: 09/25/2025 10:33

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1659	RAF
Surrogate: Dibromofluoromethane	97.3	Limit: 75-136	% Rec		09/30/25 0000	09/30/25 1659	RAF
Surrogate: Dibromofluoromethane	97.3	Limit: 57-128	% Rec		09/30/25 0000	09/30/25 1659	RAF
Surrogate: 1,2-Dichloroethane-d4	98.9	Limit: 61-142	% Rec		09/30/25 0000	09/30/25 1659	RAF
Surrogate: 1,2-Dichloroethane-d4	98.9	Limit: 49-135	% Rec		09/30/25 0000	09/30/25 1659	RAF
Surrogate: Toluene-d8	99.8	Limit: 82-121	% Rec		09/30/25 0000	09/30/25 1659	RAF
Surrogate: Toluene-d8	99.8	Limit: 82-116	% Rec		09/30/25 0000	09/30/25 1659	RAF
Surrogate: 4-Bromofluorobenzene	95.3	Limit: 80-116	% Rec		09/30/25 0000	09/30/25 1659	RAF
Surrogate: 4-Bromofluorobenzene	95.3	Limit: 77-114	% Rec		09/30/25 0000	09/30/25 1659	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1954	RVV
Arsenic, total	0.0704	0.0020	mg/L		09/30/25 1431	10/01/25 1954	RVV
Barium, total	0.392	0.0010	mg/L		09/30/25 1431	10/01/25 1954	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1954	RVV
Cadmium, total	<0.0002	0.0002	mg/L		09/30/25 1431	10/01/25 1954	RVV
Chromium, total	0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1954	RVV
Cobalt, total	0.0024	0.0005	mg/L		09/30/25 1431	10/01/25 1954	RVV
Copper, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1954	RVV
Lead, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 1954	RVV
Nickel, total	0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1954	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1954	RVV
Silver, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1954	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 1954	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 1954	RVV
Zinc, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 1954	RVV

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CERTIFICATE OF ANALYSIS

11I2191

Client Sample ID: MW-25
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-13

Collected By: Unknown
Collection Date: 09/25/2025 11:04

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 5030B/EPA 8260D

Vinyl Chloride	<1.0	1.0	ug/L		10/07/25 0000	10/07/25 1149	RAF
Surrogate: Dibromofluoromethane	91.7	Limit: 57-128	% Rec		10/07/25 0000	10/07/25 1149	RAF
Surrogate: 1,2-Dichloroethane-d4	86.6	Limit: 49-135	% Rec		10/07/25 0000	10/07/25 1149	RAF
Surrogate: Toluene-d8	96.8	Limit: 82-116	% Rec		10/07/25 0000	10/07/25 1149	RAF
Surrogate: 4-Bromofluorobenzene	95.8	Limit: 77-114	% Rec		10/07/25 0000	10/07/25 1149	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 3005A/EPA 6020A

Arsenic, total	0.0056	0.0020	mg/L		09/30/25 1431	10/01/25 1957	RVV
Barium, total	0.161	0.0010	mg/L		09/30/25 1431	10/01/25 1957	RVV

Client Sample ID: MW-26
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-14

Collected By: Unknown
Collection Date: 09/25/2025 10:54

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 5030B/EPA 8260D

Vinyl Chloride	<1.0	1.0	ug/L		10/07/25 0000	10/07/25 1214	RAF
Surrogate: Dibromofluoromethane	89.6	Limit: 57-128	% Rec		10/07/25 0000	10/07/25 1214	RAF
Surrogate: 1,2-Dichloroethane-d4	84.6	Limit: 49-135	% Rec		10/07/25 0000	10/07/25 1214	RAF
Surrogate: Toluene-d8	97.0	Limit: 82-116	% Rec		10/07/25 0000	10/07/25 1214	RAF
Surrogate: 4-Bromofluorobenzene	95.7	Limit: 77-114	% Rec		10/07/25 0000	10/07/25 1214	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst

EPA 3005A/EPA 6020A

Arsenic, total	0.0129	0.0020	mg/L		09/30/25 1431	10/01/25 1959	RVV
Barium, total	0.357	0.0010	mg/L		09/30/25 1431	10/01/25 1959	RVV

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CERTIFICATE OF ANALYSIS

11I2191

Client Sample ID: Duplicate
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-15

Collected By: Unknown
Collection Date: 09/25/2025 11:21

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Bromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Chloroethane	3.2	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Acetone	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Chloroform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Benzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Dibromomethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Toluene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Xylenes, total	<2.0	2.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Styrene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Bromoform	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF

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CERTIFICATE OF ANALYSIS

11I2191

Client Sample ID: Duplicate
Sample Matrix: Aqueous
Lab Sample ID: 11I2191-15

Collected By: Unknown
Collection Date: 09/25/2025 11:21

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/30/25 0000	09/30/25 1722	RAF
Surrogate: Dibromofluoromethane	95.5	Limit: 75-136	% Rec		09/30/25 0000	09/30/25 1722	RAF
Surrogate: Dibromofluoromethane	95.5	Limit: 57-128	% Rec		09/30/25 0000	09/30/25 1722	RAF
Surrogate: 1,2-Dichloroethane-d4	92.8	Limit: 61-142	% Rec		09/30/25 0000	09/30/25 1722	RAF
Surrogate: 1,2-Dichloroethane-d4	92.8	Limit: 49-135	% Rec		09/30/25 0000	09/30/25 1722	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec		09/30/25 0000	09/30/25 1722	RAF
Surrogate: Toluene-d8	101	Limit: 82-116	% Rec		09/30/25 0000	09/30/25 1722	RAF
Surrogate: 4-Bromofluorobenzene	92.6	Limit: 80-116	% Rec		09/30/25 0000	09/30/25 1722	RAF
Surrogate: 4-Bromofluorobenzene	92.6	Limit: 77-114	% Rec		09/30/25 0000	09/30/25 1722	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 2002	RVV
Arsenic, total	0.0055	0.0020	mg/L		09/30/25 1431	10/01/25 2002	RVV
Barium, total	0.266	0.0010	mg/L		09/30/25 1431	10/01/25 2002	RVV
Beryllium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 2002	RVV
Cadmium, total	0.0002	0.0002	mg/L		09/30/25 1431	10/01/25 2002	RVV
Chromium, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 2002	RVV
Cobalt, total	0.0051	0.0005	mg/L		09/30/25 1431	10/01/25 2002	RVV
Copper, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 2002	RVV
Lead, total	<0.0010	0.0010	mg/L		09/30/25 1431	10/01/25 2002	RVV
Nickel, total	0.0063	0.0050	mg/L		09/30/25 1431	10/01/25 2002	RVV
Selenium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 2002	RVV
Silver, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 2002	RVV
Thallium, total	<0.0005	0.0005	mg/L		09/30/25 1431	10/01/25 2002	RVV
Vanadium, total	<0.0020	0.0020	mg/L		09/30/25 1431	10/01/25 2002	RVV
Zinc, total	<0.0050	0.0050	mg/L		09/30/25 1431	10/01/25 2002	RVV

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CERTIFICATE OF ANALYSIS

11I2191

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	11I1720	11I1720-BLK1	
		11I1720-BS1	
		11I2191-01	MW-9
		11I1720-MS1	11I2191-01
		11I1720-MSD1	11I2191-01
		11I1720-PS1	11I2191-01
		11I2191-02	MW-17
		11I2191-03	MW-18
		11I2191-04	MW-19A
		11I2191-05	MW-4
		11I2191-06	MW-24
		11I2191-07	MW-5
		11I2191-08	MW-12
		11I2191-09	MW-15R
		11I2191-10	MW-20R
EPA 8260D	11I1736	11I2191-11	MW-21
		11I2191-12	MW-22
		11I2191-13	MW-25
		11I2191-14	MW-26
		11I2191-15	Duplicate
		11I1736-BS1	
		11I1736-BSD1	
		11I1736-BLK1	
		11I2191-01	MW-9
		11I2191-02	MW-17
		11I2191-03	MW-18
		11I2191-04	MW-19A
		11I2191-05	MW-4
		11I2191-06	MW-24
		11I2191-07	MW-5
EPA 8260D	11J0403	11I2191-08	MW-12
		11I2191-09	MW-15R
		11I2191-10	MW-20R
		11I2191-11	MW-21
		11I2191-12	MW-22
		11I2191-15	Duplicate
		11I1736-MS1	11I2191-01
		11I1736-MSD1	11I2191-01
		11J0403-BS1	
		11J0403-BSD1	
		11J0403-BLK1	
		11I2191-13	MW-25
		11I2191-14	MW-26
		11J0403-MS1	11I2191-13
		11J0403-MSD1	11I2191-13

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CERTIFICATE OF ANALYSIS

11I2191

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 11I1736 - EPA 5030B - EPA 8260D										
Blank (11I1736-BLK1)				Prepared: 09/30/25 00:00 Analyzed: 09/30/25 11:38						
Chloromethane	<1.0	1.0	ug/L							
Vinyl Chloride	<1.0	1.0	ug/L							
Bromomethane	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Trichlorofluoromethane	<1.0	1.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
Acetone	<10.0	10.0	ug/L							
Methyl Iodide	<1.0	1.0	ug/L							
Carbon Disulfide	<1.0	1.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
Acrylonitrile	<5.0	5.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
Vinyl Acetate	<5.0	5.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10.0	10.0	ug/L							
Bromochloromethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Benzene	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L							
Toluene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<5.0	5.0	ug/L							
Dibromochloromethane	<1.0	1.0	ug/L							
1,2-Dibromoethane	<1.0	1.0	ug/L							
Chlorobenzene	<1.0	1.0	ug/L							
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							

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CERTIFICATE OF ANALYSIS

11I2191

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1736 - EPA 5030B - EPA 8260D										
Blank (11I1736-BLK1)										
Prepared: 09/30/25 00:00 Analyzed: 09/30/25 11:38										
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	49.8		ug/L	50.2		99.1	57-128			
Surrogate: Dibromofluoromethane	49.8		ug/L	50.2		99.1	75-136			
Surrogate: 1,2-Dichloroethane-d4	50.1		ug/L	50.4		99.5	49-135			
Surrogate: 1,2-Dichloroethane-d4	50.1		ug/L	50.4		99.5	61-142			
Surrogate: Toluene-d8	49.8		ug/L	50.5		98.6	82-116			
Surrogate: Toluene-d8	49.8		ug/L	50.5		98.6	82-121			
Surrogate: 4-Bromofluorobenzene	47.7		ug/L	50.2		95.1	77-114			
Surrogate: 4-Bromofluorobenzene	47.7		ug/L	50.2		95.1	80-116			
LCS (11I1736-BS1)										
Prepared: 09/30/25 00:00 Analyzed: 09/30/25 10:10										
Chloromethane	31.79	1.0	ug/L	30.3		105	63-155			
Vinyl Chloride	35.74	1.0	ug/L	30.2		118	70-154			
Bromomethane	32.99	1.0	ug/L	30.1		110	52-176			
Chloroethane	29.39	1.0	ug/L	30.3		96.9	72-148			
Trichlorofluoromethane	35.41	1.0	ug/L	30.3		117	70-152			
1,1-Dichloroethylene	58.90	1.0	ug/L	50.1		118	70-148			
Acetone	103.5	10.0	ug/L	100		103	43-172			
Methyl Iodide	123.6	1.0	ug/L	100		124	69-170			
Carbon Disulfide	114.2	1.0	ug/L	100		114	72-162			
Methylene Chloride	52.16	5.0	ug/L	50.1		104	68-142			
Acrylonitrile	51.81	5.0	ug/L	50.4		103	33-163			
trans-1,2-Dichloroethylene	57.70	1.0	ug/L	50.1		115	66-148			
1,1-Dichloroethane	57.19	1.0	ug/L	50.1		114	66-143			
Vinyl Acetate	157.9	5.0	ug/L	142		111	43-153			
cis-1,2-Dichloroethylene	55.63	1.0	ug/L	50.4		110	71-149			
2-Butanone (MEK)	113.4	10.0	ug/L	100		113	52-159			
Bromochloromethane	53.07	1.0	ug/L	50.4		105	69-143			
Chloroform	53.69	1.0	ug/L	50.1		107	69-144			
1,1,1-Trichloroethane	58.47	1.0	ug/L	50.1		117	62-129			
Carbon Tetrachloride	61.05	1.0	ug/L	50.1		122	63-141			
Benzene	57.44	1.0	ug/L	50.4		114	71-134			
1,2-Dichloroethane	54.91	1.0	ug/L	50.1		110	72-132			
Trichloroethylene	56.66	1.0	ug/L	50.1		113	71-135			
1,2-Dichloropropane	52.95	1.0	ug/L	50.1		106	69-136			
Dibromomethane	51.03	1.0	ug/L	50.4		101	73-147			
Bromodichloromethane	55.60	1.0	ug/L	50.1		111	68-129			
cis-1,3-Dichloropropene	50.23	1.0	ug/L	50.1		100	65-134			
4-Methyl-2-pentanone (MIBK)	111.2	5.0	ug/L	100		111	58-147			

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CERTIFICATE OF ANALYSIS

11I2191

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1736 - EPA 5030B - EPA 8260D										
LCS (11I1736-BS1)										
Prepared: 09/30/25 00:00 Analyzed: 09/30/25 10:10										
Toluene	56.89	1.0	ug/L	50.5		113	72-133			
trans-1,3-Dichloropropene	55.11	1.0	ug/L	50.1		110	67-130			
1,1,2-Trichloroethane	56.53	1.0	ug/L	50.1		113	69-135			
Tetrachloroethylene	54.89	1.0	ug/L	50.1		110	69-130			
2-Hexanone (MBK)	105.8	5.0	ug/L	100		106	55-144			
Dibromochloromethane	48.15	1.0	ug/L	50.1		96.2	73-127			
1,2-Dibromoethane	52.27	1.0	ug/L	50.2		104	67-132			
Chlorobenzene	52.50	1.0	ug/L	50.1		105	72-123			
1,1,1,2-Tetrachloroethane	50.74	1.0	ug/L	50.3		101	73-127			
Ethylbenzene	54.60	1.0	ug/L	50.2		109	71-127			
Xylenes, total	167.1	2.0	ug/L	151		111	74-127			
Styrene	52.47	1.0	ug/L	50.4		104	66-126			
Bromoform	53.92	1.0	ug/L	50.1		108	68-130			
1,2,3-Trichloropropane	53.71	1.0	ug/L	50.3		107	63-136			
trans-1,4-Dichloro-2-butene	98.11	5.0	ug/L	100		98.1	54-134			
1,1,2,2-Tetrachloroethane	53.80	1.0	ug/L	50.1		107	61-131			
1,4-Dichlorobenzene	54.36	1.0	ug/L	50.1		108	70-129			
1,2-Dichlorobenzene	51.97	1.0	ug/L	50.1		104	69-126			
1,2-Dibromo-3-chloropropane	52.36	5.0	ug/L	50.1		104	50-143			
Surrogate: Dibromofluoromethane	52.3		ug/L	50.2		104	57-128			
Surrogate: Dibromofluoromethane	52.3		ug/L	50.2		104	75-136			
Surrogate: 1,2-Dichloroethane-d4	52.6		ug/L	50.4		104	49-135			
Surrogate: 1,2-Dichloroethane-d4	52.6		ug/L	50.4		104	61-142			
Surrogate: Toluene-d8	51.3		ug/L	50.5		102	82-116			
Surrogate: Toluene-d8	51.3		ug/L	50.5		102	82-121			
Surrogate: 4-Bromofluorobenzene	50.3		ug/L	50.2		100	77-114			
Surrogate: 4-Bromofluorobenzene	50.3		ug/L	50.2		100	80-116			
LCS Dup (11I1736-BS1)										
Prepared: 09/30/25 00:00 Analyzed: 09/30/25 10:32										
Chloromethane	30.41	1.0	ug/L	30.3		100	63-155	4.44	24	
Vinyl Chloride	34.13	1.0	ug/L	30.2		113	70-154	4.61	25	
Bromomethane	31.02	1.0	ug/L	30.1		103	52-176	6.16	27	
Chloroethane	26.68	1.0	ug/L	30.3		88.0	72-148	9.67	25	
Trichlorofluoromethane	33.34	1.0	ug/L	30.3		110	70-152	6.02	26	
1,1-Dichloroethylene	55.91	1.0	ug/L	50.1		112	70-148	5.21	24	
Acetone	103.5	10.0	ug/L	100		104	43-172	0.0773	30	
Methyl Iodide	123.8	1.0	ug/L	100		124	69-170	0.137	30	
Carbon Disulfide	110.7	1.0	ug/L	100		111	72-162	3.11	24	
Methylene Chloride	51.78	5.0	ug/L	50.1		103	68-142	0.731	21	
Acrylonitrile	53.30	5.0	ug/L	50.4		106	33-163	2.84	28	
trans-1,2-Dichloroethylene	56.06	1.0	ug/L	50.1		112	66-148	2.88	27	
1,1-Dichloroethane	54.53	1.0	ug/L	50.1		109	66-143	4.76	24	
Vinyl Acetate	171.8	5.0	ug/L	142		121	43-153	8.40	30	
cis-1,2-Dichloroethylene	53.47	1.0	ug/L	50.4		106	71-149	3.96	26	

