

2025 ANNUAL GROUNDWATER QUALITY REPORT

**FOR THE
BENTON COUNTY SANITARY LANDFILL
06-SDP-02-81P
BLAIRSTOWN, IOWA**

**by:
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March, 2026



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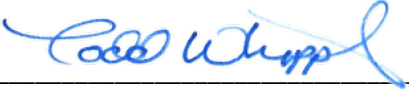
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Certification

Prepared by: 

Date: 3-6-2026

Typed: Todd Whipple, CPG

Section 1.0 Background Information

1.1 Report Format

Table 1 through Table 13 are attached to this report and satisfy the IDNR requirement to provide the tables to meet the IDNR format requirements included in Special Provision 4.o. of the Permit Revision dated December 2, 2025 (Doc #114895).

1.2 Report Priority

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

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 2.

MW-20, MW-24, and AW-3 should remain in the Assessment Monitoring System.

AW-2 and AW-9 should remain in the Corrective Action Monitoring System.

A report was issued to IDNR related to water quality at AW-2 on March 1, 2024 (Doc # 109398). The report documented the improvements in water quality at AW-2 over time while the background water quality was established for the site.

1.3 Period of Report Coverage

Water quality data evaluation is based on a running compilation of data beginning on February 4, 2008. Statistical evaluations herein are based on the most recent water quality data collected September 16, 2025.

1.4 Current Site Map

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

1.5 Site Status and Applicable Rules

Site Location

The Benton County Sanitary Landfill is located in Section 35, T82N, R11W, Benton County, Iowa. The portion of the site that encompasses the waste footprint is limited to approximately 40 acres. An additional 80 acres (approximate) of land comprises the site (40 acres to the south of the waste footprint and 40 acres to the west of the waste footprint). The facility is situated approximately 2 miles south of Blainstown, Iowa. The facility operates under the Iowa Department of Natural Resources (IDNR) Permit Number 06-SDP-02-81P.

Landfill Layout

The site is situated on land described as loess (up to 20 feet thick) overlying glacial till soils. The Hydrogeologic Investigation Report was submitted on May 28, 1991 (Doc #1984).

The facility includes several closed landfill cells adjoined to operating RCRA Subtitle D Expansion Areas that are actively receiving waste from the planning area.

Applicable Rules

Iowa Administrative Code (IAC) 567-113 is applicable to the site. The original landfill cells (closed) and the adjoining RCRA Subtitle D landfill cells are regulated under (IAC) 567-113.

1.6 Summary of Hydrologic Monitoring System Plan (HMSP)

The HMSP includes background monitoring point MW-6, MW-7, MW-26, MW-27, and MW-28. Downgradient points include MW-12, MW-14, MW-20, MW-24, MW-25, AW-2, AW-3, AW-9, AW-1, MW-41, and GU-L.

The site monitoring wells are evaluated by interwell statistical methods to determine whether a statistically significant increase (SSI) is documented in the vicinity of the landfill. AW-1, GU-L, and MW-24 are evaluated by Intrawell statistical methods.

AW-1 and GU-L serve as downgradient monitoring points to the leachate treatment lagoons on the site. The current HMSP is summarized in Table 1. The HMSP Implementation Schedule for 2026 is itemized in Table 2.

MONITORING WELL MAINTENANCE PERFORMANCE REEVALUATION

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

High & Low Water Levels

Current water elevation data is included in Table 4. Historic water elevation data is included in Table 4A. A Water Table Contour Map (Figure 3) dated September 2025 is included with this report and illustrates the water table surface and the effects of the topography. Review of the map confirms control of the water table surface.

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

Well Depth & Sedimentation

Well depth measurements were made September 16, 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 except:

AW-2 – 1.0 foot of sediment

MW-25 – 1.4 feet of sediment

The interpreted sedimentation is *not* considered to be detrimental to well performance.

Well Recharge Rates & Chemistry

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

Monitoring well recharge reevaluation is due biennially according to 113.10(2)f. Well recharge was evaluated on March 11, 2024. Each well was purged of 1 to 3 well volumes and water drawdown levels were recorded. Recovery was then recorded at each well 2 to 8 hours following purging.

Review of the data indicates that the wells recover by 90% within 8 hours of purging. Based on the information collected on March 11, 2024, recharge to each well from the formation is considered sufficient to promote the collection of representative water quality samples.

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.

Well recharge should be evaluated again in 2026.

Section 2.0 Reporting Period Monitoring Activities

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

Field sampling information for March 6, 2025; May 22, 2025; and September 16, 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 10, 2014 and September 16, 2025 is included on Table 9.

2.1 Current Detection Monitoring Activities

The background wells are MW-6, MW-7, MW-26, MW-27, and MW-28.

Downgradient detection monitoring wells include MW-12, MW-14, MW-25, AW-1, MW-41, and GU-L.

2.2 Current Assessment Monitoring Activities

Assessment monitoring wells include MW-20, MW-24, and AW-3.

A minimum of two (2) rounds of full Appendix II sampling are completed at every assessment monitoring/corrective action well. The full Appendix II sampling has an alternate sampling frequency of once per five (5) years based on the Special Provision X.4.1. of the Permit dated December 2, 2025 (Doc #114895).

2.3 Current Corrective Action Activities

GU-1, GU-2, and GU-3 were connected to the leachate collection system in satisfaction of IAC 567-113(10)2(3) and were removed from the HMSP in 2016.

Exploration for the waste boundary along the west side of the site was completed May 9, 2017 in accordance with the July 22, 2016 Workplan (Doc #86856).

Corrective Action Monitoring for arsenic and cobalt should continue at AW-2 and AW-9.

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 Benton 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 Benton County Sanitary Landfill, Second Semi-Annual Monitoring Event in 2025, dated October, 2025 is included in Appendix B.2.

Analytical Reports for the laboratory testing on samples collected March 6, 2025; May 22, 2025; and September 16, 2025 are included in Appendix C.

QUALITY ASSURANCE/QUALITY CONTROL

A blind duplicate sample was collected at MW-26 during the March 6, 2025 sampling episode. A blind duplicate sample was collected at AW-3 during the September 16, 2025 sampling episode.

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

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

- a) 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 both the March 6, 2025 and September 16, 2025 sampling episodes 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 # 80723). A TSS and Field Turbidity Correlation Report was prepared and submitted on February 2, 2017 (Doc# 88357). IDNR approval of the report is included in Special Provision X.4.k. of the Permit dated December 2, 2025 (Doc #114895). A summary of the recorded field turbidity measurements to date is included in Appendix D.

The background data utilized herein has been restricted to include only sample results collected since October, 2014.

Upgradient Data, Table 1, Attachment B, to the October, 2025 Statistical Evaluation Report (Appendix B.2) includes a summary of the background data utilized in this evaluation. The data is tested for statistical outlier values. Any statistical outlier is excluded from use in calculating the Prediction Limits. The current inorganic compound prediction limits are considered valid. Prediction limits for VOC compounds are set at the Laboratory Method detection limits and are considered valid.

The calculated Prediction Limits are summarized on Table 5. Calculated Control Limits for Intrawell analyses at AW-1, GU-L, and MW-24 are included on Table 5A.

SITE SPECIFIC GWPS

Review of the information included on Table 5 indicates that the prediction limit for arsenic (51.3 ug/L) and cobalt (12.2 ug/L) calculated from the background data exceeds the published IAC 567, Chapter 137 Statewide Standard (10.0 ug/L and 2.1 ug/L, respectively). The Site-Specific GWPS should not be set lower than the Site Prediction Limit calculated from the site background data. For this report, the prediction limits for arsenic (51.3 ug/L) and cobalt (12.2 ug/L) are utilized as

the Site-Specific GWPS. For all other compounds the published IAC 567, Chapter 137 Statewide Standard are utilized as the GWPS (see Table 5).

STATISTICALLY SIGNIFICANT INCREASES (SSI)

The detected concentration of each compound is compared to the current site prediction limit for each respective compound calculated based on the background data set. A detected concentration for a compound that is in excess of the calculated site prediction limit is recorded as a Statistically Significant Increase (SSI) at detection monitoring wells.

Since the Prediction limit for VOC is set at the laboratory Reporting Level, any VOC detection is recorded as an SSI. Table 6 is a summary of all compounds at site monitoring wells that have exceeded a *current* year prediction limit in 2025. There were no verified prediction limit exceedances recorded in the current detection monitoring system wells, only in the assessment monitoring system wells.

Prediction limit exceedances are again recorded at wells that are currently included in the assessment monitoring and/or the corrective action systems (AW-2, AW-3, MW-20, and MW-24). 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 and/or 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 is included in Appendix E.

Based on the absence of SSI for several years, MW-12, MW-14, and MW-25 were returned to the Detection Monitoring System on January 1, 2022.

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

ASSESSMENT MONITORING SUMMARY

A five (5) year frequency for full Appendix II sampling was approved in Special Provision X.4.1. of the Permit dated December 2, 2025 (Doc #114895).

Full Appendix II monitoring has been completed at least three (3) times at all assessment monitoring wells.

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

Based on the results to date, bis (2-ethylhexyl) phthalate and cyanide will continue to be monitored on a five (5) year frequency as appropriate to findings during assessment monitoring episodes. AW-2, AW-3, MW-20, and MW-24 will remain in assessment monitoring and/or corrective action monitoring, but the semi-annual sampling parameter list will be limited to Appendix I compounds in accordance with IAC 567, Chapter 113.10(6)"d"2. Sulfide will continue to be collected semi-annually at MW-20. The full Appendix II sampling schedule is included on Table 2.

The full Appendix II sampling moving forward will be in accordance with the approved five (5) year frequency.

STATISTICALLY SIGNIFICANT LEVELS

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

The SSL Evaluation is based on data collected since December 10, 2014. The Confidence Intervals (95% LCL and 95% UCL) are calculated during each statistical evaluation based on the most recent four (4) data points. The 95% LCL evaluation is presented in Table 7. Any SSL would be highlighted in yellow on Table 7.

The designation of an SSL remains in effect until such time as the 95% UCL value no longer exceeds the GWPS for a period of three (3) consecutive years (IAC 567-113.10(9)"e"(2)). For the SSL, the 95% UCL values that remain above the GWPS are highlighted in green on Table 8 and Table 10. Brown highlights indicate the SSI.

Based on the absence of SSL, MW-20, MW-24, and AW-3 remain designated Assessment Monitoring Wells.

Arsenic at AW-2 is the only compound that has historically demonstrated a 95% LCL and 95% UCL exceedance of the GWPS. A summary is presented in Table 10. AW-2 and AW-9 are designated as corrective action monitoring wells.

The 95% LCL for arsenic has been below the GWPS since March 30, 2021.

The 95% UCL for arsenic dropped below the GWPS August 30, 2022 and remained below the GWPS for three (3) consecutive years. On September 16, 2025 elevated arsenic was again detected in AW-2. On September 16, 2025 the 95% LCL remains below the GWPS, but the 95% UCL exceeded the GWPS.

Monitoring well AW-2 should remain in the corrective action monitoring program through 2026 and should be evaluated again in the 2026 Annual Water Quality Report due March, 2027.

AW-9 is a step-out well to AW-2 that will continue to be sampled through 2026 to confirm water compliance is maintained. No additional ACM Activities are required at this time.

DELINEATION & ASSESSMENT OF CORRECTIVE MEASURES (ACM)

On April 23, 2021 a letter was submitted to IDNR (Doc # 100318) requesting that the deadline for determining whether an ACM is warranted be postponed until June 30, 2024. This request was approved by IDNR on September 15, 2021 (Doc # 101213). Drainage improvements in the vicinity of AW-2 were made in late 2020. The basis of the postponement request was that additional data pertaining to the confidence interval at AW-2 over time would benefit interpretation of the reported findings. As noted, the confidence interval values for arsenic decreased falling below the GWPS.

Monitoring Well AW-2 is located 43.7 feet from the waste boundary based on excavations in the field. Groundwater flow is south-southwest in the vicinity (Figure 3). Existing well AW-9 (installed 2012) is situated approximately 100 feet downgradient of AW-2.

A summary of arsenic testing at AW-9 is summarized below. Results indicate that arsenic has remained undetected, except for a detection on March 11, 2024, when turbidity is documented to be elevated. The concentration detected March 11, 2024 (4.2 ug/L) was well below the GWPS (51.3 ug/L).

Arsenic at Step-Out Well AW-9

Well	Date	Compound	Turbidity (NTU)	Result (ug/L)	Prediction Limit (ug/L)	GWPS (ug/L)
AW-9	9/12/2019	Arsenic	20.28	<4.0	51.3	51.3
AW-9	5/6/2020	Arsenic	38.7	<4.0	51.3	51.3
AW-9	3/30/21	Arsenic	11.2	<4.0	51.3	51.3
AW-9	9/8/2021	Arsenic	2.97	<4.0	51.3	51.3
AW-9	3/31/2022	Arsenic	5.46	<4.0	51.3	51.3
AW-9	8/30/2022	Arsenic	3.76	<4.0	51.3	51.3
AW-9	3/7/2023	Arsenic	7.24	<4.0	51.3	51.3
AW-9	9/28/2023	Arsenic	20.17	<4.0	51.3	51.3
AW-9	3/11/2024	Arsenic	191.6	4.2	51.3	51.3
AW-9	10/2/2024	Arsenic	23.51	<4.0	51.3	51.3
AW-9	3/6/2025	Arsenic	36.48	<4.0	51.3	51.3
AW-9	9/16/2025	Arsenic	22.57	<2.0	51.3	51.3

Table 11 illustrates the progress of the remedy at impacted well AW-2.

Section 4.0 Leachate Collection System Performance Evaluation

Leachate accumulating in the existing leachate storage facilities on-site is recirculated in the Subtitle D composite lined disposal areas in accordance with Special Provision X.5 of the Permit dated December 2, 2025 (Doc #114895) or is hauled to a nearby Publicly Owned Treatment Works (POTW) for treatment. The Benton County Landfill has treatment agreements with the City of Van Horne POTW (Appendix G.1), the Vinton Wastewater Treatment Facility (Appendix G.2), and the Blairstown Treatment Facility (Appendix G.3). Approximately 587,839 gallons of leachate were hauled to treatment in 2025 (467,289 gallons to Van Horne and 120,550 gallons to Blairstown).

The laboratory testing results on the leachate for 2025 in accordance with the leachate treatment agreements are included in Appendix G.4.

No leachate was recirculated in 2025.

Leachate System Performance

Leachate collection piping has been installed in the Closed Original Landfill as well as the Operating Landfill. Leachate is stored in an FML lined storage lagoon with a capacity of approximately 1,195,300 gallons (constructed in 2025).

Closed Original Landfill – The original landfill (Closed) is exempt from installing a leachate collection system based on the completed and certified site Risk Assessment as per the September 26, 1995 letter from IDNR.

Leachate piezometer LPZ-2 was removed during the Phase III Cell H expansion project in 2023. Leachate piezometers LPZ-3 through LPZ-7 are located in the unlined landfilling areas. Figure 2 and 3 in the body of the report illustrate the locations of the leachate piezometers. Leachate head levels were measured monthly in 2025. The historic leachate piezometer measurements are included Table 12. The data shows that the leachate piezometer measurements in the unlined areas have remained fairly consistent over time.

Operating Landfill – Phase II Cell C, Phase II Cell D, Phase II Cell E/F Stage 1, Phase II Cell E/F Stage 2, Phase III Cell G, and Phase III Cell H are the operating areas of the landfill. Phase II Cell C and Phase II Cell D were constructed with Subtitle D compliant alternative liner systems. Phase II Cell E/F Stage 1, Phase II Cell E/F Stage 2, Phase III Cell G, and Phase III Cell H were constructed with Subtitle D composite liners.

Two leachate head monitoring points were installed in Phase II Cell E/F Stage 1 (LPZ-8 and LPZ-9). One leachate head monitoring point was installed in Phase III Cell G (LPZ-10) near the lowest

point in Phase III Cell G. LPZ-10 is also located downgradient of the Phase III Cell H disposal area. Figure 2 in the body of the report illustrates the locations of LPZ-8, LPZ-9, and LPZ-10.

Leachate head measurements in the Subtitle D lined areas are required monthly in accordance with the SDP Permit. Leachate head measurements are summarized as:

Date/Location	LPZ-8	LPZ-9	LPZ-10
1/17/2025	0	0	0
2/11/2025	0	0	0
3/12/2025	0	0	0
4/16/2025	0	0	0
5/20/2025	0	0	0
6/10/2025	0	0	0
7/14/2025	0	0	0
8/5/2025	0	0	0
9/11/2025	0	0	0
10/22/2025	0	0	0
11/19/2025	0	0	0
12/22/2025	0	0	0

Based on the leachate head data, the leachate collection system is performing as designed. No changes are recommended.

Leachate Line Cleaning

The leachate collection lines were cleaned October 29, 2024. As per IDNR regulations, the lines should be cleaned every 3 years (next cleaning will be scheduled in 2027).

Performance Evaluation

No modifications to the leachate collection system are recommended for next year.

Section 5.0 Gas Monitoring

Explosive gas monitoring per 113.9(2) and the approved GMSP was conducted during the last reporting period (2025). Monitoring points include the four subsurface monitoring points, (GMW's), four monitoring points located within facility structures (BLDG's), one underdrain monitoring point (GU), and four ambient air monitoring points (GMP's). Figure 2 in the body of the report illustrates the locations of the subsurface monitoring points.

Note that groundwater underdrains GU-2 and GU-3 were connected to the leachate collection system in March, 2016 and are no longer a part of the GMSP.

Explosive gas concentrations were below action levels during the quarterly monitoring episodes. Gas monitoring results are included on Table 13. All gas concentrations are reported as percent (%) of Lower Explosive Limit (LEL).

Section 6.0 Recommendations

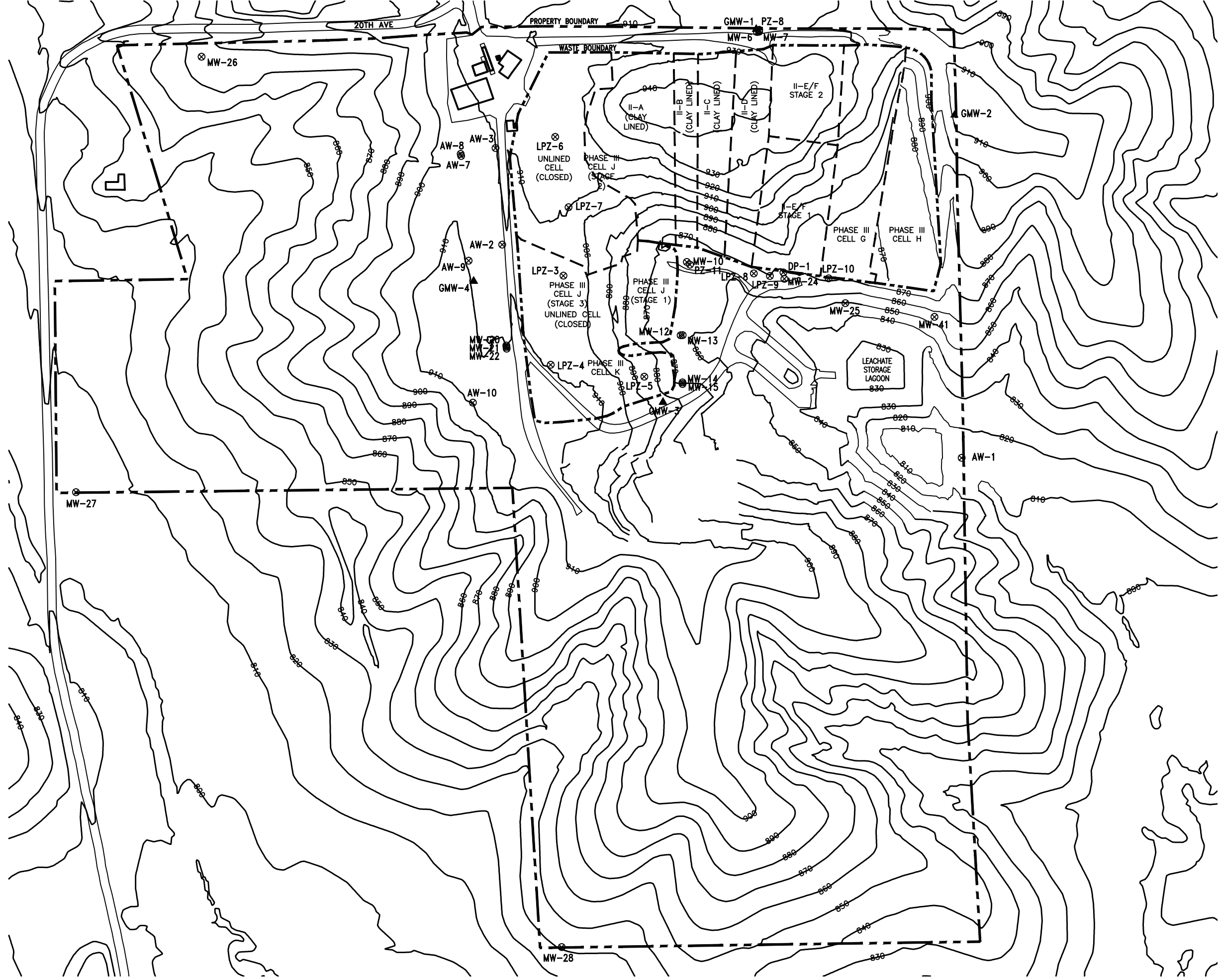
It is recommended that the detection monitoring, assessment monitoring, and corrective action monitoring continue to be performed on a semi-annual basis at the monitoring points listed in Table 1 and Table 2.

MW-20, MW-24, and AW-3 should remain in Assessment Monitoring.

It is also recommended that Corrective Action Monitoring be continued at AW-2 and AW-9 through 2026.

Figures

0 100 200 400
LIDAR FLY DATE: 3-30-10





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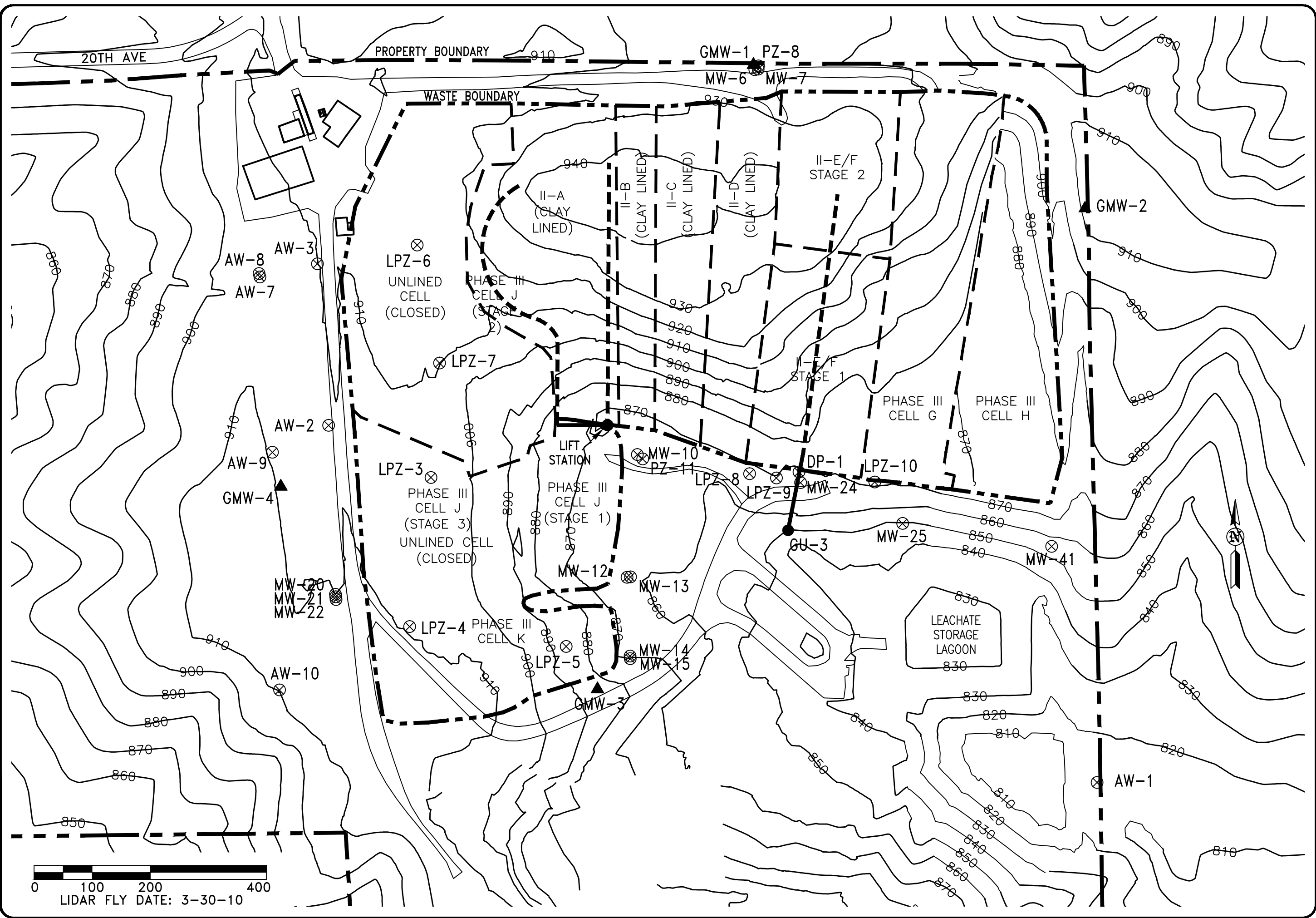
SITE PLAN – TOTAL PROPERTY

BENTON COUNTY SANITARY LANDFILL
BLAIRSTOWN, IOWA

FIGURE: 1

REVISION	NO.	DATE
DRAWN	6043	PROJECT NO.
DRA		DATE

1-28-26





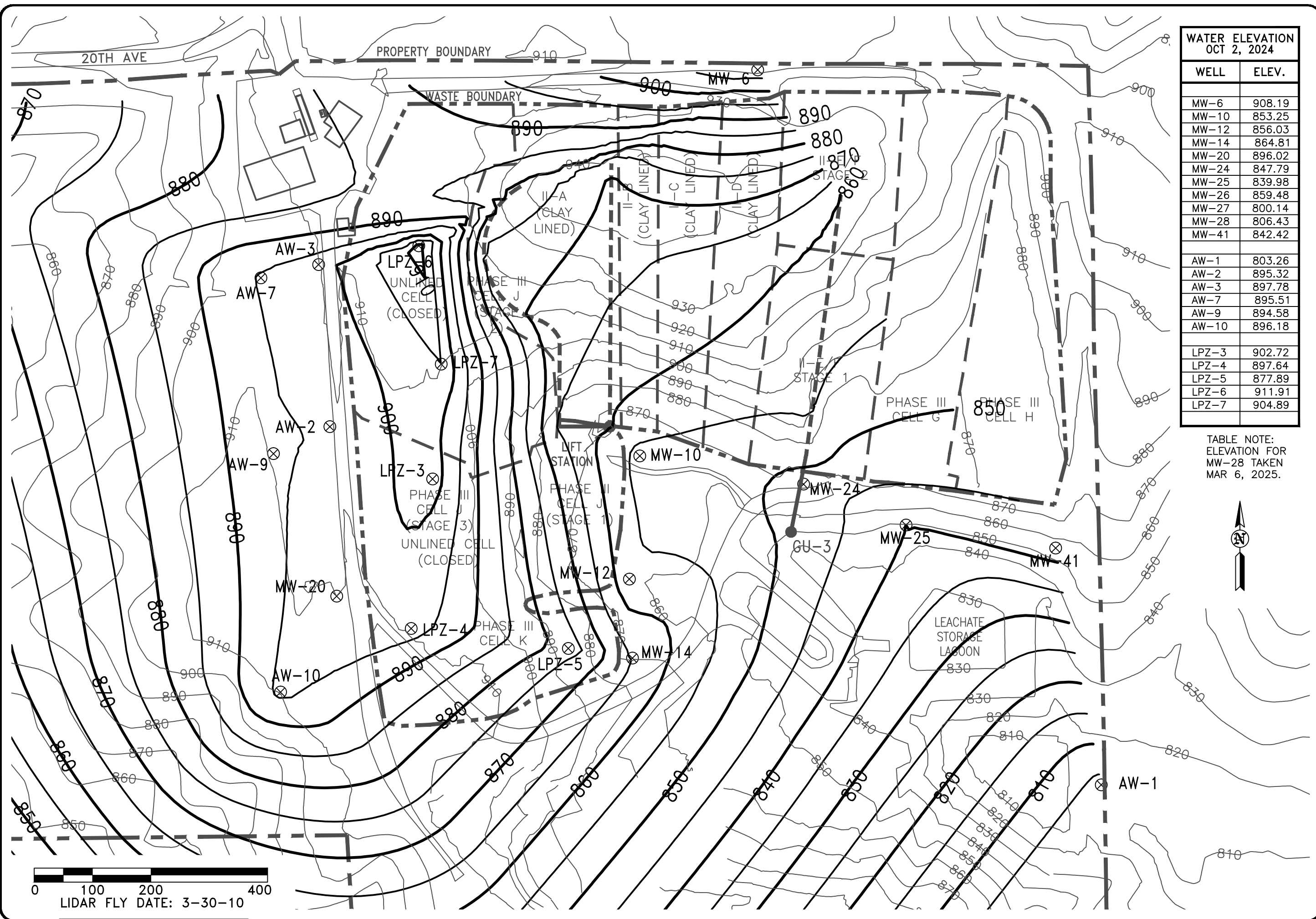
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SITE PLAN – PERMITTED AREA
BENTON COUNTY SANITARY LANDFILL
BLAIRSTOWN, IOWA

FIGURE: 2

REVISION	NO.	DATE
DRAWN	6043	PROJECT NO.
DRA		DATE

1-28-26



WATER ELEVATION OCT 2, 2024	
WELL	ELEV.
MW-6	908.19
MW-10	853.25
MW-12	856.03
MW-14	864.81
MW-20	896.02
MW-24	847.79
MW-25	839.98
MW-26	859.48
MW-27	800.14
MW-28	806.43
MW-41	842.42
AW-1	803.26
AW-2	895.32
AW-3	897.78
AW-7	895.51
AW-9	894.58
AW-10	896.18
LPZ-3	902.72
LPZ-4	897.64
LPZ-5	877.89
LPZ-6	911.91
LPZ-7	904.89

TABLE NOTE:
ELEVATION FOR
MW-28 TAKEN
MAR 6, 2025.