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CERTIFICATE OF ANALYSIS

11I2191

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1736 - EPA 5030B - EPA 8260D										
LCS Dup (11I1736-BSD1)				Prepared: 09/30/25 00:00 Analyzed: 09/30/25 10:32						
2-Butanone (MEK)	103.1	10.0	ug/L	100		103	52-159	9.48	27	
Bromochloromethane	51.49	1.0	ug/L	50.4		102	69-143	3.02	23	
Chloroform	52.95	1.0	ug/L	50.1		106	69-144	1.39	23	
1,1,1-Trichloroethane	54.85	1.0	ug/L	50.1		109	62-129	6.39	24	
Carbon Tetrachloride	58.50	1.0	ug/L	50.1		117	63-141	4.27	25	
Benzene	56.52	1.0	ug/L	50.4		112	71-134	1.61	24	
1,2-Dichloroethane	54.65	1.0	ug/L	50.1		109	72-132	0.475	24	
Trichloroethylene	55.52	1.0	ug/L	50.1		111	71-135	2.03	24	
1,2-Dichloropropane	51.98	1.0	ug/L	50.1		104	69-136	1.85	24	
Dibromomethane	50.97	1.0	ug/L	50.4		101	73-147	0.118	25	
Bromodichloromethane	55.51	1.0	ug/L	50.1		111	68-129	0.162	22	
cis-1,3-Dichloropropene	49.76	1.0	ug/L	50.1		99.4	65-134	0.940	23	
4-Methyl-2-pentanone (MIBK)	109.7	5.0	ug/L	100		110	58-147	1.37	27	
Toluene	56.14	1.0	ug/L	50.5		111	72-133	1.33	24	
trans-1,3-Dichloropropene	54.63	1.0	ug/L	50.1		109	67-130	0.875	24	
1,1,2-Trichloroethane	56.47	1.0	ug/L	50.1		113	69-135	0.106	23	
Tetrachloroethylene	52.50	1.0	ug/L	50.1		105	69-130	4.45	25	
2-Hexanone (MBK)	104.4	5.0	ug/L	100		104	55-144	1.29	25	
Dibromochloromethane	48.83	1.0	ug/L	50.1		97.5	73-127	1.40	22	
1,2-Dibromoethane	52.04	1.0	ug/L	50.2		104	67-132	0.441	24	
Chlorobenzene	52.62	1.0	ug/L	50.1		105	72-123	0.228	23	
1,1,1,2-Tetrachloroethane	52.18	1.0	ug/L	50.3		104	73-127	2.80	24	
Ethylbenzene	52.69	1.0	ug/L	50.2		105	71-127	3.56	26	
Xylenes, total	164.7	2.0	ug/L	151		109	74-127	1.43	25	
Styrene	52.36	1.0	ug/L	50.4		104	66-126	0.210	23	
Bromoform	54.07	1.0	ug/L	50.1		108	68-130	0.278	23	
1,2,3-Trichloropropane	54.14	1.0	ug/L	50.3		108	63-136	0.797	24	
trans-1,4-Dichloro-2-butene	96.08	5.0	ug/L	100		96.1	54-134	2.09	27	
1,1,2,2-Tetrachloroethane	54.15	1.0	ug/L	50.1		108	61-131	0.648	29	
1,4-Dichlorobenzene	53.34	1.0	ug/L	50.1		106	70-129	1.89	24	
1,2-Dichlorobenzene	52.20	1.0	ug/L	50.1		104	69-126	0.442	26	
1,2-Dibromo-3-chloropropane	51.11	5.0	ug/L	50.1		102	50-143	2.42	30	
Surrogate: Dibromofluoromethane	50.4		ug/L	50.2		100	57-128			
Surrogate: Dibromofluoromethane	50.4		ug/L	50.2		100	75-136			
Surrogate: 1,2-Dichloroethane-d4	51.1		ug/L	50.4		101	49-135			
Surrogate: 1,2-Dichloroethane-d4	51.1		ug/L	50.4		101	61-142			
Surrogate: Toluene-d8	51.1		ug/L	50.5		101	82-116			
Surrogate: Toluene-d8	51.1		ug/L	50.5		101	82-121			
Surrogate: 4-Bromofluorobenzene	50.6		ug/L	50.2		101	77-114			
Surrogate: 4-Bromofluorobenzene	50.6		ug/L	50.2		101	80-116			
Matrix Spike (11I1736-MS1)				Source: 11I2191-01		Prepared: 09/30/25 00:00 Analyzed: 09/30/25 17:44				
Chloromethane	268.6	10.0	ug/L	303	ND	88.6	61-152			
Vinyl Chloride	306.3	10.0	ug/L	302	ND	101	66-149			

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CERTIFICATE OF ANALYSIS

11I2191

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1736 - EPA 5030B - EPA 8260D										
Matrix Spike (11I1736-MS1)	Source: 11I2191-01			Prepared: 09/30/25 00:00 Analyzed: 09/30/25 17:44						
Bromomethane	281.4	10.0	ug/L	301	ND	93.4	43-171			
Chloroethane	276.7	10.0	ug/L	303	ND	91.3	69-148			
Trichlorofluoromethane	328.1	10.0	ug/L	303	ND	108	62-163			
1,1-Dichloroethylene	537.6	10.0	ug/L	501	ND	107	70-148			
Acetone	1026	100	ug/L	1000	ND	103	45-173			
Methyl Iodide	1078	10.0	ug/L	1000	ND	108	62-167			
Carbon Disulfide	1050	10.0	ug/L	1000	ND	105	71-163			
Methylene Chloride	485.0	50.0	ug/L	501	ND	96.8	69-140			
Acrylonitrile	469.7	50.0	ug/L	504	ND	93.3	32-159			
trans-1,2-Dichloroethylene	525.1	10.0	ug/L	501	ND	105	69-144			
1,1-Dichloroethane	516.5	10.0	ug/L	501	ND	103	70-138			
Vinyl Acetate	1557	50.0	ug/L	1420	ND	109	58-142			
cis-1,2-Dichloroethylene	497.0	10.0	ug/L	504	ND	98.7	68-151			
2-Butanone (MEK)	1044	100	ug/L	1000	ND	104	50-160			
Bromochloromethane	488.8	10.0	ug/L	504	ND	97.0	65-143			
Chloroform	529.2	10.0	ug/L	501	ND	106	71-143			
1,1,1-Trichloroethane	535.9	10.0	ug/L	501	ND	107	63-133			
Carbon Tetrachloride	562.6	10.0	ug/L	501	ND	112	63-142			
Benzene	537.3	10.0	ug/L	504	ND	107	69-133			
1,2-Dichloroethane	516.4	10.0	ug/L	501	ND	103	63-138			
Trichloroethylene	559.7	10.0	ug/L	501	ND	112	71-133			
1,2-Dichloropropane	506.4	10.0	ug/L	501	ND	101	69-132			
Dibromomethane	492.1	10.0	ug/L	504	ND	97.7	70-147			
Bromodichloromethane	525.1	10.0	ug/L	501	ND	105	67-130			
cis-1,3-Dichloropropene	470.3	10.0	ug/L	501	ND	93.9	61-126			
4-Methyl-2-pentanone (MIBK)	1024	50.0	ug/L	1000	ND	102	55-147			
Toluene	545.2	10.0	ug/L	505	ND	108	71-133			
trans-1,3-Dichloropropene	516.6	10.0	ug/L	501	ND	103	63-124			
1,1,2-Trichloroethane	533.2	10.0	ug/L	501	ND	106	69-133			
Tetrachloroethylene	545.4	10.0	ug/L	501	ND	109	70-124			
2-Hexanone (MBK)	980.5	50.0	ug/L	1000	ND	98.0	53-141			
Dibromochloromethane	474.0	10.0	ug/L	501	ND	94.7	74-122			
1,2-Dibromoethane	519.1	10.0	ug/L	502	ND	103	66-127			
Chlorobenzene	529.2	10.0	ug/L	501	ND	106	76-116			
1,1,1,2-Tetrachloroethane	515.9	10.0	ug/L	503	ND	102	77-121			
Ethylbenzene	545.9	10.0	ug/L	502	ND	109	73-124			
Xylenes, total	1675	20.0	ug/L	1510	ND	111	75-123			
Styrene	530.9	10.0	ug/L	504	ND	105	70-120			
Bromoform	511.7	10.0	ug/L	501	ND	102	70-124			
1,2,3-Trichloropropane	539.1	10.0	ug/L	503	ND	107	62-135			
trans-1,4-Dichloro-2-butene	909.4	50.0	ug/L	1000	ND	90.9	50-120			
1,1,2,2-Tetrachloroethane	512.9	10.0	ug/L	501	ND	102	63-126			
1,4-Dichlorobenzene	531.1	10.0	ug/L	501	ND	106	72-119			

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CERTIFICATE OF ANALYSIS

11I2191

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1736 - EPA 5030B - EPA 8260D										
Matrix Spike (11I1736-MS1)	Source: 11I2191-01			Prepared: 09/30/25 00:00 Analyzed: 09/30/25 17:44						
1,2-Dichlorobenzene	527.2	10.0	ug/L	501	ND	105	71-117			
1,2-Dibromo-3-chloropropane	457.3	50.0	ug/L	501	ND	91.2	49-134			
Surrogate: Dibromofluoromethane	491		ug/L	502		97.8	57-128			
Surrogate: Dibromofluoromethane	491		ug/L	502		97.8	75-136			
Surrogate: 1,2-Dichloroethane-d4	495		ug/L	504		98.3	49-135			
Surrogate: 1,2-Dichloroethane-d4	495		ug/L	504		98.3	61-142			
Surrogate: Toluene-d8	501		ug/L	505		99.3	82-116			
Surrogate: Toluene-d8	501		ug/L	505		99.3	82-121			
Surrogate: 4-Bromofluorobenzene	536		ug/L	502		107	77-114			
Surrogate: 4-Bromofluorobenzene	536		ug/L	502		107	80-116			
Matrix Spike Dup (11I1736-MSD1)	Source: 11I2191-01			Prepared: 09/30/25 00:00 Analyzed: 09/30/25 18:07						
Chloromethane	283.7	10.0	ug/L	303	ND	93.6	61-152	5.47	26	
Vinyl Chloride	302.1	10.0	ug/L	302	ND	99.9	66-149	1.38	23	
Bromomethane	275.4	10.0	ug/L	301	ND	91.4	43-171	2.16	29	
Chloroethane	273.9	10.0	ug/L	303	ND	90.3	69-148	1.02	25	
Trichlorofluoromethane	311.7	10.0	ug/L	303	ND	103	62-163	5.13	25	
1,1-Dichloroethylene	514.1	10.0	ug/L	501	ND	103	70-148	4.47	22	
Acetone	1049	100	ug/L	1000	ND	105	45-173	2.27	30	
Methyl Iodide	1076	10.0	ug/L	1000	ND	108	62-167	0.102	24	
Carbon Disulfide	1004	10.0	ug/L	1000	ND	100	71-163	4.51	22	
Methylene Chloride	490.1	50.0	ug/L	501	ND	97.8	69-140	1.05	19	
Acrylonitrile	475.4	50.0	ug/L	504	ND	94.4	32-159	1.21	30	
trans-1,2-Dichloroethylene	517.5	10.0	ug/L	501	ND	103	69-144	1.46	22	
1,1-Dichloroethane	508.3	10.0	ug/L	501	ND	101	70-138	1.60	20	
Vinyl Acetate	1540	50.0	ug/L	1420	ND	108	58-142	1.13	24	
cis-1,2-Dichloroethylene	481.0	10.0	ug/L	504	ND	95.5	68-151	3.27	22	
2-Butanone (MEK)	1017	100	ug/L	1000	ND	102	50-160	2.56	23	
Bromochloromethane	486.9	10.0	ug/L	504	ND	96.6	65-143	0.389	22	
Chloroform	504.8	10.0	ug/L	501	ND	101	71-143	4.72	21	
1,1,1-Trichloroethane	516.9	10.0	ug/L	501	ND	103	63-133	3.61	23	
Carbon Tetrachloride	547.8	10.0	ug/L	501	ND	109	63-142	2.67	22	
Benzene	529.2	10.0	ug/L	504	ND	105	69-133	1.52	18	
1,2-Dichloroethane	522.7	10.0	ug/L	501	ND	104	63-138	1.21	20	
Trichloroethylene	526.9	10.0	ug/L	501	ND	105	71-133	6.04	23	
1,2-Dichloropropane	507.6	10.0	ug/L	501	ND	101	69-132	0.237	20	
Dibromomethane	473.7	10.0	ug/L	504	ND	94.0	70-147	3.81	22	
Bromodichloromethane	525.7	10.0	ug/L	501	ND	105	67-130	0.114	21	
cis-1,3-Dichloropropene	468.3	10.0	ug/L	501	ND	93.5	61-126	0.426	21	
4-Methyl-2-pentanone (MIBK)	1020	50.0	ug/L	1000	ND	102	55-147	0.440	23	
Toluene	520.5	10.0	ug/L	505	ND	103	71-133	4.64	19	
trans-1,3-Dichloropropene	499.5	10.0	ug/L	501	ND	99.8	63-124	3.37	21	
1,1,2-Trichloroethane	524.8	10.0	ug/L	501	ND	105	69-133	1.59	19	
Tetrachloroethylene	517.2	10.0	ug/L	501	ND	103	70-124	5.31	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 11I1736 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (11I1736-MSD1) Source: 11I2191-01 Prepared: 09/30/25 00:00 Analyzed: 09/30/25 18:07										
2-Hexanone (MBK)	992.7	50.0	ug/L	1000	ND	99.3	53-141	1.24	24	
Dibromochloromethane	477.7	10.0	ug/L	501	ND	95.4	74-122	0.778	21	
1,2-Dibromoethane	503.2	10.0	ug/L	502	ND	100	66-127	3.11	23	
Chlorobenzene	503.0	10.0	ug/L	501	ND	100	76-116	5.08	21	
1,1,1,2-Tetrachloroethane	512.3	10.0	ug/L	503	ND	102	77-121	0.700	25	
Ethylbenzene	519.4	10.0	ug/L	502	ND	104	73-124	4.98	20	
Xylenes, total	1605	20.0	ug/L	1510	ND	106	75-123	4.28	20	
Styrene	510.7	10.0	ug/L	504	ND	101	70-120	3.88	23	
Bromoform	510.2	10.0	ug/L	501	ND	102	70-124	0.294	22	
1,2,3-Trichloropropane	519.3	10.0	ug/L	503	ND	103	62-135	3.74	28	
trans-1,4-Dichloro-2-butene	923.5	50.0	ug/L	1000	ND	92.4	50-120	1.54	26	
1,1,2,2-Tetrachloroethane	514.1	10.0	ug/L	501	ND	103	63-126	0.234	24	
1,4-Dichlorobenzene	524.8	10.0	ug/L	501	ND	105	72-119	1.19	24	
1,2-Dichlorobenzene	509.1	10.0	ug/L	501	ND	102	71-117	3.49	24	
1,2-Dibromo-3-chloropropane	420.9	50.0	ug/L	501	ND	84.0	49-134	8.29	28	
Surrogate: Dibromofluoromethane	479		ug/L	502		95.5	57-128			
Surrogate: Dibromofluoromethane	479		ug/L	502		95.5	75-136			
Surrogate: 1,2-Dichloroethane-d4	487		ug/L	504		96.6	49-135			
Surrogate: 1,2-Dichloroethane-d4	487		ug/L	504		96.6	61-142			
Surrogate: Toluene-d8	504		ug/L	505		99.8	82-116			
Surrogate: Toluene-d8	504		ug/L	505		99.8	82-121			
Surrogate: 4-Bromofluorobenzene	514		ug/L	502		103	77-114			
Surrogate: 4-Bromofluorobenzene	514		ug/L	502		103	80-116			
Batch 11J0403 - EPA 5030B - EPA 8260D										
Blank (11J0403-BLK1) Prepared: 10/07/25 00:00 Analyzed: 10/07/25 10:34										
Vinyl Chloride	<1.0	1.0	ug/L							
Surrogate: Dibromofluoromethane	46.1		ug/L	50.2		91.9	57-128			
Surrogate: 1,2-Dichloroethane-d4	41.6		ug/L	50.4		82.5	49-135			
Surrogate: Toluene-d8	49.1		ug/L	50.5		97.4	82-116			
Surrogate: 4-Bromofluorobenzene	48.0		ug/L	50.2		95.6	77-114			
LCS (11J0403-BS1) Prepared: 10/07/25 00:00 Analyzed: 10/07/25 09:18										
Vinyl Chloride	31.88	1.0	ug/L	30.2		105	51-157			
Surrogate: Dibromofluoromethane	45.0		ug/L	50.2		89.7	57-128			
Surrogate: 1,2-Dichloroethane-d4	41.6		ug/L	50.4		82.6	49-135			
Surrogate: Toluene-d8	49.1		ug/L	50.5		97.3	82-116			
Surrogate: 4-Bromofluorobenzene	48.8		ug/L	50.2		97.3	77-114			
LCS Dup (11J0403-BSD1) Prepared: 10/07/25 00:00 Analyzed: 10/07/25 09:44										
Vinyl Chloride	29.94	1.0	ug/L	30.2		99.0	51-157	6.28	23	
Surrogate: Dibromofluoromethane	45.0		ug/L	50.2		89.7	57-128			
Surrogate: 1,2-Dichloroethane-d4	41.6		ug/L	50.4		82.5	49-135			