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GROUNDWATER CONTOURS

BENTON COUNTY SANITARY LANDFILL
BLAIRSTOWN, IOWA

FIGURE: 3

NO. REVISION

DATE

PROJECT NO. 6043

DRAWN DRA

DATE 1-28-26

Tables in IDNR Format

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Table 1 – Monitoring Program Summary

Table 1
Monitoring Program Summary
Annual Water Quality Report
Benton County Sanitary Landfill
Permit No. 06-SDP-02-81P

Monitoring Well	Formation	Current Monitoring Program	Change for next sampling event	Constituents w/ SSI	Constituents w/ SSL	Total # of Samples in each monitoring program since October 20, 2014		
						Detection	Assessment	Corrective Action
MW-6	Glacial Till	Background	NC	None	None	21	0	0
MW-7	Glacial Till	Background	NC	None	None	20	0	0
MW-26	Glacial Till	Background	NC	None	None	19	0	0
MW-27	Glacial Till	Background	NC	None	None	19	0	0
MW-28	Glacial Till	Background	NC	None	None	12	0	0
MW-12	Glacial Till	Detection	NC	None	None	23	0	0
MW-14	Glacial Till	Detection	NC	None	None	23	0	0
MW-20	Glacial Till	Assessment	NC	1-4-dichlorobenzene, acetone, benzene, chlorobenzene	None	0	23	0
MW-24	Glacial Till	Assessment	NC	None	None	0	23	0
MW-25	Glacial Till	Detection	NC	None	None	22	0	0
MW-41	Glacial Till	Detection	NC	None	None	3	0	0
AW-1	Glacial Till	Detection - Lagoon	NC	None	None	11	0	0
AW-2	Glacial Till	Assessment	NC	arsenic	None	0	24	0
AW-3	Glacial Till	Assessment	NC	1-4-dichlorobenzene, 2-butanone, chloroethane, cis-1,2-dichloroethylene	None	0	23	0
AW-9	Glacial Till	Detection (AZPOC to AW-2)	NC	None	None	18	0	0
GU-L	Glacial Till	Detection - Lagoon	NC	None	None	2	0	0

* = not verified - verification sample is required

Table 2 – Monitoring Program Implementation Schedule

Table 2
Monitoring Program Implementation Schedule
Annual Water Quality Report
Benton County Sanitary Landfill
Permit No. 06-SDP-02-81P

Monitoring Well	Recent Sampling Dates and Constituents	Upcoming Sampling Dates and Constituents		Full Appendix II Sample Dates	
		March, 2026	September, 2026	Previously Collected	Next Event
MW-6	see Table 2A	Appendix I	Appendix I	3/20/2012	N/A
MW-7		Appendix I	Appendix I		N/A
MW-12		Appendix I	Appendix I	4/23/09, 4/27/10, 3/24/11, 3/20/12, 3/17/17	N/A
MW-14		Appendix I	Appendix I	4/23/09, 4/27/10, 3/24/11, 3/20/12, 3/17/17	N/A
MW-20		Appendix I ⁽¹⁾	Appendix I ⁽¹⁾	3/20/12, 8/28/12, 3/17/17, 3/31/22	March 2027
MW-24		Appendix I	Appendix I	3/20/12, 3/17/17, 3/31/22	March 2027
MW-25		Appendix I	Appendix I	3/17/17, 9/12/18	N/A
MW-26		Appendix I	Appendix I		N/A
MW-27		Appendix I	Appendix I		N/A
MW-28		Appendix I	Appendix I		N/A
MW-41		Appendix I	Appendix I		N/A
AW-1		Appendix I	Appendix I		N/A
AW-2		Appendix I	Appendix I	3/20/12, 3/17/7, 3/31/22	March 2027
AW-3		Appendix I	Appendix I	3/20/12, 3/17/7, 3/31/22	March 2027
AW-9		Arsenic + Cobalt	Arsenic + Cobalt		N/A
GU-L		Appendix I	Appendix I		N/A
Field Duplicate		Appendix I	Appendix I		N/A

⁽¹⁾ add sulfide

⁽²⁾ add bis(2-ethylhexyl)phthalate

⁽³⁾ add any detected App II compounds

Table 2A – Summary of Monitoring to Date

Table 2A -- Itemized Summary of Monitoring at HMSP Points (to date)

WELL	2/4/0/08	4/4/08	6/23/08	8/21/08	11/2/08
MW-6 (b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-9	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-12	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-14	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-19	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-20	NT	NT	NT	NT	NT
MW-23	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-24	NT	NT	NT	NT	NT
MW-25	NT	NT	NT	NT	NT
AW-2	NT	NT	NT	NT	NT
AW-3	NT	NT	NT	NT	NT

WELL	4/23/09	8/24/09	4/27/10	8/5/10	9/29/10
MW-6 (b)	Appendix II	Appendix I	Appendix II	NT	Appendix I
MW-9	Appendix II	Appendix I	Appendix II	NT	Appendix I
MW-12	Appendix II	Appendix I	Appendix II	NT	Appendix I
MW-14	Appendix II	Appendix I	Appendix II	NT	Appendix I
MW-19	Appendix II	Appendix I	Appendix II	NT	Appendix I
MW-20	NT	NT	NT	Appendix I	Appendix I
MW-23	Appendix II	Appendix I	Appendix II	NT	Appendix I
MW-24	NT	NT	NT	NT	NT
MW-25	NT	NT	NT	NT	NT
AW-2	NT	NT	NT	Appendix I	Appendix I
AW-3	NT	NT	NT	Appendix I	Appendix I

WELL	3/24/11	7/19/11	9/14/11	12/26/11	3/20/12
MW-6 (b)	Appendix II	Appendix I	Appendix I	Appendix I	Appendix II
MW-9	Appendix II	NT	Appendix I	NT	Appendix II
MW-12	Appendix II	NT	Appendix I	NT	Appendix II
MW-14	Appendix II	NT	Appendix I	NT	Appendix II
MW-19	Appendix II	NT	Appendix I	NT	Appendix II
MW-20	Appendix I	Appendix I	Appendix I	Appendix I	Appendix II
MW-23	Appendix II	NT	Appendix I	NT	Appendix II
MW-24	Appendix I	Appendix I	Appendix I	Appendix I	Appendix II
MW-25	NT	NT	NT	NT	NT
AW-2	Appendix I	Appendix I	Appendix I	Appendix I	Appendix II
AW-3	Appendix I	Appendix I	Appendix I	Appendix I	Appendix II

WELL	8/28/12	10/15/12	3/15/13	9/7/13	3/17/14
MW-6 (b)	NT	Appendix I	Appendix I	Appendix I	Appendix I
MW-9	NT	Appendix I	NT	Appendix I	Appendix I
MW-12	NT	Appendix I	NT	Appendix I	Appendix I
MW-14	NT	Appendix I	NT	Appendix I	Appendix I
MW-19	NT	Appendix I	NT	Appendix I	Appendix I
MW-20	Appendix I	Appendix I	NT	Appendix I	Appendix I
MW-23	NT	Appendix I	NT	Appendix I	Appendix I
MW-24	NT	Appendix I	Appendix I	Appendix I	Appendix I
MW-25	NT	NT	NT	NT	NT
AW-2	NT	Appendix I	NT	Appendix I	Appendix I
AW-3	NT	Appendix I	NT	Appendix I	Appendix I

WELL	10/20/14	6/22/15	11/12/15	4/11/16	9/16/16
MW-6 (b)	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-9	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I ⁽¹⁾
MW-12	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾
MW-14	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾
MW-19	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾
MW-20	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-23	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾
MW-24	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
MW-25	NT	NT	Appendix I	Appendix I	Appendix I
AW-2	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
AW-3	Appendix I	Appendix I	Appendix I	Appendix I	Appendix I
Duplicate	At MW-24	At MW-20	At MW-19	NT	At MW-20

WELL	10/31/2016	3/15/2017	5/9/2017	9/27/2017	12/13/2017
MW-6 (b)		Appendix I		Appendix I	
MW-7 (b)		App I - metals	App I - metals	App I - metals	R – Ni, Zn
MW-26 (b)	Appendix I	App I - metals		App I - metals	
MW-27 (b)	Appendix I	App I - metals		App I - metals	R – As, Ba, Zn
MW-28 (b)	Appendix I	App I - metals		No Sample	
MW-9		Appendix II		Appendix I ⁽⁴⁾	R - As
MW-12		Appendix II		Appendix I ⁽⁴⁾	
MW-14		Appendix II		Appendix I ⁽²⁾	
MW-19		Appendix II		Appendix I ⁽⁴⁾	
MW-20		Appendix II		Appendix I ⁽⁴⁾	
MW-23		Appendix II		Appendix I ⁽⁴⁾	
MW-24		Appendix II		Appendix I ⁽⁴⁾	
MW-25		Appendix II		Appendix I ⁽³⁾	
AW-2		Appendix II		Appendix I ⁽²⁾	R - Zn
AW-3		Appendix II		Appendix I ⁽³⁾	
Duplicate		MW-6		MW-19	

WELL	3/14/2018	6/5/2018	9/12/2018	4/1/2019	9/12/2019
MW-6 (b)	No Sample		Appendix I	Appendix I	Appendix I
MW-7 (b)	Appendix I		Appendix I	Appendix I	Appendix I
MW-26 (b)	Appendix I		Appendix I	Appendix I	Appendix I
MW-27 (b)	Appendix I		Appendix I	Appendix I	Appendix I
MW-28 (b)	Appendix I		Appendix I	Appendix I	No Sample
MW-9	Appendix I ⁽⁴⁾		Appendix I ⁽⁴⁾	Appendix I ⁽⁴⁾	Appendix I ⁽⁴⁾
MW-12	Appendix I ⁽⁴⁾	R – Ni	Appendix I ⁽⁴⁾	Appendix I ⁽⁴⁾	Appendix I ⁽⁴⁾
MW-14	Appendix I ⁽⁴⁾		Appendix I ⁽²⁾	Appendix I ⁽²⁾	Appendix I ⁽²⁾
MW-19	Appendix I ⁽⁴⁾		Appendix I ⁽⁴⁾	Appendix I ⁽⁴⁾	Appendix I ⁽⁴⁾
MW-20	Appendix I ⁽⁴⁾		Appendix I ⁽⁴⁾	Appendix I ⁽⁴⁾	Appendix I ⁽⁴⁾
MW-23	Appendix I ⁽⁴⁾		Appendix I ⁽⁴⁾	Appendix I ⁽⁴⁾	Appendix I ⁽⁴⁾
MW-24	Appendix I ⁽⁴⁾		Appendix I ⁽⁴⁾	Appendix I ⁽⁴⁾	Appendix I ⁽⁴⁾
MW-25	Appendix I ⁽³⁾		Appendix II	Appendix I ⁽³⁾	Appendix I ⁽³⁾
AW-2	Appendix I ⁽⁴⁾	R – As, Ni	Appendix I ⁽²⁾	Appendix I ⁽²⁾	Appendix I ⁽²⁾
AW-3	Appendix I ⁽³⁾	R - As	Appendix I ⁽³⁾	Appendix I ⁽³⁾	Appendix I ⁽³⁾
AW-9	---	---	---	As, Co	As, Co
Duplicate	MW-25		MW-26	MW-28	MW-25

WELL	5/6/2020	9/3/2020	3/30/2021	9/8/2021	
MW-6 (b)	Appendix I	Appendix I	Appendix I	Appendix I	
MW-7 (b)	Appendix I	Appendix I	Appendix I	Appendix I	
MW-26 (b)	Appendix I	Appendix I	Appendix I	Appendix I	
MW-27 (b)	Appendix I	Appendix I	Appendix I	Appendix I	
MW-28 (b)	Appendix I	Appendix I	Appendix I	---	
MW-9	Appendix I ⁽⁴⁾	Appendix I ⁽⁴⁾	Appendix I	Appendix I	
MW-12	Appendix I ⁽⁴⁾	Appendix I ⁽⁴⁾	Appendix I	Appendix I	
MW-14	Appendix I ⁽²⁾	Appendix I ⁽⁴⁾	Appendix I	Appendix I	
MW-19	Appendix I ⁽⁴⁾	Appendix I ⁽⁴⁾	Appendix I	Appendix I	
MW-20	Appendix I ⁽⁴⁾	Appendix I ⁽⁴⁾	Appendix I	Appendix I	
MW-23	Appendix I ⁽⁴⁾	Appendix I ⁽⁴⁾	Appendix I	Appendix I	
MW-24	Appendix I ⁽⁴⁾	Appendix I ⁽⁴⁾	Appendix I	Appendix I	
MW-25	Appendix I ⁽³⁾	Appendix I ⁽⁴⁾	Appendix I	Appendix I	
AW-2	Appendix I ⁽²⁾	Appendix I ⁽⁴⁾	Appendix I	Appendix I	
AW-3	Appendix I ⁽³⁾	Appendix I ⁽⁴⁾	Appendix I	Appendix I	
AW-9	As, Co	As, Co	As, Co	As, Co	
Duplicate	MW-19	MW-25	MW-9	AW-3	

- 1) Tin
- 2) Cyanide
- 3) Bis(2-ethylhexyl)phthalate
- 4) No additional Appendix II compound were detected

WELL	3/31/2022	8/30/2022	11/11/2022	3/7/2023	6/6/2023
MW-6 (b)	Appendix I	Appendix I		Appendix I	
MW-7 (b)	Appendix I	Appendix I		Appendix I	
MW-26 (b)	Appendix I	Appendix I		Appendix I	
MW-27 (b)	Appendix I	Appendix I		Appendix I	
MW-28 (b)	Appendix I	---		Appendix I	
MW-9	Appendix I	Appendix I	Toluene	Appendix I	Ni
MW-12	Appendix I	Appendix I	Ni	Appendix I	
MW-14	Appendix I	Appendix I		Appendix I	
MW-19	Appendix II	Appendix I		---	
MW-20	Appendix II	Appendix I ⁽¹⁾		Appendix I ⁽¹⁾	
MW-24	Appendix II	Appendix I		Appendix I	
MW-25	Appendix I	Appendix I		Appendix I	
AW-2	Appendix II	Appendix I		Appendix I	
AW-3	Appendix II	Appendix I		Appendix I	
AW-4	Appendix I	Appendix I		Appendix I	
AW-9	As, Co	As, Co		Appendix I	
Duplicate	MW-6	MW-26		MW-28	

1) +Sulfide

2) +Bis(2-ethylhexyl)phthalate

WELL	9/28/2023	3/11/2024	10/2/2024	12/11/2024	
MW-6 (b)	Appendix I	Appendix I	Appendix I		
MW-7 (b)	Appendix I	Appendix I	Appendix I		
MW-26 (b)	Appendix I	Appendix I	Appendix I		
MW-27 (b)	Appendix I	Appendix I	Appendix I		
MW-28 (b)	---	Appendix I	---		
MW-9	Appendix II	---	---		
MW-12	Appendix I	Appendix I	Appendix I	Ni	
MW-14	Appendix I	Appendix I	Appendix I		
MW-20	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾	Appendix I ⁽¹⁾		
MW-24	Appendix I	Appendix I	Appendix I		
MW-25	Appendix I	Appendix I	Appendix I		
AW-2	Appendix I	Appendix I	Appendix I		
AW-3	Appendix I	Appendix I	Appendix I		
AW-4	Appendix I	---	---		
AW-9	As, Co	As, Co	As, Co		
AW-1	---	Appendix I	Appendix I		
MW-41	---	---	Appendix I		
Duplicate	MW-27	AW-1	MW-14		

1) +Sulfide

2) +Bis(2-ethylhexyl)phthalate

WELL	3/6/2025	5/22/2025	9/16/2025		
MW-6 (b)	---		Appendix I		
MW-7 (b)	Appendix I		Appendix I		
MW-26 (b)	Appendix I		Appendix I		
MW-27 (b)	Appendix I		Appendix I		
MW-28 (b)	Appendix I		---		
MW-12	Appendix I		Appendix I		
MW-14	Appendix I		Appendix I		
MW-20	Appendix I ⁽¹⁾		Appendix I ⁽¹⁾		
MW-24	Appendix I		Appendix I		
MW-25	Appendix I		Appendix I		
AW-2	Appendix I		Appendix I		
AW-9	As, Co		As, Co		
AW-3	Appendix I		Appendix I		
AW-1	Appendix I	Se	Appendix I		
MW-41	Appendix I		Appendix I		
GU-L	---		Appendix I		
Duplicate	MW-26		AW-3		

1) +Sulfide

2) +Bis(2-ethylhexyl)phthalate

Table 3 – Monitoring Well Maintenance Performance Reevaluation Schedule

Table 3
Monitoring Well Maintenance and Performance Revaluation Schedule
Annual Water Quality Report
Benton County Sanitary Landfill
Permit No. 06-SDP-02-81P

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

X = completed

P = Planned

Table 4 – Monitoring Well Maintenance Performance Reevaluation Summary

Table 4
Monitoring Well Maintenance and Performance Summary
Annual Water Quality Report
Boone County Sanitary Landfill
Permit No. 08-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	
					3/6/2025	9/16/2025			3/11/2024	Change
MW-6	926.4	903.7	32.7	Groundwater Level (ft)	20.25	18.2	0	1.08E-04 1990	Full recovery in 6 hour	None percieved
				Groundwater Elevation (Ft MSL)	906.15	908.2				
				Measured Well Depth (ft)	32.7	32.7				
				Submerged (+) or Exposed screen (-)	2.45	4.5				
MW-7	926.25	868.55	67.7	Groundwater Level (ft)	20.77	18.36	0	2.00E-06 1990	Full recovery in 7 hour	None percieved
				Groundwater Elevation (Ft MSL)	905.48	907.89				
				Measured Well Depth (ft)	67.7	67.7				
				Submerged (+) or Exposed screen (-)	36.93	39.34				
MW-12	861.74	852.44	19.3	Groundwater Level (ft)	4.9	5.6	0	9.91E-05 1990	Full recovery in 3 hour	None percieved
				Groundwater Elevation (Ft MSL)	856.84	856.14				
				Measured Well Depth (ft)	19.3	19.3				
				Submerged (+) or Exposed screen (-)	4.4	3.7				
MW-14	871.50	861.29	20.21	Groundwater Level (ft)	5.03	6.72	0.01	1.25E-04 1990	Full recovery in 6 hour	None percieved
				Groundwater Elevation (Ft MSL)	866.47	864.78				
				Measured Well Depth (ft)	20.2	20.2				
				Submerged (+) or Exposed screen (-)	5.18	3.49				
MW-20	912.52	902.32	20.2	Groundwater Level (ft)	16.04	16.5	0	1.97E-05 1992	Full recovery in 6 hour	None percieved
				Groundwater Elevation (Ft MSL)	896.48	896.02				
				Measured Well Depth (ft)	20.2	20.2				
				Submerged (+) or Exposed screen (-)	-5.84	-6.3				
MW-24	870.24	850.74	29.5	Groundwater Level (ft)	11.7	22.45	0	1.40E-06 2011	Full recovery in 3 hour	None percieved
				Groundwater Elevation (Ft MSL)	858.54	847.79				
				Measured Well Depth (ft)	29.5	29.5				
				Submerged (+) or Exposed screen (-)	7.8	-2.95				
MW-25	852.02	836.82	25.2	Groundwater Level (ft)	11.29	12.04	1.4	No Record 2015	Full recovery in 4 hour	None percieved
				Groundwater Elevation (Ft MSL)	840.73	839.98				
				Measured Well Depth (ft)	23.8	23.8				
				Submerged (+) or Exposed screen (-)	3.91	3.16				
MW-26	877.75	855.3	32.45	Groundwater Level (ft)	16.78	18.27	0	7.01E-05 2016	Full recovery in 5 hour	None percieved
				Groundwater Elevation (Ft MSL)	860.97	859.48				
				Measured Well Depth (ft)	32.45	32.45				
				Submerged (+) or Exposed screen (-)	5.67	4.18				
MW-27	810.29	792.94	27.35	Groundwater Level (ft)	8.64	10.15	0	1.00E-03 2016	Full recovery in 6 hour	None percieved
				Groundwater Elevation (Ft MSL)	801.65	800.14				
				Measured Well Depth (ft)	27.35	27.35				
				Submerged (+) or Exposed screen (-)	8.71	7.2				
MW-28	833.99	792.24	51.75	Groundwater Level (ft)	27.56		0	1.91E-05 2016	Full recovery in 7 hour	None percieved
				Groundwater Elevation (Ft MSL)	806.43	833.99				
				Measured Well Depth (ft)	51.75	51.75				
				Submerged (+) or Exposed screen (-)	14.19	41.75				
MW-41	857.85	837.5	30.35	Groundwater Level (ft)	15.86	18.6	0	No Record 2024	No Record	None percieved
				Groundwater Elevation (Ft MSL)	841.99	839.25				
				Measured Well Depth (ft)	30.35	30.35				
				Submerged (+) or Exposed screen (-)	4.49	1.75				
AW-1	818.11	809.31	18.8	Groundwater Level (ft)	13.44	14.85	0	9.20E-04 2010	Full recovery in 4 hour	None percieved
				Groundwater Elevation (Ft MSL)	804.67	803.26				
				Measured Well Depth (ft)	18.8	18.8				
				Submerged (+) or Exposed screen (-)	-4.64	-6.05				
AW-2	911.22	898.52	22.7	Groundwater Level (ft)	14.04	15.9	1.0	2.00E-03 2010	Full recovery in 2 hour	None percieved
				Groundwater Elevation (Ft MSL)	897.18	895.32				
				Measured Well Depth (ft)	21.7	21.7				
				Submerged (+) or Exposed screen (-)	-1.34	-3.2				
AW-3	912.46	898.76	23.7	Groundwater Level (ft)	13.99	14.68	0	2.00E-03 2010	Full recovery in 1 hour	None percieved
				Groundwater Elevation (Ft MSL)	898.47	897.78				
				Measured Well Depth (ft)	23.7	23.7				
				Submerged (+) or Exposed screen (-)	-0.29	-0.98				
AW-9	907.49	892.04	25.45	Groundwater Level (ft)	7.83	12.91	0	1.34E-04 2012	Full recovery in 4 hour	None percieved
				Groundwater Elevation (Ft MSL)	899.66	894.58				
				Measured Well Depth (ft)	25.45	25.6				
				Submerged (+) or Exposed screen (-)	7.62	869.13				

Well		Date of Measurements	
		3/6/2025	9/16/2025
DP-1	bottom of waste (feet MSL)	861	861
	Screen of GPZ (feet MSL)	854.5	854.5
	Top Casing (feet MSL)	865.5	865.5
	Depth to Water (ft)	11.03	11.00
	Elevation water in GPZ (feet MSL)	854.47	854.50
	Minimum Separation (ft)	6.53	6.50

Table 4A – Water Elevations Over Time

Table 4A
Historic Water Elevation Tables
Annual Water Quality Report
Benton County Sanitary Landfill
Permit No. 06-SDP-02-81P

3/6/2025

Well	TOC	Depth	3/6/2025 SWL	3/6/2025 SW Elev.	screen length
MW-6	926.39	32.7	20.25	906.14	10
MW-7	926.25	67.7	20.77	905.48	10
PZ-8	925.76	88.5	25.35	900.41	2.5
MW-10	866.21	66.4	12.72	853.49	10
PZ-11	857.98	86.9	21.34	836.64	2.5
MW-12	861.63	18.6	4.9	856.73	10
MW-13	861.93	39.2	6.2	855.73	10
MW-14	871.53	20	5.03	866.5	10
MW-15	871.1	50.2	6.45	864.65	10
MW-20	912.52	19.95	16.04	896.48	10
MW-21	912.74	43.2	16.55	896.19	10
MW-22	913.41	67.6	21.38	892.03	10
MW-24	870.24	29.5	11.7	858.54	10
MW-25	852.02	25.2	11.29	840.73	15
MW-26	877.75	32.45	16.78	860.97	10
MW-27	810.29	27.35	8.64	801.65	10
MW-28	833.99	51.75	27.56	806.43	10
MW-29	818.85	102.55	11.23	807.62	10
MW-30	857.25	26.1			10
MW-31	856.55	76.5			10
MW-32	838.32	26.4			10
MW-33	837.98	76.25			10
MW-34	854.31	26.4			10
MW-35	853.82	76.6			10
MW-36	834.47	65.9			5
MW-37	880.34	26.15			10
MW-38	879.75	76.75			5
AW-1	818.11	16.9	13.44	804.67	10
AW-2	911.22	22.35	14.04	897.18	15
AW-3	912.46	23.35	13.99	898.47	15
AW-7	907.01	25.4	8.36	898.65	15
AW-8	907.29	72.05	17.14	890.15	15
AW-9	907.49	25.45	7.83	899.66	15
AW-10	912.06	25.45	17.33	894.73	15
LPZ-3	909.16	31		898	
LPZ-4	914.13	23.7		898.68	
LPZ-5	890.07	18.7		877.69	
LPZ-6	922.45	44.7		912.89	
LPZ-7	918.82	24.1		904.41	

9/16/2025

Well	TOC	Depth	9/16/2025 SWL	9/16/2025 SW Elev.	screen length
MW-6	926.39	32.7	18.2	908.19	10
MW-7	926.25	67.7	18.36	907.89	10
PZ-8	925.76	88.5	24.2	901.56	2.5
MW-10	866.21	66.4	12.96	853.25	10
PZ-11	857.98	86.9	21.08	836.9	2.5
MW-12	861.63	18.6	5.6	856.03	10
MW-13	861.93	39.2	5.81	856.12	10
MW-14	871.53	20	6.72	864.81	10
MW-15	871.1	50.2	6.38	864.72	10
MW-20	912.52	19.95	16.5	896.02	10
MW-21	912.74	43.2	16.58	896.16	10
MW-22	913.41	67.6	19.47	893.94	10
MW-24	870.24	29.5	22.45	847.79	10
MW-25	852.02	25.2	12.04	839.98	15
MW-26	877.75	32.45	18.27	859.48	10
MW-27	810.29	27.35	10.15	800.14	10
MW-28	833.99	51.75			10
MW-29	818.85	102.55	11.5	807.35	10
MW-30	857.25	26.1			10
MW-31	856.55	76.5			10
MW-32	838.32	26.4			10
MW-33	837.98	76.25			10
MW-34	854.31	26.4			10
MW-35	853.82	76.6			10
MW-36	834.47	65.9			5
MW-37	880.34	26.15			10
MW-38	879.75	76.75			5
MW-41	857.85	30.35	15.43	842.42	10
AW-1	818.11	18.8	14.85	803.26	10
AW-2	911.22	22.35	15.9	895.32	15
AW-3	912.46	23.35	14.68	897.78	15
AW-7	907.01	25.4	11.5	895.51	15
AW-8	907.29	72.05	16.09	891.2	15
AW-9	907.49	25.6	12.91	894.58	15
AW-10	912.06	25.45	15.88	896.18	15
LPZ-3	909.16	31	6.44	902.72	
LPZ-4	914.13	23.7	16.49	897.64	
LPZ-5	890.07	18.7	12.18	877.89	
LPZ-6	922.45	44.7	10.54	911.91	
LPZ-7	918.82	24.1	13.93	904.89	

03/11/2024 Benton County Water Elevations

Well	TOC	Depth	3/11/2024 SWL	3/11/2024 SW Elev.	screen length
MW-6	926.39	32.7	22.6	903.79	10
MW-7	926.25	67.7	22.8	903.45	10
PZ-8	925.76	88.5	24.71	901.05	2.5
MW-9	867.67	36.2	12.52	855.15	15
MW-10	866.21	66.4	12.7	853.51	10
PZ-11	857.98	86.9	21.37	836.61	2.5
MW-12	861.63	18.6	5.14	856.49	10
MW-13	861.93	39.2	6.88	855.05	10
MW-14	871.53	20	4.94	866.59	10
MW-15	871.1	50.2	7.46	863.64	10
MW-19	851.58	25.2	plugged	plugged	10
MW-20	912.52	19.95	17.45	895.07	10
MW-21	912.74	43.2	17.59	895.15	10
MW-22	913.41	67.6	21.64	891.77	10
MW-23	859.41	37.1	plugged	plugged	10
MW-24	870.24	29.5	10.57	859.67	10
MW-25	852.02	25.2	12.19	839.83	15
MW-26	877.75	32.45	17.1	860.65	10
MW-27	810.29	27.35	12.32	797.97	10
MW-28	833.99	51.75	30.46	803.53	10
MW-29	818.85	102.55	11.79	807.06	10
MW-30	857.25	26.1			10
MW-31	856.55	76.5			10
MW-32	838.32	26.4			10
MW-33	837.98	76.25			10
MW-34	854.31	26.4			10
MW-35	853.82	76.6			10
MW-36	834.47	65.9			5
MW-37	880.34	26.15			10
MW-38	879.75	76.75			5
AW-1	818.11	16.9	14.66	803.45	10
AW-2	911.22	22.35	15.36	895.86	15
AW-3	912.46	23.35	14.83	897.63	15
AW-4	855.96	22.9	8.32	847.64	10
AW-5	833.75	21.4	4.4	829.35	10
AW-6	845.37	20	4.76	840.61	10
AW-7	907.01	25.4	10.79	896.22	15
AW-8	907.29	72.05	17.8	889.49	15
AW-9	907.49	25.45	9.61	897.88	15
AW-10	912.06	25.45	20.41	891.65	15
LPZ-3	909.16	31		898	
LPZ-4	914.13	23.7		898.68	
LPZ-5	890.07	18.7		877.69	
LPZ-6	922.45	44.7		912.89	
LPZ-7	918.82	24.1		904.41	

10/02/2024 Benton County Water Elevations

Well	TOC	Depth	10/2/2024 SWL	10/2/2024 SW Elev.	screen length
MW-6	926.39	32.7	20.96	905.43	10
MW-7	926.25	67.7	21.22	905.03	10
PZ-8	925.76	88.5	24.64	901.12	2.5
MW-9	867.67	36.2			15
MW-10	866.21	66.4	13.82	852.39	10
PZ-11	857.98	86.9	21.44	836.54	2.5
MW-12	861.63	18.6	6	855.63	10
MW-13	861.93	39.2	5.92	856.01	10
MW-14	871.53	20	7.87	863.66	10
MW-15	871.1	50.2	7.31	863.79	10
MW-19	851.58	25.2	plugged	plugged	10
MW-20	912.52	19.95	17.64	894.88	10
MW-21	912.74	43.2	17.79	894.95	10
MW-22	913.41	67.6	20.87	892.54	10
MW-23	859.41	37.1	plugged	plugged	10
MW-24	870.24	29.5	22.3	847.94	10
MW-25	852.02	25.2	13.33	838.69	15
MW-26	877.75	32.45	18.73	859.02	10
MW-27	810.29	27.35	11.64	798.65	10
MW-28	833.99	51.75			10
MW-29	818.85	102.55	11.8	807.05	10
MW-30	857.25	26.1			10
MW-31	856.55	76.5			10
MW-32	838.32	26.4			10
MW-33	837.98	76.25			10
MW-34	854.31	26.4			10
MW-35	853.82	76.6			10
MW-36	834.47	65.9			5
MW-37	880.34	26.15			10
MW-38	879.75	76.75			5
MW-41	857.85	30.35	16.13	841.72	10
AW-1	818.11	18.8	16.28	801.83	10
AW-2	911.22	22.35	16.2	895.02	15
AW-3	912.46	23.35	15.45	897.01	15
AW-4	855.96	22.9	plugged	plugged	10
AW-5	833.75	21.4	plugged	plugged	10
AW-6	845.37	20	plugged	plugged	10
AW-7	907.01	25.4	12.02	894.99	15
AW-8	907.29	72.05	16.71	890.58	15
AW-9	907.49	25.45	13.61	893.88	15
AW-10	912.06	25.45	19.5	892.56	15
LPZ-3	909.16	31	11.64	897.52	
LPZ-4	914.13	23.7	18.41	895.72	
LPZ-5	890.07	18.7	11.81	878.26	
LPZ-6	922.45	44.7	15.31	907.14	
LPZ-7	918.82	24.1	13.36	905.46	

03/07/2023 Benton County Water Elevations

Well	TOC	Depth	3/7/2023 SWL	3/7/2023 SW Elev.	screen length
MW-6	926.39	32.7	17.15	909.24	10
MW-7	926.25	67.7	17.53	908.72	10
PZ-8	925.76	88.5	26.21	899.55	2.5
MW-9	867.67	36.2	12.91	854.76	15
MW-10	866.21	66.4	13.93	852.28	10
PZ-11	857.98	86.9	20.28	837.7	2.5
MW-12	861.63	18.6	5.37	856.26	10
MW-13	861.93	39.2	6.7	855.23	10
MW-14	871.53	20	2.98	868.55	10
MW-15	871.1	50.2	6.96	864.14	10
MW-19	851.58	25.2	removed	removed	10
MW-20	912.52	19.95	14.46	898.06	10
MW-21	912.74	43.2	15.19	897.55	10
MW-22	913.41	67.6	20.21	893.2	10
MW-23	859.41	37.1			10
MW-24	870.24	29.5	20.95	849.29	10
MW-25	852.02	25.2	11.9	840.12	15
MW-26	877.75	32.45	15.55	862.2	10
MW-27	810.29	27.35	8.33	801.96	10
MW-28	833.99	51.75	28.46	805.53	10
MW-29	818.85	102.55	8.3	810.55	10
MW-30	857.25	26.1			10
MW-31	856.55	76.5			10
MW-32	838.32	26.4			10
MW-33	837.98	76.25			10
MW-34	854.31	26.4			10
MW-35	853.82	76.6			10
MW-36	834.47	65.9			5
MW-37	880.34	26.15			10
MW-38	879.75	76.75			5
AW-1	818.11	16.9	10.6	807.51	10
AW-2	911.22	22.35	13.62	897.6	15
AW-3	912.46	23.35	12.48	899.98	15
AW-4	855.96	22.9	6.54	849.42	10
AW-5	833.75	21.4	3.36	830.39	10
AW-6	845.37	20	3.62	841.75	10
AW-7	907.01	25.4	8.9	898.11	15
AW-8	907.29	72.05	16.79	890.5	15
AW-9	907.49	25.45	7.76	899.73	15
AW-10	912.06	25.45	18.63	893.43	15
LPZ-2	868.05	22.9		850.9	
LPZ-3	909.16	31		898	
LPZ-4	914.13	23.7		898.68	
LPZ-5	890.07	18.7		877.69	
LPZ-6	922.45	44.7		912.89	
LPZ-7	918.82	24.1		904.41	

09/28/2023 Benton County Water Elevations

Well	TOC	Depth	9/28/2023 SWL	9/28/2023 SW Elev.	screen length
MW-6	926.39	32.7	22.08	904.31	10
MW-7	926.25	67.7	22.11	904.14	10
PZ-8	925.76	88.5	21.25	904.51	2.5
MW-9	867.67	36.2	14.06	853.61	15
MW-10	866.21	66.4	13.98	852.23	10
PZ-11	857.98	86.9	21.25	836.73	2.5
MW-12	861.63	18.6	7.18	854.45	10
MW-13	861.93	39.2	6.95	854.98	10
MW-14	871.53	20	9.58	861.95	10
MW-15	871.1	50.2	8.46	862.64	10
MW-19	851.58	25.2	removed	removed	10
MW-20	912.52	19.95	18.56	893.96	10
MW-21	912.74	43.2	18.71	894.03	10
MW-22	913.41	67.6	22.18	891.23	10
MW-23	859.41	37.1			10
MW-24	870.24	29.5	11.44	858.8	10
MW-25	852.02	25.2	13.14	838.88	15
MW-26	877.75	32.45	20.09	857.66	10
MW-27	810.29	27.35	12.85	797.44	10
MW-28	833.99	51.75			10
MW-29	818.85	102.55	11.39	807.46	10
MW-30	857.25	26.1			10
MW-31	856.55	76.5			10
MW-32	838.32	26.4			10
MW-33	837.98	76.25			10
MW-34	854.31	26.4			10
MW-35	853.82	76.6			10
MW-36	834.47	65.9			5
MW-37	880.34	26.15			10
MW-38	879.75	76.75			5
AW-1	818.11	16.9	14.42	803.69	10
AW-2	911.22	22.35	17.55	893.67	15
AW-3	912.46	23.35	17.39	895.07	15
AW-4	855.96	22.9	10.4	845.56	10
AW-5	833.75	21.4	10.09	823.66	10
AW-6	845.37	20	9.07	836.3	10
AW-7	907.01	25.4	13.96	893.05	15
AW-8	907.29	72.05	18.7	888.59	15
AW-9	907.49	25.45	15.62	891.87	15
AW-10	912.06	25.45	22.39	889.67	15
LPZ-2	868.05	22.9	17.79	850.26	
LPZ-3	909.16	31	10.52	898.64	
LPZ-4	914.13	23.7	16.51	897.62	
LPZ-5	890.07	18.7	12.93	877.14	
LPZ-6	922.45	44.7	13.31	909.14	
LPZ-7	918.82	24.1	15.91	902.91	

03/31/2022 Benton County Water Elevations

Well	TOC	Depth	3/31/2022 SWL	3/31/2022 SW Elev.	screen length
MW-6	926.39	32.7	19.6	906.79	10
MW-7	926.25	67.7	19.87	906.38	10
PZ-8	925.76	88.5	26.2	899.56	2.5
MW-9	867.67	36.2	15.05	852.62	15
MW-10	866.21	66.4	13.82	852.39	10
PZ-11	857.98	86.9	10.25	847.73	2.5
MW-12	861.63	18.6	4.75	856.88	10
MW-13	861.93	39.2	6.4	855.53	10
MW-14	871.53	20	2.5	869.03	10
MW-15	871.1	50.2	7	864.1	10
MW-19	851.58	25.2	8.96	842.62	10
MW-20	912.52	19.95	14.88	897.64	10
MW-21	912.74	43.2	15.45	897.29	10
MW-22	913.41	67.6	20.65	892.76	10
MW-23	859.41	37.1	18.69	840.72	10
MW-24	870.24	29.5	22.1	848.14	10
MW-25	852.02	25.2	11.41	840.61	15
MW-26	877.75	32.45	16.36	861.39	10
MW-27	810.29	27.35	8.79	801.5	10
MW-28	833.99	51.75	28.07	805.92	10
MW-29	818.85	102.55			10
MW-30	857.25	26.1			10
MW-31	856.55	76.5			10
MW-32	838.32	26.4			10
MW-33	837.98	76.25			10
MW-34	854.31	26.4			10
MW-35	853.82	76.6			10
MW-36	834.47	65.9			5
MW-37	880.34	26.15			10
MW-38	879.75	76.75			5
AW-1	818.11	16.9	2.79	815.32	10
AW-2	911.22	22.35	13.09	898.13	15
AW-3	912.46	23.35	12.38	900.08	15
AW-4	855.96	22.9	4.41	851.55	10
AW-5	833.75	21.4	2.85	830.9	10
AW-6	845.37	20	2.9	842.47	10
AW-7	907.01	25.4	8.6	898.41	15
AW-8	907.29	72.05	17.65	889.64	15
AW-9	907.49	25.45	8.19	899.3	15
AW-10	912.06	25.45	20.65	891.41	15

08/30/2022 Benton County Water Elevations

Well	TOC	Depth	8/30/2022 SWL	8/30/2022 SW Elev.	screen length
MW-6	926.39	32.7	19.96	906.43	10
MW-7	926.25	67.7	20.14	906.11	10
PZ-8	925.76	88.5	23.73	902.03	2.5
MW-9	867.67	36.2	16.82	850.85	15
MW-10	866.21	66.4	14.33	851.88	10
PZ-11	857.98	86.9	15.9	842.08	2.5
MW-12	861.63	18.6	6.46	855.17	10
MW-13	861.93	39.2	6.45	855.48	10
MW-14	871.53	20	7.5	864.03	10
MW-15	871.1	50.2	7.61	863.49	10
MW-19	851.58	25.2	10.4	841.18	10
MW-20	912.52	19.95	16.48	896.04	10
MW-21	912.74	43.2	16.58	896.16	10
MW-22	913.41	67.6	19.63	893.78	10
MW-23	859.41	37.1			10
MW-24	870.24	29.5	24.43	845.81	10
MW-25	852.02	25.2	11.88	840.14	15
MW-26	877.75	32.45	19.16	858.59	10
MW-27	810.29	27.35	11.3	798.99	10
MW-28	833.99	51.75			10
MW-29	818.85	102.55	8.13	810.72	10
MW-30	857.25	26.1			10
MW-31	856.55	76.5			10
MW-32	838.32	26.4			10
MW-33	837.98	76.25			10
MW-34	854.31	26.4			10
MW-35	853.82	76.6			10
MW-36	834.47	65.9			5
MW-37	880.34	26.15			10
MW-38	879.75	76.75			5
AW-1	818.11	16.9	12.14	805.97	10
AW-2	911.22	22.35	16.05	895.17	15
AW-3	912.46	23.35	15.55	896.91	15
AW-4	855.96	22.9	10.56	845.4	10
AW-5	833.75	21.4	9.74	824.01	10
AW-6	845.37	20	7.47	837.9	10
AW-7	907.01	25.4	12.22	894.79	15
AW-8	907.29	72.05	16.91	890.38	15
AW-9	907.49	25.45	12.61	894.88	15
AW-10	912.06	25.45	18.41	893.65	15

Well	TOC	Depth	3/30/2021 SWL	3/30/2021 SW Elev.	screen length
MW-6	926.39	32.7	10.86	915.53	10
MW-7	926.25	67.7	11.51	914.74	10
PZ-8	925.76	88.5	24.77	900.99	2.5
MW-9	867.67	36.2	12.31	855.36	15
MW-10	866.21	66.4	12.22	853.99	10
PZ-11	857.98	86.9	19.05	838.93	2.5
MW-12	861.63	18.6	3.56	858.07	10
MW-13	861.93	39.2	5.3	856.63	10
MW-14	871.53	20	2.2	869.33	10
MW-15	871.1	50.2	5.73	865.37	10
MW-19	851.58	25.2	5.44	846.14	10
MW-20	912.52	19.95	8.71	903.81	10
MW-21	912.74	43.2	8.93	903.81	10
MW-22	913.41	67.6	15.4	898.01	10
MW-23	859.41	37.1	16.2	843.21	10
MW-24	870.24	29.5	11.15	859.09	10
MW-25	852.02	25.2	10.5	841.52	15
MW-26	877.75	32.45	11.2	866.55	10
MW-27	810.29	27.35	6.9	803.39	10
MW-28	833.99	51.75	22.22	811.77	10
MW-29	818.85	102.55	7.65	811.2	10
MW-30	857.25	26.1	9.58	847.67	10
MW-31	856.55	76.5	22.55	834	10
MW-32	838.32	26.4	17.29	821.03	10
MW-33	837.98	76.25	52.82	785.16	10
MW-34	854.31	26.4	12.93	841.38	10
MW-35	853.82	76.6	63	790.82	10
MW-36	834.47	65.9	34.15	800.32	5
MW-37	880.34	26.15	8.15	872.19	10
MW-38	879.75	76.75	37.52	842.23	5
AW-1	818.11	16.9	2.82	815.29	10
AW-2	911.22	22.35	11.75	899.47	15
AW-3	912.46	23.35	10.78	901.68	15
AW-4	855.96	22.9	5.61	850.35	10
AW-5	833.75	21.4	2.95	830.8	10
AW-6	845.37	20	3	842.37	10
AW-7	907.01	25.4	8.18	898.83	15
AW-8	907.29	72.05	15.67	891.62	15
AW-9	907.49	25.45	6.18	901.31	15
AW-10	912.06	25.45	9.12	902.94	15

Well	TOC	Depth	9/8/2021 SWL	9/8/2021 SW Elev.	screen length
MW-6	926.39	32.7	20.63	905.76	10
MW-7	926.25	67.7	20.71	905.54	10
PZ-8	925.76	88.5	24.29	901.47	2.5
MW-9	867.67	36.2	16.54	851.13	15
MW-10	866.21	66.4	14.45	851.76	10
PZ-11	857.98	86.9	20.95	837.03	2.5
MW-12	861.63	18.6	7.18	854.45	10
MW-13	861.93	39.2	7.29	854.64	10
MW-14	871.53	20	8.23	863.3	10
MW-15	871.1	50.2	7.98	863.12	10
MW-19	851.58	25.2	9.23	842.35	10
MW-20	912.52	19.95	16.18	896.34	10
MW-21	912.74	43.2	16.31	896.43	10
MW-22	913.41	67.6	19.79	893.62	10
MW-23	859.41	37.1	20.18	839.23	10
MW-24	870.24	29.5	24.42	845.82	10
MW-25	852.02	25.2	12.04	839.98	15
MW-26	877.75	32.45	19.45	858.3	10
MW-27	810.29	27.35	11.89	798.4	10
MW-28	833.99	51.75			10
MW-29	818.85	102.55	7.98	810.87	10
AW-1	818.11	16.9	12.14	805.97	10
AW-2	911.22	22.35	15.22	896	15
AW-3	912.46	23.35	14.72	897.74	15
AW-4	855.96	22.9	10.45	845.51	10
AW-5	833.75	21.4	9.96	823.79	10
AW-6	845.37	20	7.23	838.14	10
AW-7	907.01	25.4	11.11	895.9	15
AW-8	907.29	72.05	18.46	888.83	15
AW-9	907.49	25.45	12.5	894.99	15
AW-10	912.06	25.45	20.8	891.26	15

05/06/2020 Benton County Water Elevations

Well	TOC	Depth	5/6/2020 SWL	5/6/2020 SW Elev.	screen length
MW-6	926.39	32.7	18.09	908.3	10
MW-7	926.25	67.7	18.1	908.15	10
PZ-8	925.76	88.5	21.02	904.74	2.5
MW-9	867.67	36.2	12.45	855.22	15
MW-10	866.21	66.4	11.42	854.79	10
PZ-11	857.98	86.9	8.75	849.23	2.5
MW-12	861.63	18.6	3.9	857.73	10
MW-13	861.93	39.2	5.18	856.75	10
MW-14	871.53	20	2.81	868.72	10
MW-15	871.1	50.2	5.17	865.93	10
MW-19	851.58	25.2	4.84	846.74	10
MW-20	912.52	19.95	11.9	900.62	10
MW-21	912.74	43.2	11.98	900.76	10
MW-22	913.41	67.6	15.4	898.01	10
MW-23	859.41	37.1	15.57	843.84	10
MW-24	870.24	29.5	18.99	851.25	10
MW-25	852.02	25.2	10.92	841.1	15
MW-26	877.75	32.45	15.7	862.05	10
MW-27	810.29	27.35	8.03	802.26	10
MW-28	833.99	51.75	24.77	809.22	10
AW-1	818.11	16.9	4.18	813.93	10
AW-2	911.22	22.35	13.64	897.58	15
AW-3	912.46	23.35	13.05	899.41	15
AW-4	855.96	22.9	3.43	852.53	10
AW-5	833.75	21.4	3.42	830.33	10
AW-6	845.37	20	3.28	842.09	10
AW-7	907.01	25.4	9.95	897.06	15
AW-8	907.29	72.05	15.25	892.04	15
AW-9	907.49	25.45	9.82	897.67	15
AW-10	912.06	25.45	13.39	898.67	15

09/03/2020 Benton County Water Elevations

Well	TOC	Depth	9/3/2020 SWL	9/3/2020 SW Elev.	screen length
MW-6	926.39	32.7	20.3	906.09	10
MW-7	926.25	67.7	20.35	905.9	10
PZ-8	925.76	88.5	22.68	903.08	2.5
MW-9	867.67	36.2	14.97	852.7	15
MW-10	866.21	66.4	13.2	853.01	10
PZ-11	857.98	86.9	15.72	842.26	2.5
MW-12	861.63	18.6	7.25	854.38	10
MW-13	861.93	39.2	6.83	855.1	10
MW-14	871.53	20	10.11	861.42	10
MW-15	871.1	50.2	7.32	863.78	10
MW-19	851.58	25.2	7.16	844.42	10
MW-20	912.52	19.95	14.67	897.85	10
MW-21	912.74	43.2	14.31	898.43	10
MW-22	913.41	67.6	17.85	895.56	10
MW-23	859.41	37.1	18.51	840.9	10
MW-24	870.24	29.5	20.16	850.08	10
MW-25	852.02	25.2	11.14	840.88	15
MW-26	877.75	32.45	19.23	858.52	10
MW-27	810.29	27.35	11.43	798.86	10
MW-28	833.99	51.75	25.45	808.54	10
AW-1	818.11	16.9	7.95	810.16	10
AW-2	911.22	22.35	15.31	895.91	15
AW-3	912.46	23.35	15.21	897.25	15
AW-4	855.96	22.9	10.1	845.86	10
AW-5	833.75	21.4	10	823.75	10
AW-6	845.37	20	7.1	838.27	10
AW-7	907.01	25.4	12.18	894.83	15
AW-8	907.29	72.05	16.7	890.59	15
AW-9	907.49	25.45	12.52	894.97	15
AW-10	912.06	25.45	16.96	895.1	15

04/01/2019 Benton County Water Elevations

Well	TOC	Depth	4/1/2019 SWL	4/1/2019 SW Elev.	screen length
MW-6	926.39	32.7	14.32	912.07	10
MW-7	926.25	67.7	14.52	911.73	10
PZ-8	925.76	88.5	21.86	903.9	2.5
MW-9	867.67	36.2	11.4	856.27	15
MW-10	866.21	66.4	11.39	854.82	10
PZ-11	857.98	86.9	3.35	854.63	2.5
MW-12	861.63	18.6	3.71	857.92	10
MW-13	861.93	39.2	5.27	856.66	10
MW-14	871.53	20	2.3	869.23	10
MW-15	871.1	50.2	5.24	865.86	10
MW-19	851.58	25.2	5.8	845.78	10
MW-20	912.52	19.95	8.35	904.17	10
MW-21	912.74	43.2	8.46	904.28	10
MW-22	913.41	67.6	13.95	899.46	10
MW-23	859.41	37.1	15.17	844.24	10
MW-24	870.24	29.5	17.27	852.97	10
MW-25	852.02	25.2	11.59	840.43	15
MW-26	877.75	32.45	12.63	865.12	10
MW-27	810.29	27.35	7.8	802.49	10
MW-28	833.99	51.75	25.38	808.61	10
AW-1	818.11	16.9	3.83	814.28	10
AW-2	911.22	22.35	10.44	900.78	15
AW-3	912.46	23.35	10.78	901.68	15
AW-4	855.96	22.9		855.96	10
AW-5	833.75	21.4	3.27	830.48	10
AW-6	845.37	20	3.08	842.29	10
AW-7	907.01	25.4	8.8	898.21	15
AW-8	907.29	72.05	14.67	892.62	15
AW-9	907.49	25.45	4.19	903.3	15
AW-10	912.06	25.45	9.49	902.57	15

09/12/2019 Benton County Water Elevations

Well	TOC	Depth	9/12/2019 SWL	9/12/2019 SW Elev.	screen length
MW-6	926.39	32.7	16.47	909.92	10
MW-7	926.25	67.7	16.75	909.5	10
PZ-8	925.76	88.5	20.81	904.95	2.5
MW-9	867.67	36.2	12.41	855.26	15
MW-10	866.21	66.4	12.64	853.57	10
PZ-11	857.98	86.9	11.35	846.63	2.5
MW-12	861.63	18.6	6.48	855.15	10
MW-13	861.93	39.2	6.21	855.72	10
MW-14	871.53	20	7.11	864.42	10
MW-15	871.1	50.2	6.51	864.59	10
MW-19	851.58	25.2	7.03	844.55	10
MW-20	912.52	19.95	12.2	900.32	10
MW-21	912.74	43.2	12.31	900.43	10
MW-22	913.41	67.6	15.92	897.49	10
MW-23	859.41	37.1	16.03	843.38	10
MW-24	870.24	29.5	11	859.24	10
MW-25	852.02	25.2	10.98	841.04	15
MW-26	877.75	32.45	17.76	859.99	10
MW-27	810.29	27.35	8.22	802.07	10
MW-28	833.99	51.75		833.99	10
AW-1	818.11	16.9	10.72	807.39	10
AW-2	911.22	22.35	12.12	899.1	15
AW-3	912.46	23.35	11.92	900.54	15
AW-4	855.96	22.9	7.9	848.06	10
AW-5	833.75	21.4		833.75	10
AW-6	845.37	20	4.9	840.47	10
AW-7	907.01	25.4	8.89	898.12	15
AW-8	907.29	72.05	15.65	891.64	15
AW-9	907.49	25.45	7.76	899.73	15
AW-10	912.06	25.45	14.44	897.62	15

09/2016 Benton County Water Elevations

Well	TOC	Depth	9/15/2016 SWL	9/15/2016 SW Elev.	screen length
MW-6	926.39	32.7	13.45	912.94	10
MW-7	926.25	67.7	17.99	908.26	10
PZ-8	925.76	88.5	24.72	901.04	2.5
MW-9	867.67	36.2	13.87	853.8	15
MW-10	866.21	66.4	7.03	859.18	10
PZ-11	857.98	86.9	6.16	851.82	2.5
MW-12	861.63	18.6	4.8	856.83	10
MW-13	861.93	39.2	5.3	856.63	10
MW-14	871.53	20	2.15	869.38	10
MW-15	871.1	50.2	6.85	864.25	10
MW-19	851.58	25.2	6.04	845.54	10
MW-20	912.52	19.95	8.86	903.66	10
MW-21	912.74	43.2	9.3	903.44	10
MW-22	913.41	67.6	17.15	896.26	10
MW-23	859.41	37.1	17.85	841.56	10
MW-24	870.24	29.5	19.2	851.04	10
MW-25	852.02	25.2	11.56	840.46	15
MW-26	877.75	32.45	16.92	860.83	10
MW-27	810.29	27.35	8.76	801.53	10
MW-28	833.99	51.75	26.15	807.84	10
AW-1	818.11	16.9	7.01	811.1	10
AW-2	911.22	22.35	9.93	901.29	15
AW-3	912.46	23.35	10.12	902.34	15
AW-4	855.96	22.9	5.45	850.51	10
AW-5	833.75	21.4	3.6	830.15	10
AW-6	845.37	20	3.11	842.26	10
AW-7	907.01	25.4	5.77	901.24	15
AW-8	907.29	72.05	15.6	891.69	15
AW-9	907.49	25.45	5.76	901.73	15
AW-10	912.06	25.45	12.45	899.61	15

Table 5 – Background and GWPS Summary (Interwell)

Table 5
Background and GWPS Summary
Annual Water Quality Report
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Interwell Background/(MW-6, MW-7, MW-26, MW-27, and MW-28)

Inorganics - Appendix I										
Constituent	Units	Model Type	Samples - N	Detections	Mean	SD	Prediction Limit	Confidence	GWPS	Source
Antimony (Sb)	µg/l	nonparametric	89	0			2.0000	0.99	6	SS
Arsenic (As)	µg/l	nonparametric	87	17			51.3000	0.99	51.3000	Site
Barium (Ba)	µg/l	nonparametric	90	90			569.0000	0.99	2000	SS
Beryllium (Be)	µg/l	nonparametric	86	0			4.0000	0.99	4	SS
Cadmium (Cd)	µg/l	nonparametric	86	2			1.0000	0.99	5	SS
Chromium (Cr)	µg/l	nonparametric	83	2			16.5000	0.99	100	SS
Cobalt (Co)	µg/l	nonparametric	85	30			12.2000	0.99	12.2000	Site
Copper (Cu)	µg/l	nonparametric	83	6			10.6000	0.99	1300	SS
Lead (Pb)	µg/l	nonparametric	84	6			6.8000	0.99	15	SS
Nickel (Ni)	µg/l	nonparametric	86	19			43.5000	0.99	100	SS
Selenium (Se)	µg/l	nonparametric	88	0			4.0000	0.99	50	SS
Silver (Ag)	µg/l	nonparametric	85	0			4.0000	0.99	100	SS
Thallium (Tl)	µg/l	nonparametric	86	0			2.0000	0.99	2	SS
Vanadium (V)	µg/l	nonparametric	84	2			26.5000	0.99	35	SS
Zinc (Zn)	µg/l	nonparametric	90	19			69.0000	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	90	0	<1	<1	<1	<1	various	SS

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

Table 5A – Background and GWPS Summary (Intrawell)

Table 5A
Background and GWPS Summary - IntraWell Statistics
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See Attached

Table 5A

**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	AW-1	11	4	15			2.0000	1.0000			6.0000	nonpar	.99	**
Arsenic, total	ug/L	AW-1	12	4	17			4.0000	2.0000			3.8100	nonpar	.99	**
Barium, total	ug/L	AW-1	10	4	16	154.6000	25.2991	167.0000	356.0000	154.6000	330.7009	319.0441	normal		
Beryllium, total	ug/L	AW-1	11	4	15			4.0000	0.5000			2.5700	nonpar	.99	**
Cadmium, total	ug/L	AW-1	9	4	15			0.8000	0.2000			0.5000	nonpar	.99	**
Chromium, total	ug/L	AW-1	10	4	15			8.0000	1.0000			20.0000	nonpar	.99	**
Cobalt, total	ug/L	AW-1	13	4	17			0.4000	4.9000			20.0000	nonpar	.99	**
Copper, total	ug/L	AW-1	11	4	15			4.0000	5.0000			49.9000	nonpar	.99	**
Lead, total	ug/L	AW-1	10	4	16			4.0000	1.0000			4.7300	nonpar	.99	**
Nickel, total	ug/L	AW-1	11	4	15			4.0000	5.0000			50.0000	nonpar	.99	**
Selenium, total	ug/L	AW-1	11	5	16			5.4000	2.0000			10.4000	nonpar	.99	**
Silver, total	ug/L	AW-1	11	4	15			4.0000	5.0000			20.0000	nonpar	.99	**
Thallium, total	ug/L	AW-1	11	4	15			2.0000	0.5000			2.0000	nonpar	.99	**
Vanadium, total	ug/L	AW-1	11	4	15			20.0000	2.0000			50.0000	nonpar	.99	**
Zinc, total	ug/L	AW-1	11	4	15	34.6818	23.5967	20.0000	10.7000	34.6818	34.6818	188.0603	normal		
Antimony, total	ug/L	GU-L	2	0	2										*
Arsenic, total	ug/L	GU-L	2	0	2										*
Barium, total	ug/L	GU-L	2	0	2										*
Beryllium, total	ug/L	GU-L	2	0	2										*
Cadmium, total	ug/L	GU-L	2	0	2										*
Chromium, total	ug/L	GU-L	2	0	2										*
Cobalt, total	ug/L	GU-L	2	0	2										*
Copper, total	ug/L	GU-L	2	0	2										*
Lead, total	ug/L	GU-L	2	0	2										*
Nickel, total	ug/L	GU-L	2	0	2										*
Selenium, total	ug/L	GU-L	2	0	2										*
Silver, total	ug/L	GU-L	2	0	2										*
Thallium, total	ug/L	GU-L	2	0	2										*
Vanadium, total	ug/L	GU-L	2	0	2										*
Zinc, total	ug/L	GU-L	2	0	2										*
Antimony, total	ug/L	MW-24	17	6	32			2.0000	1.0000			2.0000	nonpar	.99	**
Arsenic, total	ug/L	MW-24	17	6	32	23.2471	22.4453	22.0000	5.5000	23.2471	23.2471	169.1415	normal		
Barium, total	ug/L	MW-24	17	6	32	340.0529	181.2577	559.0000	419.0000	549.0605	492.0643	1518.2280	normal		
Beryllium, total	ug/L	MW-24	17	6	32			4.0000	0.5000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	MW-24	17	6	32			0.8000	0.2000			0.8000	nonpar	.99	**
Chromium, total	ug/L	MW-24	17	6	32			8.0000	1.6000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	MW-24	17	6	32	8.1549	6.8788	6.6000	9.2000	8.1549	8.1549	52.8671	normal		
Copper, total	ug/L	MW-24	17	6	32			4.0000	5.0000			10.7000	nonpar	.99	**
Lead, total	ug/L	MW-24	16	6	32	4.7394	1.7106	4.0000	1.0000	4.7394	4.7394	15.8581	normal		
Nickel, total	ug/L	MW-24	17	6	32	22.1647	18.9039	17.5000	31.8000	22.1647	22.1647	145.0398	normal		
Selenium, total	ug/L	MW-24	17	6	32			4.0000	2.0000			4.0000	nonpar	.99	**
Silver, total	ug/L	MW-24	13	6	32			4.0000	5.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	MW-24	17	6	32			2.0000	0.5000			2.0000	nonpar	.99	**
Vanadium, total	ug/L	MW-24	16	6	32			20.0000	2.0000			23.4000	nonpar	.99	**
Zinc, total	ug/L	MW-24	17	6	32	29.0176	23.4229	20.0000	18.9000	29.0176	29.0176	181.2667	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 of two verification resamples (nonparametric test only).