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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 11J0403 - EPA 5030B - EPA 8260D										
LCS Dup (11J0403-BSD1)				Prepared: 10/07/25 00:00 Analyzed: 10/07/25 09:44						
Surrogate: Toluene-d8	48.8		ug/L	50.5		96.7	82-116			
Surrogate: 4-Bromofluorobenzene	49.1		ug/L	50.2		97.9	77-114			
Matrix Spike (11J0403-MS1)				Source: 11I2191-13 Prepared: 10/07/25 00:00 Analyzed: 10/07/25 12:39						
Vinyl Chloride	289.4	10.0	ug/L	302	ND	95.7	49-154			
Surrogate: Dibromofluoromethane	440		ug/L	502		87.6	57-128			
Surrogate: 1,2-Dichloroethane-d4	414		ug/L	504		82.1	49-135			
Surrogate: Toluene-d8	494		ug/L	505		97.8	82-116			
Surrogate: 4-Bromofluorobenzene	492		ug/L	502		98.2	77-114			
Matrix Spike Dup (11J0403-MSD1)				Source: 11I2191-13 Prepared: 10/07/25 00:00 Analyzed: 10/07/25 13:04						
Vinyl Chloride	271.1	10.0	ug/L	302	ND	89.6	49-154	6.53	17	
Surrogate: Dibromofluoromethane	437		ug/L	502		87.1	57-128			
Surrogate: 1,2-Dichloroethane-d4	412		ug/L	504		81.8	49-135			
Surrogate: Toluene-d8	491		ug/L	505		97.3	82-116			
Surrogate: 4-Bromofluorobenzene	486		ug/L	502		96.9	77-114			
Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1720 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (11I1720-BLK1)				Prepared: 09/30/25 14:31 Analyzed: 10/01/25 19:04						
Antimony, total	<0.0010	0.0010	mg/L							
Arsenic, total	<0.0020	0.0020	mg/L							
Barium, total	<0.0010	0.0010	mg/L							
Beryllium, total	<0.0005	0.0005	mg/L							
Cadmium, total	<0.0002	0.0002	mg/L							
Chromium, total	<0.0010	0.0010	mg/L							B
Cobalt, total	<0.0005	0.0005	mg/L							
Copper, total	<0.0050	0.0050	mg/L							
Lead, total	<0.0010	0.0010	mg/L							
Nickel, total	<0.0050	0.0050	mg/L							
Selenium, total	<0.0020	0.0020	mg/L							
Silver, total	<0.0050	0.0050	mg/L							
Thallium, total	<0.0005	0.0005	mg/L							
Vanadium, total	<0.0020	0.0020	mg/L							
Zinc, total	<0.0050	0.0050	mg/L							
LCS (11I1720-BS1)				Prepared: 09/30/25 14:31 Analyzed: 10/01/25 19:06						
Antimony, total	0.0963	0.0010	mg/L	0.100		96.3	80-120			
Arsenic, total	0.111	0.0020	mg/L	0.100		111	80-120			
Barium, total	0.110	0.0010	mg/L	0.100		110	80-120			
Beryllium, total	0.0987	0.0005	mg/L	0.100		98.7	80-120			
Cadmium, total	0.105	0.0002	mg/L	0.100		105	80-120			

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CERTIFICATE OF ANALYSIS

11I2191

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1720 - EPA 3005A Total Recoverable Metals - EPA 6020A										
LCS (11I1720-BS1) Prepared: 09/30/25 14:31 Analyzed: 10/01/25 19:06										
Chromium, total	0.106	0.0010	mg/L	0.100		106	80-120			
Cobalt, total	0.111	0.0005	mg/L	0.100		111	80-120			
Copper, total	0.111	0.0050	mg/L	0.100		111	80-120			
Lead, total	0.111	0.0010	mg/L	0.100		111	80-120			
Nickel, total	0.109	0.0050	mg/L	0.100		109	80-120			
Selenium, total	0.1106	0.0020	mg/L	0.100		111	80-120			
Silver, total	0.111	0.0050	mg/L	0.100		111	80-120			
Thallium, total	0.108	0.0005	mg/L	0.100		108	80-120			
Vanadium, total	0.113	0.0020	mg/L	0.100		113	80-120			
Zinc, total	0.112	0.0050	mg/L	0.100		112	80-120			
Matrix Spike (11I1720-MS1) Source: 11I2191-01 Prepared: 09/30/25 14:31 Analyzed: 10/01/25 19:11										
Antimony, total	0.101	0.0010	mg/L	0.100	0.0005	101	75-125			
Arsenic, total	0.112	0.0020	mg/L	0.100	0.0030	109	75-125			
Barium, total	0.432	0.0010	mg/L	0.100	0.323	109	75-125			
Beryllium, total	0.102	0.0005	mg/L	0.100	ND	102	75-125			
Cadmium, total	0.108	0.0002	mg/L	0.100	0.0007	107	75-125			
Chromium, total	0.108	0.0010	mg/L	0.100	0.0014	106	75-125			
Cobalt, total	0.114	0.0005	mg/L	0.100	0.0046	109	75-125			
Copper, total	0.109	0.0050	mg/L	0.100	0.0045	104	75-125			
Lead, total	0.113	0.0010	mg/L	0.100	0.0003	112	75-125			
Nickel, total	0.112	0.0050	mg/L	0.100	0.0102	102	75-125			
Selenium, total	0.1089	0.0020	mg/L	0.100	ND	109	75-125			
Silver, total	0.114	0.0050	mg/L	0.100	ND	114	75-125			
Thallium, total	0.110	0.0005	mg/L	0.100	0.0001	110	75-125			
Vanadium, total	0.120	0.0020	mg/L	0.100	0.0007	119	75-125			
Zinc, total	0.114	0.0050	mg/L	0.100	0.0080	106	75-125			
Matrix Spike Dup (11I1720-MSD1) Source: 11I2191-01 Prepared: 09/30/25 14:31 Analyzed: 10/01/25 19:19										
Antimony, total	0.102	0.0010	mg/L	0.100	0.0005	102	75-125	1.08	20	
Arsenic, total	0.113	0.0020	mg/L	0.100	0.0030	110	75-125	0.574	20	
Barium, total	0.437	0.0010	mg/L	0.100	0.323	114	75-125	1.16	20	
Beryllium, total	0.101	0.0005	mg/L	0.100	ND	101	75-125	0.879	20	
Cadmium, total	0.109	0.0002	mg/L	0.100	0.0007	108	75-125	1.06	20	
Chromium, total	0.106	0.0010	mg/L	0.100	0.0014	105	75-125	1.47	20	
Cobalt, total	0.112	0.0005	mg/L	0.100	0.0046	107	75-125	2.15	20	
Copper, total	0.110	0.0050	mg/L	0.100	0.0045	106	75-125	1.50	20	
Lead, total	0.113	0.0010	mg/L	0.100	0.0003	113	75-125	0.474	20	
Nickel, total	0.114	0.0050	mg/L	0.100	0.0102	104	75-125	1.98	20	
Selenium, total	0.1101	0.0020	mg/L	0.100	ND	110	75-125	1.06	20	
Silver, total	0.116	0.0050	mg/L	0.100	ND	116	75-125	2.09	20	
Thallium, total	0.112	0.0005	mg/L	0.100	0.0001	112	75-125	1.27	20	
Vanadium, total	0.117	0.0020	mg/L	0.100	0.0007	117	75-125	1.98	20	
Zinc, total	0.118	0.0050	mg/L	0.100	0.0080	110	75-125	3.18	20	
Post Spike (11I1720-PS1) Source: 11I2191-01 Prepared: 09/30/25 14:31 Analyzed: 10/01/25 19:21										

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CERTIFICATE OF ANALYSIS

11I2191

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1720 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Post Spike (11I1720-PS1) Source: 11I2191-01 Prepared: 09/30/25 14:31 Analyzed: 10/01/25 19:21										
Antimony, total	0.0212		mg/L	0.0200	0.0005	104	80-120			
Arsenic, total	0.0247		mg/L	0.0200	0.0030	109	80-120			
Barium, total	0.348		mg/L	0.0200	0.323	122	80-120			M1
Beryllium, total	0.0203		mg/L	0.0200	0.00004	101	80-120			
Cadmium, total	0.0223		mg/L	0.0200	0.0007	108	80-120			
Chromium, total	0.0227		mg/L	0.0200	0.0014	107	80-120			
Cobalt, total	0.0262		mg/L	0.0200	0.0046	108	80-120			
Copper, total	0.0260		mg/L	0.0200	0.0045	107	80-120			
Lead, total	0.0228		mg/L	0.0200	0.0003	113	80-120			
Nickel, total	0.0311		mg/L	0.0200	0.0102	104	80-120			
Selenium, total	0.0220		mg/L	0.0200	-0.0004	110	80-120			
Silver, total	0.0230		mg/L	0.0200	0.0002	114	80-120			
Thallium, total	0.0228		mg/L	0.0200	0.0001	114	80-120			
Vanadium, total	0.0218		mg/L	0.0200	0.0007	106	80-120			
Zinc, total	0.0301		mg/L	0.0200	0.0080	111	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.
RL:	Reporting Limit
RPD:	Relative Percent Difference

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 4.6°C

Cooler Inspection Checklist

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

Report Comments

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.

Reviewed and Approved By:

Heather Murphy
Customer Relationship Specialist
heather.murphy@microbac.com
10/15/25 13:53

CHAIN OF CUSTODY RECORD



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Newton, IA 50208
Phone: 641-792-8451

Page 1 of 2

Printed: 8/28/2025 3:43:44PM

Page 41 of 42

SITE INFORMATION

Sampler: _____

Project: South Dallas Co. - New Regs
Appendix Sampling

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

Mike Fountas
South Dallas County Landfill
2000 Main Street, PO Box 263
Adel, IA 50003



1 I I 2 1 9 1

HLW Engineering
PM: Heather Murphy

Temperature: 4.6 ice °C

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
01-001	MW-2	Aqueous	GRAB				Indfil-app1-metals-6020dfill-app1-voc-group	~~0101~~
02-001	MW-9	Aqueous	GRAB	9/25/25	8:59	7	Indfil-app1-metals-6020dfill-app1-voc-group	0201
03-001	MW-17	Aqueous	GRAB	9/25/25	10:13	7	Indfil-app1-metals-6020dfill-app1-voc-group	0302
04-001	MW-18	Aqueous	GRAB	9/25/25	9:36	7	Indfil-app1-metals-6020dfill-app1-voc-group	0403
05-001	MW-19A	Aqueous	GRAB	9/25/25	9:55	7	Indfil-app1-metals-6020dfill-app1-voc-group	0504
06-001	MW-4	Aqueous	GRAB	9/25/25	10:43	7	Indfil-app1-metals-6020dfill-app1-voc-group	0605
07-001	MW-24	Aqueous	GRAB	9/25/25	9:16	7	Indfil-app1-metals-6020dfill-app1-voc-group	0704
08-001	MW-5	Aqueous	GRAB	9/25/25	11:21	7	Indfil-app1-metals-6020dfill-app1-voc-group	0807
09-001	MW-10	Aqueous	GRAB				Indfil-app1-metals-6020dfill-app1-voc-group	0908
10-001	MW-12	Aqueous	GRAB	9/25/25	11:48	7	Indfil-app1-metals-6020dfill-app1-voc-group	0908

Relinquished By _____ Date/Time _____

Relinquished By _____ Date/Time _____

Received By _____ Date/Time _____

Received for Lab By _____ Date/Time _____

Remarks:

CHAIN OF CUSTODY RECORD



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Newton, IA 50208
Phone: 641-792-8451

Page 2 of 2
Printed: 8/28/2025 3:43:44PM

Page 42 of 42

SITE INFORMATION

Sampler: _____
Project: South Dallas Co. - New Regs
Appendix Sampling

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

Mike Fountas
South Dallas County Landfill
2000 Main Street, PO Box 263
Adel, IA 50003

LAB USE ONLY



1 I I 2 1 9 1

HLW Engineering
PM: Heather Murphy

Temperature: 4.6 ice °C

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
11-001	MW-15R	Aqueous	GRAB	9/25/25	12:15	7	Indfil-app1-metals-6020dfill-app1-voc-group	10 09
12-001	MW-20R	Aqueous	GRAB	9/25/25	12:07	7	Indfil-app1-metals-6020dfill-app1-voc-group	11 10
13-001	MW-21	Aqueous	GRAB	9/25/25	11:37	7	Indfil-app1-metals-6020dfill-app1-voc-group	12 11
14-001	MW-22	Aqueous	GRAB	9/25/25	10:33	7	Indfil-app1-metals-6020dfill-app1-voc-group	13 12
15-001	MW-25	Aqueous	GRAB	9/25/25	11:04	4	as-t-6020 8260@vc	14 13
16-001	MW-26	Aqueous	GRAB	9/25/25	10:54	4	ba-t-6020 8260-base-analysis	15 14
17-001	Duplicate	Aqueous	GRAB	9/25/25	11:21	7	Indfil-app1-metals-6020dfill-app1-voc-group	16 15

Relinquished By [Signature] Date/Time 9/26/25

Relinquished By _____ Date/Time _____

Received By _____ Date/Time _____

Received for Lab By Schubar Date/Time 9/26/25 10:35

Remarks:



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IL1457

Project Description

Appendix Sampling

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Monday, December 29, 2025

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

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

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IL1457

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: Appendix Sampling

Project / PO Number: N/A
Received: 12/17/2025
Reported: 12/29/2025

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-12	1IL1457-01	Aqueous	GRAB		12/15/25 12:41	12/17/25 09:39



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11L1457

Analytical Testing Parameters

Client Sample ID:	MW-12	Collected By:	JGH
Sample Matrix:	Aqueous	Collection Date:	12/15/2025 12:41
Lab Sample ID:	11L1457-01		

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloroethane	<1.0	1.0	ug/L		12/23/25 0000	12/23/25 1309	RAF
Surrogate: Dibromofluoromethane	94.7	Limit: 57-128	% Rec		12/23/25 0000	12/23/25 1309	RAF
Surrogate: 1,2-Dichloroethane-d4	97.2	Limit: 49-135	% Rec		12/23/25 0000	12/23/25 1309	RAF
Surrogate: Toluene-d8	98.1	Limit: 82-116	% Rec		12/23/25 0000	12/23/25 1309	RAF
Surrogate: 4-Bromofluorobenzene	96.5	Limit: 77-114	% Rec		12/23/25 0000	12/23/25 1309	RAF



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IL1457

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IL1259	1IL1259-BS1	
		1IL1259-BS1	
		1IL1259-BSD1	
		1IL1259-BSD1	
		1IL1259-BLK1	
		1IL1259-BLK1	
		1IL1457-01	MW-12
		1IL1457-01	MW-12
		1IL1259-MS1	1IL1132-03
		1IL1259-MS1	1IL1132-03
		1IL1259-MSD1	1IL1132-03
		1IL1259-MSD1	1IL1132-03

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 1IL1259 - EPA 5030B - EPA 8260D										
Blank (1IL1259-BLK1)				Prepared: 12/23/25 00:00 Analyzed: 12/23/25 10:07						
Chloroethane	<1.0	1.0	ug/L							
Surrogate: Dibromofluoromethane	47.6		ug/L	50.2		94.9	57-128			
Surrogate: 1,2-Dichloroethane-d4	48.1		ug/L	50.4		95.6	49-135			
Surrogate: Toluene-d8	49.5		ug/L	50.5		98.1	82-116			
Surrogate: 4-Bromofluorobenzene	48.4		ug/L	50.2		96.4	77-114			
LCS (1IL1259-BS1)				Prepared: 12/23/25 00:00 Analyzed: 12/23/25 08:58						
Chloroethane	28.55	1.0	ug/L	30.3		94.2	68-134			
Surrogate: Dibromofluoromethane	47.2		ug/L	50.2		94.1	57-128			
Surrogate: 1,2-Dichloroethane-d4	47.1		ug/L	50.4		93.5	49-135			
Surrogate: Toluene-d8	49.8		ug/L	50.5		98.6	82-116			
Surrogate: 4-Bromofluorobenzene	50.2		ug/L	50.2		100	77-114			
LCS Dup (1IL1259-BSD1)				Prepared: 12/23/25 00:00 Analyzed: 12/23/25 09:21						
Chloroethane	29.77	1.0	ug/L	30.3		98.2	68-134	4.18	21	
Surrogate: Dibromofluoromethane	47.0		ug/L	50.2		93.6	57-128			
Surrogate: 1,2-Dichloroethane-d4	46.6		ug/L	50.4		92.5	49-135			
Surrogate: Toluene-d8	49.8		ug/L	50.5		98.7	82-116			
Surrogate: 4-Bromofluorobenzene	50.7		ug/L	50.2		101	77-114			
Matrix Spike (1IL1259-MS1)				Source: 1IL1132-03	Prepared: 12/23/25 00:00 Analyzed: 12/23/25 15:04					
Chloroethane	296.3	10.0	ug/L	303	ND	97.7	67-132			
Surrogate: Dibromofluoromethane	470		ug/L	502		93.6	57-128			
Surrogate: 1,2-Dichloroethane-d4	472		ug/L	504		93.8	49-135			
Surrogate: Toluene-d8	499		ug/L	505		98.9	82-116			
Surrogate: 4-Bromofluorobenzene	499		ug/L	502		99.5	77-114			
Matrix Spike Dup (1IL1259-MSD1)				Source: 1IL1132-03	Prepared: 12/23/25 00:00 Analyzed: 12/23/25 15:26					

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CERTIFICATE OF ANALYSIS

11L1457

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11L1259 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (11L1259-MSD1)		Source: 11L1132-03		Prepared: 12/23/25 00:00 Analyzed: 12/23/25 15:26						
Chloroethane	299.3	10.0	ug/L	303	ND	98.7	67-132	1.01	15	
Surrogate: Dibromofluoromethane	467		ug/L	502		93.0	57-128			
Surrogate: 1,2-Dichloroethane-d4	470		ug/L	504		93.3	49-135			
Surrogate: Toluene-d8	496		ug/L	505		98.2	82-116			
Surrogate: 4-Bromofluorobenzene	502		ug/L	502		100	77-114			

Definitions

RL: Reporting Limit
RPD: Relative Percent Difference

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 4.8°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
12/29/25 10:41

CHAIN

Keystone
LABORATORIES, INC.

600 E. 17th St. S.
Newton, IA 50208
Phone: 641-792-8451
Fax: 641-792-7989



HLW Engineering
PM: Heather Murphy

St Paul
City, KS 66105
913-321-7856
913-831-6778

205 E VanBuren St
Centerville, IA 52544
Phone: 641-437-7023
Fax: 641-437-7040

PAGE 1 OF 1

PRINT OR TYPE INFORMATION BELOW

SAMPLER: JGH

SITE NAME: S. DALLAS CO SLF

ADDRESS:

CITY/ST/ZIP:

PHONE:

REPORT TO:

REPORT TO:
NAME: TODD WHIPPLE
COMPANY NAME: HLW ENGR.
ADDRESS: PO Box 314
CITY/ST/ZIP: STORY CITY IA 50248
PHONE: 515-733-4144
FAX: 515-733-4146

BILL TO:

NAME: MIKE FOUNTAS
COMPANY NAME: S. DALLAS CO SLF
ADDRESS: PO BOX 263
CITY/ST/ZIP: ADEL, IA 50003
PHONE:

Keystone Quote No: _____ (If Applicable)

[illegible]

Relinquished by: (Signature)

Relinquished by: (Signature)

Date

12/17/25

Time

Received by: (Signature)

Received for Lab by: (Signature)

Date

Date	
Time	
Date	12-17-21
Time	9:38

Time

Turn-Around:

 Standard

 Rush

Contact Lab Prior to Submission

Remarks:

Appendix D

Summary of Field Turbidity Measurements

South Dallas County Sanitary Landfill

Field Turbidity Over Time

No-Purge Sampling

	4/24/17	10/9/17	3/21/18	6/11/18	9/7/18	4/2/19	6/5/19	9/18/19	3/25/20	8/18/20	9/15/20	12/2/20	3/8/21	9/28/21	12/3/21	3/8/22	8/30/22	3/7/23	9/11/23	3/20/24	5/9/24	9/12/24	3/3/25	9/25/25	Max	Min	Ave	Std Dev
Well	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU				
2	1.94					0.61			4.8																4.80	0.61	2.45	2.14
4	7.58	11.1	3.88		2.92	10.5		6.26	3.25		106		3.57	15.6	2.26	3.75	6.52	2.35	5.31	5.8		5.03	4.35	6.31	106.00	2.26	11.18	23.21
5	31.4	28.1	13.0		5.83	30.5	127.5	8.48	13.23		23.6		24.7	52.7		9.78	164	305	70.94	40.45		5.81	5.75	3.41	305.00	3.41	50.75	74.98
9	0.73	5.81	1.59	12.6	21.6	6.52		59.7	3.7		7.67		3.67	5.71		3.23	2.82	3.86	14.42	6.83		3.8	3.47	9.25	59.70	0.73	9.31	13.21
12	35.8	3.8	39.6		11.2	37.6		88.1	98.96		37.4		115	52.8		243	12.9	346	41.43	88.49	13.89	17.3	27.4	144	346.00	3.80	76.56	87.70
15R	87.6	7.03	38.7		4.55	81.3		6.54	45.99		13.5		168	35.4		50.9	5.74	94.7	4.3	11		24.1	19.8	9.15	168.00	4.30	39.35	43.78
17	5.23	7.9	10.1		8.9	10.5		6.02	8.71		3.09		5.1	47.5		13	1.72	6.41	4.58	7.35		9.34	2.3	2.17	47.50	1.72	8.88	10.14
18	1.63	1.69	2.37		4.99	1.14		3.07	2.86		4.81		3.1	4.21		5.98	3.66	11.7	89.88	12.26		9.29	8.9	9.1	89.88	1.14	10.04	20.23
19A	2.13	10.1	0.61		3.71	2.7		1.91	1.17		2.65	1.11	1.88	3.86		2.87	2.47	1.98	2.5	2.41		1.69	3.17	1.21	10.10	0.61	2.64	2.00
20R	724	15.3	23.5		4.11	121		2.66	7.22		1.16		69.5	2.6		14.5	3.51	5.58	3.89	53.88		5.46	15.1	13.4	724.00	1.16	60.35	168.48
21	68.9	17.9	51.3		15.1	216		3.96	380.3		1.77		25.4	11.4		152	3.12	1000	2.43	215.1		7.28	29.6	10.9	1000.00	1.77	122.91	242.35
22	2.09	6.61	1.55		3.4	6.76		2.34	1.76		2.95		3.5			4.87	21.5	5.88		2.22		5.56	1.38	1.81	21.50	1.38	4.64	4.86
24	22	15.1	179		160	63.5		13.8	23.07	161.2	6.96		12.7	4.71		13.2	3.24	2.59	8.34	12.22		3.52	8.46	9.64	179.00	2.59	38.07	58.87
25	10.1	42.2	8.52		2.93	4.15			14.2		3.15		22.1	5.51		8.79	2.45	7.9	4.46	12.12		6.01	7.76	4.06	42.20	2.45	9.79	9.71
26	27.2	11.6	106		445	745		301	626.8		385		9.64	437		20.8	1000	350	67.51	26.81		16.5	96.1	60.1	1000.00	9.64	262.89	295.58
Max	724.00	46.80	179.00	47.30	445.00	745.00	127.50	301.00	626.80	161.20	385.00	1.11	370.00	437.00	2.26	243.00	1000.00	1000.00	89.88	215.10	14.80	24.10	96.10	144.00				
Min	0.73	1.69	0.61	12.60	2.92	0.61	127.50	1.51	1.15	161.20	1.16	1.11	1.88	2.60	2.26	2.87	1.72	1.98	2.43	2.22	13.89	1.69	1.38	1.21				
Median	14.00	11.35	13.00	29.95	5.56	10.50	127.50	6.26	10.97	161.20	5.89	1.11	17.40	13.50	2.26	13.00	3.66	7.90	5.31	12.22	14.35	5.91	8.46	9.15				
Average	76.16	15.99	33.66	29.95	45.41	76.53	127.50	41.02	72.67	161.20	41.81	1.11	54.84	50.67	2.26	40.12	83.56	143.92	24.61	34.44	14.35	8.62	16.88	19.95				

Appendix E

Summary of Prediction Limit Exceedances 2020 - Present

Spring 2020		Fall 2020	
MW-4*	Benzene	MW-4*	1,1-dichloroethane
	Chloroethane		1,4-dichlorobenzene
	dichlorodifluoromethane		Benzene
	Vinyl Chloride		Chloroethane
			cis-1,2-dichloroethene
			Vinyl Chloride
MW-5*	Bis(2ethylhexyl)phthalate	MW-5*	Chloroethane
	Chloroethane		
MW-21*	Barium	MW-21*	None
	Chloroethane		
MW-22*	Benzene	MW-22*	Benzene
	Vinyl Chloride		Chloroethane
			Vinyl Chloride

* = Assessment Monitoring Well

Spring 2021		Fall 2021	
MW-4*	1,4-dichlorobenzene	MW-4*	1,1-dichloroethane
	Benzene		1,2-dichloropropane
	Chloroethane		1,4-dichlorobenzene
			Acetone
			Benzene
			Bis(2ethylhexyl)phthalate
			Chloroethane
			cis-1,2-dichloroethene
			Vinyl Chloride
MW-5*	Chloroethane	MW-5*	None
MW-21*	Chloroethane	MW-21*	None
MW-22*	Benzene	MW-22*	None
	Chloroethane		
	Vinyl Chloride		

* = Assessment Monitoring Well

Spring 2022		Fall 2022	
MW-4*	1,4-dichlorobenzene	MW-4*	1,4-dichlorobenzene
	Benzene		Benzene
	Chloroethane		Chloroethane
			cis-1,2-dichloroethene
			Vinyl Chloride
MW-5*	None	MW-5*	Arsenic
			Copper
			Chloroethane
MW-21*	Chloroethane	MW-21*	None
MW-22*	Benzene	MW-22*	None

* = Assessment Monitoring Well

Spring 2023		Fall 2023	
MW-4*	1,2-dichloropropane	MW-4*	1,2-dichloropropane
	1,4-dichlorobenzene		1,4-dichlorobenzene
	Benzene		Benzene
	Chloroethane		Chloroethane
			cis-1,2-dichloroethene
			Vinyl Chloride
			Chromium
			Nickel
MW-5*	Chloroethane	MW-5*	None
MW-21*	Chloroethane	MW-21*	None
	Barium		
MW-22*	Benzene	MW-22*	None
	Vinyl Chloride		

* = Assessment Monitoring Well

Spring 2024		Fall 2024	
MW-4*	1,4-dichlorobenzene	MW-4*	1,4-dichlorobenzene
	Benzene		Benzene
	Chloroethane		Chloroethane
			cis-1,2-dichloroethene
MW-5*	Copper	MW-5*	Bis(2ethylhexyl)phthalate
			Nickel
MW-21*	None	MW-21*	None
MW-22*	None	MW-22*	None

* = Assessment Monitoring Well

Spring 2025		Fall 2025	
MW-4*	1,4-dichlorobenzene	MW-4*	1,4-dichlorobenzene
	Benzene		Benzene
			Chloroethane
			cis-1,2-dichloroethene
			Vinyl Chloride
MW-5*	None	MW-5*	Chloroethane
MW-21*	None	MW-21*	None
MW-22*	None	MW-22*	Benzene

* = Assessment Monitoring Well

Appendix F

Summary of Assessment Monitoring Results

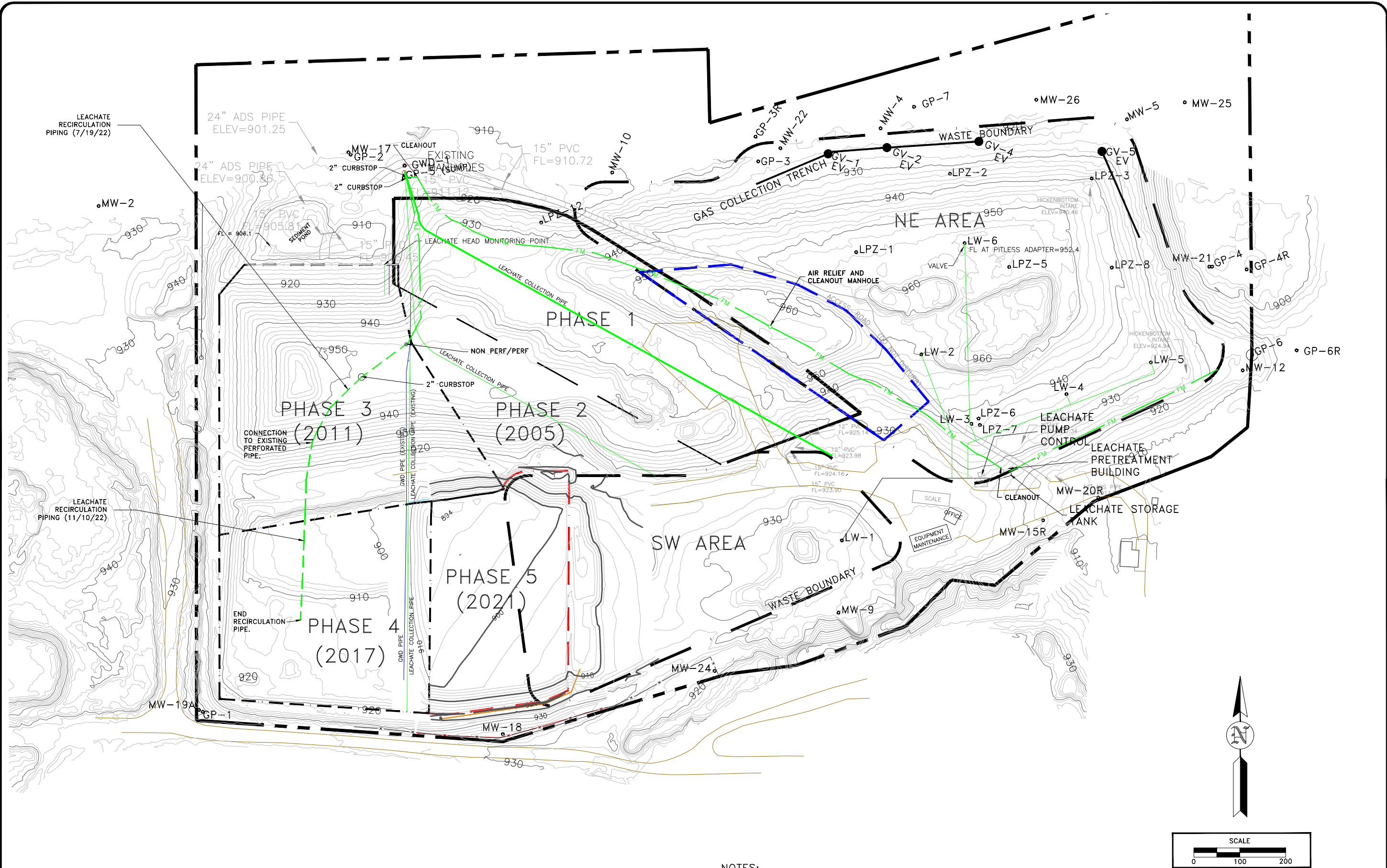
The full Appendix II sample events are highlighted in green.

Date	bis(2ethylhexyl)phthalate (ug/L)				
	MW-4	MW-5	MW-21	MW-22	
10/15/2014	<10	NT	NT	NT	
4/4/2015	NT	NT	NT	NT	
10/1/2015	NT	NT	NT	NT	
4/4/2016	NT	NT	<8	<8	
9/20/2016	10.0	10.0	NT	NT	
11/8/2016	<10	<10	NT	NT	
4/24/2017	NT	NT	NT	NT	
10/9/2017	NT	NT	NT	NT	
3/21/2018	NT	NT	NT	NT	
9/7/2018	NT	NT	NT	NT	
4/2/2019	NT	NT	NT	NT	
9/18/2019	NT	<6	NT	NT	
3/25/2020	NT	8.0	NT	NT	
9/15/2020	NT	NT	NT	NT	
3/8/2021	NT	<6	<15	<6	
9/28/2021	12.0	<6	NT	Dry	
3/8/2022	NT	<6	NT	NT	
8/30/2022	NT	NT	NT	NT	
3/7/2023	NT	NT	NT	NT	
9/11/2023	NT	NT	NT	NT	
3/20/2024	NT	NT	NT	NT	
9/12/2024	NT	9.0	NT	NT	
3/3/2025	NT	<6	NT	NT	
9/25/25	NT	NT	NT	NT	

Date	dichlorodifluoromethane (ug/L)				
	MW-4	MW-5	MW-21	MW-22	
10/15/2014	3.7	NT	NT	NT	
4/4/2015	1.1	NT	NT	NT	
10/1/2015	<1.0	NT	NT	NT	
4/4/2016	1.4	NT	1.0	<1.0	
9/20/2016	1.1	<1.0	NT	NT	
4/24/2017	1.3	NT	NT	NT	
10/9/2017	1.0	NT	NT	NT	
3/21/2018	<1.0	NT	NT	NT	
9/7/2018	<1.0	NT	NT	NT	
4/2/2019	2.6	NT	NT	NT	
9/18/2019	<1.0	<1.0	NT	NT	
3/25/2020	1.1	<1.0	NT	NT	
9/15/2020	<1.0	NT	NT	NT	
3/8/2021	<1.0	NT	<1.0	<1.0	
9/28/2021	<1.0	NT	NT	Dry	
3/8/2022	<1.0	NT	NT	NT	
8/30/2022	NT	NT	NT	NT	
3/7/2023	NT	NT	NT	NT	
9/11/2023	NT	NT	NT	NT	
3/20/2024	NT	NT	NT	NT	
9/12/2024	NT	<1.0	NT	NT	
3/3/2025	NT	NT	NT	NT	
9/25/2025	NT	NT	NT	NT	

Appendix G

Leachate Collection System Layout Map



- NOTES:
1. CONTOURS FROM DRONE SURVEY DATED JUNE 28, 2018.
 2. CONTOURS IN PHASE 5 FROM FIELD SURVEY DATED JUNE 14, 2021.

OVERALL SITE PLAN
LEACHATE COLLECTION SYSTEM
SOUTH DALLAS COUNTY SANITARY LANDFILL
ADEL, IOWA

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



FIGURE: G

REVISION	NO.	DATE
DRAWN	JGH	
PROJECT NO.	6045-21A	DATE
		2/09/23

Appendix H

Leachate Collection System Performance Evaluation Report

Appendix H.1- Volumes Pumped to Adel Wastewater Treatment Facility

Leachate Pumped to Adel
South Dallas County Sanitary Landfill
2025

Month	Gallons
January	706
February	207
March	1,047
April	71
May	1,146
June	1,056
July	1,214
August	534
September	951
October	800
November	547
December	384

TOTAL 8,663 Gallons

Appendix H.2-Leachate Treatment Agreement with City of Adel

IOWA DEPARTMENT OF NATURAL RESOURCES
National Pollutant Discharge Elimination System (NPDES) Permit

OWNER NAME & ADDRESS

CITY OF ADEL
PO BOX 248
ADEL, IA 50003-0248

FACILITY NAME & ADDRESS

ADEL CITY OF STP
600 SOUTH 4TH STREET
ADEL, IA 50003

Section 33, T79N, R27W
Dallas County

IOWA NPDES PERMIT NUMBER: 2503001
DATE OF ISSUANCE: 12/01/2022
DATE OF EXPIRATION: 11/30/2027

**YOU ARE REQUIRED TO FILE FOR RENEWAL
OF THIS PERMIT BY:** 06/03/2027
EPA NUMBER: IA0041921

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 _____

Ryan Olive
NPDES Section, Environmental Services Division

Facility Name: ADEL CITY OF STP

Permit Number: 2503001

Outfall No.: 001 DISCHARGE FROM A SEQUENCING BATCH REACTOR WASTEWATER TREATMENT FACILITY.