* - Insufficient Data.

** - Detection Frequency < 25%.

*** - Zero Variance.

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
AW-2	arsenic	3/6/2025	68.7	51.3	51.3	Corrective Action - Point of Compliance
AW-3	1,4-dichlorobenzene	3/6/2025	3.0	1.0	75	Assessment Monitoring Well
AW-3	1,4-dichlorobenzene	9/16/2025	3.1	1.0	75	Assessment Monitoring Well
AW-3	2-butanone (MEK)	3/6/2025	144.0	10.0	4000	Assessment Monitoring Well
AW-3	chloroethane	3/6/2025	1.4	1.0	2800	Assessment Monitoring Well
AW-3	chloroethane	9/16/2025	3.0	1.0	2800	Assessment Monitoring Well
AW-3	cis-1,2-DCE	9/16/2025	1.2	1.0	70	Assessment Monitoring Well
MW 20	1,4-dichlorobenzene	3/6/2025	2.5	1.0	75	Assessment Monitoring Well
MW 20	1,4-dichlorobenzene	9/16/2025	3.8	1.0	75	Assessment Monitoring Well
MW 20	acetone	3/6/2025	93.9	10.0	6300	Assessment Monitoring Well
MW 20	benzene	3/6/2025	1.9	1.0	5	Assessment Monitoring Well
MW 20	benzene	9/16/2025	3.8	1.0	5	Assessment Monitoring Well
MW 20	chlorobenzene	3/6/2025	2.7	1.0	100	Assessment Monitoring Well
MW 20	chlorobenzene	9/16/2025	5.8	1.0	100	Assessment Monitoring Well

Table 7 – Summary of Ongoing and Newly Identified SSI

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Benton County Sanitary Landfill
Permit No. 06-SDP-02-81P

KEY:
SSI
SSL LCL>GWPS

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

Monitoring							SSI		
Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	Initial Exceedance	Resamples Due	5th Background Sample
AW-2	Arsenic	9/12/2018	46.8	43.9	38.675	51.3	N/A	N/A	9/3/2020
AW-2	Arsenic	4/1/2019	66.6	51.3	44.356	51.3	N/A	N/A	9/3/2020
AW-2	Arsenic	9/12/2019	62.9	51.3	45.328	51.3	N/A	N/A	9/3/2020
AW-2	Arsenic	5/6/2020	69.2	51.3	49.548	51.3	N/A	N/A	9/3/2020
AW-2	Arsenic	9/3/2020	55.7	51.3	56.699	51.3	N/A	N/A	9/3/2020
AW-2	Arsenic	3/30/2021	38.3	51.3	40.829	51.3	N/A	N/A	9/3/2020
AW-2	Arsenic	9/8/2021	26.4	51.3	25.206	51.3	N/A	N/A	9/3/2020
AW-2	Arsenic	3/31/2022	26.7	51.3	20.566	51.3	N/A	N/A	9/3/2020
AW-2	Arsenic	8/30/2022	41.7	51.3	23.995	51.3	N/A	N/A	9/3/2020
AW-2	Arsenic	3/7/2023	40.5	51.3	23.926	51.3	N/A	N/A	9/3/2020
AW-2	Arsenic	9/28/2023	36.4	51.3	28.319	51.3	N/A	N/A	9/3/2020
AW-2	Arsenic	3/11/2024	27.7	51.3	29.121	51.3	N/A	N/A	9/3/2020
AW-2	Arsenic	10/2/2024	48.1	51.3	28.176	51.3	N/A	N/A	9/3/2020
AW-2	Arsenic	3/6/2025	36.1	51.3	27.214	51.3	N/A	N/A	9/3/2020
AW-2	Arsenic	9/16/2025	68.7	51.3	24.221	51.3	N/A	N/A	9/3/2020

Table 7

KEY:

SSI

SSL LCL>GWPS

Summary of Ongoing & Newly Identified SSI

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

Annual Water Quality Report

Benton County Sanitary Landfill

Permit No. 06-SDP-02-81P

Monitoring							SSI		
Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	Initial Exceedance	Resamples Due	5th Background Sample
AW-2	Cobalt	9/12/2018	10.1	7.43	8.620	12.2	N/A	N/A	9/3/2020
AW-2	Cobalt	4/1/2019	9.6	7.43	5.587	12.2	N/A	N/A	9/3/2020
AW-2	Cobalt	9/12/2019	10.1	7.43	3.753	12.2	N/A	N/A	9/3/2020
AW-2	Cobalt	5/6/2020	7.7	5.9	8.003	12.2	N/A	N/A	9/3/2020
AW-2	Cobalt	9/3/2020	10.6	5.9	8.009	12.2	N/A	N/A	9/3/2020
AW-2	Cobalt	3/30/2021	8.8	12.2	7.760	12.2	N/A	N/A	9/3/2020
AW-2	Cobalt	9/8/2021	<4.0	12.2	7.758	12.2	N/A	N/A	9/3/2020
AW-2	Cobalt	3/31/2022	8.9	12.2	8.548	12.2	N/A	N/A	9/3/2020
AW-2	Cobalt	8/30/2022	12	12.2	8.177	12.2	N/A	N/A	9/3/2020
AW-2	Cobalt	3/7/2023	12.5	12.2	8.862	12.2	N/A	N/A	9/3/2020
AW-2	Cobalt	9/28/2023	5.4	12.2	5.834	12.2	N/A	N/A	9/3/2020
AW-2	Cobalt	3/11/2024	14.2	12.2	6.477	12.2	N/A	N/A	9/3/2020
AW-2	Cobalt	10/2/2024	13.1	12.2	6.600	12.2	N/A	N/A	9/3/2020
AW-2	Cobalt	3/6/2025	10.3	12.2	6.131	12.2	N/A	N/A	9/3/2020
AW-2	Cobalt	9/16/2025	8.8	12.2	8.676	12.2	N/A	N/A	9/3/2020

Table 7
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Note: The absence of shading indicates that the condition does not exist.

Monitoring		Sample	Each	Prediction		GWPS	SSI	Resamples	5th Background
Well	Compound	Date	Result (ug/L)	Limit (ug/L)	95% LCL (ug/L)	Limit (ug/L)	Initial Exceedance	Due	Sample
AW-2	2-Butanone	9/12/2018	<5	5.0	2.500	6,300	N/A	N/A	9/3/2020
AW-2	2-Butanone	4/1/2019	<5	5.0	2.500	6,300	N/A	N/A	9/3/2020
AW-2	2-Butanone	9/12/2019	<5	5.0	2.500	6,300	N/A	N/A	9/3/2020
AW-2	2-Butanone	5/6/2020	<5	5.0	2.500	6,300	N/A	N/A	9/3/2020
AW-2	2-Butanone	9/3/2020	<5	5.0	2.500	6,300	N/A	N/A	9/3/2020
AW-2	2-Butanone	3/30/2021	<5	5.0	2.500	6,300	N/A	N/A	9/3/2020
AW-2	2-Butanone	9/8/2021	8.5	5.0	0.471	6,300	N/A	N/A	9/3/2020
AW-2	2-Butanone	3/31/2022	<5	5.0	0.471	6,300	N/A	N/A	9/3/2020
AW-2	2-Butanone	8/30/2022	<5	5.0	0.471	6,300	N/A	N/A	9/3/2020
AW-2	2-Butanone	3/7/2023	<5	5.0	0.471	6,300	N/A	N/A	9/3/2020
AW-2	2-Butanone	9/28/2023	<5	5.0	2.500	6,300	N/A	N/A	9/3/2020
AW-2	2-Butanone	3/11/2024	<5	5.0	2.500	6,300	N/A	N/A	9/3/2020
AW-2	2-Butanone	10/2/2024	<5	5.0	2.500	6,300	N/A	N/A	9/3/2020
AW-2	2-Butanone	3/6/2025	<5	5.0	2.500	6,300	N/A	N/A	9/3/2020
AW-2	2-Butanone	9/16/2025	<5	5.0	2.500	6,300	N/A	N/A	9/3/2020

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Monitoring		Sample	Each	Prediction		GWPS	SSI	Resamples	5th Background
Well	Compound	Date	Result (ug/L)	Limit (ug/L)	95% LCL (ug/L)	Limit (ug/L)	Initial Exceedance	Due	Sample
AW-2	Acetone	9/12/2018	<10	10.0	5.000	6,300	N/A	N/A	9/3/2020
AW-2	Acetone	4/1/2019	<10	10.0	5.000	6,300	N/A	N/A	9/3/2020
AW-2	Acetone	9/12/2019	<10	10.0	5.000	6,300	N/A	N/A	9/3/2020
AW-2	Acetone	5/6/2020	<10	10.0	5.000	6,300	N/A	N/A	9/3/2020
AW-2	Acetone	9/3/2020	<10	10.0	5.000	6,300	N/A	N/A	9/3/2020
AW-2	Acetone	3/30/2021	<10	10.0	5.000	6,300	N/A	N/A	9/3/2020
AW-2	Acetone	9/8/2021	138	10.0	0.000	6,300	N/A	N/A	9/3/2020
AW-2	Acetone	3/31/2022	<10	10.0	0.000	6,300	N/A	N/A	9/3/2020
AW-2	Acetone	8/30/2022	<10	10.0	0.000	6,300	N/A	N/A	9/3/2020
AW-2	Acetone	3/7/2023	<10	10.0	0.000	6,300	N/A	N/A	9/3/2020
AW-2	Acetone	9/28/2023	<10	10.0	5.000	6,300	N/A	N/A	9/3/2020
AW-2	Acetone	3/11/2024	<10	10.0	5.000	6,300	N/A	N/A	9/3/2020
AW-2	Acetone	10/2/2024	<10	10.0	5.000	6,300	N/A	N/A	9/3/2020
AW-2	Acetone	3/6/2025	<10	10.0	5.000	6,300	N/A	N/A	9/3/2020
AW-2	Acetone	9/16/2025	<10	10.0	5.000	6,300	N/A	N/A	9/3/2020

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Monitoring		Sample	Each	Prediction		GWPS	SSI	Resamples	5th Background
Well	Compound	Date	Result (ug/L)	Limit (ug/L)	95% LCL (ug/L)	Limit (ug/L)	Initial Exceedance	Due	Sample
AW-2	Benzene	9/16/2016	<1.0	1.0	0.500	5	N/A	N/A	9/3/2020
AW-2	Benzene	3/15/2017	<1.0	1.0	0.500	5	N/A	N/A	9/3/2020
AW-2	Benzene	9/27/2017	<1.0	1.0	0.500	5	N/A	N/A	9/3/2020
AW-2	Benzene	3/14/2018	<1.0	1.0	0.500	5	N/A	N/A	9/3/2020
AW-2	Benzene	9/12/2018	1.0	1.0	0.331	5	N/A	N/A	9/3/2020
AW-2	Benzene	4/1/2019	<1.0	1.0	0.331	5	N/A	N/A	9/3/2020
AW-2	Benzene	9/12/2019	<1.0	1.0	0.331	5	N/A	N/A	9/3/2020
AW-2	Benzene	5/6/2020	<1.0	1.0	0.331	5	N/A	N/A	9/3/2020
AW-2	Benzene	9/3/2020	<1.0	1.0	0.500	5	N/A	N/A	9/3/2020
AW-2	Benzene	3/30/2021	<1.0	1.0	0.500	5	N/A	N/A	9/3/2020
AW-2	Benzene	9/8/2021	1.4	1.0	0.196	5	N/A	N/A	9/3/2020
AW-2	Benzene	3/31/2022	<1.0	1.0	0.196	5	N/A	N/A	9/3/2020
AW-2	Benzene	8/30/2022	<1.0	1.0	0.196	5	N/A	N/A	9/3/2020
AW-2	Benzene	3/7/2023	<1.0	1.0	0.196	5	N/A	N/A	9/3/2020
AW-2	Benzene	9/28/2023	<1.0	1.0	0.500	5	N/A	N/A	9/3/2020
AW-2	Benzene	3/11/2024	<1.0	1.0	0.500	5	N/A	N/A	9/3/2020
AW-2	Benzene	10/2/2024	<1.0	1.0	0.500	5	N/A	N/A	9/3/2020
AW-2	Benzene	3/6/2025	<1.0	1.0	0.500	5	N/A	N/A	9/3/2020
AW-2	Benzene	9/16/2025	<1.0	1.0	0.500	5	N/A	N/A	9/3/2020

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Summary of Ongoing & Newly Identified SSI

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

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Monitoring		Sample	Each	Prediction		GWPS	SSI	Resamples	5th Background
Well	Compound	Date	Result (ug/L)	Limit (ug/L)	95% LCL (ug/L)	Limit (ug/L)	Initial Exceedance	Due	Sample
AW-2	Chloroethane	9/12/2018	<1.0	1.0	0.500	2,800	N/A	N/A	9/3/2020
AW-2	Chloroethane	4/1/2019	<1.0	1.0	0.500	2,800	N/A	N/A	9/3/2020
AW-2	Chloroethane	9/12/2019	<1.0	1.0	0.500	2,800	N/A	N/A	9/3/2020
AW-2	Chloroethane	5/6/2020	<1.0	1.0	0.500	2,800	N/A	N/A	9/3/2020
AW-2	Chloroethane	9/3/2020	<1.0	1.0	0.500	2,800	N/A	N/A	9/3/2020
AW-2	Chloroethane	3/30/2021	<1.0	1.0	0.500	2,800	N/A	N/A	9/3/2020
AW-2	Chloroethane	9/8/2021	1.0	1.0	0.331	2,800	N/A	N/A	9/3/2020
AW-2	Chloroethane	3/31/2022	<1.0	1.0	0.331	2,800	N/A	N/A	9/3/2020
AW-2	Chloroethane	8/30/2022	<1.0	1.0	0.331	2,800	N/A	N/A	9/3/2020
AW-2	Chloroethane	3/7/2023	<1.0	1.0	0.331	2,800	N/A	N/A	9/3/2020
AW-2	Chloroethane	9/28/2023	<1.0	1.0	0.500	2,800	N/A	N/A	9/3/2020
AW-2	Chloroethane	3/11/2024	<1.0	1.0	0.500	2,800	N/A	N/A	9/3/2020
AW-2	Chloroethane	10/2/2024	<1.0	1.0	0.500	2,800	N/A	N/A	9/3/2020
AW-2	Chloroethane	3/6/2025	<1.0	1.0	0.500	2,800	N/A	N/A	9/3/2020
AW-2	Chloroethane	9/16/2025	<1.0	1.0	0.500	2,800	N/A	N/A	9/3/2020

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

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
AW-3	Arsenic	9/12/2018	45.4	43.9	18.595	51.3	N/A	N/A	9/3/2020
AW-3	Arsenic	4/1/2019	10.5	51.3	8.201	51.3	N/A	N/A	9/3/2020
AW-3	Arsenic	9/12/2019	34	51.3	14.105	51.3	N/A	N/A	9/3/2020
AW-3	Arsenic	5/6/2020	25.3	51.3	11.489	51.3	N/A	N/A	9/3/2020
AW-3	Arsenic	9/3/2020	41.8	51.3	12.119	51.3	N/A	N/A	9/3/2020
AW-3	Arsenic	3/30/2021	11	51.3	12.498	51.3	N/A	N/A	9/3/2020
AW-3	Arsenic	9/8/2021	50.8	51.3	11.457	51.3	N/A	N/A	9/3/2020
AW-3	Arsenic	3/31/2022	35.6	51.3	14.745	51.3	N/A	N/A	9/3/2020
AW-3	Arsenic	8/30/2022	87.6	51.3	8.520	51.3	N/A	N/A	9/3/2020
AW-3	Arsenic	3/7/2023	11.1	51.3	8.588	51.3	N/A	N/A	9/3/2020
AW-3	Arsenic	9/28/2023	38.3	51.3	5.438	51.3	N/A	N/A	9/3/2020
AW-3	Arsenic	3/11/2024	40.9	51.3	7.125	51.3	N/A	N/A	9/3/2020
AW-3	Arsenic	10/2/2024	25.1	51.3	12.727	51.3	N/A	N/A	9/3/2020
AW-3	Arsenic	3/6/2025	17.8	51.3	17.649	51.3	N/A	N/A	9/3/2020
AW-3	Arsenic	9/16/2025	36.3	51.3	17.663	51.3	N/A	N/A	9/3/2020

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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
AW-3	1,1-dichloroethane	9/16/2016	1.2	1.0	0.382	140	3/15/2017	N/A	9/12/2018
AW-3	1,1-dichloroethane	3/15/2017	2.5	1.0	0.305	140	3/15/2017	N/A	9/12/2018
AW-3	1,1-dichloroethane	9/27/2017	1.6	1.0	0.804	140	3/15/2017	N/A	9/12/2018
AW-3	1,1-dichloroethane	3/14/2018	<1.0	1.0	0.468	140	3/15/2017	N/A	9/12/2018
AW-3	1,1-dichloroethane	9/12/2018	<1.0	1.0	0.137	140	3/15/2017	N/A	9/12/2018
AW-3	1,1-dichloroethane	4/1/2019	<1.0	1.0	0.128	140	3/15/2017	N/A	9/12/2018
AW-3	1,1-dichloroethane	9/12/2019	<1.0	1.0	0.500	140	3/15/2017	N/A	9/12/2018
AW-3	1,1-dichloroethane	5/6/2020	<1.0	1.0	0.500	140	3/15/2017	N/A	9/12/2018
AW-3	1,1-dichloroethane	9/3/2020	<1.0	1.0	0.500	140	3/15/2017	N/A	9/12/2018
AW-3	1,1-dichloroethane	3/30/2021	<1.0	1.0	0.500	140	3/15/2017	N/A	9/12/2018
AW-3	1,1-dichloroethane	9/8/2021	<1.0	1.0	0.500	140	3/15/2017	N/A	9/12/2018
AW-3	1,1-dichloroethane	3/31/2022	<1.0	1.0	0.500	140	3/15/2017	N/A	9/12/2018
AW-3	1,1-dichloroethane	8/30/2022	<1.0	1.0	0.500	140	3/15/2017	N/A	9/12/2018
AW-3	1,1-dichloroethane	3/7/2023	<1.0	1.0	0.500	140	3/15/2017	N/A	9/12/2018
AW-3	1,1-dichloroethane	9/28/2023	<1.0	1.0	0.500	140	3/15/2017	N/A	9/12/2018
AW-3	1,1-dichloroethane	3/11/2024	<1.0	1.0	0.500	140	3/15/2017	N/A	9/12/2018
AW-3	1,1-dichloroethane	10/2/2024	<1.0	1.0	0.500	140	3/15/2017	N/A	9/12/2018
AW-3	1,1-dichloroethane	3/6/2025	<1.0	1.0	0.500	140	3/15/2017	N/A	9/12/2018
AW-3	1,1-dichloroethane	9/16/2025	<1.0	1.0	0.500	140	3/15/2017	N/A	9/12/2018

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
AW-3	1,4-dichlorobenzene	9/16/2016	1.9	1.0	0.027	75	3/14/2018	N/A	9/12/2018
AW-3	1,4-dichlorobenzene	3/15/2017	<1.0	1.0	0.027	75	3/14/2018	N/A	9/12/2018
AW-3	1,4-dichlorobenzene	9/27/2017	1.1	1.0	0.220	75	3/14/2018	N/A	9/12/2018
AW-3	1,4-dichlorobenzene	3/14/2018	3.5	1.0	0.221	75	3/14/2018	N/A	9/12/2018
AW-3	1,4-dichlorobenzene	9/12/2018	4.0	1.0	0.237	75	3/14/2018	N/A	9/12/2018
AW-3	1,4-dichlorobenzene	4/1/2019	2.6	1.0	1.303	75	3/14/2018	N/A	9/12/2018
AW-3	1,4-dichlorobenzene	9/12/2019	<1.0	1.0	0.832	75	3/14/2018	N/A	9/12/2018
AW-3	1,4-dichlorobenzene	5/6/2020	2.2	1.0	0.630	75	3/14/2018	N/A	9/12/2018
AW-3	1,4-dichlorobenzene	9/3/2020	2.0	1.0	0.745	75	3/14/2018	N/A	9/12/2018
AW-3	1,4-dichlorobenzene	3/30/2021	2.8	1.0	0.725	75	3/14/2018	N/A	9/12/2018
AW-3	1,4-dichlorobenzene	9/8/2021	3.8	1.0	1.749	75	3/14/2018	N/A	9/12/2018
AW-3	1,4-dichlorobenzene	3/31/2022	2.3	1.0	1.797	75	3/14/2018	N/A	9/12/2018
AW-3	1,4-dichlorobenzene	8/30/2022	2.2	1.0	1.914	75	3/14/2018	N/A	9/12/2018
AW-3	1,4-dichlorobenzene	3/7/2023	2.7	1.0	1.888	75	3/14/2018	N/A	9/12/2018
AW-3	1,4-dichlorobenzene	9/28/2023	3.4	1.0	2.009	75	3/14/2018	N/A	9/12/2018
AW-3	1,4-dichlorobenzene	3/11/2024	3.2	1.0	2.242	75	3/14/2018	N/A	9/12/2018
AW-3	1,4-dichlorobenzene	10/2/2024	2.8	1.0	2.636	75	3/14/2018	N/A	9/12/2018
AW-3	1,4-dichlorobenzene	3/6/2025	3.0	1.0	2.796	75	3/14/2018	N/A	9/12/2018
AW-3	1,4-dichlorobenzene	9/16/2025	3.1	1.0	2.824	75	3/14/2018	N/A	9/12/2018

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
AW-3	2-butanone (MEK)	9/16/2016	<5.0	5.0	0.500	4,000.00	N/A	N/A	9/12/2018
AW-3	2-butanone (MEK)	3/15/2017	<5.0	5.0	0.500	4,000.00	N/A	N/A	9/12/2018
AW-3	2-butanone (MEK)	9/27/2017	<5.0	5.0	0.500	4,000.00	N/A	N/A	9/12/2018
AW-3	2-butanone (MEK)	3/14/2018	<5.0	5.0	0.500	4,000.00	N/A	N/A	9/12/2018
AW-3	2-butanone (MEK)	9/12/2018	6.0	5.0	1.316	4,000.00	N/A	N/A	9/12/2018
AW-3	2-butanone (MEK)	4/1/2019	<5.0	5.0	1.316	4,000.00	N/A	N/A	9/12/2018
AW-3	2-butanone (MEK)	9/12/2019	<5.0	5.0	1.316	4,000.00	N/A	N/A	9/12/2018
AW-3	2-butanone (MEK)	5/6/2020	<5.0	5.0	1.316	4,000.00	N/A	N/A	9/12/2018
AW-3	2-butanone (MEK)	9/3/2020	<5.0	5.0	2.500	4,000.00	N/A	N/A	9/12/2018
AW-3	2-butanone (MEK)	3/30/2021	<5.0	5.0	2.500	4,000.00	N/A	N/A	9/12/2018
AW-3	2-butanone (MEK)	9/8/2021	<5.0	5.0	2.500	4,000.00	N/A	N/A	9/12/2018
AW-3	2-butanone (MEK)	3/31/2022	<5.0	5.0	2.500	4,000.00	N/A	N/A	9/12/2018
AW-3	2-butanone (MEK)	8/30/2022	<5.0	5.0	2.500	4,000.00	N/A	N/A	9/12/2018
AW-3	2-butanone (MEK)	3/7/2023	<5.0	5.0	2.500	4,000.00	N/A	N/A	9/12/2018
AW-3	2-butanone (MEK)	9/28/2023	<10	10.0	2.500	4,000.00	N/A	N/A	9/12/2018
AW-3	2-butanone (MEK)	3/11/2024	<10	10.0	2.500	4,000.00	N/A	N/A	9/12/2018
AW-3	2-butanone (MEK)	10/2/2024	<10	10.0	2.500	4,000.00	N/A	N/A	9/12/2018
AW-3	2-butanone (MEK)	3/6/2025	144.0	10.0	0.000	4,000.00	N/A	N/A	9/12/2018
AW-3	2-butanone (MEK)	9/16/2025	<10	10.0	0.000	4,000.00	N/A	N/A	9/12/2018

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
AW-3	Acetone	9/16/2016	<10.0	10	5.000	6,300.00	N/A	N/A	9/12/2018
AW-3	Acetone	3/15/2017	<10.0	10	5.000	6,300.00	N/A	N/A	9/12/2018
AW-3	Acetone	9/27/2017	<10.0	10	5.000	6,300.00	N/A	N/A	9/12/2018
AW-3	Acetone	3/14/2018	<10.0	10	5.000	6,300.00	N/A	N/A	9/12/2018
AW-3	Acetone	9/12/2018	<10.0	10	5.000	6,300.00	N/A	N/A	9/12/2018
AW-3	Acetone	4/1/2019	<10.0	10	5.000	6,300.00	N/A	N/A	9/12/2018
AW-3	Acetone	9/12/2019	11.4	10	2.836	6,300.00	N/A	N/A	9/12/2018
AW-3	Acetone	5/6/2020	<10.0	10	2.836	6,300.00	N/A	N/A	9/12/2018
AW-3	Acetone	9/3/2020	<10.0	10	2.836	6,300.00	N/A	N/A	9/12/2018
AW-3	Acetone	3/30/2021	<10.0	10	2.836	6,300.00	N/A	N/A	9/12/2018
AW-3	Acetone	9/8/2021	<10.0	10	5.000	6,300.00	N/A	N/A	9/12/2018
AW-3	Acetone	3/31/2022	<10.0	10	5.000	6,300.00	N/A	N/A	9/12/2018
AW-3	Acetone	8/30/2022	<10.0	10	5.000	6,300.00	N/A	N/A	9/12/2018
AW-3	Acetone	3/7/2023	<10.0	10	5.000	6,300.00	N/A	N/A	9/12/2018
AW-3	Acetone	9/28/2023	<10.0	10	5.000	6,300.00	N/A	N/A	9/12/2018
AW-3	Acetone	3/11/2024	<10.0	10	5.000	6,300.00	N/A	N/A	9/12/2018
AW-3	Acetone	10/2/2024	<10.0	10	5.000	6,300.00	N/A	N/A	9/12/2018
AW-3	Acetone	3/6/2025	<10.0	10	5.000	6,300.00	N/A	N/A	9/12/2018
AW-3	Acetone	9/16/2025	<10.0	10	5.000	6,300.00	N/A	N/A	9/12/2018

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
AW-3	Benzene	9/16/2016	1.0	1.0	0.143	5	9/12/2018	N/A	9/12/2018
AW-3	Benzene	3/15/2017	<1.0	1.0	0.551	5	9/12/2018	N/A	9/12/2018
AW-3	Benzene	9/27/2017	<1.0	1.0	0.279	5	9/12/2018	N/A	9/12/2018
AW-3	Benzene	3/14/2018	5.6	1.0	0.000	5	9/12/2018	N/A	9/12/2018
AW-3	Benzene	9/12/2018	4.1	1.0	0.000	5	9/12/2018	N/A	9/12/2018
AW-3	Benzene	4/1/2019	<1.0	1.0	0.000	5	9/12/2018	N/A	9/12/2018
AW-3	Benzene	9/12/2019	1.1	1.0	0.000	5	9/12/2018	N/A	9/12/2018
AW-3	Benzene	5/6/2020	1.2	1.0	0.000	5	9/12/2018	N/A	9/12/2018
AW-3	Benzene	9/3/2020	<1.0	1.0	0.381	5	9/12/2018	N/A	9/12/2018
AW-3	Benzene	3/30/2021	5.2	1.0	0.000	5	9/12/2018	N/A	9/12/2018
AW-3	Benzene	9/8/2021	4.1	1.0	0.094	5	9/12/2018	N/A	9/12/2018
AW-3	Benzene	3/31/2022	1.4	1.0	0.196	5	9/12/2018	N/A	9/12/2018
AW-3	Benzene	8/30/2022	2.3	1.0	1.230	5	9/12/2018	N/A	9/12/2018
AW-3	Benzene	3/7/2023	2.6	1.0	1.280	5	9/12/2018	N/A	9/12/2018
AW-3	Benzene	9/28/2023	2.6	1.0	1.557	5	9/12/2018	N/A	9/12/2018
AW-3	Benzene	3/11/2024	2.7	1.0	2.346	5	9/12/2018	N/A	9/12/2018
AW-3	Benzene	10/2/2024	<1.0	1.0	0.844	5	9/12/2018	N/A	9/12/2018
AW-3	Benzene	3/6/2025	<1.0	1.0	0.114	5	9/12/2018	N/A	9/12/2018
AW-3	Benzene	9/16/2025	<1.0	1.0	0.000	5	9/12/2018	N/A	9/12/2018

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
AW-3	Bis(2-ethylhexyl)phthalate	9/16/2016	<8.0	6.0	---	6	N/A	N/A	9/12/2018
AW-3	Bis(2-ethylhexyl)phthalate	3/15/2017	16.0	6.0	---	6	N/A	N/A	9/12/2018
AW-3	Bis(2-ethylhexyl)phthalate	9/27/2017	<6.0	6.0	---	6	N/A	N/A	9/12/2018
AW-3	Bis(2-ethylhexyl)phthalate	3/14/2018	<6.0	6.0	---	6	N/A	N/A	9/12/2018
AW-3	Bis(2-ethylhexyl)phthalate	9/12/2018	<6.0	6.0	0.000	6	N/A	N/A	9/12/2018
AW-3	Bis(2-ethylhexyl)phthalate	4/1/2019	<6.0	6.0	3.000	6	N/A	N/A	9/12/2018
AW-3	Bis(2-ethylhexyl)phthalate	9/12/2019	<6.0	6.0	3.000	6	N/A	N/A	9/12/2018
AW-3	Bis(2-ethylhexyl)phthalate	5/6/2020	<6.0	6.0	3.000	6	N/A	N/A	9/12/2018
AW-3	Bis(2-ethylhexyl)phthalate	9/3/2020	NT	6.0	3.000	6	N/A	N/A	9/12/2018
AW-3	Bis(2-ethylhexyl)phthalate	3/30/2021	NT	6.0	3.000	6	N/A	N/A	9/12/2018
AW-3	Bis(2-ethylhexyl)phthalate	9/8/2021	NT	6.0	3.000	6	N/A	N/A	9/12/2018
AW-3	Bis(2-ethylhexyl)phthalate	3/31/2022	<6.0	6.0	3.000	6	N/A	N/A	9/12/2018
AW-3	Bis(2-ethylhexyl)phthalate	8/30/2022	NT	6.0	3.000	6	N/A	N/A	9/12/2018
AW-3	Bis(2-ethylhexyl)phthalate	3/7/2023	NT	6.0	3.000	6	N/A	N/A	9/12/2018
AW-3	Bis(2-ethylhexyl)phthalate	9/28/2023	NT	6.0	3.000	6	N/A	N/A	9/12/2018
AW-3	Bis(2-ethylhexyl)phthalate	3/11/2024	NT	6.0	3.000	6	N/A	N/A	9/12/2018
AW-3	Bis(2-ethylhexyl)phthalate	10/2/2024	NT	6.0	3.000	6	N/A	N/A	9/12/2018
AW-3	Bis(2-ethylhexyl)phthalate	3/6/2025	NT	6.0	3.000	6	N/A	N/A	9/12/2018
AW-3	Bis(2-ethylhexyl)phthalate	9/16/2025	NT	6.0	3.000	6	N/A	N/A	9/12/2018

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
AW-3	Chlorobenzene	9/16/2016	<1.0	1.0	0.500	100	N/A	N/A	9/12/2018
AW-3	Chlorobenzene	3/15/2017	1.1	1.0	0.297	100	N/A	N/A	9/12/2018
AW-3	Chlorobenzene	9/27/2017	<1.0	1.0	0.297	100	N/A	N/A	9/12/2018
AW-3	Chlorobenzene	3/14/2018	<1.0	1.0	0.297	100	N/A	N/A	9/12/2018
AW-3	Chlorobenzene	9/12/2018	<1.0	1.0	0.297	100	N/A	N/A	9/12/2018
AW-3	Chlorobenzene	4/1/2019	<1.0	1.0	0.500	100	N/A	N/A	9/12/2018
AW-3	Chlorobenzene	9/12/2019	<1.0	1.0	0.500	100	N/A	N/A	9/12/2018
AW-3	Chlorobenzene	5/6/2020	<1.0	1.0	0.500	100	N/A	N/A	9/12/2018
AW-3	Chlorobenzene	9/3/2020	<1.0	1.0	0.500	100	N/A	N/A	9/12/2018
AW-3	Chlorobenzene	3/30/2021	<1.0	1.0	0.500	100	N/A	N/A	9/12/2018
AW-3	Chlorobenzene	9/8/2021	<1.0	1.0	0.500	100	N/A	N/A	9/12/2018
AW-3	Chlorobenzene	3/31/2022	<1.0	1.0	0.500	100	N/A	N/A	9/12/2018
AW-3	Chlorobenzene	8/30/2022	<1.0	1.0	0.500	100	N/A	N/A	9/12/2018
AW-3	Chlorobenzene	3/7/2023	<1.0	1.0	0.500	100	N/A	N/A	9/12/2018
AW-3	Chlorobenzene	9/28/2023	<1.0	1.0	0.500	100	N/A	N/A	9/12/2018
AW-3	Chlorobenzene	3/11/2024	<1.0	1.0	0.500	100	N/A	N/A	9/12/2018
AW-3	Chlorobenzene	10/2/2024	<1.0	1.0	0.500	100	N/A	N/A	9/12/2018
AW-3	Chlorobenzene	3/6/2025	<1.0	1.0	0.500	100	N/A	N/A	9/12/2018
AW-3	Chlorobenzene	9/16/2025	<1.0	1.0	0.500	100	N/A	N/A	9/12/2018

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
AW-3	Chloroethane	9/16/2016	4.6	1.0	1.778	2,800.00	3/15/2017	N/A	9/12/2018
AW-3	Chloroethane	3/15/2017	6.8	1.0	2.220	2,800.00	3/15/2017	N/A	9/12/2018
AW-3	Chloroethane	9/27/2017	4.6	1.0	3.912	2,800.00	3/15/2017	N/A	9/12/2018
AW-3	Chloroethane	3/14/2018	5.5	1.0	4.151	2,800.00	3/15/2017	N/A	9/12/2018
AW-3	Chloroethane	9/12/2018	3.0	1.0	3.097	2,800.00	3/15/2017	N/A	9/12/2018
AW-3	Chloroethane	4/1/2019	1.2	1.0	1.351	2,800.00	3/15/2017	N/A	9/12/2018
AW-3	Chloroethane	9/12/2019	<1.0	1.0	0.000	2,800.00	3/15/2017	N/A	9/12/2018
AW-3	Chloroethane	5/6/2020	2.5	1.0	0.445	2,800.00	3/15/2017	N/A	9/12/2018
AW-3	Chloroethane	9/3/2020	3.9	1.0	0.261	2,800.00	3/15/2017	N/A	9/12/2018
AW-3	Chloroethane	3/30/2021	4.5	1.0	0.760	2,800.00	3/15/2017	N/A	9/12/2018
AW-3	Chloroethane	9/8/2021	4.2	1.0	3.193	2,800.00	3/15/2017	N/A	9/12/2018
AW-3	Chloroethane	3/31/2022	3.0	1.0	3.138	2,800.00	3/15/2017	N/A	9/12/2018
AW-3	Chloroethane	8/30/2022	4.2	1.0	3.138	2,800.00	3/15/2017	N/A	9/12/2018
AW-3	Chloroethane	3/7/2023	3.5	1.0	3.037	2,800.00	3/15/2017	N/A	9/12/2018
AW-3	Chloroethane	9/28/2023	3.8	1.0	3.030	2,800.00	3/15/2017	N/A	9/12/2018
AW-3	Chloroethane	3/11/2024	3.0	1.0	3.030	2,800.00	3/15/2017	N/A	9/12/2018
AW-3	Chloroethane	10/2/2024	3.0	1.0	2.861	2,800.00	3/15/2017	N/A	9/12/2018
AW-3	Chloroethane	3/6/2025	1.4	1.0	1.616	2,800.00	3/15/2017	N/A	9/12/2018
AW-3	Chloroethane	9/16/2025	3.0	1.0	1.659	2,800.00	3/15/2017	N/A	9/12/2018

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AW-3	cis-1,2-dichloroethene	9/16/2016	1.6	1.0	1.201	70	3/15/2017	N/A	9/12/2018
AW-3	cis-1,2-dichloroethene	3/15/2017	3.0	1.0	1.482	70	3/15/2017	N/A	9/12/2018
AW-3	cis-1,2-dichloroethene	9/27/2017	2.1	1.0	1.449	70	3/15/2017	N/A	9/12/2018
AW-3	cis-1,2-dichloroethene	3/14/2018	<1.0	1.0	0.574	70	3/15/2017	N/A	9/12/2018
AW-3	cis-1,2-dichloroethene	9/12/2018	<1.0	1.0	0.067	70	3/15/2017	N/A	9/12/2018
AW-3	cis-1,2-dichloroethene	4/1/2019	<1.0	1.0	0.000	70	3/15/2017	N/A	9/12/2018
AW-3	cis-1,2-dichloroethene	9/12/2019	<1.0	1.0	0.500	70	3/15/2017	N/A	9/12/2018
AW-3	cis-1,2-dichloroethene	5/6/2020	1.2	1.0	0.263	70	3/15/2017	N/A	9/12/2018
AW-3	cis-1,2-dichloroethene	9/3/2020	2.7	1.0	0.005	70	3/15/2017	N/A	9/12/2018
AW-3	cis-1,2-dichloroethene	3/30/2021	4.0	1.0	0.260	70	3/15/2017	N/A	9/12/2018
AW-3	cis-1,2-dichloroethene	9/8/2021	<1.0	1.0	0.260	70	3/15/2017	N/A	9/12/2018
AW-3	cis-1,2-dichloroethene	3/31/2022	<1.0	1.0	0.000	70	3/15/2017	N/A	9/12/2018
AW-3	cis-1,2-dichloroethene	8/30/2022	1.1	1.0	0.000	70	3/15/2017	N/A	9/12/2018
AW-3	cis-1,2-dichloroethene	3/7/2023	2.9	1.0	0.000	70	3/15/2017	N/A	9/12/2018
AW-3	cis-1,2-dichloroethene	9/28/2023	1.2	1.0	0.213	70	3/15/2017	N/A	9/12/2018
AW-3	cis-1,2-dichloroethene	3/11/2024	<1.0	1.0	0.213	70	3/15/2017	N/A	9/12/2018
AW-3	cis-1,2-dichloroethene	10/2/2024	<1.0	1.0	0.000	70	3/15/2017	N/A	9/12/2018
AW-3	cis-1,2-dichloroethene	3/6/2025	<1.0	1.0	0.263	70	3/15/2017	N/A	9/12/2018
AW-3	cis-1,2-dichloroethene	9/16/2025	1.2	1.0	0.263	70	3/15/2017	N/A	9/12/2018

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
AW-3	Toluene	9/16/2016	<1.0	1.0	0.500	1,000.00	N/A	N/A	9/12/2018
AW-3	Toluene	3/15/2017	<1.0	1.0	0.500	1,000.00	N/A	N/A	9/12/2018
AW-3	Toluene	9/27/2017	<1.0	1.0	0.500	1,000.00	N/A	N/A	9/12/2018
AW-3	Toluene	3/14/2018	<1.0	1.0	0.500	1,000.00	N/A	N/A	9/12/2018
AW-3	Toluene	9/12/2018	1.0	1.0	0.331	1,000.00	N/A	N/A	9/12/2018
AW-3	Toluene	4/1/2019	<1.0	1.0	0.331	1,000.00	N/A	N/A	9/12/2018
AW-3	Toluene	9/12/2019	<1.0	1.0	0.331	1,000.00	N/A	N/A	9/12/2018
AW-3	Toluene	5/6/2020	<1.0	1.0	0.331	1,000.00	N/A	N/A	9/12/2018
AW-3	Toluene	9/3/2020	<1.0	1.0	0.500	1,000.00	N/A	N/A	9/12/2018
AW-3	Toluene	3/30/2021	<1.0	1.0	0.500	1,000.00	N/A	N/A	9/12/2018
AW-3	Toluene	9/8/2021	<1.0	1.0	0.500	1,000.00	N/A	N/A	9/12/2018
AW-3	Toluene	3/31/2022	<1.0	1.0	0.500	1,000.00	N/A	N/A	9/12/2018
AW-3	Toluene	8/30/2022	<1.0	1.0	0.500	1,000.00	N/A	N/A	9/12/2018
AW-3	Toluene	3/7/2023	<1.0	1.0	0.500	1,000.00	N/A	N/A	9/12/2018
AW-3	Toluene	9/28/2023	<1.0	1.0	0.500	1,000.00	N/A	N/A	9/12/2018
AW-3	Toluene	3/11/2024	<1.0	1.0	0.500	1,000.00	N/A	N/A	9/12/2018
AW-3	Toluene	10/2/2024	<1.0	1.0	0.500	1,000.00	N/A	N/A	9/12/2018
AW-3	Toluene	3/6/2025	<1.0	1.0	0.500	1,000.00	N/A	N/A	9/12/2018
AW-3	Toluene	9/16/2025	<1.0	1.0	0.500	1,000.00	N/A	N/A	9/12/2018

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Summary of Ongoing & Newly Identified SSI
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Annual Water Quality Report
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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
AW-3	Vinyl Chloride	9/16/2016	<1.0	1.0	0.500	2	N/A	N/A	9/12/2018
AW-3	Vinyl Chloride	3/15/2017	<1.0	1.0	0.500	2	N/A	N/A	9/12/2018
AW-3	Vinyl Chloride	9/27/2017	<1.0	1.0	0.500	2	N/A	N/A	9/12/2018
AW-3	Vinyl Chloride	3/14/2018	<1.0	1.0	0.500	2	N/A	N/A	9/12/2018
AW-3	Vinyl Chloride	9/12/2018	<1.0	1.0	0.500	2	N/A	N/A	9/12/2018
AW-3	Vinyl Chloride	4/1/2019	<1.0	1.0	0.500	2	N/A	N/A	9/12/2018
AW-3	Vinyl Chloride	9/12/2019	<1.0	1.0	0.500	2	N/A	N/A	9/12/2018
AW-3	Vinyl Chloride	5/6/2020	<1.0	1.0	0.500	2	N/A	N/A	9/12/2018
AW-3	Vinyl Chloride	9/3/2020	<1.0	1.0	0.500	2	N/A	N/A	9/12/2018
AW-3	Vinyl Chloride	3/30/2021	2.1	1.0	0.000	2	N/A	N/A	9/12/2018
AW-3	Vinyl Chloride	9/8/2021	<1.0	1.0	0.000	2	N/A	N/A	9/12/2018
AW-3	Vinyl Chloride	3/31/2022	<1.0	1.0	0.000	2	N/A	N/A	9/12/2018
AW-3	Vinyl Chloride	8/30/2022	<1.0	1.0	0.000	2	N/A	N/A	9/12/2018
AW-3	Vinyl Chloride	3/7/2023	<1.0	1.0	0.500	2	N/A	N/A	9/12/2018
AW-3	Vinyl Chloride	9/28/2023	<1.0	1.0	0.500	2	N/A	N/A	9/12/2018
AW-3	Vinyl Chloride	3/11/2024	<1.0	1.0	0.500	2	N/A	N/A	9/12/2018
AW-3	Vinyl Chloride	10/2/2024	<1.0	1.0	0.500	2	N/A	N/A	9/12/2018
AW-3	Vinyl Chloride	3/6/2025	<1.0	1.0	0.500	2	N/A	N/A	9/12/2018
AW-3	Vinyl Chloride	9/16/2025	<1.0	1.0	0.500	2	N/A	N/A	9/12/2018

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Table 7

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Summary of Ongoing & Newly Identified SSI
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MW-14	Cadmium	9/12/2018	<0.8	0.8	0.400	5	N/A	N/A	9/3/2020
MW-14	Cadmium	4/1/2019	<0.8	0.8	0.400	5	N/A	N/A	9/3/2020
MW-14	Cadmium	9/12/2019	1.2	0.8	0.129	5	N/A	N/A	9/3/2020
MW-14	Cadmium	5/6/2020	<0.8	0.8	0.129	5	N/A	N/A	9/3/2020
MW-14	Cadmium	9/3/2020	<0.8	0.8	0.129	5	N/A	N/A	9/3/2020
MW-14	Cadmium	3/30/2021	<0.8	0.8	0.129	5	N/A	N/A	9/3/2020
MW-14	Cadmium	9/8/2021	<0.8	0.8	0.400	5	N/A	N/A	9/3/2020
MW-14	Cadmium	3/31/2022	<0.8	1.0	0.400	5	N/A	N/A	9/3/2020
MW-14	Cadmium	8/30/2022	<0.8	1.0	0.400	5	N/A	N/A	9/3/2020
MW-14	Cadmium	3/7/2023	<0.8	1.0	0.400	5	N/A	N/A	9/3/2020
MW-14	Cadmium	9/28/2023	<0.8	1.0	0.400	5	N/A	N/A	9/3/2020
MW-14	Cadmium	3/11/2024	<0.8	1.0	0.400	5	N/A	N/A	9/3/2020
MW-14	Cadmium	10/2/2024	<0.8	1.0	0.400	5	N/A	N/A	9/3/2020
MW-14	Cadmium	3/6/2025	<0.8	1.0	0.400	5	N/A	N/A	9/3/2020
MW-14	Cadmium	9/16/2025	<0.2	1.0	0.400	5	N/A	N/A	9/3/2020

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MW-14	Nickel	9/12/2018	7.0	19.0	0.000	100	N/A	N/A	9/3/2020
MW-14	Nickel	4/1/2019	22.9	19.0	0.000	100	N/A	N/A	9/3/2020
MW-14	Nickel	9/12/2019	14.4	19.0	3.182	100	N/A	N/A	9/3/2020
MW-14	Nickel	5/6/2020	17.6	19.0	9.717	100	N/A	N/A	9/3/2020
MW-14	Nickel	9/3/2020	11.2	19.0	12.205	100	N/A	N/A	9/3/2020
MW-14	Nickel	3/30/2021	4.3	19.0	5.817	100	N/A	N/A	9/3/2020
MW-14	Nickel	9/8/2021	12.0	19.0	4.861	100	N/A	N/A	9/3/2020
MW-14	Nickel	3/31/2022	4.7	19.0	3.209	100	N/A	N/A	9/3/2020
MW-14	Nickel	8/30/2022	4.8	19.0	2.090	100	N/A	N/A	9/3/2020
MW-14	Nickel	3/7/2023	5.5	11.4	2.612	100	N/A	N/A	9/3/2020
MW-14	Nickel	9/28/2023	13.1	29.5	2.243	100	N/A	N/A	9/3/2020
MW-14	Nickel	3/11/2024	6.0	29.5	2.804	100	N/A	N/A	9/3/2020
MW-14	Nickel	10/2/2024	9.5	29.5	4.371	100	N/A	N/A	9/3/2020
MW-14	Nickel	3/6/2025	5.3	29.5	4.253	100	N/A	N/A	9/3/2020
MW-14	Nickel	9/16/2025	5.9	43.5	4.430	100	N/A	N/A	9/3/2020

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MW-14	1,1-dichloroethane	9/16/2016	<1.0	1.0	0.155	140	9/27/2017	N/A	9/3/2020
MW-14	1,1-dichloroethane	3/15/2017	1.3	1.0	0.229	140	9/27/2017	N/A	9/3/2020
MW-14	1,1-dichloroethane	9/27/2017	1.1	1.0	0.365	140	9/27/2017	N/A	9/3/2020
MW-14	1,1-dichloroethane	3/14/2018	<1.0	1.0	0.365	140	9/27/2017	N/A	9/3/2020
MW-14	1,1-dichloroethane	9/12/2018	<1.0	1.0	0.365	140	9/27/2017	N/A	9/3/2020
MW-14	1,1-dichloroethane	4/1/2019	1.0	1.0	0.398	140	9/27/2017	N/A	9/3/2020
MW-14	1,1-dichloroethane	9/12/2019	<1.0	1.0	0.331	140	9/27/2017	N/A	9/3/2020
MW-14	1,1-dichloroethane	5/6/2020	<1.0	1.0	0.331	140	9/27/2017	N/A	9/3/2020
MW-14	1,1-dichloroethane	9/3/2020	<1.0	1.0	0.331	140	9/27/2017	N/A	9/3/2020
MW-14	1,1-dichloroethane	3/30/2021	<1.0	1.0	0.500	140	9/27/2017	N/A	9/3/2020
MW-14	1,1-dichloroethane	9/8/2021	<1.0	1.0	0.500	140	9/27/2017	N/A	9/3/2020
MW-14	1,1-dichloroethane	3/31/2022	<1.0	1.0	0.500	140	9/27/2017	N/A	9/3/2020
MW-14	1,1-dichloroethane	8/30/2022	<1.0	1.0	0.500	140	9/27/2017	N/A	9/3/2020
MW-14	1,1-dichloroethane	3/7/2023	<1.0	1.0	0.500	140	9/27/2017	N/A	9/3/2020
MW-14	1,1-dichloroethane	9/28/2023	<1.0	1.0	0.500	140	9/27/2017	N/A	9/3/2020
MW-14	1,1-dichloroethane	3/11/2024	<1.0	1.0	0.500	140	9/27/2017	N/A	9/3/2020
MW-14	1,1-dichloroethane	10/2/2024	<1.0	1.0	0.500	140	9/27/2017	N/A	9/3/2020
MW-14	1,1-dichloroethane	3/6/2025	<1.0	1.0	0.500	140	9/27/2017	N/A	9/3/2020
MW-14	1,1-dichloroethane	9/16/2025	<1.0	1.0	0.500	140	9/27/2017	N/A	9/3/2020

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MW-20	Arsenic	9/12/2018	44.9	43.9	10.552	43.9	N/A	N/A	9/3/2020
MW-20	Arsenic	4/1/2019	19.5	51.3	15.562	51.3	N/A	N/A	9/3/2020
MW-20	Arsenic	9/12/2019	72.0	51.3	11.746	51.3	N/A	N/A	9/3/2020
MW-20	Arsenic	5/6/2020	42.3	51.3	19.390	51.3	N/A	N/A	9/3/2020
MW-20	Arsenic	9/3/2020	50.6	51.3	20.571	51.3	N/A	N/A	9/3/2020
MW-20	Arsenic	3/30/2021	38.9	51.3	33.460	51.3	N/A	N/A	9/3/2020
MW-20	Arsenic	9/8/2021	40.2	51.3	36.817	51.3	N/A	N/A	9/3/2020
MW-20	Arsenic	3/31/2022	44.1	51.3	37.270	51.3	N/A	N/A	9/3/2020
MW-20	Arsenic	8/30/2022	23.3	51.3	25.857	51.3	N/A	N/A	9/3/2020
MW-20	Arsenic	3/7/2023	106.0	51.3	10.807	51.3	N/A	N/A	9/3/2020
MW-20	Arsenic	9/28/2023	37.5	51.3	9.718	51.3	N/A	N/A	9/3/2020
MW-20	Arsenic	3/11/2024	27.9	51.3	3.186	51.3	N/A	N/A	9/3/2020
MW-20	Arsenic	10/2/2024	26.7	51.3	4.874	51.3	N/A	N/A	9/3/2020
MW-20	Arsenic	3/6/2025	41.9	51.3	24.799	51.3	N/A	N/A	9/3/2020
MW-20	Arsenic	9/16/2025	28.4	51.3	22.812	51.3	N/A	N/A	9/3/2020

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MW-20	1,4-dichlorobenzene	9/16/2016	3.4	1	0.000	75	3/15/2017	N/A	9/3/2020
MW-20	1,4-dichlorobenzene	3/15/2017	1.2	1	0.000	75	3/15/2017	N/A	9/3/2020
MW-20	1,4-dichlorobenzene	9/27/2017	1.4	1	0.161	75	3/15/2017	N/A	9/3/2020
MW-20	1,4-dichlorobenzene	3/14/2018	1.7	1	0.743	75	3/15/2017	N/A	9/3/2020
MW-20	1,4-dichlorobenzene	9/12/2018	3.0	1	0.872	75	3/15/2017	N/A	9/3/2020
MW-20	1,4-dichlorobenzene	4/1/2019	2.9	1	1.287	75	3/15/2017	N/A	9/3/2020
MW-20	1,4-dichlorobenzene	9/12/2019	<1.0	1	0.642	75	3/15/2017	N/A	9/3/2020
MW-20	1,4-dichlorobenzene	5/6/2020	2.5	1	0.849	75	3/15/2017	N/A	9/3/2020
MW-20	1,4-dichlorobenzene	9/3/2020	1.6	1	0.621	75	3/15/2017	N/A	9/3/2020
MW-20	1,4-dichlorobenzene	3/30/2021	2.6	1	0.651	75	3/15/2017	N/A	9/3/2020
MW-20	1,4-dichlorobenzene	9/8/2021	2.9	1	1.742	75	3/15/2017	N/A	9/3/2020
MW-20	1,4-dichlorobenzene	3/31/2022	2.4	1	1.721	75	3/15/2017	N/A	9/3/2020
MW-20	1,4-dichlorobenzene	8/30/2022	2.8	1	2.414	75	3/15/2017	N/A	9/3/2020
MW-20	1,4-dichlorobenzene	3/7/2023	2.8	1	2.464	75	3/15/2017	N/A	9/3/2020
MW-20	1,4-dichlorobenzene	9/28/2023	3.4	1	2.365	75	3/15/2017	N/A	9/3/2020
MW-20	1,4-dichlorobenzene	3/11/2024	2.6	1	2.493	75	3/15/2017	N/A	9/3/2020
MW-20	1,4-dichlorobenzene	10/2/2024	3.2	1	2.570	75	3/15/2017	N/A	9/3/2020
MW-20	1,4-dichlorobenzene	3/6/2025	2.5	1	2.404	75	3/15/2017	N/A	9/3/2020
MW-20	1,4-dichlorobenzene	9/16/2025	3.8	1	2.317	75	3/15/2017	N/A	9/3/2020

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MW-20	Acetone	9/16/2016	33.3	10	0.000	6,300.00	N/A	N/A	9/3/2020
MW-20	Acetone	3/15/2017	<10.0	10	0.000	6,300.00	N/A	N/A	9/3/2020
MW-20	Acetone	9/27/2017	<10.0	10	0.000	6,300.00	N/A	N/A	9/3/2020
MW-20	Acetone	3/14/2018	<10.0	10	0.000	6,300.00	N/A	N/A	9/3/2020
MW-20	Acetone	9/12/2018	<10.0	10	5.000	6,300.00	N/A	N/A	9/3/2020
MW-20	Acetone	4/1/2019	<10.0	10	5.000	6,300.00	N/A	N/A	9/3/2020
MW-20	Acetone	9/12/2019	<10.0	10	5.000	6,300.00	N/A	N/A	9/3/2020
MW-20	Acetone	5/6/2020	<10.0	10	5.000	6,300.00	N/A	N/A	9/3/2020
MW-20	Acetone	9/3/2020	<10.0	10	5.000	6,300.00	N/A	N/A	9/3/2020
MW-20	Acetone	3/30/2021	<10.0	10	5.000	6,300.00	N/A	N/A	9/3/2020
MW-20	Acetone	9/8/2021	<10.0	10	5.000	6,300.00	N/A	N/A	9/3/2020
MW-20	Acetone	3/31/2022	<10.0	10	5.000	6,300.00	N/A	N/A	9/3/2020
MW-20	Acetone	8/30/2022	<10.0	10	5.000	6,300.00	N/A	N/A	9/3/2020
MW-20	Acetone	3/7/2023	<10.0	10	5.000	6,300.00	N/A	N/A	9/3/2020
MW-20	Acetone	9/28/2023	<10.0	10	5.000	6,300.00	N/A	N/A	9/3/2020
MW-20	Acetone	3/11/2024	<10.0	10	5.000	6,300.00	N/A	N/A	9/3/2020
MW-20	Acetone	10/2/2024	<10.0	10	5.000	6,300.00	N/A	N/A	9/3/2020
MW-20	Acetone	3/6/2025	93.9	10	0.000	6,300.00	N/A	N/A	9/3/2020
MW-20	Acetone	9/16/2025	<10.0	10	0.000	6,300.00	N/A	N/A	9/3/2020

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MW-20	Benzene	9/16/2016	3.7	1	2.827	5	3/15/2017	N/A	9/3/2020
MW-20	Benzene	3/15/2017	2.5	1	2.383	5	3/15/2017	N/A	9/3/2020
MW-20	Benzene	9/27/2017	2.6	1	2.210	5	3/15/2017	N/A	9/3/2020
MW-20	Benzene	3/14/2018	1.7	1	1.658	5	3/15/2017	N/A	9/3/2020
MW-20	Benzene	9/12/2018	2.7	1	1.837	5	3/15/2017	N/A	9/3/2020
MW-20	Benzene	4/1/2019	2.4	1	1.820	5	3/15/2017	N/A	9/3/2020
MW-20	Benzene	9/12/2019	2.8	1	1.816	5	3/15/2017	N/A	9/3/2020
MW-20	Benzene	5/6/2020	2.5	1	2.385	5	3/15/2017	N/A	9/3/2020
MW-20	Benzene	9/3/2020	2.7	1	2.385	5	3/15/2017	N/A	9/3/2020
MW-20	Benzene	3/30/2021	1.9	1	2.001	5	3/15/2017	N/A	9/3/2020
MW-20	Benzene	9/8/2021	2.8	1	2.001	5	3/15/2017	N/A	9/3/2020
MW-20	Benzene	3/31/2022	2.3	1	1.941	5	3/15/2017	N/A	9/3/2020
MW-20	Benzene	8/30/2022	3.6	1	1.788	5	3/15/2017	N/A	9/3/2020
MW-20	Benzene	3/7/2023	2.2	1	1.973	5	3/15/2017	N/A	9/3/2020
MW-20	Benzene	9/28/2023	2.6	1	1.973	5	3/15/2017	N/A	9/3/2020
MW-20	Benzene	3/11/2024	2.3	1	1.973	5	3/15/2017	N/A	9/3/2020
MW-20	Benzene	10/2/2024	2.8	1	2.151	5	3/15/2017	N/A	9/3/2020
MW-20	Benzene	3/6/2025	1.9	1	1.939	5	3/15/2017	N/A	9/3/2020
MW-20	Benzene	9/16/2025	3.8	1	1.735	5	3/15/2017	N/A	9/3/2020

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MW-20	Chlorobenzene	9/16/2016	3.1	1	0.019	100	3/15/2017	N/A	9/3/2020
MW-20	Chlorobenzene	3/15/2017	1.4	1	0.000	100	3/15/2017	N/A	9/3/2020
MW-20	Chlorobenzene	9/27/2017	1.6	1	0.381	100	3/15/2017	N/A	9/3/2020
MW-20	Chlorobenzene	3/14/2018	<1.0	1	0.381	100	3/15/2017	N/A	9/3/2020
MW-20	Chlorobenzene	9/12/2018	3.1	1	0.381	100	3/15/2017	N/A	9/3/2020
MW-20	Chlorobenzene	4/1/2019	2.6	1	0.597	100	3/15/2017	N/A	9/3/2020
MW-20	Chlorobenzene	9/12/2019	3.6	1	0.847	100	3/15/2017	N/A	9/3/2020
MW-20	Chlorobenzene	5/6/2020	2.2	1	2.160	100	3/15/2017	N/A	9/3/2020
MW-20	Chlorobenzene	9/3/2020	1.7	1	1.577	100	3/15/2017	N/A	9/3/2020
MW-20	Chlorobenzene	3/30/2021	2.2	1	1.463	100	3/15/2017	N/A	9/3/2020
MW-20	Chlorobenzene	9/8/2021	2.7	1	1.720	100	3/15/2017	N/A	9/3/2020
MW-20	Chlorobenzene	3/31/2022	2.6	1	1.765	100	3/15/2017	N/A	9/3/2020
MW-20	Chlorobenzene	8/30/2022	3.1	1	2.215	100	3/15/2017	N/A	9/3/2020
MW-20	Chlorobenzene	3/7/2023	2.5	1	2.416	100	3/15/2017	N/A	9/3/2020
MW-20	Chlorobenzene	9/28/2023	3.4	1	2.401	100	3/15/2017	N/A	9/3/2020
MW-20	Chlorobenzene	3/11/2024	2.8	1	2.494	100	3/15/2017	N/A	9/3/2020
MW-20	Chlorobenzene	10/2/2024	3.6	1	2.472	100	3/15/2017	N/A	9/3/2020
MW-20	Chlorobenzene	3/6/2025	2.7	1	2.604	100	3/15/2017	N/A	9/3/2020
MW-20	Chlorobenzene	9/16/2025	5.8	1	2.030	100	3/15/2017	N/A	9/3/2020