Receiving Stream: NORTH RACCOON RIVER

Route of Flow: NORTH RACCOON RIVER

Class A1 waters are primary contact recreational use waters in which recreational or other uses may result in prolonged and direct contact with the water, involving considerable risks of ingesting water in quantities sufficient to pose a health hazard. Such activities would include, but not be limited to, swimming, diving, water skiing, and water contact recreational canoeing.

Waters designated Class B(WW1) are those in which temperature, flow and other habitat characteristics are suitable to maintain warm water game fish populations along with a resident aquatic community that includes a variety of native nongame fish and invertebrates species. These waters generally include border rivers, large interior rivers, and the lower segments of medium-size tributary streams.

Waters designated Class HH are those in which fish are routinely harvested for human consumption or waters both designated as a drinking water supply and in which fish are routinely harvested for human consumption.

Bypasses from any portion of a treatment facility or from a sanitary sewer collection system designed to carry only sewage are prohibited.

Facility Name: ADEL CITY OF STP

Permit Number: 2503001

Effluent Limitations:

You are prohibited from discharging pollutants except in compliance with the following effluent limitations:

001 DISCHARGE FROM A SEQUENCING BATCH REACTOR WASTEWATER TREATMENT FACILITY.

Outfall: 001 Effective Dates: 12/01/2022 to 11/30/2027				
Parameter	Season	Limit Type	Limits	
CBOD5			85% Removal Required	
	Yearly	7 Day Average	40 MG/L	1,134 LBS/DAY
	Yearly	30 Day Average	25 MG/L	709 LBS/DAY
TOTAL SUSPENDED SOLIDS			85% Removal Required	
	Yearly	7 Day Average	45 MG/L	1,276 LBS/DAY
	Yearly	30 Day Average	30 MG/L	851 LBS/DAY
AMMONIA NITROGEN (N)				
	JAN	30 Day Average	17.6 MG/L	354.8 LBS/DAY
	JAN	Daily Maximum	17.6 MG/L	470.3 LBS/DAY
	FEB	30 Day Average	16.9 MG/L	407.4 LBS/DAY
	FEB	Daily Maximum	16.9 MG/L	446.3 LBS/DAY
	MAR	30 Day Average	11.3 MG/L	210.3 LBS/DAY
	MAR	Daily Maximum	17.0 MG/L	454.9 LBS/DAY
	APR	30 Day Average	8.5 MG/L	157.2 LBS/DAY
	APR	Daily Maximum	17.7 MG/L	477.9 LBS/DAY
	MAY	30 Day Average	9.7 MG/L	179.6 LBS/DAY
	MAY	Daily Maximum	17.3 MG/L	465.9 LBS/DAY
	JUN	30 Day Average	7.3 MG/L	135.4 LBS/DAY

Facility Name: ADEL CITY OF STP

Permit Number: 2503001

Outfall: 001 Effective Dates: 12/01/2022 to 11/30/2027				
Parameter	Season	Limit Type	Limits	
AMMONIA NITROGEN (N)				
	JUN	Daily Maximum	16.5 MG/L	443.7 LBS/DAY
	JUL	30 Day Average	5.6 MG/L	103.6 LBS/DAY
	JUL	Daily Maximum	19.9 MG/L	538.1 LBS/DAY
	AUG	30 Day Average	5.3 MG/L	98.3 LBS/DAY
	AUG	Daily Maximum	18.4 MG/L	497.1 LBS/DAY
	SEP	30 Day Average	5.9 MG/L	109.0 LBS/DAY
	SEP	Daily Maximum	18.5 MG/L	501.8 LBS/DAY
	OCT	30 Day Average	8.7 MG/L	161.3 LBS/DAY
	OCT	Daily Maximum	17.7 MG/L	478.0 LBS/DAY
	NOV	30 Day Average	13.1 MG/L	241.2 LBS/DAY
	NOV	Daily Maximum	16.5 MG/L	447.5 LBS/DAY
	DEC	30 Day Average	13.9 MG/L	256.6 LBS/DAY
	DEC	Daily Maximum	17.9 MG/L	485.8 LBS/DAY
NITROGEN, TOTAL KJELDAHL (AS N)				
	Yearly	30 Day Average	252 LBS/DAY	
	Yearly	Daily Maximum	413 LBS/DAY	

Facility Name: ADEL CITY OF STP

Permit Number: 2503001

Outfall: 001 Effective Dates: 12/01/2022 to 11/30/2027			
<u>Parameter</u>	<u>Season</u>	<u>Limit Type</u>	<u>Limits</u>
ACUTE TOXICITY, CERIODAPHNIA			
	Yearly	Daily Maximum	1 NO TOXICITY
ACUTE TOXICITY, PIMEPHALES			
	Yearly	Daily Maximum	1 NO TOXICITY
DISSOLVED OXYGEN			
	Yearly	Daily Minimum	1.2 MG/L
PH			
	Yearly	Daily Maximum	9.0 STD UNITS
	Yearly	Daily Minimum	6.3 STD UNITS
E. COLI			
	MAR	Geometric Mean	126 #/100 ML
	APR	Geometric Mean	126 #/100 ML
	MAY	Geometric Mean	126 #/100 ML
	JUN	Geometric Mean	126 #/100 ML
	JUL	Geometric Mean	126 #/100 ML
	AUG	Geometric Mean	126 #/100 ML
	SEP	Geometric Mean	126 #/100 ML
	OCT	Geometric Mean	126 #/100 ML
	NOV	Geometric Mean	126 #/100 ML

Facility Name: ADEL CITY OF STP

Permit Number: 2503001

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: ADEL CITY OF STP

Permit Number: 2503001

Outfall	Wastewater Parameter	Sample Frequency	Sample Type	Monitoring Location
The following monitoring requirements shall be in effect from 12/01/2022 to 11/30/2027				
001	FLOW	7/WEEK OR DAILY	24 HOUR TOTAL	RAW WASTE - TOTAL
001	FLOW	7/WEEK OR DAILY	24 HOUR TOTAL	RAW WASTE - STORM WATER BASIN RETURN
001	FLOW	7/WEEK OR DAILY	24 HOUR TOTAL	RAW WASTE - STORM WATER BASIN INFLUENT
001	FLOW	7/WEEK OR DAILY	24 HOUR TOTAL	RAW WASTE - MECHANICAL PLANT INFLUENT
001	BIOCHEMICAL OXYGEN DEMAND (BOD5)	2 TIMES PER WEEK	24 HOUR COMPOSITE	RAW WASTE
001	NITROGEN, TOTAL (AS N)	1 TIME PER WEEK	24 HOUR COMPOSITE	RAW WASTE
001	NITROGEN, TOTAL KJELDAHL (AS N)	1 EVERY MONTH	24 HOUR COMPOSITE	RAW WASTE
001	PH	2 TIMES PER WEEK	GRAB	RAW WASTE
001	PHOSPHORUS, TOTAL (AS P)	1 TIME PER WEEK	24 HOUR COMPOSITE	RAW WASTE
001	TEMPERATURE	2 TIMES PER WEEK	GRAB	RAW WASTE
001	TOTAL SUSPENDED SOLIDS	1 TIME PER WEEK	24 HOUR COMPOSITE	RAW WASTE
001	FLOW	7/WEEK OR DAILY	24 HOUR TOTAL	FINAL EFFLUENT
001	ACUTE TOXICITY, CERIODAPHNIA	1 EVERY 12 MONTHS	24 HOUR COMPOSITE	EFFLUENT AFTER DISINFECTION
001	ACUTE TOXICITY, PIMEPHALES	1 EVERY 12 MONTHS	24 HOUR COMPOSITE	EFFLUENT AFTER DISINFECTION
001	AMMONIA NITROGEN (N)	2 TIMES PER WEEK	24 HOUR COMPOSITE	EFFLUENT AFTER DISINFECTION
001	CBOD5	2 TIMES PER WEEK	24 HOUR COMPOSITE	EFFLUENT AFTER DISINFECTION
001	DISSOLVED OXYGEN	2 TIMES PER WEEK	GRAB	EFFLUENT AFTER DISINFECTION
001	E. COLI	GEO. MEAN 1/3 MONTHS	GRAB	EFFLUENT AFTER DISINFECTION
001	NITROGEN, TOTAL (AS N)	1 TIME PER WEEK	24 HOUR COMPOSITE	EFFLUENT AFTER DISINFECTION
001	NITROGEN, TOTAL KJELDAHL (AS N)	1 EVERY MONTH	24 HOUR COMPOSITE	EFFLUENT AFTER DISINFECTION
001	PH	2 TIMES PER WEEK	GRAB	EFFLUENT AFTER DISINFECTION
001	PHOSPHORUS, TOTAL (AS P)	1 TIME PER WEEK	24 HOUR COMPOSITE	EFFLUENT AFTER DISINFECTION
001	TEMPERATURE	2 TIMES PER WEEK	GRAB	EFFLUENT AFTER DISINFECTION
001	TOTAL SUSPENDED SOLIDS	1 TIME PER WEEK	24 HOUR COMPOSITE	EFFLUENT AFTER DISINFECTION

Facility Name: ADEL CITY OF STP

Permit Number: 2503001

Special Monitoring Requirements

Outfall #	Description

001	FLOW

To calculate the total raw waste flow (TOTAL RAW WASTE FLOW = MECHANICAL PLANT INFLUENT+ INFLUENT TO STORM WATER RETENTION BASIN- STORM WATER BASIN RETURN)

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.

E. COLI

The limit for E. coli specified in the limit pages of this permit is a geometric mean. The disinfection season is established in the Iowa Administrative Code, Subparagraph 567 IAC 61.3(3)“a”(1), and is in effect from March 15 to November 15. Any disinfection system (chlorine, UV light, etc.) shall be operated to comply with the limit during the entire disinfection season.

The facility must collect and analyze a minimum of five samples in one calendar month during each 3-month period from March 15 to November 15. The 3-month periods are March – May, June – August, and September – November. The collection of five samples in each 3-month period will result in a minimum of 15 samples being collected during a calendar year. For example, for the first 3-month period, the operator may choose April as the calendar month to collect the 5 individual E. coli samples to determine compliance with the limits. The operator may also choose the months of March or May as well, as long as each of the 5 samples is collected during a single calendar month. The same principle applies to the other two 3-month periods during the disinfection season. The following requirements apply to the individual samples collected in one calendar month:

Samples must be spaced over one calendar month.

No more than one sample can be collected on any one day.

There must be a minimum of two days between each sample.

No more than two samples may be collected in a period of seven consecutive days.

If the effluent has been disinfected using chlorine, ultraviolet light (UV), or any other process intended to disrupt the biological integrity of the E. coli, the samples shall be analyzed using the Most Probable Number method found in Standard Method 9223B (Colilert® or Colilert-18® made by IDEXX Laboratories, Inc.). If the effluent has not been disinfected the samples may be analyzed using either the MPN method above or EPA Method 1603: Escherichia coli (E. coli) in water by membrane filtration using modified membrane-thermotolerant E. coli agar (modified mTEC) or mColiBlue-24® made by the Hach Company.

The geometric mean must be calculated using all valid sample results collected during a month. The geometric mean formula is as follows: Geometric Mean = (Sample one * Sample two * Sample three * Sample four * Sample five...Sample N)^(1/N), which is the Nth root of the result of the multiplication of all of the sample results where N = the number of samples. If a sample result is a less than value, the value reported by the lab without the less than sign should be used in the geometric mean calculation.

Facility Name: ADEL CITY OF STP

Permit Number: 2503001

E. COLI (Continued)

The geometric mean can be calculated in one of the following ways:

Use a scientific calculator that can calculate the powers of numbers.

Enter the samples in Microsoft Excel and use the function “GEOMEAN” to perform the calculation.

Use the geometric mean calculator on the Iowa DNR webpage at:

<https://www.iowadnr.gov/Environmental-Protection/Water-Quality/NPDES-Wastewater-Permitting/NPDES-Operator-Information/Bacteria-Sampling>

Facility Name: ADEL CITY OF STP

Permit Number: 2503001

ADDITIONAL OPERATING, MONITORING AND REPORTING REQUIREMENTS

1. In addition to the monitoring requirements specified elsewhere in this permit, by **December 1, 2023** you shall sample, analyze and submit the results of at least one analysis representative of the actual discharge for oil and grease, chloride, sulfate and nitrate + nitrite nitrogen from outfall 001 (SBR treatment facility). The samples you collect and analyze must be of the final effluent collected on a day when the plant is operating normally. The results of these analyses will be evaluated and the department will reopen this permit if it is determined that there is a reasonable potential for the discharge to cause or contribute to a violation of a water quality standard for any parameter. The lab report with the analysis results must be mailed to the address shown below within two months of permit issuance.

2. In addition to the monitoring requirements specified elsewhere in this permit, by **December 1, 2023** you shall sample, analyze and submit the results for one scan of Part B of the NPDES permit application from outfall 001 (SBR treatment facility). The samples you collect and analyze must be of the final effluent collected on a day when the plant is operating normally. The results of these analyses will be evaluated and the department will reopen this permit if it is determined that there is a reasonable potential for the discharge to cause or contribute to a violation of a water quality standard for any parameter. The lab report with the analysis results must be mailed to the address shown below within two months of permit issuance.

npdes.mail@dnr.iowa.gov

Subject: Effluent Test Results (2503001)

Part B Test Results (2503001)

Facility Name: ADEL CITY OF STP

Permit Number: 2503001

Significant Industrial User Discharges:

Significant Industrial User: SOUTH DALLAS COUNTY LANDFILL AGENCY

Outfall # Outfall Description

001 LANDFILL LEACHATE IS PIPED TO THE WASTEWATER TREATMENT PLANT FOR DISPOSAL.

Significant Industrial User Effluent Limitations

You are prohibited from discharging pollutants except in compliance with the following effluent limitations:

SOUTH DALLAS COUNTY LANDFILL AGENCY			
Outfall: 001 Effective Dates: 12/01/2022 to 11/30/2027			
<u>Parameter</u>	<u>Season</u>	<u>Limit Type</u>	<u>Limit Values</u>
FLOW			
	Yearly	30 Day Average	0.020 MGD
	Yearly	DAILY MAXIMUM	0.026 MGD
BIOCHEMICAL OXYGEN DEMAND (BOD5)			
	Yearly	30 Day Average	139.0 LBS/DAY
	Yearly	DAILY MAXIMUM	216.7 LBS/DAY
TOTAL SUSPENDED SOLIDS			
	Yearly	30 Day Average	41.7 LBS/DAY
	Yearly	DAILY MAXIMUM	75.8 LBS/DAY
AMMONIA NITROGEN (N)			
	Yearly	30 Day Average	20.0 LBS/DAY
	Yearly	DAILY MAXIMUM	86.7 LBS/DAY
PH			
	Yearly	DAILY MAXIMUM	7.8 STD UNITS
	Yearly	DAILY MINIMUM	6.5 STD UNITS

Facility Name: ADEL CITY OF STP

Permit Number: 2503001

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: ADEL CITY OF STP

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SOUTH DALLAS COUNTY LANDFILL AGENCY

Outfall	Wastewater Parameter	Sample Frequency	Sample Type	Monitoring Location
001	AMMONIA NITROGEN (N)	1 EVERY MONTH	GRAB	PRIOR TO DISCHARGE TO CITY SEWER
001	BIOCHEMICAL OXYGEN DEMAND (BOD5)	1 EVERY MONTH	GRAB	PRIOR TO DISCHARGE TO CITY SEWER
001	FLOW	1 EVERY MONTH	24 HOUR TOTAL	PRIOR TO DISCHARGE TO CITY SEWER
001	PH	1 EVERY MONTH	GRAB	PRIOR TO DISCHARGE TO CITY SEWER
001	SANITARY LANDFILL LEACHATE	1 EVERY 12 MONTHS	GRAB	PRIOR TO DISCHARGE TO CITY SEWER
001	TOTAL SUSPENDED SOLIDS	1 EVERY MONTH	GRAB	PRIOR TO DISCHARGE TO CITY SEWER

Facility Name: ADEL CITY OF STP

Permit Number: 2503001

ADDITIONAL MONITORING REQUIREMENTS

SOUTH DALLAS COUNTY LANDFILL AGENCY

The permittee shall analyze a representative sample of the landfill leachate discharge from South Dallas County Landfill Agency at least annually for each of the pollutants listed below. In addition, the permittee shall monitor the volume of waste discharged and BOD5, TSS, Ammonia Nitrogen at the frequencies specified on page 12 of this permit.

Pollutant

Biochemical Oxygen Demand (BOD5)

Total Suspended Solids

Ammonia Nitrogen (NH3-N)

Oil and Grease (O&G)

pH

Chloride (as Cl)

Sulfate (as SO4)

Arsenic, Total (as As)

Chromium, Total (as Cr)

Copper, Total (as Cu)

Iron, Total (as Fe)

Lead, Total (as Pb)

Nickel, Total (as Ni)

Selenium, Total (as Se)

Zinc, Total (as Zn)

Benzoic Acid

Chlorobenzene

Ethylbenzene

p-Cresol

Phenol

Toluene

The permittee will indicate completion of the annual leachate monitoring by entering a “1” in the “LEACHAT” column on the Discharge Monitoring Report (DMR) spreadsheet on the day that the samples are collected. Select the No Discharge Indicator “NOT REQUIRED/MP” on the DMR spreadsheet during the months that the monitoring is not required.