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MW-20	Chloroethane	9/16/2016	1.4	1	1.497	2,800.00	3/15/2017	N/A	9/3/2020
MW-20	Chloroethane	3/15/2017	1.1	1	1.096	2,800.00	3/15/2017	N/A	9/3/2020
MW-20	Chloroethane	9/27/2017	<1.0	1	1.096	2,800.00	3/15/2017	N/A	9/3/2020
MW-20	Chloroethane	3/14/2018	<1.0	1	0.346	2,800.00	3/15/2017	N/A	9/3/2020
MW-20	Chloroethane	9/12/2018	<1.0	1	0.297	2,800.00	3/15/2017	N/A	9/3/2020
MW-20	Chloroethane	4/1/2019	<1.0	1	0.500	2,800.00	3/15/2017	N/A	9/3/2020
MW-20	Chloroethane	9/12/2019	<1.0	1	0.500	2,800.00	3/15/2017	N/A	9/3/2020
MW-20	Chloroethane	5/6/2020	<1.0	1	0.500	2,800.00	3/15/2017	N/A	9/3/2020
MW-20	Chloroethane	9/3/2020	<1.0	1	0.500	2,800.00	3/15/2017	N/A	9/3/2020
MW-20	Chloroethane	3/30/2021	<1.0	1	0.500	2,800.00	3/15/2017	N/A	9/3/2020
MW-20	Chloroethane	9/8/2021	<1.0	1	0.500	2,800.00	3/15/2017	N/A	9/3/2020
MW-20	Chloroethane	3/31/2022	<1.0	1	0.500	2,800.00	3/15/2017	N/A	9/3/2020
MW-20	Chloroethane	8/30/2022	<1.0	1	0.500	2,800.00	3/15/2017	N/A	9/3/2020
MW-20	Chloroethane	3/7/2023	<1.0	1	0.500	2,800.00	3/15/2017	N/A	9/3/2020
MW-20	Chloroethane	9/28/2023	<1.0	1	0.500	2,800.00	3/15/2017	N/A	9/3/2020
MW-20	Chloroethane	3/11/2024	<1.0	1	0.500	2,800.00	3/15/2017	N/A	9/3/2020
MW-20	Chloroethane	10/2/2024	<1.0	1	0.500	2,800.00	3/15/2017	N/A	9/3/2020
MW-20	Chloroethane	3/6/2025	<1.0	1	0.500	2,800.00	3/15/2017	N/A	9/3/2020
MW-20	Chloroethane	9/16/2025	<1.0	1	0.500	2,800.00	3/15/2017	N/A	9/3/2020

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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-20	Toluene	9/16/2016	1.4	1	0.000	1,000.00	N/A	N/A	9/3/2020
MW-20	Toluene	3/15/2017	<1.0	1	0.196	1,000.00	N/A	N/A	9/3/2020
MW-20	Toluene	9/27/2017	<1.0	1	0.196	1,000.00	N/A	N/A	9/3/2020
MW-20	Toluene	3/14/2018	<1.0	1	0.196	1,000.00	N/A	N/A	9/3/2020
MW-20	Toluene	9/12/2018	<1.0	1	0.500	1,000.00	N/A	N/A	9/3/2020
MW-20	Toluene	4/1/2019	<1.0	1	0.500	1,000.00	N/A	N/A	9/3/2020
MW-20	Toluene	9/12/2019	<1.0	1	0.500	1,000.00	N/A	N/A	9/3/2020
MW-20	Toluene	5/6/2020	<1.0	1	0.500	1,000.00	N/A	N/A	9/3/2020
MW-20	Toluene	9/3/2020	<1.0	1	0.500	1,000.00	N/A	N/A	9/3/2020
MW-20	Toluene	3/30/2021	<1.0	1	0.500	1,000.00	N/A	N/A	9/3/2020
MW-20	Toluene	9/8/2021	<1.0	1	0.500	1,000.00	N/A	N/A	9/3/2020
MW-20	Toluene	3/31/2022	<1.0	1	0.500	1,000.00	N/A	N/A	9/3/2020
MW-20	Toluene	8/30/2022	2.1	1	0.000	1,000.00	N/A	N/A	9/3/2020
MW-20	Toluene	3/7/2023	<1.0	1	0.000	1,000.00	N/A	N/A	9/3/2020
MW-20	Toluene	9/28/2023	<1.0	1	0.000	1,000.00	N/A	N/A	9/3/2020
MW-20	Toluene	3/11/2024	1.1	1	0.162	1,000.00	N/A	N/A	9/3/2020
MW-20	Toluene	10/2/2024	<1.0	1	0.297	1,000.00	N/A	N/A	9/3/2020
MW-20	Toluene	3/6/2025	<1.0	1	0.297	1,000.00	N/A	N/A	9/3/2020
MW-20	Toluene	9/16/2025	<1.0	1	0.297	1,000.00	N/A	N/A	9/3/2020

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

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MW-24	9/12/2018	Arsenic	25.6	43.9	23.328	43.9	N/A	N/A	9/3/2020
MW-24	4/1/2019	Arsenic	100.0	51.3	0.000	51.3	N/A	N/A	9/3/2020
MW-24	9/12/2019	Arsenic	23.8	51.3	0.000	51.3	N/A	N/A	9/3/2020
MW-24	5/6/2020	Arsenic	6.5	51.3	0.000	51.3	N/A	N/A	9/3/2020
MW-24	9/3/2020	Arsenic	12.8	51.3	0.000	51.3	N/A	N/A	9/3/2020
MW-24	3/30/2021	Arsenic	22.3	51.3	6.733	51.3	N/A	N/A	9/3/2020
MW-24	9/8/2021	Arsenic	20.5	51.3	6.947	51.3	N/A	N/A	9/3/2020
MW-24	3/31/2022	Arsenic	<4.0	51.3	2.364	51.3	N/A	N/A	9/3/2020
MW-24	8/30/2022	Arsenic	5.1	51.3	0.000	51.3	N/A	N/A	9/3/2020
MW-24	3/7/2023	Arsenic	<4.0	51.3	0.000	51.3	N/A	N/A	9/3/2020
MW-24	9/28/2023	Arsenic	17.1	51.3	0.000	51.3	N/A	N/A	9/3/2020
MW-24	3/11/2024	Arsenic	36.9	51.3	0.000	51.3	N/A	N/A	9/3/2020
MW-24	10/2/2024	Arsenic	33.3	51.3	3.440	51.3	N/A	N/A	9/3/2020
MW-24	3/6/2025	Arsenic	22.0	51.3	16.368	51.3	N/A	N/A	9/3/2020
MW-24	9/16/2025	Arsenic	5.5	51.3	7.812	51.3	N/A	N/A	9/3/2020

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MW-24	9/12/2018	Barium	382	510.700	406.270	2,000	N/A	N/A	9/3/2020
MW-24	4/1/2019	Barium	665	510.700	412.814	2,000	N/A	N/A	9/3/2020
MW-24	9/12/2019	Barium	310	510.700	288.322	2,000	N/A	N/A	9/3/2020
MW-24	5/6/2020	Barium	303	518.900	214.503	2,000	N/A	N/A	9/3/2020
MW-24	9/3/2020	Barium	149	507.300	99.708	2,000	N/A	N/A	9/3/2020
MW-24	3/30/2021	Barium	179	1107.900	137.350	2,000	N/A	N/A	9/3/2020
MW-24	9/8/2021	Barium	302	1024.200	138.092	2,000	N/A	N/A	9/3/2020
MW-24	3/31/2022	Barium	96.2	1059.600	78.871	2,000	N/A	N/A	9/3/2020
MW-24	8/30/2022	Barium	82.7	1001.017	46.425	2,000	N/A	N/A	9/3/2020
MW-24	3/7/2023	Barium	65.1	989.789	5.855	2,000	N/A	N/A	9/3/2020
MW-24	9/28/2023	Barium	298	944.447	7.192	2,000	N/A	N/A	9/3/2020
MW-24	3/11/2024	Barium	409	944.527	16.249	2,000	N/A	N/A	9/3/2020
MW-24	10/2/2024	Barium	602	569.000	79.895	2,000	N/A	N/A	9/3/2020
MW-24	3/6/2025	Barium	559	569.000	302.580	2,000	N/A	N/A	9/3/2020
MW-24	9/16/2025	Barium	419	569.000	382.205	2,000	N/A	N/A	9/3/2020

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MW-24	9/12/2018	Cobalt	3.5	7.43	0.214	7.43	9/12/2019	N/A	9/3/2020
MW-24	4/1/2019	Cobalt	21.9	7.43	0.000	7.43	9/12/2019	N/A	9/3/2020
MW-24	9/12/2019	Cobalt	19.0	7.43	0.000	7.43	9/12/2019	N/A	9/3/2020
MW-24	5/6/2020	Cobalt	5.1	5.9	1.292	7.43	9/12/2019	N/A	9/3/2020
MW-24	9/3/2020	Cobalt	16.1	5.9	6.888	7.43	9/12/2019	N/A	9/3/2020
MW-24	3/30/2021	Cobalt	14.2	12.2	6.542	12.2	9/12/2019	N/A	9/3/2020
MW-24	9/8/2021	Cobalt	3.5	12.2	2.261	12.2	9/12/2019	N/A	9/3/2020
MW-24	3/31/2022	Cobalt	8.0	12.2	3.649	12.2	9/12/2019	N/A	9/3/2020
MW-24	8/30/2022	Cobalt	12.0	12.2	3.884	12.2	9/12/2019	N/A	9/3/2020
MW-24	3/7/2023	Cobalt	5.2	12.2	2.807	12.2	9/12/2019	N/A	9/3/2020
MW-24	9/28/2023	Cobalt	7.4	12.2	4.815	12.2	9/12/2019	N/A	9/3/2020
MW-24	3/11/2024	Cobalt	6.4	12.2	4.253	12.2	9/12/2019	N/A	9/3/2020
MW-24	10/2/2024	Cobalt	12.9	12.2	3.971	12.2	9/12/2019	N/A	9/3/2020
MW-24	3/6/2025	Cobalt	6.6	12.2	4.702	12.2	9/12/2019	N/A	9/3/2020
MW-24	9/16/2025	Cobalt	9.2	12.2	5.209	12.2	9/12/2019	N/A	9/3/2020

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MW-24	9/12/2018	Nickel	14.3	19.0	7.092	100	8/30/2022	N/A	9/3/2020
MW-24	4/1/2019	Nickel	61.1	19.0	0.000	100	8/30/2022	N/A	9/3/2020
MW-24	9/12/2019	Nickel	16.2	19.0	0.000	100	8/30/2022	N/A	9/3/2020
MW-24	5/6/2020	Nickel	14.9	19.0	12.099	100	8/30/2022	N/A	9/3/2020
MW-24	9/3/2020	Nickel	30.6	19.0	5.434	100	8/30/2022	N/A	9/3/2020
MW-24	3/30/2021	Nickel	17.9	19.0	11.386	100	8/30/2022	N/A	9/3/2020
MW-24	9/8/2021	Nickel	13.4	19.0	9.993	100	8/30/2022	N/A	9/3/2020
MW-24	3/31/2022	Nickel	66.7	19.0	3.734	100	8/30/2022	N/A	9/3/2020
MW-24	8/30/2022	Nickel	43.0	19.0	6.217	100	8/30/2022	N/A	9/3/2020
MW-24	3/7/2023	Nickel	48.0	11.4	16.802	100	8/30/2022	N/A	9/3/2020
MW-24	9/28/2023	Nickel	29.4	29.5	28.620	100	8/30/2022	N/A	9/3/2020
MW-24	3/11/2024	Nickel	8.2	29.5	11.217	100	8/30/2022	N/A	9/3/2020
MW-24	10/2/2024	Nickel	29.3	29.5	9.593	100	8/30/2022	N/A	9/3/2020
MW-24	3/6/2025	Nickel	17.5	29.5	9.037	100	8/30/2022	N/A	9/3/2020
MW-24	9/16/2025	Nickel	31.8	43.5	8.820	100	8/30/2022	N/A	9/3/2020

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MW-24	9/12/2018	Zinc	24.5	69.0	0.705	2,000	N/A	N/A	9/3/2020
MW-24	4/1/2019	Zinc	69.3	69.0	0.000	2,000	N/A	N/A	9/3/2020
MW-24	9/12/2019	Zinc	<20.0	69.0	0.000	2,000	N/A	N/A	9/3/2020
MW-24	5/6/2020	Zinc	<20.0	69.0	4.134	2,000	N/A	N/A	9/3/2020
MW-24	9/3/2020	Zinc	25.7	69.0	4.477	2,000	N/A	N/A	9/3/2020
MW-24	3/30/2021	Zinc	<20.0	69.0	4.691	2,000	N/A	N/A	9/3/2020
MW-24	9/8/2021	Zinc	<20.0	69.0	4.691	2,000	N/A	N/A	9/3/2020
MW-24	3/31/2022	Zinc	27.2	69.0	7.030	2,000	N/A	N/A	9/3/2020
MW-24	8/30/2022	Zinc	<20.0	69.0	4.184	2,000	N/A	N/A	9/3/2020
MW-24	3/7/2023	Zinc	<20.0	69.0	4.184	2,000	N/A	N/A	9/3/2020
MW-24	9/28/2023	Zinc	<20.0	69.0	4.184	2,000	N/A	N/A	9/3/2020
MW-24	3/11/2024	Zinc	<20.0	69.0	10.000	2,000	N/A	N/A	9/3/2020
MW-24	10/2/2024	Zinc	<20.0	69.0	10.000	2,000	N/A	N/A	9/3/2020
MW-24	3/6/2025	Zinc	<20.0	69.0	10.000	2,000	N/A	N/A	9/3/2020
MW-24	9/16/2025	Zinc	18.9	69.0	8.371	2,000	N/A	N/A	9/3/2020

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MW-24	9/16/2016	Acetone	<10.	10.0	5.000	6,300	N/A	N/A	9/12/2018
MW-24	3/15/2017	Acetone	<10.	10.0	5.000	6,300	N/A	N/A	9/12/2018
MW-24	9/27/2017	Acetone	13.6	10.0	2.092	6,300	N/A	N/A	9/12/2018
MW-24	3/14/2018	Acetone	<10.	10.0	2.092	6,300	N/A	N/A	9/12/2018
MW-24	9/12/2018	Acetone	<10.	10.0	2.092	6,300	N/A	N/A	9/12/2018
MW-24	4/1/2019	Acetone	25.0	10.0	1.002	6,300	N/A	N/A	9/12/2018
MW-24	9/12/2019	Acetone	<10.	10.0	0.000	6,300	N/A	N/A	9/12/2018
MW-24	5/6/2020	Acetone	<10.	10.0	0.000	6,300	N/A	N/A	9/12/2018
MW-24	9/3/2020	Acetone	<10.	10.0	0.000	6,300	N/A	N/A	9/12/2018
MW-24	3/30/2021	Acetone	<10.	10.0	5.000	6,300	N/A	N/A	9/12/2018
MW-24	9/8/2021	Acetone	<10.	10.0	5.000	6,300	N/A	N/A	9/12/2018
MW-24	3/31/2022	Acetone	<10.	10.0	5.000	6,300	N/A	N/A	9/12/2018
MW-24	8/30/2022	Acetone	<10.	10.0	5.000	6,300	N/A	N/A	9/12/2018
MW-24	3/7/2023	Acetone	<10.	10.0	5.000	6,300	N/A	N/A	9/12/2018
MW-24	9/28/2023	Acetone	<10.	10.0	5.000	6,300	N/A	N/A	9/12/2018
MW-24	3/11/2024	Acetone	<10.	10.0	5.000	6,300	N/A	N/A	9/12/2018
MW-24	10/2/2024	Acetone	<10.	10.0	5.000	6,300	N/A	N/A	9/12/2018
MW-24	3/6/2025	Acetone	<10.	10.0	5.000	6,300	N/A	N/A	9/12/2018
MW-24	9/16/2025	Acetone	<10.	10.0	5.000	6,300	N/A	N/A	9/12/2018

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-24	9/16/2016	Benzene	<1.0	1.0	0.250	5.0	N/A	N/A	9/12/2018
MW-24	3/15/2017	Benzene	1.3	1.0	0.000	5.0	N/A	N/A	9/12/2018
MW-24	9/27/2017	Benzene	<1.0	1.0	0.000	5.0	N/A	N/A	9/12/2018
MW-24	3/14/2018	Benzene	<1.0	1.0	0.000	5.0	N/A	N/A	9/12/2018
MW-24	9/12/2018	Benzene	<1.0	1.0	0.000	5.0	N/A	N/A	9/12/2018
MW-24	4/1/2019	Benzene	2.1	1.0	0.000	5.0	N/A	N/A	9/12/2018
MW-24	9/12/2019	Benzene	<1.0	1.0	0.000	5.0	N/A	N/A	9/12/2018
MW-24	5/6/2020	Benzene	<1.0	1.0	0.000	5.0	N/A	N/A	9/12/2018
MW-24	9/3/2020	Benzene	<1.0	1.0	0.000	5.0	N/A	N/A	9/12/2018
MW-24	3/30/2021	Benzene	<1.0	1.0	0.500	5.0	N/A	N/A	9/12/2018
MW-24	9/8/2021	Benzene	<1.0	1.0	0.500	5.0	N/A	N/A	9/12/2018
MW-24	3/31/2022	Benzene	<1.0	1.0	0.500	5.0	N/A	N/A	9/12/2018
MW-24	8/30/2022	Benzene	<1.0	1.0	0.500	5.0	N/A	N/A	9/12/2018
MW-24	3/7/2023	Benzene	<1.0	1.0	0.500	5.0	N/A	N/A	9/12/2018
MW-24	9/28/2023	Benzene	<1.0	1.0	0.500	5.0	N/A	N/A	9/12/2018
MW-24	3/11/2024	Benzene	<1.0	1.0	0.500	5.0	N/A	N/A	9/12/2018
MW-24	10/2/2024	Benzene	<1.0	1.0	0.500	5.0	N/A	N/A	9/12/2018
MW-24	3/6/2025	Benzene	<1.0	1.0	0.500	5.0	N/A	N/A	9/12/2018
MW-24	9/16/2025	Benzene	<1.0	1.0	0.500	5.0	N/A	N/A	9/12/2018

Table 7

KEY:

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SSL LCL>GWPS

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Annual Water Quality Report
Benton County Sanitary Landfill
Permit No. 06-SDP-02-81P

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-24	9/16/2016	Chloroethane	<1.0	1.0	0.500	2,800	N/A	N/A	9/12/2018
MW-24	3/15/2017	Chloroethane	<1.0	1.0	0.500	2,800	N/A	N/A	9/12/2018
MW-24	9/27/2017	Chloroethane	<1.0	1.0	0.500	2,800	N/A	N/A	9/12/2018
MW-24	3/14/2018	Chloroethane	<1.0	1.0	0.500	2,800	N/A	N/A	9/12/2018
MW-24	9/12/2018	Chloroethane	<1.0	1.0	0.500	2,800	N/A	N/A	9/12/2018
MW-24	4/1/2019	Chloroethane	1.6	1.0	0.128	2,800	N/A	N/A	9/12/2018
MW-24	9/12/2019	Chloroethane	<1.0	1.0	0.128	2,800	N/A	N/A	9/12/2018
MW-24	5/6/2020	Chloroethane	<1.0	1.0	0.128	2,800	N/A	N/A	9/12/2018
MW-24	9/3/2020	Chloroethane	<1.0	1.0	0.128	2,800	N/A	N/A	9/12/2018
MW-24	3/30/2021	Chloroethane	<1.0	1.0	0.500	2,800	N/A	N/A	9/12/2018
MW-24	9/8/2021	Chloroethane	<1.0	1.0	0.500	2,800	N/A	N/A	9/12/2018
MW-24	3/31/2022	Chloroethane	<1.0	1.0	0.500	2,800	N/A	N/A	9/12/2018
MW-24	8/30/2022	Chloroethane	<1.0	1.0	0.500	2,800	N/A	N/A	9/12/2018
MW-24	3/7/2023	Chloroethane	<1.0	1.0	0.500	2,800	N/A	N/A	9/12/2018
MW-24	9/28/2023	Chloroethane	<1.0	1.0	0.500	2,800	N/A	N/A	9/12/2018
MW-24	3/11/2024	Chloroethane	<1.0	1.0	0.500	2,800	N/A	N/A	9/12/2018
MW-24	10/2/2024	Chloroethane	<1.0	1.0	0.500	2,800	N/A	N/A	9/12/2018
MW-24	3/6/2025	Chloroethane	<1.0	1.0	0.500	2,800	N/A	N/A	9/12/2018
MW-24	9/16/2025	Chloroethane	<1.0	1.0	0.500	2,800	N/A	N/A	9/12/2018

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-24	9/16/2016	Ethylbenzene	1.2	1.0	0.263	700	3/15/2017	N/A	9/12/2018
MW-24	3/15/2017	Ethylbenzene	1.9	1.0	0.237	700	3/15/2017	N/A	9/12/2018
MW-24	9/27/2017	Ethylbenzene	<1.0	1.0	0.237	700	3/15/2017	N/A	9/12/2018
MW-24	3/14/2018	Ethylbenzene	<1.0	1.0	0.237	700	3/15/2017	N/A	9/12/2018
MW-24	9/12/2018	Ethylbenzene	<1.0	1.0	0.027	700	3/15/2017	N/A	9/12/2018
MW-24	4/1/2019	Ethylbenzene	4.8	1.0	0.000	700	3/15/2017	N/A	9/12/2018
MW-24	9/12/2019	Ethylbenzene	<1.0	1.0	0.000	700	3/15/2017	N/A	9/12/2018
MW-24	5/6/2020	Ethylbenzene	<1.0	1.0	0.000	700	3/15/2017	N/A	9/12/2018
MW-24	9/3/2020	Ethylbenzene	<1.0	1.0	0.000	700	3/15/2017	N/A	9/12/2018
MW-24	3/30/2021	Ethylbenzene	<1.0	1.0	0.500	700	3/15/2017	N/A	9/12/2018
MW-24	9/8/2021	Ethylbenzene	<1.0	1.0	0.500	700	3/15/2017	N/A	9/12/2018
MW-24	3/31/2022	Ethylbenzene	<1.0	1.0	0.500	700	3/15/2017	N/A	9/12/2018
MW-24	8/30/2022	Ethylbenzene	<1.0	1.0	0.500	700	3/15/2017	N/A	9/12/2018
MW-24	3/7/2023	Ethylbenzene	<1.0	1.0	0.500	700	3/15/2017	N/A	9/12/2018
MW-24	9/28/2023	Ethylbenzene	<1.0	1.0	0.500	700	3/15/2017	N/A	9/12/2018
MW-24	3/11/2024	Ethylbenzene	<1.0	1.0	0.500	700	3/15/2017	N/A	9/12/2018
MW-24	10/2/2024	Ethylbenzene	<1.0	1.0	0.500	700	3/15/2017	N/A	9/12/2018
MW-24	3/6/2025	Ethylbenzene	<1.0	1.0	0.500	700	3/15/2017	N/A	9/12/2018
MW-24	9/16/2025	Ethylbenzene	<1.0	1.0	0.500	700	3/15/2017	N/A	9/12/2018

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-24	9/16/2016	Toluene	5.5	1.0	0.000	1,000	N/A	N/A	9/12/2018
MW-24	3/15/2017	Toluene	<1.0	1.0	0.000	1,000	N/A	N/A	9/12/2018
MW-24	9/27/2017	Toluene	<1.0	1.0	0.000	1,000	N/A	N/A	9/12/2018
MW-24	3/14/2018	Toluene	<1.0	1.0	0.000	1,000	N/A	N/A	9/12/2018
MW-24	9/12/2018	Toluene	<1.0	1.0	0.500	1,000	N/A	N/A	9/12/2018
MW-24	4/1/2019	Toluene	<1.0	1.0	0.500	1,000	N/A	N/A	9/12/2018
MW-24	9/12/2019	Toluene	<1.0	1.0	0.500	1,000	N/A	N/A	9/12/2018
MW-24	5/6/2020	Toluene	<1.0	1.0	0.500	1,000	N/A	N/A	9/12/2018
MW-24	9/3/2020	Toluene	<1.0	1.0	0.500	1,000	N/A	N/A	9/12/2018
MW-24	3/30/2021	Toluene	<1.0	1.0	0.500	1,000	N/A	N/A	9/12/2018
MW-24	9/8/2021	Toluene	<1.0	1.0	0.500	1,000	N/A	N/A	9/12/2018
MW-24	3/31/2022	Toluene	<1.0	1.0	0.500	1,000	N/A	N/A	9/12/2018
MW-24	8/30/2022	Toluene	<1.0	1.0	0.500	1,000	N/A	N/A	9/12/2018
MW-24	3/7/2023	Toluene	<1.0	1.0	0.500	1,000	N/A	N/A	9/12/2018
MW-24	9/28/2023	Toluene	<1.0	1.0	0.500	1,000	N/A	N/A	9/12/2018
MW-24	3/11/2024	Toluene	<1.0	1.0	0.500	1,000	N/A	N/A	9/12/2018
MW-24	10/2/2024	Toluene	<1.0	1.0	0.500	1,000	N/A	N/A	9/12/2018
MW-24	3/6/2025	Toluene	<1.0	1.0	0.500	1,000	N/A	N/A	9/12/2018
MW-24	9/16/2025	Toluene	<1.0	1.0	0.500	1,000	N/A	N/A	9/12/2018

Table 7
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Annual Water Quality Report
Benton County Sanitary Landfill
Permit No. 06-SDP-02-81P

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-24	9/16/2016	Xylenes	2.2	2.0	1.263	10,000	3/15/2017	N/A	9/12/2018
MW-24	3/15/2017	Xylenes	2.3	2.0	1.363	10,000	3/15/2017	N/A	9/12/2018
MW-24	9/27/2017	Xylenes	<2.0	2.0	1.363	10,000	3/15/2017	N/A	9/12/2018
MW-24	3/14/2018	Xylenes	<2.0	2.0	1.363	10,000	3/15/2017	N/A	9/12/2018
MW-24	9/12/2018	Xylenes	<2.0	2.0	1.229	10,000	3/15/2017	N/A	9/12/2018
MW-24	4/1/2019	Xylenes	6.2	2.0	0.000	10,000	3/15/2017	N/A	9/12/2018
MW-24	9/12/2019	Xylenes	<2.0	2.0	0.000	10,000	3/15/2017	N/A	9/12/2018
MW-24	5/6/2020	Xylenes	<2.0	2.0	0.000	10,000	3/15/2017	N/A	9/12/2018
MW-24	9/3/2020	Xylenes	<2.0	2.0	0.000	10,000	3/15/2017	N/A	9/12/2018
MW-24	3/30/2021	Xylenes	<2.0	2.0	1.000	10,000	3/15/2017	N/A	9/12/2018
MW-24	9/8/2021	Xylenes	<2.0	2.0	1.000	10,000	3/15/2017	N/A	9/12/2018
MW-24	3/31/2022	Xylenes	<2.0	2.0	1.000	10,000	3/15/2017	N/A	9/12/2018
MW-24	8/30/2022	Xylenes	<2.0	2.0	1.000	10,000	3/15/2017	N/A	9/12/2018
MW-24	3/7/2023	Xylenes	<2.0	2.0	1.000	10,000	3/15/2017	N/A	9/12/2018
MW-24	9/28/2023	Xylenes	<2.0	2.0	1.000	10,000	3/15/2017	N/A	9/12/2018
MW-24	3/11/2024	Xylenes	<2.0	2.0	1.000	10,000	3/15/2017	N/A	9/12/2018
MW-24	10/2/2024	Xylenes	<2.0	2.0	1.000	10,000	3/15/2017	N/A	9/12/2018
MW-24	3/6/2025	Xylenes	<2.0	2.0	1.000	10,000	3/15/2017	N/A	9/12/2018
MW-24	9/16/2025	Xylenes	<2.0	2.0	1.000	10,000	3/15/2017	N/A	9/12/2018

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

Table 7

KEY:

SSI

SSL LCL>GWPS

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Annual Water Quality Report
Benton County Sanitary Landfill
Permit No. 06-SDP-02-81P

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-25	Bis(2-ethylhexyl)phthalate	3/15/2017	17.0	6.0	---	6.0	9/27/2017	N/A	4/1/2019
MW-25	Bis(2-ethylhexyl)phthalate	9/27/2017	8.0	6.0	---	6.0	9/27/2017	N/A	4/1/2019
MW-25	Bis(2-ethylhexyl)phthalate	3/14/2018	7.0	6.0	---	6.0	9/27/2017	N/A	4/1/2019
MW-25	Bis(2-ethylhexyl)phthalate	9/12/2018	<6.0	6.0	1.799	6.0	9/27/2017	N/A	4/1/2019
MW-25	Bis(2-ethylhexyl)phthalate	4/1/2019	<6.0	6.0	2.156	6.0	9/27/2017	N/A	4/1/2019
MW-25	Bis(2-ethylhexyl)phthalate	9/12/2019	<6.0	6.0	1.647	6.0	9/27/2017	N/A	4/1/2019
MW-25	Bis(2-ethylhexyl)phthalate	5/6/2020	<6.0	6.0	3.000	6.0	9/27/2017	N/A	4/1/2019
MW-25	Bis(2-ethylhexyl)phthalate	9/3/2020	NT	6.0	3.000	6.0	9/27/2017	N/A	4/1/2019
MW-25	Bis(2-ethylhexyl)phthalate	3/30/2021	NT	6.0	3.000	6.0	9/27/2017	N/A	4/1/2019
MW-25	Bis(2-ethylhexyl)phthalate	9/8/2021	NT	6.0	3.000	6.0	9/27/2017	N/A	4/1/2019
MW-25	Bis(2-ethylhexyl)phthalate	3/31/2022	NT	6.0	3.000	6.0	9/27/2017	N/A	4/1/2019
MW-25	Bis(2-ethylhexyl)phthalate	8/30/2022	NT	6.0	3.000	6.0	9/27/2017	N/A	4/1/2019
MW-25	Bis(2-ethylhexyl)phthalate	3/7/2023	NT	6.0	3.000	6.0	9/27/2017	N/A	4/1/2019
MW-25	Bis(2-ethylhexyl)phthalate	9/28/2023	NT	6.0	3.000	6.0	9/27/2017	N/A	4/1/2019
MW-25	Bis(2-ethylhexyl)phthalate	3/11/2024	NT	6.0	3.000	6.0	9/27/2017	N/A	4/1/2019
MW-25	Bis(2-ethylhexyl)phthalate	10/2/2024	NT	6.0	3.000	6.0	9/27/2017	N/A	4/1/2019
MW-25	Bis(2-ethylhexyl)phthalate	3/6/2025	NT	6.0	3.000	6.0	9/27/2017	N/A	4/1/2019
MW-25	Bis(2-ethylhexyl)phthalate	9/16/2025	NT	6.0	3.000	6.0	9/27/2017	N/A	4/1/2019

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 – **AW-2**

Table 8
Summary of Ongoing & Newly Identified SSL
Annual Water Quality Report
Benton County Sanitary Landfill
Permit No. 06-SDP-02-81P

KEY:	SSI	SSL UCL>GWPS

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

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)	SSL Initial Exceedance	Compliance Date 1st Occurrence	Compliance Date Most Recent	Compliance Date Duration (years)
AW-2	Arsenic	9/12/2018	46.8	55.775	51.3	N/A	8/30/2022	9/16/2025	3.5
AW-2	Arsenic	4/1/2019	66.6	64.694	51.3	N/A	8/30/2022	9/16/2025	3.5
AW-2	Arsenic	9/12/2019	62.9	67.922	51.3	N/A	8/30/2022	9/16/2025	3.5
AW-2	Arsenic	5/6/2020	69.2	73.202	51.3	N/A	8/30/2022	9/16/2025	3.5
AW-2	Arsenic	9/3/2020	55.7	70.501	51.3	N/A	8/30/2022	9/16/2025	3.5
AW-2	Arsenic	3/30/2021	38.3	72.221	51.3	N/A	8/30/2022	9/16/2025	3.5
AW-2	Arsenic	9/8/2021	26.4	69.594	51.3	N/A	8/30/2022	9/16/2025	3.5
AW-2	Arsenic	3/31/2022	26.7	52.984	51.3	N/A	8/30/2022	9/16/2025	3.5
AW-2	Arsenic	8/30/2022	41.7	42.555	51.3	N/A	8/30/2022	9/16/2025	3.5
AW-2	Arsenic	3/7/2023	40.5	43.724	51.3	N/A	8/30/2022	9/16/2025	3.5
AW-2	Arsenic	9/28/2023	36.4	44.331	51.3	N/A	8/30/2022	9/16/2025	3.5
AW-2	Arsenic	3/11/2024	27.7	44.029	51.3	N/A	8/30/2022	9/16/2025	3.5
AW-2	Arsenic	10/2/2024	48.1	48.174	51.3	N/A	8/30/2022	9/16/2025	3.5
AW-2	Arsenic	3/6/2025	36.1	46.936	51.3	N/A	8/30/2022	9/16/2025	3.5
AW-2	Arsenic	9/16/2025	68.7	66.079	51.3	N/A	8/30/2022	9/16/2025	3.5

Table 9 – Analytical Data Summary

Table 9

Analytical Data Summary for AW-1

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	6/22/2015	6/23/2015
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-dichloroethene	ug/L						<2		
1,2,3-trichloropropane	ug/L						<1		
1,2-dibromo-3-chloropropane	ug/L						<.12		
1,2-dibromoethane	ug/L						<.13		
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	ug/L						<10		
2-hexanone	ug/L						<10		
4-methyl-2-pentanone	ug/L						<10		
Acetone	ug/L						<10		
Acrylonitrile	ug/L						<10		
Ammonia as n	mg/L								<2 *
Antimony, total	ug/L	<6	<6	<6	<6	<6	<6		
Arsenic, total	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	3.81		
Barium, total	ug/L	148	171	124	188	132	637		
Benzene	ug/L						<.5		
Beryllium, total	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	2.18		
Bicarbonate alkalinity	mg/L as CaCO3								207 *
Bromochloromethane	ug/L						<5		
Bromodichloromethane	ug/L						<1		
Bromoform	ug/L						<5		
Bromomethane	ug/L						<4		
Cadmium, total	ug/L	<.50	<.50	<.50	<.50	<.50	1.52		
Calcium, total	mg/L								67.5 *
Carbon disulfide	ug/L						<1		
Carbon tetrachloride	ug/L						<2		
Carbonate alkalinity	mg/L as CaCO3								<5 *
Chloride	mg/L								8.04 *
Chlorobenzene	ug/L						<1		
Chloroethane	ug/L						<4		
Chloroform	ug/L						<1		
Chloromethane	ug/L						<3		
Chromium, total	ug/L	<20	<20	<20	<20	<20	<5		
Cis-1,2-dichloroethene	ug/L						<1		
Cis-1,3-dichloropropene	ug/L						<5		
Cobalt, total	ug/L	<20.00	<20.00	<1.32	<1.32	<7.00	12.20		
Copper, total	ug/L	<20.0	<20.0	<20.0	<20.0	<20.0	49.9		
Cyanide	mg/L	<.01							
Dibromochloromethane	ug/L						<5		
Dibromomethane	ug/L								
Ethylbenzene	ug/L						<1		
Iodomethane	ug/L						<10		
Iron, total	ug/L								363 *
Lead, total	ug/L	<4.00	<4.00	<4.00	<4.00	<4.00	28.10		1.23
Magnesium, total	mg/L								19.1 *
Manganese, total	ug/L								59.6 *
Mercury, total	ug/L	<.2							
Methylene bromide	ug/L						<1		
Methylene chloride	ug/L						<5		
Nickel, total	ug/L	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0		
Nitrate as n	mg/L								<.1 *
Potassium, total	mg/L								<1.0 *
Selenium, total	ug/L	<5.0	<5.0	<5.0	<5.0	10.4	<5.0		
Silver, total	ug/L	<20	<20	<20	<20	<20	<20		
Sodium, total	mg/L								8.44 *
Styrene	ug/L						<1		
Sulfate	mg/L								37.6 *
Sulfide	mg/L	<1	<1 *						
Tetrachloroethene	ug/L						<1		
Thallium, total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0		
Tin, total	ug/L	<100							
Toluene	ug/L						<1		
Total organic carbon	mg/L								2.99 *
Total suspended solids	mg/L						3830.0 *	121.0	87.8 *
Trans-1,2-dichloroethene	ug/L						<1		
Trans-1,3-dichloropropene	ug/L						<5		
Trans-1,4-dichloro-2-butene	ug/L						<10		
Trichloroethene	ug/L						<1		
Trichlorofluoromethane	ug/L						<4		
Vanadium, total	ug/L	<50	<50	<50	<50	<50	<50		

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

Table 9

Analytical Data Summary for AW-1

Constituents	11/12/2015	4/11/2016	4/12/2016	3/11/2024	10/2/2024	3/6/2025	5/22/2025	9/16/2025
1,1,1,2-tetrachloroethane				<1	<1	<1		<1
1,1,1-trichloroethane				<1	<1	<1		<1
1,1,2,2-tetrachloroethane				<1	<1	<1		<1
1,1,2-trichloroethane				<1	<1	<1		<1
1,1-dichloroethane				<1	<1	<1		<1
1,1-dichloroethene				<1	<1	<1		<1
1,2,3-trichloropropane				<1	<1	<1		<1
1,2-dibromo-3-chloropropane				<5.00	<5.00	<5.00		<5.00
1,2-dibromoethane				<1.00	<1.00	<1.00		<1.00
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				<10	<10	<10		<10
2-hexanone				<5	<5	<5		<5
4-methyl-2-pentanone				<5	<5	<5		<5
Acetone				<10	<10	<10		<10
Acrylonitrile				<5	<5	<5		<5
Ammonia as n	<.2 *	<.2	<.2					
Antimony, total				<2	<2	<2		<1
Arsenic, total	<10.00		<2.00	<4.00	8.70	<4.00		<2.00
Barium, total				361	413	167		356
Benzene				<1.0	<1.0	<1.0		<1.0
Beryllium, total				<4.00	<4.00	<4.00		<.50
Bicarbonate alkalinity	395 *							
Bromochloromethane				<1	<1	<1		<1
Bromodichloromethane				<1	<1	<1		<1
Bromoform				<1	<1	<1		<1
Bromomethane				<1	<1	<1		<1
Cadmium, total				<.80	<.80	<.80		<.20
Calcium, total	119.0 *							
Carbon disulfide				<1	<1	<1		<1
Carbon tetrachloride				<1	<1	<1		<1
Carbonate alkalinity	<5 *							
Chloride	13.10 *							
Chlorobenzene				<1	<1	<1		<1
Chloroethane				<1	<1	<1		<1
Chloroform				<1	<1	<1		<1
Chloromethane				<1	<1	<1		<1
Chromium, total				<8	<8	<8		<1
Cis-1,2-dichloroethene				<1	<1	<1		<1
Cis-1,3-dichloropropene				<1	<1	<1		<1
Cobalt, total	2.47		<.80	10.00	4.00	<.40		4.90
Copper, total				<4.0	<4.0	4.0		<5.0
Cyanide								
Dibromochloromethane				<1	<1	<1		<1
Dibromomethane				<1	<1	<1		<1
Ethylbenzene				<1	<1	<1		<1
Iodomethane				<1	<1	<1		<1
Iron, total	1100 *	269	269					
Lead, total				<4.00	<4.00	<4.00		<1.00
Magnesium, total	38.0 *							
Manganese, total	400.0 *	37.3	37.3					
Mercury, total								
Methylene bromide								
Methylene chloride				<5	<5	<5		<5
Nickel, total				7.2	4.3	<4.0		<5.0
Nitrate as n	<.1 *	<.1	<.1					
Potassium, total	1.2 *							
Selenium, total				<4.0	<4.0	47.7	5.4	<2.0
Silver, total				<4	<4	<4		<5
Sodium, total	9.89 *							
Styrene				<1	<1	<1		<1
Sulfate	41.4 *	22.6	22.6					
Sulfide								
Tetrachloroethene				<1	<1	<1		<1
Thallium, total				<2.0	<2.0	<2.0		<.5
Tin, total								
Toluene				<1	<1	<1		<1
Total organic carbon	3.31 *	1.74	1.74					
Total suspended solids	1770.0 *	66.4	66.4					
Trans-1,2-dichloroethene				<1	<1	<1		<1
Trans-1,3-dichloropropene				<1	<1	<1		<1
Trans-1,4-dichloro-2-butene				<5	<5	<5		<5
Trichloroethene				<1	<1	<1		<1
Trichlorofluoromethane				<1	<1	<1		<1
Vanadium, total				<20	<20	<20		<2

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

Table 9

Analytical Data Summary for AW-1

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	6/22/2015	6/23/2015
Vinyl acetate	ug/L						<10		
Vinyl chloride	ug/L						<1		
Xylenes, total	ug/L						<3		
Zinc, total	ug/L	<20.0	<20.0	24.1	45.9	<20.0	82.7		

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

Table 9

Analytical Data Summary for AW-1

Constituents	11/12/2015	4/11/2016	4/12/2016	3/11/2024	10/2/2024	3/6/2025	5/22/2025	9/16/2025
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		10.7

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

Table 9

Analytical Data Summary for AW-2

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	6/22/2015
(3,4)-methylphenol	ug/L							
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-dichloroethene	ug/L						<2	
1,1-dichloropropene	ug/L							
1,2,3-trichloropropane	ug/L						<1	
1,2,4,5-tetrachlorobenzene	ug/L							
1,2,4-trichlorobenzene	ug/L							
1,2-dibromo-3-chloropropane	ug/L						<.12	
1,2-dibromoethane	ug/L						<.13	
1,2-dichlorobenzene	ug/L						<1	
1,2-dichloroethane	ug/L						<1	
1,2-dichloropropane	ug/L						<1	
1,2-dinitrobenzene	ug/L							
1,3,5-trinitrobenzene	ug/L							
1,3-dichlorobenzene	ug/L							
1,3-dichloropropane	ug/L							
1,3-dinitrobenzene	ug/L							
1,4-dichlorobenzene	ug/L						<1	
1,4-naphthoquinone	ug/L							
1,4-phenylenediamine	ug/L							
1-naphthylamine	ug/L							
2,2-dichloropropane	ug/L							
2,3,4,6-tetrachlorophenol	ug/L							
2,4,5-t	ug/L							
2,4,5-tp (silvex)	ug/L							
2,4,5-trichlorophenol	ug/L							
2,4,6-trichlorophenol	ug/L							
2,4-d	ug/L							
2,4-dichlorophenol	ug/L							
2,4-dimethylphenol	ug/L							
2,4-dinitrophenol	ug/L							
2,4-dinitrotoluene	ug/L							
2,6-dichlorophenol	ug/L							
2,6-dinitrotoluene	ug/L							
2-acetylaminofluorene	ug/L							
2-butanone	ug/L						<10.0	
2-chloronaphthalene	ug/L							
2-chlorophenol	ug/L							
2-hexanone	ug/L						<10	
2-methylnaphthalene	ug/L							
2-methylphenol (o-cresol)	ug/L							
2-naphthylamine	ug/L							
2-nitroaniline	ug/L							
2-nitrophenol	ug/L							
3,3'-dichlorobenzidine	ug/L							
3,3-dimethylbenzidine	ug/L							
3-methylcholanthrene	ug/L							
3-nitroaniline	ug/L							
4,4'-ddd	ug/L							
4,4'-dde	ug/L							
4,4'-ddt	ug/L							
4,6-dinitro-2-methylphenol	ug/L							
4-aminobiphenyl	ug/L							
4-bromophenyl phenyl ether	ug/L							
4-chloro-3-methylphenol	ug/L							
4-chloroaniline	ug/L							
4-chlorophenyl phenyl ether	ug/L							
4-methyl-2-pentanone	ug/L						<10	
4-nitroaniline	ug/L							
4-nitrophenol	ug/L							
5-nitro-o-toluidine	ug/L							
7,12-dimethylbenz [a] anthracene	ug/L							
Acenaphthene	ug/L							
Acenaphthylene	ug/L							
Acetone	ug/L						<10.0	
Acetonitrile	ug/L							
Acetophenone	ug/L							
Acrolein	ug/L							
Acrylonitrile	ug/L						<10	
Aldrin	ug/L							
Allyl chloride	ug/L							
Alpha-bhc	ug/L							
Ammonia as n	mg/L							

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

Table 9

Analytical Data Summary for AW-2

Constituents	6/23/2015	11/12/2015	4/11/2016	9/16/2016	3/15/2017	9/27/2017	12/13/2017	3/14/2018	6/5/2018
(3,4)-methylphenol					<8				
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1		<1	
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1		<1	
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1		<1	
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1		<1	
1,1-dichloroethane	<1	<1	<1	<1	<1	<1		<1	
1,1-dichloroethene	<2	<2	<2	<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	<.50	<.50	<.50	<1.00	<1.00	<1.00		<1.00	
1,2-dibromoethane	<.13	<.13	<.13	<1.00	<1.00	<1.00		<1.00	
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	<10.0	<10.0	<10.0	<5.0	<5.0	<5.0		<5.0	
2-chloronaphthalene					<8				
2-chlorophenol					<8				
2-hexanone	<10	<10	<10	<5	<5	<5		<5	
2-methylnaphthalene					<8				
2-methylphenol (o-cresol)					<8				
2-naphthylamine					<8				
2-nitroaniline					<8				
2-nitrophenol					<8				
3,3'-dichlorobenzidine					<8				
3,3-dimethylbenzidine					<8				
3-methylcholanthrene					<8				
3-nitroaniline					<8				
4,4'-ddd					<.05				
4,4'-dde					<.05				
4,4'-ddt					<.05				
4,6-dinitro-2-methylphenol					<8				
4-aminobiphenyl					<8				
4-bromophenyl phenyl ether					<8				
4-chloro-3-methylphenol					<8				
4-chloroaniline					<8				
4-chlorophenyl phenyl ether					<8				
4-methyl-2-pentanone	<10	<10	<10	<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	14.4		<10.0	
Acetonitrile					<10				
Acetophenone					<8				
Acrolein					<10				
Acrylonitrile	<10	<10	<10	<5	<5	<5		<5	
Aldrin					<.05				
Allyl chloride					<1				
Alpha-bhc					<.05				
Ammonia as n	.391 *	.261 *	<.200 *						

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

Table 9

Analytical Data Summary for AW-2

Constituents	9/12/2018	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022
(3,4)-methylphenol								<8	
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethene	<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	<1.00	<1.00	<1.00	<5.00	<5.00	<5.00	<5.00	<1.00	<5.00
1,2-dibromoethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
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	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	8.5	<5.0	<10.0
2-chloronaphthalene								<8	
2-chlorophenol								<8	
2-hexanone	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene								<8	
2-methylphenol (o-cresol)								<8	
2-naphthylamine								<8	
2-nitroaniline								<8	
2-nitrophenol								<8	
3,3'-dichlorobenzidine								<8	
3,3-dimethylbenzidine								<8	
3-methylcholanthrene								<8	
3-nitroaniline								<8	
4,4'-ddd								<.05	
4,4'-dde								<.05	
4,4'-ddt								<.05	
4,6-dinitro-2-methylphenol								<8	
4-aminobiphenyl								<8	
4-bromophenyl phenyl ether								<8	
4-chloro-3-methylphenol								<8	
4-chloroaniline								<8	
4-chlorophenyl phenyl ether								<8	
4-methyl-2-pentanone	<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	138.0	<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	
Ammonia as n									

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

Table 9

Analytical Data Summary for AW-2

Constituents	3/7/2023	9/28/2023	3/11/2024	10/2/2024	3/6/2025	9/16/2025
(3,4)-methylphenol						
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethene	<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	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
1,2-dibromoethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
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	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
2-chloronaphthalene						
2-chlorophenol						
2-hexanone	<5	<5	<5	<5	<5	<5
2-methylnaphthalene						
2-methylphenol (o-cresol)						
2-naphthylamine						
2-nitroaniline						
2-nitrophenol						
3,3'-dichlorobenzidine						
3,3-dimethylbenzidine						
3-methylcholanthrene						
3-nitroaniline						
4,4'-ddd						
4,4'-dde						
4,4'-ddt						
4,6-dinitro-2-methylphenol						
4-aminobiphenyl						
4-bromophenyl phenyl ether						
4-chloro-3-methylphenol						
4-chloroaniline						
4-chlorophenyl phenyl ether						
4-methyl-2-pentanone	<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						
Ammonia as n						

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

Table 9

Analytical Data Summary for AW-2

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	6/22/2015
Anthracene	ug/L							
Antimony, total	ug/L	<6.00	<12.00	<6.00	9.11	<6.00	<6.00	
Arochlor 1016	ug/L							
Arochlor 1221	ug/L							
Arochlor 1232	ug/L							
Arochlor 1242	ug/L							
Arochlor 1248	ug/L							
Arochlor 1254	ug/L							
Arochlor 1260	ug/L							
Arsenic, total	ug/L	15.60	4.64	19.10	9.92	8.71	<1.00	
Azobenzene	ug/L							
Barium, total	ug/L	130	122	162	365	220	893	
Benzene	ug/L						1.870	
Benzo(a)anthracene	ug/L							
Benzo(a)pyrene	ug/L							
Benzo(b)fluoranthene	ug/L							
Benzo(g,h,i)perylene	ug/L							
Benzo(k)fluoranthene	ug/L							
Benzyl alcohol	ug/L							
Beryllium, total	ug/L	<1.00	<1.00	<1.00	2.09	1.12	8.54	
Beta-bhc	ug/L							
Bicarbonate alkalinity	mg/L as CaCO3							
Bis (2-chloroethoxy) methane	ug/L							
Bis(2-chloroethyl) ether	ug/L							
Bis(2-ethylhexyl) phthalate	ug/L							
Bis[2-chloroisopropyl]ether	ug/L							
Bromochloromethane	ug/L							<5
Bromodichloromethane	ug/L							<1
Bromoform	ug/L							<5
Bromomethane	ug/L							<4
Butyl benzyl phthalate	ug/L							
Cadmium, total	ug/L	<.50	<.50	<.50	1.42	1.30	1.39	
Calcium, total	mg/L							
Carbon disulfide	ug/L							<1
Carbon tetrachloride	ug/L							<2
Carbonate alkalinity	mg/L as CaCO3							
Chlordane	ug/L							
Chloride	mg/L							
Chlorobenzene	ug/L							<1
Chlorobenzilate	ug/L							
Chloroethane	ug/L							<4
Chloroform	ug/L							<1
Chloromethane	ug/L							<3
Chloroprene	ug/L							
Chromium, total	ug/L	<20	<20	<20	<20	<20	<20	
Chrysene	ug/L							
Cis-1,2-dichloroethene	ug/L							<1
Cis-1,3-dichloropropene	ug/L							<5
Cobalt, total	ug/L	27.6	25.5	32.3	44.0	33.3	99.8	
Copper, total	ug/L	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	
Cyanide	mg/L	<.010						
Delta-bhc	ug/L							
Diallate	ug/L							
Dibenzo(a,h)anthracene	ug/L							
Dibenzofuran	ug/L							
Dibromochloromethane	ug/L							<5
Dibromomethane	ug/L							
Dichlorodifluoromethane	ug/L							
Dieldrin	ug/L							
Diethyl phthalate	ug/L							
Dimethoate	ug/L							
Dimethylphthalate	ug/L							
Di-n-butyl phthalate	ug/L							
Di-n-octyl phthalate	ug/L							
Dinoseb	ug/L							
Diphenylamine	ug/L							
Disulfoton	ug/L							
Endosulfan i	ug/L							
Endosulfan ii	ug/L							
Endosulfan sulfate	ug/L							
Endrin	ug/L							
Endrin aldehyde	ug/L							
Ethyl methacrylate	ug/L							
Ethyl methanesulfonate	ug/L							
Ethylbenzene	ug/L							<1
Famphur	ug/L							
Fluoranthene	ug/L							

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

Table 9

Analytical Data Summary for AW-2

Constituents	6/23/2015	11/12/2015	4/11/2016	9/16/2016	3/15/2017	9/27/2017	12/13/2017	3/14/2018	6/5/2018
Anthracene					<8				
Antimony, total	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00		<2.00	
Arochlor 1016					<.1				
Arochlor 1221					<.2				
Arochlor 1232					<.2				
Arochlor 1242					<.2				
Arochlor 1248					<.2				
Arochlor 1254					<.1				
Arochlor 1260					<.1				
Arsenic, total	43.20	48.40	62.00	50.50	49.40	37.40		54.50	50.20
Azobenzene					<8				
Barium, total	188	281	213	122	113	117		211	
Benzene	1.950	.961	1.020	<1.000	<1.000	<1.000		<1.000	
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	<1.00	<1.00	<1.00	<4.00	<4.00	<4.00		<4.00	
Beta-bhc					<.05				
Bicarbonate alkalinity	671 *	589 *							
Bis (2-chloroethoxy) methane					<8				
Bis(2-chloroethyl) ether					<8				
Bis(2-ethylhexyl) phthalate					<8				
Bis[2-chloroisopropyl]ether					<8				
Bromochloromethane	<5	<5	<5	<1	<1	<1		<1	
Bromodichloromethane	<1	<1	<1	<1	<1	<1		<1	
Bromoform	<5	<5	<5	<1	<1	<1		<1	
Bromomethane	<4	<4	<4	<1	<1	<1		<1	
Butyl benzyl phthalate					<8				
Cadmium, total	<.50	<.50	1.42	<.80	<.80	<.80		<.80	
Calcium, total	179 *	154 *							
Carbon disulfide	<5	<1	<1	<1	<1	<1		<1	
Carbon tetrachloride	<2	<2	<2	<1	<1	<1		<1	
Carbonate alkalinity	<5 *	<5 *							
Chlordane					<.1				
Chloride	5.94 *	3.86 *							
Chlorobenzene	<1	<1	<1	<1	<1	<1		<1	
Chlorobenzilate					<8				
Chloroethane	<1	<4	<4	<1	<1	<1		<1	
Chloroform	<1	<1	<1	<1	<1	<1		<1	
Chloromethane	<3	<3	<3	<1	<1	<1		<1	
Chloroprene					<1				
Chromium, total	<5	<5	<5	<8	<8	<8		<8	
Chrysene					<8				
Cis-1,2-dichloroethene	<1	<1	<1	<1	<1	<1		<1	
Cis-1,3-dichloropropene	<5	<5	<5	<1	<1	<1		<1	
Cobalt, total	27.2	27.2	22.8	18.4	16.9	15.2		28.2	
Copper, total	<2.00	2.88	11.00	<4.00	<4.00	7.50		<4.00	
Cyanide					.009	<.005			
Delta-bhc					<.05				
Diallate					<8				
Dibenzo(a,h)anthracene					<8				
Dibenzofuran					<8				
Dibromochloromethane	<5	<5	<5	<1	<1	<1		<1	
Dibromomethane				<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				

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

Table 9

Analytical Data Summary for AW-2

Constituents	9/12/2018	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022
Anthracene								<8	
Antimony, total	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Arochlor 1016								<.1	
Arochlor 1221								<.2	
Arochlor 1232								<.2	
Arochlor 1242								<.2	
Arochlor 1248								<.2	
Arochlor 1254								<.1	
Arochlor 1260								<.1	
Arsenic, total	46.80	66.60	62.90	69.20	55.70	38.30	26.40	26.70	41.70
Azobenzene								<8	
Barium, total	214	137	101	118	122	126	145	182	120
Benzene	1.000	<1.000	<1.000	<1.000	<1.000	<1.000	1.400	<1.000	<1.000
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	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Beta-bhc								<.05	
Bicarbonate alkalinity									
Bis (2-chloroethoxy) methane								<8	
Bis(2-chloroethyl) ether								<8	
Bis(2-ethylhexyl) phthalate								<6	
Bis[2-chloroisopropyl]ether								<8	
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate								<8	
Cadmium, total	<.80	<.80	<.80	<.80	<.80	<.80	<.80	<.80	<.80
Calcium, total									
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbonate alkalinity									
Chlordane								<.1	
Chloride									
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate								<8	
Chloroethane	<1	<1	<1	<1	<1	<1	1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene								<1	
Chromium, total	<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene								<8	
Cis-1,2-dichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	10.1	9.6	10.1	7.7	10.6	8.8	10.0	8.9	12.0
Copper, total	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Cyanide	<.005	<.005	<.005	<.005				<.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	

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

Table 9

Analytical Data Summary for AW-2

Constituents	3/7/2023	9/28/2023	3/11/2024	10/2/2024	3/6/2025	9/16/2025
Anthracene						
Antimony, total	<2.00	<2.00	<2.00	<2.00	<2.00	<1.00
Arochlor 1016						
Arochlor 1221						
Arochlor 1232						
Arochlor 1242						
Arochlor 1248						
Arochlor 1254						
Arochlor 1260						
Arsenic, total	40.50	36.40	27.70	48.10	36.10	68.70
Azobenzene						
Barium, total	133	150	138	141	132	148
Benzene	<1.000	<1.000	<1.000	<1.000	<1.000	<1.000
Benzo(a)anthracene						
Benzo(a)pyrene						
Benzo(b)fluoranthene						
Benzo(g,h,i)perylene						
Benzo(k)fluoranthene						
Benzyl alcohol						
Beryllium, total	<4.00	<4.00	<4.00	<4.00	<4.00	<.50
Beta-bhc						
Bicarbonate alkalinity						
Bis (2-chloroethoxy) methane						
Bis(2-chloroethyl) ether						
Bis(2-ethylhexyl) phthalate						
Bis[2-chloroisopropyl]ether						
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	<.80	<.80	<.80	<.80	<.80	<.20
Calcium, total						
Carbon disulfide	<1	<1	<1	<1	<1	2
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Carbonate alkalinity						
Chlordane						
Chloride						
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	<8	<8	<8	<8	<1
Chrysene						
Cis-1,2-dichloroethene	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Cobalt, total	12.5	5.4	14.2	13.1	10.3	8.8
Copper, total	<4.00	<4.00	<4.00	<4.00	<4.00	<5.00
Cyanide						
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						

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

Table 9

Analytical Data Summary for AW-2

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	6/22/2015
Fluorene	ug/L							
Gamma-bhc [lindane]	ug/L							
Heptachlor	ug/L							
Heptachlor epoxide	ug/L							
Hexachlorobenzene	ug/L							
Hexachlorobutadiene	ug/L							
Hexachlorocyclopentadiene	ug/L							
Hexachloroethane	ug/L							
Hexachloropropene	ug/L							
Indeno(1,2,3-cd)pyrene	ug/L							
Iodomethane	ug/L						<10	
Iron, total	ug/L							
Isobutanol	mg/L							
Isodrin	ug/L							
Isophorone	ug/L							
Isosafrole	ug/L							
Kepone	ug/L							
Lead, total	ug/L	<4.00	<4.00	<4.00	12.20	6.68	6.78	
Magnesium, total	mg/L							
Manganese, total	ug/L							
Mercury, total	ug/L	<.2						
Methacrylonitrile	ug/L							
Methapyrilene	ug/L							
Methoxychlor	ug/L							
Methyl methacrylate	ug/L							
Methyl methanesulfonate	ug/L							
Methyl parathion	ug/L							
Methylene bromide	ug/L							<1
Methylene chloride	ug/L							<5
Naphthalene	ug/L							
Nickel, total	ug/L	<50.0	<50.0	<50.0	76.5	62.1	233.0	
Nitrate as n	mg/L							
Nitrobenzene	ug/L							
N-nitrosodiethylamine	ug/L							
N-nitrosodimethylamine	ug/L							
N-nitrosodi-n-butylamine	ug/L							
N-nitroso-di-n-propylamine	ug/L							
N-nitrosodiphenylamine	ug/L							
N-nitrosomethylethylamine	ug/L							
N-nitrosopiperidine	ug/L							
N-nitrosopyrrolidine	ug/L							
O,o,o-triethyl phosphorothioate	ug/L							
O-toluidine	ug/L							
P-(dimethylamino)azobenzene	ug/L							
Parathion	ug/L							
Pentachlorobenzene	ug/L							
Pentachloronitrobenzene (pcnb)	ug/L							
Pentachlorophenol	ug/L							
Phenacetin	ug/L							
Phenanthrene	ug/L							
Phenol	ug/L							
Phorate	ug/L							
Potassium, total	mg/L							
Pronamide	ug/L							
Propionitrile	ug/L							
Pyrene	ug/L							
Safrole	ug/L							
Selenium, total	ug/L	<5	<5	<5	<5	<5	<5	
Silver, total	ug/L	<20	<20	<20	<20	<20	<20	
Sodium, total	mg/L							
Styrene	ug/L							<1
Sulfate	mg/L							
Sulfide	mg/L	<1.0						
Tetrachloroethene	ug/L							<1
Thallium, total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Thionazin	ug/L							
Tin, total	ug/L	<100						
Toluene	ug/L							<1
Total organic carbon	mg/L							
Total suspended solids	mg/L						6720 *	852
Toxaphene	ug/L							
Trans-1,2-dichloroethene	ug/L							<1
Trans-1,3-dichloropropene	ug/L							<5
Trans-1,4-dichloro-2-butene	ug/L							<10
Trichloroethene	ug/L							<1
Trichlorofluoromethane	ug/L							<4
Vanadium, total	ug/L	<50.00	<50.00	<50.00	<50.00	<50.00	131.00	