Results of annual monitoring shall be submitted to the addresses below:

NPDES.mail@dnr.iowa.gov

Subject: Landfill Leachate Scan (2503001)

Iowa DNR Field Office 5

502 E. 9th St

Des Moines, IA 50319-0034

Facility Name: ADEL CITY OF STP

Permit Number: 2503001

Outfall Number: 001

Ceriodaphnia and Pimephales Toxicity Effluent Testing

1. For facilities that have not been required to conduct toxicity testing by a previous NPDES permit, the initial annual toxicity test shall be conducted within three (3) months of permit issuance. For facilities that have been required to conduct toxicity testing by a previous NPDES permit, the initial annual toxicity test shall be conducted within twelve months (12) of the last toxicity test.
2. The test organisms that shall be used for acute toxicity testing are Ceriodaphnia dubia and Pimephales promelas. The acute toxicity testing procedures used to demonstrate compliance with permit limits shall be those listed in 567 IAC 63.4 and 40 CFR Part 136 and adopted by reference in rule 567 IAC 63.1(1). The method for measuring acute toxicity is specified in the EPA document EPA-821-R-02-012, Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms, 5th edition, October 2002.
3. The diluted effluent sample must contain a minimum of 76.90 % effluent and no more than 23.10 % of culture water.
4. One valid positive toxicity result will require, at a minimum, quarterly testing for effluent toxicity until three successive tests are determined not to be positive.
5. Two successive valid positive toxicity results or three positive results out of five successive valid effluent toxicity tests will require a toxicity reduction evaluation to be completed to eliminate the toxicity.
6. A non-toxic test result shall be indicated as a "1" on the discharge monitoring report (DMR). A toxic test result shall be indicated as a "2" on the DMR. DNR Form 542-1381 shall also be submitted to the DNR field office along with the DMR.

Ceriodaphnia and Pimephales Toxicity Effluent Limits

The maximum limit of "1" for the parameters Acute Toxicity, Ceriodaphnia and Acute Toxicity, Pimephales means no positive toxicity results.

Definition: "Positive toxicity result" means a statistical difference of mortality rate between the control and the diluted effluent sample. For more information, see the EPA document EPA-821-R-02-012, Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms, 5th edition, October 2002.

Facility Name: ADEL CITY OF STP

Permit Number: 2503001

Design Capacity

Design: 2

The design capacity for the treatment works is specified in Construction Permit Number 2020-0362-S, issued April 24, 2020. The treatment plant is designed to treat:

- * An average dry weather (ADW) flow of 0.980 Million Gallons Per Day (MGD).
- * An average wet weather (AWW) flow of 3.400 Million Gallons Per Day (MGD).
- * A maximum wet weather (MWW) flow of 5.440 Million Gallons Per Day (MGD).
- * A design 5-day biochemical oxygen demand (BOD5) load of 1,935 lbs/day.
- * A design Total Kjeldahl Nitrogen (TKN) load of 460 lbs/day.
- * A design Total Suspended Solids (TSS) load of 6,015 lbs/day

Operator Certification Type/Grade: WW/III

Wastes in such volumes or quantities as to exceed the design capacity of the treatment works or reduce the effluent quality below that specified in the operation permit of the treatment works are considered to be a waste which interferes with the operation or performance of the treatment works and are prohibited by subrule IAC 567-62.1(7).

Facility Name: ADEL CITY OF STP

Permit Number: 2503001

SEWAGE SLUDGE HANDLING AND DISPOSAL REQUIREMENTS

"Sewage sludge" is solid, semisolid, or liquid residue generated during the treatment of domestic sewage in a treatment works. Sewage sludge does not include the grit and screenings generated during preliminary treatment.

1. The permittee shall comply with all existing Federal and State laws and regulations that apply to the use and disposal of sewage sludge and with technical standards developed pursuant to Section 405(d) of the Clean Water Act when such standards are promulgated. If an applicable numerical limit or management practice for pollutants in sewage sludge is promulgated after issuance of this permit that is more stringent than a sludge pollutant limit or management practice specified in existing Federal or State laws or regulations, this permit shall be modified, or revoked and reissued, to conform to the regulations promulgated under Section 405(d) of the Clean Water Act. The permittee shall comply with the limitation no later than the compliance deadline specified in the applicable regulations.
2. The permittee shall provide written notice to the Department of Natural Resources prior to any planned changes in sludge disposal practices.
3. Land application of sewage sludge shall be conducted in accordance with criteria established in rule IAC 567 67.1 through 67.11 (455B).

Facility Name: ADEL CITY OF STP

Permit Number: 2503001

SIGNIFICANT INDUSTRIAL USER LIMITATIONS, MONITORING AND REPORTING REQUIREMENTS

1. You must enforce the pollutant limits for each significant industrial user that are listed elsewhere in this permit. Violation of a treatment agreement limit is prohibited by subrule 567 IAC 62.1(6). Monitoring of each significant industrial user is required elsewhere in this permit.
2. Monitoring of each significant industrial user is required elsewhere in this permit. Results of the required monitoring shall be included on your discharge monitoring report, which must be submitted by the fifteenth of the following month.
3. You are required to notify the department, in writing, of any of the following:
 - (a) 180 days prior to the introduction of pollutants to your facility from a significant industrial user. A significant industrial user means an industrial user of a treatment works that:
 - (1) Discharges an average of 25,000 gallons per day or more of process wastewater excluding sanitary, noncontact cooling and boiler blowdown wastewater;
 - (2) Contributes a process waste stream which makes up five percent or more of the average dry weather hydraulic or organic capacity of the publicly-owned treatment works;
 - (3) Is subject to Categorical Pretreatment Standards under 40 CFR 403.6 and 40 CFR Chapter I, Subchapter N; or
 - (4) Is designated by the department as a significant industrial user on the basis that the contributing industry, either singly or in combination with other contributing industries, has a reasonable potential for adversely affecting the operation of or effluent quality from the publicly-owned treatment works or for violating any pretreatment standards or requirements.
 - (b) 60 days prior to a proposed expansion, production increase or process modification that may result in the discharge of a new pollutant or a discharge in excess of limitations stated in the existing treatment agreement.
 - (c) 10 days prior to any commitment by you to accept waste from any new significant industrial user. Your written notification must include a new or revised treatment agreement in accordance with rule 64.3(5)(455B).
4. You shall require all users of your facility to comply with Sections 204(b), 307, and 308 of the Clean Water Act.
 - (a) Section 204(b) requires that all users of the treatment works constructed with funds provided under Sections 201(g) or 601 of the Act to pay their proportionate share of the costs of operation, maintenance and replacement of the treatment works.
 - (b) Section 307 of the Act requires users to comply with pretreatment standards promulgated by EPA for pollutants that would cause interference with the treatment process or would pass through the treatment works.
 - (c) Section 308 of the Act requires users to allow access at reasonable times to state and EPA inspectors for the purpose of sampling the discharge and reviewing and copying records.

Facility Name: ADEL CITY OF STP

Permit Number: 2503001

Nutrient Reduction Strategy Construction Schedule

Total Nitrogen and Total Phosphorus – Outfall 001

The City of Adel shall implement the strategy for reducing total nitrogen and total phosphorus in the final effluent. Construction of improvements shall be implemented according to the following schedule:

- Complete construction of improvements by **January 1, 2023**.
- Complete 1 year of treatment plant optimization for nutrient reduction by **January 1, 2024**.
- Submit one year of at least weekly total nitrogen and total phosphorus sampling data from the raw waste and final effluent by **February 1, 2025**. The report must include the results of all monitoring for total nitrogen and total phosphorus in the raw waste and final effluent between January 1, 2024 and December 31, 2024.

Progress reports shall be submitted by the required due dates. Within fourteen (14) days following all dates of construction completion, optimization completion, and one year of monitoring, the permittee shall provide written notice of compliance with the scheduled event along with any applicable data. All written notices and progress reports shall be sent to the following addresses:

npdes.mail@dnr.iowa.gov

Subject: NRS Report (2503001)

Iowa Department of Natural Resources
Environmental Services Division
Regional Office #5
502 East 9th Street
Des Moines, IA 50319

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. If 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. If you become aware that you failed to submit any relevant facts 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 Iowa Code and 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. *{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)“b”. This permit may be modified due to conditions or information on which this permit is based, including any new standard the department may adopt that would change the required effluent limits. 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, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. *{567 IAC 64.3(11)“d”, 64.7(7)“b” and “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 in Section 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, 40 CFR 122.41(l)(6)}*
- 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), 63.14 and 63.15, 40 CFR 122.41(l)(7)}*
- 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) Provide 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.
- {567 IAC 64.7(7)“c”, 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) and 64.7(7)“d” 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. *{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 construction 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, 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. **{567 IAC 60.2}**
- (a) Prohibition. Bypasses from any portion of a treatment facility or from a sanitary sewer collection system designed to carry only sewage are prohibited, in accordance with 567 IAC 63.6(1). The department may not assess a civil penalty against a permittee for a bypass if the permittee has complied with all of the following:
 - i. The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
 - ii. 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
 - iii. The permittee submitted notices as required by 567 IAC 63.6.
 - (b) Anticipated bypass. Except for bypasses that occur as a result of mechanical failure or acts beyond the control of the owner or operator of a waste disposal system (unanticipated bypasses), the owner or operator shall obtain written permission from the department prior to any discharge of sewage or wastes from a waste disposal system not authorized by this permit. 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 expected event, in accordance with the requirements listed in 567 IAC 63.6(2).
 - (c) Unanticipated bypass. In the event that a bypass or upset occurs without prior notice having been provided pursuant to 567 IAC 63.6(2) or as a result of mechanical failure or acts beyond the control of the owner or operator, the owner or operator of the treatment facility or collection system shall notify the department by telephone as soon as possible but not later than 24 hours after the onset or discovery in accordance with the requirements in 567 IAC 63.6(3). A written submission describing the bypass shall also be provided within five days of the time the permittee becomes aware of the bypass, in accordance with the requirements in 567 IAC 63.6(3)“d”.
 - (d) Reporting. 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 (b) 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”(4).
 - (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 NOT A DEFENSE** - 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. 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.

Appendix H.3 – Leachate Testing Results



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC0333

Project Description

South Dallas Co- Leachate

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Tuesday, March 18, 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

1IC0333

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: South Dallas Co- Leachate

Project / PO Number: N/A
Received: 03/04/2025
Reported: 03/18/2025

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>
Leachate	1IC0333-01	Aqueous	GRAB		03/03/25 13:02	03/04/25 10:00



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11C0333

Analytical Testing Parameters

Client Sample ID:	Leachate	Collected By:	JGH
Sample Matrix:	Aqueous	Collection Date:	03/03/2025 13:02
Lab Sample ID:	11C0333-01		

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst

EPA 5030B/EPA 624.1

Toluene	<1.0	1.0	ug/L	1		03/11/25 0000	03/11/25 1842	CSM
Chlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/11/25 1842	CSM
Ethylbenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/11/25 1842	CSM
Surrogate: Dibromofluoromethane	101	Limit: 59-123	% Rec	1		03/11/25 0000	03/11/25 1842	CSM
Surrogate: 1,2-Dichloroethane-d4	93.4	Limit: 56-130	% Rec	1		03/11/25 0000	03/11/25 1842	CSM
Surrogate: Toluene-d8	99.0	Limit: 85-113	% Rec	1		03/11/25 0000	03/11/25 1842	CSM
Surrogate: 4-Bromofluorobenzene	95.6	Limit: 82-112	% Rec	1		03/11/25 0000	03/11/25 1842	CSM

Determination of Acid Extractable Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst

EPA 3520C/EPA 625.1

Phenol	<100	100	ug/L	10		03/10/25 1113	03/13/25 1049	EPP
(3 & 4)-Methylphenol	<100	100	ug/L	10		03/10/25 1113	03/13/25 1049	EPP
Benzoic acid	<500	500	ug/L	10		03/10/25 1113	03/13/25 1049	EPP
Surrogate: 2-Fluorophenol	54.8	Limit: 16-140	% Rec	10		03/10/25 1113	03/13/25 1049	EPP
Surrogate: Phenol-d6	51.1	Limit: 13-147	% Rec	10		03/10/25 1113	03/13/25 1049	EPP
Surrogate: 2,4,6-Tribromophenol	108	Limit: 20-158	% Rec	10		03/10/25 1113	03/13/25 1049	EPP

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst

EPA 150.1

pH	7.5	0.5	pH	1	H4		03/14/25 0819	BSS

EPA 1664A

Oil and Grease	<4	4	mg/L	1	A14	03/11/25 0917	03/12/25 0730	RDH

SM 5210 B-2016

BOD (5 day)	54	6	mg/L	3	H	03/05/25 1218	03/05/25 1626	MND

TIMBERLINE

Nitrogen, Ammonia	201	10.0	mg/L	100		03/07/25 0915	03/07/25 1238	SDF

USGS I-3765-85

Total Suspended Solids (TSS)	9	7	mg/L	7		03/06/25 0649	03/06/25 1057	MSP

Determination of Inorganic Anions	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst

300.0

Chloride	650	50.0	mg/L	50			03/13/25 1257	MID
Sulfate	44.5	10.0	mg/L	10		03/13/25 1257	03/13/25 1918	MID

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst

200.7

Iron, total	4.63	0.100	mg/L	1		03/10/25 0720	03/11/25 2132	JAR

EPA 200.8, Rv. 5.4 (1994)

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CERTIFICATE OF ANALYSIS

1IC0333

Client Sample ID:	Leachate	Collected By:	JGH
Sample Matrix:	Aqueous	Collection Date:	03/03/2025 13:02
Lab Sample ID:	1IC0333-01		

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Arsenic, total	0.0365	0.0020	mg/L	4		03/06/25 0825	03/07/25 0015	RVV
Chromium, total	0.0461	0.0020	mg/L	4		03/06/25 0825	03/07/25 0015	RVV
Copper, total	<0.0020	0.0020	mg/L	4		03/06/25 0825	03/07/25 0015	RVV
Lead, total	<0.0008	0.0008	mg/L	4		03/06/25 0825	03/07/25 0015	RVV
Nickel, total	0.0227	0.0040	mg/L	4		03/06/25 0825	03/07/25 0015	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/06/25 0825	03/07/25 0015	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/06/25 0825	03/07/25 0015	RVV

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CERTIFICATE OF ANALYSIS

1IC0333

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
SM 5210 B-2016	1IC0202	1IC0202-BLK1	
		1IC0202-SRM1	
		1IC0202-DUP2	1IC0284-01
		1IC0333-01	Leachate
Method	Batch	Laboratory ID	Client / Source ID
USGS I-3765-85	1IC0219	1IC0219-BS1	
		1IC0333-01	Leachate
		1IC0219-BLK1	
		1IC0219-DUP1	1IC0284-01
Method	Batch	Laboratory ID	Client / Source ID
EPA 200.8, Rv. 5.4 (1994)	1IC0228	1IC0228-BLK1	
		1IC0228-BS1	
		1IC0228-MS1	1IC0246-04
		1IC0228-MSD1	1IC0246-04
		1IC0228-PS1	1IC0246-04
		1IC0333-01	Leachate
Method	Batch	Laboratory ID	Client / Source ID
TIMBERLINE	1IC0312	1IC0312-BLK1	
		1IC0312-BS1	
		1IC0312-MS1	2IC0016-01
		1IC0312-MSD1	2IC0016-01
		1IC0333-01	Leachate
Method	Batch	Laboratory ID	Client / Source ID
200.7	1IC0348	1IC0348-BLK1	
		1IC0348-BS1	
		1IC0348-MS1	1IC0306-01
		1IC0348-MSD1	1IC0306-01
		1IC0348-PS1	1IC0306-01
		1IC0333-01	Leachate
Method	Batch	Laboratory ID	Client / Source ID
EPA 625.1	1IC0384	1IC0384-BLK1	
		1IC0384-BS1	
		1IC0384-BSD1	
		1IC0384-SRM1	
		1IC0333-01	Leachate



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CERTIFICATE OF ANALYSIS

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Method	Batch	Laboratory ID	Client / Source ID
EPA 1664A	1IC0440	1IC0440-BS1	Leachate
		1IC0440-BSD1	
		1IC0333-01	
		1IC0440-BLK1	
Method	Batch	Laboratory ID	Client / Source ID
EPA 624.1	1IC0539	1IC0539-BS1	Leachate
		1IC0539-BSD1	
		1IC0539-BLK1	
		1IC0333-01	11C0459-01
		1IC0539-MS1	11C0459-01
		1IC0539-MSD1	11C0459-01
Method	Batch	Laboratory ID	Client / Source ID
EPA 150.1	1IC0691	1IC0691-SRM2	Leachate
		1IC0691-SRM1	
		1IC0333-01	11C0368-01
		1IC0691-DUP1	11C0368-01
Method	Batch	Laboratory ID	Client / Source ID
300.0	1IC0729	1IC0729-BLK1	11C0556-01
		1IC0729-MRL1	
		1IC0729-BS1	
		1IC0729-BSD1	11C0556-01
		1IC0729-MS1	11C0556-01
		1IC0729-MSD1	Leachate
		1IC0333-01	Leachate
		1IC0729-BLK2	Leachate
		1IC0333-01	

Batch Quality Control Summary: Microbac Laboratories, Inc., Newton

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0539 - EPA 5030B - EPA 624.1										
Blank (1IC0539-BLK1)				Prepared: 03/11/25 00:00 Analyzed: 03/11/25 14:17						
Toluene	<1.0	1.0	ug/L							
Chlorobenzene	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Surrogate: Dibromofluoromethane	47.0		ug/L	50.2		93.8	59-123			
Surrogate: 1,2-Dichloroethane-d4	40.8		ug/L	50.1		81.4	56-130			
Surrogate: Toluene-d8	48.8		ug/L	50.4		96.9	85-113			
Surrogate: 4-Bromofluorobenzene	47.0		ug/L	50.1		93.7	82-112			

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CERTIFICATE OF ANALYSIS

1IC0333

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0539 - EPA 5030B - EPA 624.1										
LCS (1IC0539-BS1) Prepared: 03/11/25 00:00 Analyzed: 03/11/25 13:10										
Toluene	29.78	1.0	ug/L	30.0		99.3	70-130			
Chlorobenzene	28.49	1.0	ug/L	30.0		95.0	65-135			
Ethylbenzene	28.62	1.0	ug/L	30.0		95.4	60-140			
Surrogate: Dibromofluoromethane	52.3		ug/L	50.2		104	59-123			
Surrogate: 1,2-Dichloroethane-d4	46.6		ug/L	50.1		93.0	56-130			
Surrogate: Toluene-d8	50.3		ug/L	50.4		99.8	85-113			
Surrogate: 4-Bromofluorobenzene	50.0		ug/L	50.1		99.7	82-112			
LCS Dup (1IC0539-BSD1) Prepared: 03/11/25 00:00 Analyzed: 03/11/25 13:32										
Toluene	29.15	1.0	ug/L	30.0		97.2	70-130	2.14	17	
Chlorobenzene	27.93	1.0	ug/L	30.0		93.1	65-135	1.99	18	
Ethylbenzene	28.24	1.0	ug/L	30.0		94.1	60-140	1.34	17	
Surrogate: Dibromofluoromethane	52.5		ug/L	50.2		105	59-123			
Surrogate: 1,2-Dichloroethane-d4	47.3		ug/L	50.1		94.4	56-130			
Surrogate: Toluene-d8	50.8		ug/L	50.4		101	85-113			
Surrogate: 4-Bromofluorobenzene	49.8		ug/L	50.1		99.3	82-112			
Matrix Spike (1IC0539-MS1) Source: 1IC0459-01 Prepared: 03/11/25 00:00 Analyzed: 03/11/25 19:05										
Toluene	335.8	10.0	ug/L	300	ND	112	47-150			
Chlorobenzene	295.0	10.0	ug/L	300	ND	98.3	37-160			
Ethylbenzene	303.4	10.0	ug/L	300	ND	101	79-119			
Surrogate: Dibromofluoromethane	558		ug/L	502		111	59-123			
Surrogate: 1,2-Dichloroethane-d4	512		ug/L	501		102	56-130			
Surrogate: Toluene-d8	562		ug/L	504		112	85-113			
Surrogate: 4-Bromofluorobenzene	512		ug/L	501		102	82-112			
Matrix Spike Dup (1IC0539-MSD1) Source: 1IC0459-01 Prepared: 03/11/25 00:00 Analyzed: 03/11/25 19:27										
Toluene	275.3	10.0	ug/L	300	ND	91.8	47-150	19.8	41	
Chlorobenzene	260.9	10.0	ug/L	300	ND	87.0	37-160	12.3	53	
Ethylbenzene	266.9	10.0	ug/L	300	ND	89.0	79-119	12.8	63	
Surrogate: Dibromofluoromethane	553		ug/L	502		110	59-123			
Surrogate: 1,2-Dichloroethane-d4	504		ug/L	501		101	56-130			
Surrogate: Toluene-d8	508		ug/L	504		101	85-113			
Surrogate: 4-Bromofluorobenzene	495		ug/L	501		98.8	82-112			
Determination of Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0384 - 3520C B/N Cont Liq - EPA 625.1										
Blank (1IC0384-BLK1) Prepared: 03/10/25 11:13 Analyzed: 03/12/25 14:50										
Phenol	<10	10	ug/L							
(3 & 4)-Methylphenol	<10	10	ug/L							
Benzoic acid	<50	50	ug/L							



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CERTIFICATE OF ANALYSIS

1IC0333

Determination of Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0384 - 3520C B/N Cont Liq - EPA 625.1										
Blank (1IC0384-BLK1)				Prepared: 03/10/25 11:13 Analyzed: 03/12/25 14:50						
Surrogate: 2-Fluorophenol	19.0		ug/L	20.6		92.4	16-140			
Surrogate: Phenol-d6	18.2		ug/L	19.6		93.0	13-147			
Surrogate: 2,4,6-Tribromophenol	23.2		ug/L	20.0		116	20-158			
LCS (1IC0384-BS1)				Prepared: 03/10/25 11:13 Analyzed: 03/12/25 15:14						
alpha-Terpineol	<10	10	ug/L	10.0		84.7	30-114			
Phenol	<10	10	ug/L	10.0		89.8	18-128			
(3 & 4)-Methylphenol	<10	10	ug/L	10.0		91.7	37-114			
Surrogate: 2-Fluorophenol	19.3		ug/L	20.6		93.4	16-140			
Surrogate: Phenol-d6	18.9		ug/L	19.6		96.5	13-147			
Surrogate: 2,4,6-Tribromophenol	23.7		ug/L	20.0		118	20-158			
LCS Dup (1IC0384-BSD1)				Prepared: 03/10/25 11:13 Analyzed: 03/12/25 15:39						
alpha-Terpineol	<10	10	ug/L	10.0		68.5	30-114	21.1	30	
Phenol	<10	10	ug/L	10.0		73.9	18-128	19.4	30	
(3 & 4)-Methylphenol	<10	10	ug/L	10.0		75.3	37-114	19.6	28	
Surrogate: 2-Fluorophenol	16.3		ug/L	20.6		78.8	16-140			
Surrogate: Phenol-d6	15.7		ug/L	19.6		80.2	13-147			
Surrogate: 2,4,6-Tribromophenol	22.7		ug/L	20.0		113	20-158			
Reference (1IC0384-SRM1)				Prepared: 03/10/25 11:13 Analyzed: 03/12/25 16:03						
alpha-Terpineol	<10	10	ug/L	10.0		89.9	80-120			
Phenol	<10	10	ug/L	10.0		97.6	80-120			
(3 & 4)-Methylphenol	<10	10	ug/L	10.0		97.0	80-120			
Surrogate: 2-Fluorophenol	22.7		ug/L	20.6		110	16-140			
Surrogate: Phenol-d6	20.7		ug/L	19.6		106	13-147			
Surrogate: 2,4,6-Tribromophenol	24.7		ug/L	20.0		123	20-158			
Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0202 - General Prep Micro - SM 5210 B-2016										
Blank (1IC0202-BLK1)				Prepared: 03/05/25 12:18 Analyzed: 03/05/25 14:52						
BOD (5 day)	<2	2	mg/L							AC, K1
Duplicate (1IC0202-DUP2)				Source: 1IC0284-01 Prepared: 03/05/25 12:18 Analyzed: 03/05/25 16:12						
BOD (5 day)	71.0	24	mg/L		80.5			12.5	30	
Reference (1IC0202-SRM1)				Prepared: 03/05/25 12:18 Analyzed: 03/05/25 15:07						
BOD (5 day)	204	100	mg/L	198		103	84.6-115.4			
Batch 1IC0219 - Wet Chem Preparation - USGS I-3765-85										
Blank (1IC0219-BLK1)				Prepared: 03/06/25 06:49 Analyzed: 03/06/25 10:57						



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CERTIFICATE OF ANALYSIS

1IC0333

Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0219 - Wet Chem Preparation - USGS I-3765-85										
Blank (1IC0219-BLK1)	Prepared: 03/06/25 06:49 Analyzed: 03/06/25 10:57									
Total Suspended Solids (TSS)	<1	1	mg/L							
LCS (1IC0219-BS1)	Prepared: 03/06/25 06:49 Analyzed: 03/06/25 10:57									
Total Suspended Solids (TSS)	14.6	1	mg/L	15.0		97.3	71-110			
Duplicate (1IC0219-DUP1)	Source: 1IC0284-01 Prepared: 03/06/25 06:49 Analyzed: 03/06/25 10:57									
Total Suspended Solids (TSS)	61.0	10	mg/L		43.0			34.6	30	R1
Batch 1IC0312 - General Prep HPLC/IC - TIMBERLINE										
Blank (1IC0312-BLK1)	Prepared: 03/07/25 09:15 Analyzed: 03/07/25 10:49									
Nitrogen, Ammonia	<0.10	0.10	mg/L							
LCS (1IC0312-BS1)	Prepared: 03/07/25 09:15 Analyzed: 03/07/25 10:51									
Nitrogen, Ammonia	5.11	0.10	mg/L	5.00		102	90-114			
Matrix Spike (1IC0312-MS1)	Source: 2IC0016-01 Prepared: 03/07/25 09:15 Analyzed: 03/07/25 12:30									
Nitrogen, Ammonia	67.7	1.00	mg/L	50.0	25.5	84.4	84-115			
Matrix Spike Dup (1IC0312-MSD1)	Source: 2IC0016-01 Prepared: 03/07/25 09:15 Analyzed: 03/07/25 12:33									
Nitrogen, Ammonia	64.3	1.00	mg/L	50.0	25.5	77.6	84-115	5.16	20	M6
Batch 1IC0440 - Wet Chem Preparation - EPA 1664A										
Blank (1IC0440-BLK1)	Prepared: 03/11/25 09:17 Analyzed: 03/12/25 07:30									
Oil and Grease	<4	4	mg/L							
LCS (1IC0440-BS1)	Prepared: 03/11/25 09:17 Analyzed: 03/12/25 07:30									
Oil and Grease	37.0	4	mg/L	40.0		92.5	78-114			
LCS Dup (1IC0440-BSD1)	Prepared: 03/11/25 09:17 Analyzed: 03/12/25 07:30									
Oil and Grease	36.1	4	mg/L	40.0		90.2	78-114	2.46	18	
Batch 1IC0691 - Wet Chem Preparation - EPA 150.1										
Duplicate (1IC0691-DUP1)	Source: 1IC0368-01 Prepared & Analyzed: 03/14/25 08:19									
pH	7.3	0.5	pH		7.3			0.0274	10	
Reference (1IC0691-SRM1)	Prepared & Analyzed: 03/14/25 08:19									
pH	7.0	0.5	pH	7.00		99.9	98.6-101.4			
Reference (1IC0691-SRM2)	Prepared & Analyzed: 03/14/25 08:19									
pH	7.1	0.5	pH	7.00		101	98.6-101.4			
Determination of Inorganic Anions	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0729 - General Prep HPLC/IC - 300.0										
Blank (1IC0729-BLK1)	Prepared & Analyzed: 03/13/25 10:13									



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1IC0333

Determination of Inorganic Anions	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0729 - General Prep HPLC/IC - 300.0										
Blank (1IC0729-BLK1)				Prepared & Analyzed: 03/13/25 10:13						
Chloride	<1.0	1.0	mg/L							
Sulfate	<1.0	1.0	mg/L							
Blank (1IC0729-BLK2)				Prepared & Analyzed: 03/13/25 15:40						
Chloride	<1.0	1.0	mg/L							
Sulfate	<1.0	1.0	mg/L							
LCS (1IC0729-BS1)				Prepared & Analyzed: 03/13/25 10:50						
Chloride	14.38	1.0	mg/L	15.4		93.5	90-110			
Sulfate	33.80	1.0	mg/L	33.9		99.8	90-110			
LCS Dup (1IC0729-BSD1)				Prepared & Analyzed: 03/13/25 11:08						
Chloride	14.46	1.0	mg/L	15.4		94.1	90-110	0.590	10	
Sulfate	33.37	1.0	mg/L	33.9		98.5	90-110	1.26	10	
Matrix Spike (1IC0729-MS1)				Source: 1IC0556-01 Prepared & Analyzed: 03/13/25 12:02						
Chloride	236.7	10.0	mg/L	154	78.49	103	80-120			
Sulfate	441.1	10.0	mg/L	339	65.45	111	80-120			
Matrix Spike Dup (1IC0729-MSD1)				Source: 1IC0556-01 Prepared & Analyzed: 03/13/25 12:20						
Chloride	238.0	10.0	mg/L	154	78.49	104	80-120	0.543	10	
Sulfate	436.8	10.0	mg/L	339	65.45	110	80-120	0.973	10	
Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0228 - EPA 200.2 Total ICP-MS - EPA 200.8, Rv. 5.4 (1994)										
Blank (1IC0228-BLK1)				Prepared: 03/06/25 08:25 Analyzed: 03/06/25 21:12						
Arsenic, total	<0.0020	0.0020	mg/L							
Chromium, total	<0.0020	0.0020	mg/L							
Copper, total	<0.0020	0.0020	mg/L							
Lead, total	<0.0008	0.0008	mg/L							
Nickel, total	<0.0040	0.0040	mg/L							
Selenium, total	<0.0040	0.0040	mg/L							
Zinc, total	<0.0200	0.0200	mg/L							
LCS (1IC0228-BS1)				Prepared: 03/06/25 08:25 Analyzed: 03/06/25 21:18						
Arsenic, total	0.187	0.0020	mg/L	0.200		93.5	85-115			
Chromium, total	0.193	0.0020	mg/L	0.200		96.5	85-115			
Copper, total	0.199	0.0020	mg/L	0.200		99.3	85-115			
Lead, total	0.197	0.0008	mg/L	0.200		98.4	85-115			
Nickel, total	0.200	0.0040	mg/L	0.200		100	85-115			
Selenium, total	0.182	0.0040	mg/L	0.200		91.1	85-115			
Zinc, total	0.190	0.0200	mg/L	0.200		95.1	85-115			
Matrix Spike (1IC0228-MS1)				Source: 1IC0246-04 Prepared: 03/06/25 08:25 Analyzed: 03/06/25 21:48						
Arsenic, total	0.190	0.0020	mg/L	0.200	0.0011	94.7	70-130			
Chromium, total	0.185	0.0020	mg/L	0.200	0.0008	92.3	70-130			

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Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0228 - EPA 200.2 Total ICP-MS - EPA 200.8, Rv. 5.4 (1994)										
Matrix Spike (1IC0228-MS1)	Source: 1IC0246-04			Prepared: 03/06/25 08:25 Analyzed: 03/06/25 21:48						
Copper, total	0.204	0.0020	mg/L	0.200	0.0166	93.6	70-130			
Lead, total	0.189	0.0008	mg/L	0.200	ND	94.4	70-130			
Nickel, total	0.199	0.0040	mg/L	0.200	0.0017	98.4	70-130			
Selenium, total	0.187	0.0040	mg/L	0.200	ND	93.4	70-130			
Zinc, total	0.222	0.0200	mg/L	0.200	0.0388	91.8	70-130			
Matrix Spike Dup (1IC0228-MSD1)	Source: 1IC0246-04			Prepared: 03/06/25 08:25 Analyzed: 03/06/25 21:54						
Arsenic, total	0.190	0.0020	mg/L	0.200	0.0011	94.5	70-130	0.228	20	
Chromium, total	0.186	0.0020	mg/L	0.200	0.0008	92.8	70-130	0.531	20	
Copper, total	0.207	0.0020	mg/L	0.200	0.0166	95.3	70-130	1.62	20	
Lead, total	0.188	0.0008	mg/L	0.200	ND	93.8	70-130	0.552	20	
Nickel, total	0.199	0.0040	mg/L	0.200	0.0017	98.8	70-130	0.413	20	
Selenium, total	0.183	0.0040	mg/L	0.200	ND	91.6	70-130	1.95	20	
Zinc, total	0.222	0.0200	mg/L	0.200	0.0388	91.5	70-130	0.332	20	
Post Spike (1IC0228-PS1)	Source: 1IC0246-04			Prepared: 03/06/25 08:25 Analyzed: 03/06/25 22:01						
Arsenic, total	0.0776		mg/L	0.0800	0.0010	95.7	70-130			
Chromium, total	0.0770		mg/L	0.0800	0.0008	95.3	70-130			
Copper, total	0.0924		mg/L	0.0800	0.0162	95.3	70-130			
Lead, total	0.0767		mg/L	0.0800	0.0003	95.5	70-130			
Nickel, total	0.0811		mg/L	0.0800	0.0017	99.2	70-130			
Selenium, total	0.0736		mg/L	0.0800	0.0010	90.7	70-130			
Zinc, total	0.110		mg/L	0.0800	0.0381	90.2	70-130			
Batch 1IC0348 - EPA 200.2 Total ICP-OES (200.7) - 200.7										
Blank (1IC0348-BLK1)	Prepared: 03/10/25 07:20 Analyzed: 03/11/25 20:03									
Iron, total	<0.100	0.100	mg/L							
LCS (1IC0348-BS1)	Prepared: 03/10/25 07:20 Analyzed: 03/11/25 20:08									
Iron, total	2.27	0.100	mg/L	2.20		103	85-115			
Matrix Spike (1IC0348-MS1)	Source: 1IC0306-01			Prepared: 03/10/25 07:20 Analyzed: 03/11/25 20:23						
Iron, total	2.33	0.100	mg/L	2.20	0.153	98.8	70-130			
Matrix Spike Dup (1IC0348-MSD1)	Source: 1IC0306-01			Prepared: 03/10/25 07:20 Analyzed: 03/11/25 20:35						
Iron, total	2.37	0.100	mg/L	2.20	0.153	101	70-130	1.95	20	
Post Spike (1IC0348-PS1)	Source: 1IC0306-01			Prepared: 03/10/25 07:20 Analyzed: 03/11/25 20:44						
Iron, total	9.11		mg/L	8.80	0.153	102	85-115			

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1IC0333

Definitions

A14: Sample was preserved with Hydrochloric Acid to pH <2 on receipt.
AC: BOD blank = 0.56mg/L
H: Sample was analyzed past holding time.
H4: The test was performed outside of the EPA recommended holding time of 15 minutes.
K1: Unseeded dilution blank depletion exceeds 0.2 mg/L.
M6: Matrix spike recovery is outside of acceptance limits. The analyte concentration is greater than 4X the spiking level.
R1: Duplicate RPD is outside acceptance criteria.
RL: Reporting Limit
RPD: Relative Percent Difference

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 0.0°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
03/18/25 16:03



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

CHAIN OF CUSTODY



HLW Engineering
PM: Heather Murphy

Page 1 of 1
26/2025 1:53:54P
eystonelabs.com

SITE INFORMATION

Sampler: JGH
Project: South Dallas Co-Leachate

REPORT TO

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

Mike Fountas
South Dallas County Landfill
2000 Main Street, PO Box 263
Adel, IA 50003

SPECIAL INSTRUCTIONS

None

Turn Around Time

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

LAB USE ONLY

Work Order 4 ± C 0333

Temperature 0.0/0.0

Turn-Cooler: -

☒ Custody Seal
☒ Containers Intact
☒ COC/Labels Agree
☒ Preservation Confirmed
☒ Received on Ice

Number Sample Identification / Client ID

Sample Type

Date

Time

Number of Containers

Analyses

Lab Sample Number

-001	Leachate	Aqueous	GRAB	<u>3/3/25</u>	<u>13:02</u>	<u>2</u>	624@chlorobenzene 624@toluene 625-900 bod-5210 cr-t-200.8 fe-l-200.7 ni-l-200.8 pb-l-200.8 se-t-200.8 lss-l-3765-85	624@ethylbenzene 624-base-analyses as-t-200.8 cl-300.0 cu-t-200.8 og-l-1664 ni3-turbidity pl-150.1 sd-300.0 zu-l-200.8	<u>1</u>

Relinquished By JGH Date/Time 3/4/25

Relinquished By Heather Murphy Date/Time 1000

Received By _____ Date/Time _____

Received for Lab By _____ Date/Time _____

Original - Lab Copy Yellow - Sampler Copy

Remarks:

Appendix H.4 – Leachate Recirculation Volumes

Leachate Recirculation
South Dallas County Sanitary Landfill
2025

JANUARY					FEBRUARY					MARCH					APRIL					MAY					JUNE					JULY					AUGUST					SEPTEMBER					OCTOBER					NOVEMBER					DECEMBER						
Date	Pump Hours	Pump Gallons	Tank Loads	Tank Gallons	Date	Pump Hours	Pump Gallons	Tank Loads	Tank Gallons	Date	Pump Hours	Pump Gallons	Tank Loads	Tank Gallons	Date	Pump Hours	Pump Gallons	Tank Loads	Tank Gallons	Date	Pump Hours	Pump Gallons	Tank Loads	Tank Gallons	Date	Pump Hours	Pump Gallons	Tank Loads	Tank Gallons	Date	Pump Hours	Pump Gallons	Tank Loads	Tank Gallons	Date	Pump Hours	Pump Gallons	Tank Loads	Tank Gallons	Date	Pump Hours	Pump Gallons	Tank Loads	Tank Gallons																	
1/1/2025	-	-	-	-	2/1/2025	-	-	-	-	3/1/2025	-	-	-	-	4/1/2025	-	-	-	-	5/1/2025	-	-	-	-	6/1/2025	-	-	-	-	7/1/2025	-	-	-	-	8/1/2025	-	-	-	-	9/1/2025	-	-	-	-	10/1/2025	-	-	-	-	11/1/2025	-	-	-	-	12/1/2025	-	-	-	-	1	2,000
1/2/2025	3	2,700	-	-	2/2/2025	-	-	-	-	3/2/2025	-	-	-	-	4/2/2025	-	-	-	-	5/2/2025	-	-	-	-	6/2/2025	-	-	-	-	7/2/2025	-	-	-	-	8/2/2025	-	-	-	-	9/2/2025	-	-	-	-	10/2/2025	-	-	-	-	11/2/2025	-	-	-	-	2	4,000					
1/3/2025	2	1,800	-	-	2/3/2025	3	2,700	-	-	3/3/2025	2	1,800	-	-	4/3/2025	3	2,700	-	-	5/3/2025	-	-	-	-	6/3/2025	-	-	-	-	7/3/2025	-	-	-	-	8/3/2025	-	-	-	-	9/3/2025	-	-	-	-	10/3/2025	-	-	-	-	3	6,000										
1/4/2025	-	-	-	-	2/4/2025	4	3,600	-	-	3/4/2025	-	-	-	-	4/4/2025	-	-	-	-	5/4/2025	-	-	-	-	6/4/2025	-	-	-	-	7/4/2025	-	-	-	-	8/4/2025	-	-	-	-	9/4/2025	-	-	-	-	10/4/2025	-	-	-	-	5	10,000										
1/5/2025	-	-	-	-	2/5/2025	4	3,600	-	-	3/5/2025	2	1,800	-	-	4/5/2025	-	-	-	-	5/5/2025	-	-	-	-	6/5/2025	-	-	-	-	7/5/2025	-	-	-	-	8/5/2025	-	-	-	-	9/5/2025	-	-	-	-	10/5/2025	-	-	-	-	3	6,000										
1/6/2025	2	1,800	-	-	2/6/2025	3	2,700	3	6,000	3/6/2025	1	900	-	-	4/6/2025	-	-	-	-	5/6/2025	-	-	-	-	6/6/2025	-	-	-	-	7/6/2025	-	-	-	-	8/6/2025	-	-	-	-	9/6/2025	-	-	-	-	10/6/2025	-	-	-	-	3	6,000										
1/7/2025	-	-	4	8,000	2/7/2025	-	-	-	3	6,000	3/7/2025	3	2,700	-	-	4/7/2025	-	-	-	-	5/7/2025	-	-	-	-	6/7/2025	-	-	-	-	7/7/2025	-	-	-	-	8/7/2025	3	2,700	-	-	9/7/2025	-	-	-	-	10/7/2025	-	-	-	-	5	10,000									
1/8/2025	-	-	3	6,000	2/8/2025	-	-	-	-	3/8/2025	-	-	-	-	4/8/2025	-	-	-	-	5/8/2025	-	-	-	-	6/8/2025	-	-	-	-	7/8/2025	-	-	-	-	8/8/2025	-	-	-	-	9/8/2025	-	-	-	-	10/8/2025	-	-	-	-	4	8,000										
1/9/2025	1	900	-	-	2/9/2025	-	-	-	-	3/9/2025	-	-	-	-	4/9/2025	-	-	-	-	5/9/2025	-	-	-	-	6/9/2025	-	-	-	-	7/9/2025	-	-	-	-	8/9/2025	-	-	-	-	9/9/2025	-	-	-	-	2	4,000															
1/10/2025	-	-	2	4,000	2/10/2025	-	-	2	4,000	3/10/2025	-	-	-	4	8,000	4/10/2025	-	-	-	-	5/10/2025	-	-	-	-	6/10/2025	-	-	-	-	7/10/2025	-	-	-	-	8/10/2025	-	-	-	-	9/10/2025	-	-	-	-	2	4,000														
1/11/2025	-	-	-	-	2/11/2025	-	-	3	6,000	3/11/2025	-	-	-	3	6,000	4/11/2025	-	-	-	-	5/11/2025	-	-	-	-	6/11/2025	-	-	-	-	7/11/2025	-	-	-	-	8/11/2025	-	-	-	-	9/11/2025	-	-	-	-	1	2,000														
1/12/2025	-	-	-	-	2/12/2025	-	-	4	8,000	3/12/2025	-	-	-	4	8,000	4/12/2025	-	-	-	-	5/12/2025	-	-	-	-	6/12/2025	-	-	-	-	7/12/2025	-	-	-	-	8/12/2025	-	-	-	-	9/12/2025	-	-	-	-	4	8,000														
1/13/2025	2	1,800	-	-	2/13/2025	-	-	3	6,000	3/13/2025	-	-	5	10,000	4/13/2025	-	-	-	-	5/13/2025	-	-	-	-	6/13/2025	-	-	-	-	7/13/2025	-	-	-	-	8/13/2025	-	-	-	-	9/13/2025	-	-	-	-	5	10,000															
1/14/2025	-	-	3	6,000	2/14/2025	-	-	2	4,000	3/14/2025	-	-	-	-	4/14/2025	-	-	-	-	5/14/2025	-	-	-	-	6/14/2025	-	-	-	-	7/14/2025	-	-	-	-	8/14/2025	-	-	-	-	9/14/2025	-	-	-	-	5	10,000															
1/15/2025	-	-	1	2,000	2/15/2025	-	-	-	-	3/15/2025	-	-	-	-	4/15/2025	-	-	-	-	5/15/2025	-	-	-	-	6/15/2025	-	-	-	-	7/15/2025	-	-	-	-	8/15/2025	-	-	-	-	9/15/2025	-	-	-	-	6	12,000															
1/16/2025	-	-	4	8,000	2/16/2025	-	-	-	-	3/16/2025	-	-	5	10,000	4/16/2025	-	-	-	-	5/16/2025	-	-	-	-	6/16/2025	-	-	-	-	7/16/2025	-	-	-	-	8/16/2025	-	-	-	-	9/16/2025	-	-	-	-	1	2,000															
1/17/2025	-	-	3	6,000	2/17/2025	4	3,600	-	-	3/17/2025	-	-	3	6,000	4/17/2025	-	-	-	-	5/17/2025	-	-	-	-	6/17/2025	-	-	-	-	7/17/2025	-	-	-	-	8/17/2025	-	-	-	-	9/17/2025	-	-	-	-	3	6,000															
1/18/2025	-	-	-	-	2/18/2025	3	2,700	-	-	3/18/2025	-	-	2	4,000	4/18/2025	-	-	-	-	5/18/2025	-	-	-	-	6/18/2025	-	-	-	-	7/18/2025	-	-	-	-	8/18/2025	-	-	-	-	9/18/2025	-	-	-	-	2	1,800															
1/19/2025	-	-	-	-	2/19/2025	2	1,800	-	-	3/19/2025	-	-	2	1,800	4/19/2025	-	-	-	-	5/19/2025	-	-	-	-	6/19/2025	-	-	-	-	7/19/2025	-	-	-	-	8/19/2025	-	-	-	-	9/19/2025	-	-	-	-	5	10,000															
1/20/2025	1	900	1	2,000	2/20/2025	3	2,700	-	-	3/20/2025	-	-	2	1,800	4/20/2025	-	-	-	-	5/20/2025	-	-	-	-	6/20/2025	-	-	-	-	7/20/2025	-	-	-	-	8/20/2025	-	-	-	-	9/20/2025	-	-	-	-	5	10,000															
1/21/2025	3	2,700	-	-	2/21/2025	3	2,700	-	-	3/21/2025	-	-	2	1,800	4/21/2025	-	-	-	-	5/21/2025	-	-	-	-	6/21/2025	-	-	-	-	7/21/2025	3	2,700	-	-	8/21/2025	-	-	-	-	9/21/2025	-	-	-	-	6	12,000															
1/22/2025	-	-	2	4,000	2/22/2025	-	-	-	-	3/22/2025	-	-	-	-	4/22/2025	-	-	-	-	5/22/2025	-	-	-	-	6/22/2025	-	-	-	-	7/22/2025	-	-	-	-	8/22/2025	-	-	-	-	9/22/2025	-	-	-	-	5	10,000															
1/23/2025	4	3,600	-	-	2/23/2025	-	-	-	-	3/23/2025	-	-	-	-	4/23/2025	-	-	-	-	5/23/2025	-	-	-	-	6/23/2025	-	-	-	-	7/23/2025	1	900	-	-	8/23/2025	-	-	-	-	9/23/2025	-	-	-	-	1	2,000															
1/24/2025	3	2,700	-	-	2/24/2025	-	-	2	4,000	3/24/2025	-	-	4	8,000	4/24/2025	-	-	-	-	5/24/2025	-	-	-	-	6/24/2025	-	-	-	-	7/24/2025	3	2,700	-	-	8/24/2025	-	-	-	-	9/24/2025	-	-	-	-	1	2,000															
1/25/2025	-	-	-	-	2/25/2025	-	-	3	6,000	3/25/2025	-	-	3	6,000	4/25/2025	-	-	-	-	5/25/2025	-	-	-	-	6/25/2025	-	-	-	-	7/25/2025	-	-	-	-	8/25/2025	-	-	-	-	9/25/2025	-	-	-	-	2	4,000															
1/26/2025	-	-	-	-	2/26/2025	-	-	4	8,000	3/26/2025	-	-	4	8,000	4/26/2025	-	-	-	-	5/26/2025	-	-	-	-	6/26/2025	-	-	-	-	7/26/2025	-	-	-	-	8/26/2025	-	-	-	-	9/26/2025	-	-	-	-	3	6,000															
1/27/2025	4	3,600	-	-	2/27/2025	-	-	3	6,000	3/27/2025	-	-	3	6,000	4/27/2025	-	-	-	-	5/27/2025	-	-	-	-	6/27/2025	-	-	-	-	7/27/2025	-	-	-	-	8/27/2025	-	-	-	-	9/27/2025	-	-	-	-	5	10,000															
1/28/2025	-	-	3	6,000	2/28/2025	-	-	3	6,000	3/28/2025	-	-	4	8,000	4/28/2025	-	-	-	-	5/28/2025	-	-	-	-	6/28/2025	-	-	-	-	7/28/2025	-	-	-	-	8/28/2025	-	-	-	-	9/28/2025	-	-	-	-	4	8,000															
1/29/2025	-	-	3	6,000	-	-	-	-	-	3/29/2025	-	-	-	-	4/29/2025	-	-	-	-	5/29/2025	-	-	-	-	6/29/2025	-	-	-	-	7/29/2025	-	-	-	-	8/29/2025	-	-	-	-	9/29/2025	-	-	-	-	2	4,000															
1/30/2025	1	900	-	-	-	-	-	-	-	3/30/2025	-	-	-	-	4/30/2025	-	-	-	-	5/30/2025	-	-	-	-	6/30/2025	-	-	-	-	7/30/2025	-	-	-	-	8/30/2025	-	-	-	-	9/30/2025	-	-	-	-	2	4,000															
1/31/2025	-	-	-	-	-	-	-	-	-	3/31/2025	-	-	4	8,000	-	-	-	-	5/31/2025	-	-	-	-	-	-	-	-	7/31/2025	-	-	-	-	8/31/2025	-	-	-	-	9/31/2025	-	-	-	-	3	6,000																	
26 23,400 29 58,000					29 26,100 34 68,000					14 12,600 48 96,000					20 18,000 65 130,000					2 1,800 82 164,000					10 9,000 48 96,000					9 8,100 69 138,000					5 4,500 83 166,000					- - 43 86,000					15 13,500 42 84,000					2 1,800 47 94,000					24 21,600 39 78,000						
81,400					94,100					108,600					148,000					165,800					105,000					146,100					170,500					86,000					97,500					95,800					99,600						

Appendix H.5 – Leachate Piezometer Elevation Monitoring

Table H1
South Dallas County Sanitary Landfill
25-SDP-01-75P
LEACHATE MEASUREMENTS - CLOSED LANDFILLING AREAS

	1/13/2025		4/25/2025		7/14/2025		10/6/2025	
Existing Well ID	Depth to Leachate	Leachate Elevation	Depth to Leachate	Leachate Elevation	Depth to Leachate	Leachate Elevation	Depth to Leachate	Leachate Elevation
	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
LW-1	35.11	903.86	34.81	904.16	34.7	904.27	35.11	903.86
LW-2	58.71	895.92	59.21	895.42	58.61	896.02	58.31	896.32
LW-3	58.11	884.93	57.21	885.83	58.11	884.93	58.21	884.83
LW-4	44.21	895.85	44.31	895.75	44.11	895.95	44.21	895.85
LW-5	43.81	893.03	43.11	893.73	44.11	892.73	43.21	893.63
LW-6	70.21	886.99	71.31	885.89	70.31	886.89	71.11	886.09
LPZ-1	48	911.42	48	911.42	47.81	911.61	47.51	911.91
LPZ-3	37	907.46	37.21	907.25	37.81	906.65	36.91	907.55

blue text = dry well

Existing Well ID	Top of Casing Elev. (ft)
LW-1	938.97
LW-2	954.63
LW-3	943.04
LW-4	940.06
LW-5	936.84
LW-6	957.2
LPZ-1	959.42
LPZ-3	944.46

Table H2
South Dallas County Sanitary Landfill
25-SDP-01-75P
LEACHATE MEASUREMENTS - SUBTITLE D AREA

Date	LPZ-12 Phase 1 & 2	LPZ-13 Phase 3
	Leachate Thickness (in)	Leachate Thickness (in)
1/13/2025	<1	<1
2/10/2025	<1	<1
3/24/2025	<1	<1
4/25/2025	<1	<1
5/16/2025	<1	<1
6/23/2025	<1	<1
7/14/2025	<1	<1
8/4/2025	<1	<1
9/15/2025	<1	<1
10/6/2025	<1	<1
11/10/2025	<1	<1
12/1/2025	<1	<1