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

Table 9

Analytical Data Summary for AW-2

Constituents	6/23/2015	11/12/2015	4/11/2016	9/16/2016	3/15/2017	9/27/2017	12/13/2017	3/14/2018	6/5/2018
Fluorene					<8				
Gamma-bhc [lindane]					<.05				
Heptachlor					<.05				
Heptachlor epoxide					<.05				
Hexachlorobenzene					<.05				
Hexachlorobutadiene					<8				
Hexachlorocyclopentadiene					<8				
Hexachloroethane					<8				
Hexachloropropene					<8				
Indeno(1,2,3-cd)pyrene					<8				
Iodomethane	<10	<10	<10	<1	<1	<1		<1	
Iron, total	50600 *	50100 *	59900 *						
Isobutanol					<1				
Isodrin					<8				
Isophorone					<8				
Isosafrole					<8				
Kepone					<8				
Lead, total	4.81	7.81	9.73	<4.00	<4.00	<4.00		<4.00	
Magnesium, total	73.6 *	75.6 *							
Manganese, total	35000 *	36100 *	31900 *						
Mercury, total					<.5				
Methacrylonitrile					<1				
Methapyrilene					<8				
Methoxychlor					<.05				
Methyl methacrylate					<1				
Methyl methanesulfonate					<8				
Methyl parathion					<.4				
Methylene bromide	<1	<1	<1						
Methylene chloride	<5	<5	<5	<5	<5	<5		<5	
Naphthalene					<8				
Nickel, total	22.6	49.9	21.2	13.6	13.9	14.2		28.9	14.0
Nitrate as n	<.10 *	<.10 *	1.17 *						
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				
P-(dimethylamino)azobenzene					<8				
Parathion					<.4				
Pentachlorobenzene					<8				
Pentachloronitrobenzene (pcnb)					<8				
Pentachlorophenol					<8				
Phenacetin					<8				
Phenanthrene					<8				
Phenol					<8				
Phorate					<.4				
Potassium, total	<1 *	<1 *							
Pronamide					<8				
Propionitrile					<10				
Pyrene					<8				
Safrole					<8				
Selenium, total	<5	<5	<5	<4	<4	<4		<4	
Silver, total	<1	<1	<1	<4	<4	<4		<4	
Sodium, total	14.1 *	14.2 *							
Styrene	<1	<1	<1	<1	<1	<1		<1	
Sulfate	136 *	121 *	144 *						
Sulfide					<1.0				
Tetrachloroethene	<1	<1	<1	<1	<1	<1		<1	
Thallium, total	<2.0	<2.0	<2.0	<4.0	<4.0	<4.0		<4.0	
Thionazin					<.4				
Tin, total					<20				
Toluene	<1	<1	<1	<1	<1	<1		<1	
Total organic carbon	6.00 *	7.09 *	5.26 *						
Total suspended solids	1264 *	2180 *	2120 *	107	4090				
Toxaphene					<.2				
Trans-1,2-dichloroethene	<1	<1	<1	<1	<1	<1		<1	
Trans-1,3-dichloropropene	<5	<5	<5	<1	<1	<1		<1	
Trans-1,4-dichloro-2-butene	<10	<10	<10	<5	<5	<5		<5	
Trichloroethene	<1	<1	<1	<1	<1	<1		<1	
Trichlorofluoromethane	<4	<4	<4	<1	<1	<1		<1	
Vanadium, total	8.38	15.00	11.20	<20.00	<20.00	<20.00		<20.00	

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

Table 9

Analytical Data Summary for AW-2

Constituents	9/12/2018	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022
Fluorene								<8	
Gamma-bhc [lindane]								<.05	
Heptachlor								<.05	
Heptachlor epoxide								<.05	
Hexachlorobenzene								<.05	
Hexachlorobutadiene								<8	
Hexachlorocyclopentadiene								<8	
Hexachloroethane								<8	
Hexachloropropene								<8	
Indeno(1,2,3-cd)pyrene								<8	
Iodomethane	<1	<1	<1	<1	<1	<1	<1	<2	<1
Iron, total									
Isobutanol								<1	
Isodrin								<8	
Isophorone								<8	
Isosafrole								<8	
Kepone								<8	
Lead, total	<4.00	<4.00	<4.00	<4.00	5.00	<4.00	<4.00	<4.00	<4.00
Magnesium, total									
Manganese, total									
Mercury, total								<.5	
Methacrylonitrile								<1	
Methapyrilene								<8	
Methoxychlor								<.05	
Methyl methacrylate								<1	
Methyl methanesulfonate								<8	
Methyl parathion								<.4	
Methylene bromide									
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene								<8	
Nickel, total	7.0	6.2	8.6	5.9	10.2	8.5	11.1	8.7	11.0
Nitrate as n									
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	
P-(dimethylamino)azobenzene								<8	
Parathion								<.4	
Pentachlorobenzene								<8	
Pentachloronitrobenzene (pcnb)								<8	
Pentachlorophenol								<8	
Phenacetin								<8	
Phenanthrene								<8	
Phenol								<8	
Phorate								<.4	
Potassium, total									
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
Sodium, total									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate									
Sulfide								<.2	
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin								<.4	
Tin, total								<20	
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total organic carbon									
Total suspended solids									
Toxaphene								<.2	
Trans-1,2-dichloroethene	<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
Trichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00

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

Table 9

Analytical Data Summary for AW-2

Constituents	3/7/2023	9/28/2023	3/11/2024	10/2/2024	3/6/2025	9/16/2025
Fluorene						
Gamma-bhc [lindane]						
Heptachlor						
Heptachlor epoxide						
Hexachlorobenzene						
Hexachlorobutadiene						
Hexachlorocyclopentadiene						
Hexachloroethane						
Hexachloropropene						
Indeno(1,2,3-cd)pyrene						
Iodomethane	<1	<1	<1	<1	<1	<1
Iron, total						
Isobutanol						
Isodrin						
Isophorone						
Isosafrole						
Kepone						
Lead, total	<4.00	<4.00	<4.00	<4.00	<4.00	<1.00
Magnesium, total						
Manganese, total						
Mercury, total						
Methacrylonitrile						
Methapyrilene						
Methoxychlor						
Methyl methacrylate						
Methyl methanesulfonate						
Methyl parathion						
Methylene bromide						
Methylene chloride	<5	<5	<5	<5	<5	<5
Naphthalene						
Nickel, total	11.6	5.0	12.8	9.2	9.3	6.2
Nitrate as n						
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						
P-(dimethylamino)azobenzene						
Parathion						
Pentachlorobenzene						
Pentachloronitrobenzene (pcnb)						
Pentachlorophenol						
Phenacetin						
Phenanthrene						
Phenol						
Phorate						
Potassium, total						
Pronamide						
Propionitrile						
Pyrene						
Safrole						
Selenium, total	<4	<4	<4	<4	<4	<2
Silver, total	<4	<4	<4	<4	<4	<5
Sodium, total						
Styrene	<1	<1	<1	<1	<1	<1
Sulfate						
Sulfide						
Tetrachloroethene	<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
Total organic carbon						
Total suspended solids						
Toxaphene						
Trans-1,2-dichloroethene	<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
Trichloroethene	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1
Vanadium, total	<20.00	<20.00	<20.00	<20.00	<20.00	<2.00

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

Table 9

Analytical Data Summary for AW-2

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	6/22/2015
Vinyl acetate	ug/L						<10	
Vinyl chloride	ug/L						<1	
Xylenes, total	ug/L						<3	
Zinc, total	ug/L	<20.0	<20.0	41.3	99.2	<20.0	161.0	

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

Table 9

Analytical Data Summary for AW-2

Constituents	6/23/2015	11/12/2015	4/11/2016	9/16/2016	3/15/2017	9/27/2017	12/13/2017	3/14/2018	6/5/2018
Vinyl acetate	<10	<10	<10	<5	<5	<5		<5	
Vinyl chloride	<1	<1	<1	<1	<1	<1		<1	
Xylenes, total	<3	<3	<3	<2	<2	<2		<2	
Zinc, total	22.7	64.2	27.0	<8.0	<8.0	24.8	<8.0	<8.0	

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

Table 9

Analytical Data Summary for AW-2

Constituents	9/12/2018	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022
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	31.9	49.1	<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 AW-2

Constituents	3/7/2023	9/28/2023	3/11/2024	10/2/2024	3/6/2025	9/16/2025
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	16.5

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

Table 9

Analytical Data Summary for AW-3

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	6/22/2015
(3,4)-methylphenol	ug/L							
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						<1.00	
1,1-dichloroethene	ug/L						<2	
1,1-dichloropropene	ug/L							
1,2,3-trichloropropane	ug/L						<1	
1,2,4,5-tetrachlorobenzene	ug/L							
1,2,4-trichlorobenzene	ug/L							
1,2-dibromo-3-chloropropane	ug/L						<.12	
1,2-dibromoethane	ug/L						<.13	
1,2-dichlorobenzene	ug/L						<1	
1,2-dichloroethane	ug/L						<1	
1,2-dichloropropane	ug/L						<1	
1,2-dinitrobenzene	ug/L							
1,3,5-trinitrobenzene	ug/L							
1,3-dichlorobenzene	ug/L							
1,3-dichloropropane	ug/L							
1,3-dinitrobenzene	ug/L							
1,4-dichlorobenzene	ug/L						2.8	
1,4-naphthoquinone	ug/L							
1,4-phenylenediamine	ug/L							
1-naphthylamine	ug/L							
2,2-dichloropropane	ug/L							
2,3,4,6-tetrachlorophenol	ug/L							
2,4,5-t	ug/L							
2,4,5-tp (silvex)	ug/L							
2,4,5-trichlorophenol	ug/L							
2,4,6-trichlorophenol	ug/L							
2,4-d	ug/L							
2,4-dichlorophenol	ug/L							
2,4-dimethylphenol	ug/L							
2,4-dinitrophenol	ug/L							
2,4-dinitrotoluene	ug/L							
2,6-dichlorophenol	ug/L							
2,6-dinitrotoluene	ug/L							
2-acetylaminofluorene	ug/L							
2-butanone	ug/L						<10	
2-chloronaphthalene	ug/L							
2-chlorophenol	ug/L							
2-hexanone	ug/L						<10	
2-methylnaphthalene	ug/L							
2-methylphenol (o-cresol)	ug/L							
2-naphthylamine	ug/L							
2-nitroaniline	ug/L							
2-nitrophenol	ug/L							
3,3'-dichlorobenzidine	ug/L							
3,3-dimethylbenzidine	ug/L							
3-methylcholanthrene	ug/L							
3-nitroaniline	ug/L							
4,4'-ddd	ug/L							
4,4'-dde	ug/L							
4,4'-ddt	ug/L							
4,6-dinitro-2-methylphenol	ug/L							
4-aminobiphenyl	ug/L							
4-bromophenyl phenyl ether	ug/L							
4-chloro-3-methylphenol	ug/L							
4-chloroaniline	ug/L							
4-chlorophenyl phenyl ether	ug/L							
4-methyl-2-pentanone	ug/L						<10	
4-nitroaniline	ug/L							
4-nitrophenol	ug/L							
5-nitro-o-toluidine	ug/L							
7,12-dimethylbenz [a] anthracene	ug/L							
Acenaphthene	ug/L							
Acenaphthylene	ug/L							
Acetone	ug/L						<10.0	
Acetonitrile	ug/L							
Acetophenone	ug/L							
Acrolein	ug/L							
Acrylonitrile	ug/L						<10	
Aldrin	ug/L							
Allyl chloride	ug/L							
Alpha-bhc	ug/L							
Ammonia as n	mg/L							

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

Table 9

Analytical Data Summary for AW-3

Constituents	6/23/2015	11/12/2015	11/13/2015	4/11/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018	6/5/2018
(3,4)-methylphenol						<8			
1,1,1,2-tetrachloroethane	<1		<1	<1	<1	<1	<1	<1	
1,1,1-trichloroethane	<1		<1	<1	<1	<1	<1	<1	
1,1,2,2-tetrachloroethane	<1		<1	<1	<1	<1	<1	<1	
1,1,2-trichloroethane	<1		<1	<1	<1	<1	<1	<1	
1,1-dichloroethane	<1.00		<1.00	1.02	1.20	2.50	1.60	<1.00	
1,1-dichloroethene	<2		<2	<2	<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	<.50		<.50	<.50	<1.00	<1.00	<1.00	<1.00	
1,2-dibromoethane	<.13		<.13	<.13	<1.00	<1.00	<1.00	<1.00	
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	<1.0		<1.0	<1.0	1.9	<1.0	1.1	3.5	
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	<10		<10	<10	<5	<5	<5	<5	
2-chloronaphthalene						<8			
2-chlorophenol						<8			
2-hexanone	<10		<10	<10	<5	<5	<5	<5	
2-methylnaphthalene						<8			
2-methylphenol (o-cresol)						<8			
2-naphthylamine						<8			
2-nitroaniline						<8			
2-nitrophenol						<8			
3,3'-dichlorobenzidine						<8			
3,3-dimethylbenzidine						<8			
3-methylcholanthrene						<8			
3-nitroaniline						<8			
4,4'-ddd						<.05			
4,4'-dde						<.05			
4,4'-ddt						<.05			
4,6-dinitro-2-methylphenol						<8			
4-aminobiphenyl						<8			
4-bromophenyl phenyl ether						<8			
4-chloro-3-methylphenol						<8			
4-chloroaniline						<8			
4-chlorophenyl phenyl ether						<8			
4-methyl-2-pentanone	<10		<10	<10	<5	<5	<5	<5	
4-nitroaniline						<8			
4-nitrophenol						<8			
5-nitro-o-toluidine						<8			
7,12-dimethylbenz [a] anthracene						<8			
Acenaphthene						<8			
Acenaphthylene						<8			
Acetone	<10.0		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	
Acetonitrile						<10			
Acetophenone						<8			
Acrolein						<10			
Acrylonitrile	<10		<10	<10	<5	<5	<5	<5	
Aldrin						<.05			
Allyl chloride						<1			
Alpha-bhc						<.05			
Ammonia as n	1.440 *		1.050 *	.535 *					

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

Table 9

Analytical Data Summary for AW-3

Constituents	9/12/2018	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022
(3,4)-methylphenol								<8	
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-dichloroethene	<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	<1.00	<1.00	<1.00	<5.00	<5.00	<5.00	<5.00	<1.00	<5.00
1,2-dibromoethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
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	4.0	2.6	<1.0	2.2	2.0	2.8	3.8	2.3	2.2
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	6	<5	<5	<5	<5	<5	<5	<5	<10
2-chloronaphthalene								<8	
2-chlorophenol								<8	
2-hexanone	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene								<8	
2-methylphenol (o-cresol)								<8	
2-naphthylamine								<8	
2-nitroaniline								<8	
2-nitrophenol								<8	
3,3'-dichlorobenzidine								<8	
3,3-dimethylbenzidine								<8	
3-methylcholanthrene								<8	
3-nitroaniline								<8	
4,4'-ddd								<.05	
4,4'-dde								<.05	
4,4'-ddt								<.05	
4,6-dinitro-2-methylphenol								<8	
4-aminobiphenyl								<8	
4-bromophenyl phenyl ether								<8	
4-chloro-3-methylphenol								<8	
4-chloroaniline								<8	
4-chlorophenyl phenyl ether								<8	
4-methyl-2-pentanone	<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	11.4	<10.0	<10.0	<10.0	<10.0	24.4	<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	
Ammonia as n									

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

Table 9

Analytical Data Summary for AW-3

Constituents	3/7/2023	9/28/2023	3/11/2024	10/2/2024	3/6/2025	9/16/2025
(3,4)-methylphenol						
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-dichloroethene	<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	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
1,2-dibromoethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
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	2.7	3.4	3.2	2.8	3.0	3.1
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	<10	<10	<10	<10	144	<10
2-chloronaphthalene						
2-chlorophenol						
2-hexanone	<5	<5	<5	<5	<5	<5
2-methylnaphthalene						
2-methylphenol (o-cresol)						
2-naphthylamine						
2-nitroaniline						
2-nitrophenol						
3,3'-dichlorobenzidine						
3,3-dimethylbenzidine						
3-methylcholanthrene						
3-nitroaniline						
4,4'-ddd						
4,4'-dde						
4,4'-ddt						
4,6-dinitro-2-methylphenol						
4-aminobiphenyl						
4-bromophenyl phenyl ether						
4-chloro-3-methylphenol						
4-chloroaniline						
4-chlorophenyl phenyl ether						
4-methyl-2-pentanone	<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	18000.0	<10.0
Acetonitrile						
Acetophenone						
Acrolein						
Acrylonitrile	<5	<5	<5	<5	<5	<5
Aldrin						
Allyl chloride						
Alpha-bhc						
Ammonia as n						

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

Table 9

Analytical Data Summary for AW-3

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	6/22/2015
Anthracene	ug/L							
Antimony, total	ug/L	<6.00	<6.00	<6.00	6.51	<6.00	<6.00	
Arochlor 1016	ug/L							
Arochlor 1221	ug/L							
Arochlor 1232	ug/L							
Arochlor 1242	ug/L							
Arochlor 1248	ug/L							
Arochlor 1254	ug/L							
Arochlor 1260	ug/L							
Arsenic, total	ug/L	59.6	17.3	52.5	16.2	19.8	<1.0	
Azobenzene	ug/L							
Barium, total	ug/L	342	366	392	357	273	1060	
Benzene	ug/L						4.19	
Benzo(a)anthracene	ug/L							
Benzo(a)pyrene	ug/L							
Benzo(b)fluoranthene	ug/L							
Benzo(g,h,i)perylene	ug/L							
Benzo(k)fluoranthene	ug/L							
Benzyl alcohol	ug/L							
Beryllium, total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Beta-bhc	ug/L							
Bicarbonate alkalinity	mg/L as CaCO3							
Bis (2-chloroethoxy) methane	ug/L							
Bis(2-chloroethyl) ether	ug/L							
Bis(2-ethylhexyl) phthalate	ug/L							
Bis[2-chloroisopropyl]ether	ug/L							
Bromochloromethane	ug/L							<5
Bromodichloromethane	ug/L							<1
Bromoform	ug/L							<5
Bromomethane	ug/L							<4
Butyl benzyl phthalate	ug/L							
Cadmium, total	ug/L	<.5	<.5	<.5	<.5	<.5	<.5	
Calcium, total	mg/L							
Carbon disulfide	ug/L							<1
Carbon tetrachloride	ug/L							<2
Carbonate alkalinity	mg/L as CaCO3							
Chlordane	ug/L							
Chloride	mg/L							
Chlorobenzene	ug/L						<1.0	
Chlorobenzilate	ug/L							
Chloroethane	ug/L						7.13	
Chloroform	ug/L						<1	
Chloromethane	ug/L						<3	
Chloroprene	ug/L							
Chromium, total	ug/L	<20.00	<20.00	<20.00	<20.00	<20.00	<10.00	
Chrysene	ug/L							
Cis-1,2-dichloroethene	ug/L						2.89	
Cis-1,3-dichloropropene	ug/L						<5	
Cobalt, total	ug/L	<20.0	<20.0	10.7	15.1	25.4	42.5	
Copper, total	ug/L	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	
Cyanide	mg/L	<.010						
Delta-bhc	ug/L							
Diallate	ug/L							
Dibenzo(a,h)anthracene	ug/L							
Dibenzofuran	ug/L							
Dibromochloromethane	ug/L						<5	
Dibromomethane	ug/L							
Dichlorodifluoromethane	ug/L							
Dieldrin	ug/L							
Diethyl phthalate	ug/L							
Dimethoate	ug/L							
Dimethylphthalate	ug/L							
Di-n-butyl phthalate	ug/L							
Di-n-octyl phthalate	ug/L							
Dinoseb	ug/L							
Diphenylamine	ug/L							
Disulfoton	ug/L							
Endosulfan i	ug/L							
Endosulfan ii	ug/L							
Endosulfan sulfate	ug/L							
Endrin	ug/L							
Endrin aldehyde	ug/L							
Ethyl methacrylate	ug/L							
Ethyl methanesulfonate	ug/L							
Ethylbenzene	ug/L						<1.0	
Famphur	ug/L							
Fluoranthene	ug/L							

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

Table 9

Analytical Data Summary for AW-3

Constituents	6/23/2015	11/12/2015	11/13/2015	4/11/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018	6/5/2018
Anthracene						<8			
Antimony, total	<1.00		<1.00	<1.00	<2.00	<2.00	<2.00	<2.00	
Arochlor 1016						<1			
Arochlor 1221						<2			
Arochlor 1232						<2			
Arochlor 1242						<2			
Arochlor 1248						<2			
Arochlor 1254						<1			
Arochlor 1260						<1			
Arsenic, total	79.6		44.9	63.9	79.2	26.2	26.8	84.6	36.7
Azobenzene						<8			
Barium, total	471		496	498	634	303	319	396	
Benzene	4.98		1.53	1.62	1.00	<1.00	<1.00	5.60	
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	<1.0		<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	
Beta-bhc						<.05			
Bicarbonate alkalinity	972 *		870 *						
Bis (2-chloroethoxy) methane						<8			
Bis(2-chloroethyl) ether						<8			
Bis(2-ethylhexyl) phthalate						16	<6	<6	
Bis[2-chloroisopropyl]ether						<8			
Bromochloromethane	<5		<5	<5	<1	<1	<1	<1	
Bromodichloromethane	<1		<1	<1	<1	<1	<1	<1	
Bromoform	<5		<5	<5	<1	<1	<1	<1	
Bromomethane	<4		<4	<4	<1	<1	<1	<1	
Butyl benzyl phthalate						<8			
Cadmium, total	<.5		<.5	<.5	<.8	<.8	<.8	<.8	
Calcium, total	236 *		210 *						
Carbon disulfide	<5		<1	<1	<1	<1	<1	<1	
Carbon tetrachloride	<2		<2	<2	<1	<1	<1	<1	
Carbonate alkalinity	<5 *		<5 *						
Chlordane						<.1			
Chloride	19.8 *		22.6 *						
Chlorobenzene	<1.0		<1.0	<1.0	<1.0	1.1	<1.0	<1.0	
Chlorobenzilate						<8			
Chloroethane	8.62		<4.00	4.73	4.60	6.80	4.60	5.50	
Chloroform	<1		<1	<1	<1	<1	<1	<1	
Chloromethane	<3		<3	<3	<1	<1	<1	<1	
Chloroprene						<1			
Chromium, total	<5.00		<5.00	6.96	<8.00	<8.00	<8.00	<8.00	
Chrysene						<8			
Cis-1,2-dichloroethene	3.92		2.23	1.92	1.60	3.00	2.10	<1.00	
Cis-1,3-dichloropropene	<5		<5	<5	<1	<1	<1	<1	
Cobalt, total	14.4		15.2	24.1	8.1	11.6	6.0	6.5	
Copper, total	<2.0		<2.0	<5.0	<4.0	<4.0	<4.0	<4.0	
Cyanide						<.005			
Delta-bhc						<.05			
Diallate						<8			
Dibenzo(a,h)anthracene						<8			
Dibenzofuran						<8			
Dibromochloromethane	<5		<5	<5	<1	<1	<1	<1	
Dibromomethane					<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	2.1		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Famphur						<.4			
Fluoranthene						<8			

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

Table 9

Analytical Data Summary for AW-3

Constituents	9/12/2018	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022
Anthracene								<8	
Antimony, total	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Arochlor 1016								<.1	
Arochlor 1221								<.2	
Arochlor 1232								<.2	
Arochlor 1242								<.2	
Arochlor 1248								<.2	
Arochlor 1254								<.1	
Arochlor 1260								<.1	
Arsenic, total	45.4	10.5	34.0	25.3	41.8	11.0	50.8	35.6	87.6
Azobenzene								<8	
Barium, total	506	145	250	215	289	416	560	263	399
Benzene	4.10	<1.00	1.10	1.20	<1.00	5.20	4.10	1.40	2.30
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	
Bicarbonate alkalinity									
Bis (2-chloroethoxy) methane								<8	
Bis(2-chloroethyl) ether								<8	
Bis(2-ethylhexyl) phthalate	<6	<6	<6	<6				<6	
Bis[2-chloroisopropyl]ether								<8	
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate								<8	
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Calcium, total									
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbonate alkalinity									
Chlordane								<.1	
Chloride									
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzilate								<8	
Chloroethane	3.00	1.20	<1.00	2.50	3.90	4.50	4.20	3.00	4.20
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene								<1	
Chromium, total	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00
Chrysene								<8	
Cis-1,2-dichloroethene	<1.00	<1.00	<1.00	1.20	2.70	4.00	<1.00	<1.00	1.10
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	1.2	1.0	2.0	.8	1.2	.9	.7	.7	.5
Copper, total	<4.0	4.1	5.1	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide								<.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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Famphur								<.4	
Fluoranthene								<8	

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

Table 9

Analytical Data Summary for AW-3

Constituents	3/7/2023	9/28/2023	3/11/2024	10/2/2024	3/6/2025	9/16/2025
Anthracene						
Antimony, total	<2.00	<2.00	<2.00	<2.00	<2.00	<1.00
Arochlor 1016						
Arochlor 1221						
Arochlor 1232						
Arochlor 1242						
Arochlor 1248						
Arochlor 1254						
Arochlor 1260						
Arsenic, total	11.1	38.3	40.9	25.1	17.8	36.3
Azobenzene						
Barium, total	572	373	429	308	197	366
Benzene	2.60	2.60	2.70	<1.00	<1.00	<1.00
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						
Bicarbonate alkalinity						
Bis (2-chloroethoxy) methane						
Bis(2-chloroethyl) ether						
Bis(2-ethylhexyl) phthalate						
Bis[2-chloroisopropyl]ether						
Bromochloromethane	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate						
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.2
Calcium, total						
Carbon disulfide	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Carbonate alkalinity						
Chlordane						
Chloride						
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzilate						
Chloroethane	3.50	3.80	3.00	3.00	1.40	3.00
Chloroform	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1
Chloroprene						
Chromium, total	<8.00	<8.00	<8.00	<8.00	<8.00	<1.00
Chrysene						
Cis-1,2-dichloroethene	2.90	1.20	<1.00	<1.00	<1.00	1.20
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Cobalt, total	.5	1.3	.7	.8	1.9	.7
Copper, total	<4.0	<4.0	6.1	<4.0	18.7	<5.0
Cyanide						
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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Famphur						
Fluoranthene						

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

Table 9

Analytical Data Summary for AW-3

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	6/22/2015
Fluorene	ug/L							
Gamma-bhc [lindane]	ug/L							
Heptachlor	ug/L							
Heptachlor epoxide	ug/L							
Hexachlorobenzene	ug/L							
Hexachlorobutadiene	ug/L							
Hexachlorocyclopentadiene	ug/L							
Hexachloroethane	ug/L							
Hexachloropropene	ug/L							
Indeno(1,2,3-cd)pyrene	ug/L							
Iodomethane	ug/L						<10	
Iron, total	ug/L							
Isobutanol	mg/L							
Isodrin	ug/L							
Isophorone	ug/L							
Isosafrole	ug/L							
Kepone	ug/L							
Lead, total	ug/L	<4.00	<4.00	<4.00	<4.00	<4.00	<5.00	
Magnesium, total	mg/L							
Manganese, total	ug/L							
Mercury, total	ug/L	<.2						
Methacrylonitrile	ug/L							
Methapyrilene	ug/L							
Methoxychlor	ug/L							
Methyl methacrylate	ug/L							
Methyl methanesulfonate	ug/L							
Methyl parathion	ug/L							
Methylene bromide	ug/L						<1	
Methylene chloride	ug/L						<5	
Naphthalene	ug/L							
Nickel, total	ug/L	<50.0	55.9	<50.0	62.2	78.2	183.0	
Nitrate as n	mg/L							
Nitrobenzene	ug/L							
N-nitrosodiethylamine	ug/L							
N-nitrosodimethylamine	ug/L							
N-nitrosodi-n-butylamine	ug/L							
N-nitroso-di-n-propylamine	ug/L							
N-nitrosodiphenylamine	ug/L							
N-nitrosomethylethylamine	ug/L							
N-nitrosopiperidine	ug/L							
N-nitrosopyrrolidine	ug/L							
O,o,o-triethyl phosphorothioate	ug/L							
O-toluidine	ug/L							
P-(dimethylamino)azobenzene	ug/L							
Parathion	ug/L							
Pentachlorobenzene	ug/L							
Pentachloronitrobenzene (pcnb)	ug/L							
Pentachlorophenol	ug/L							
Phenacetin	ug/L							
Phenanthrene	ug/L							
Phenol	ug/L							
Phorate	ug/L							
Potassium, total	mg/L							
Pronamide	ug/L							
Propionitrile	ug/L							
Pyrene	ug/L							
Safrole	ug/L							
Selenium, total	ug/L	<5	<5	<5	<5	<5	<5	
Silver, total	ug/L	<20	<20	<20	<20	<20	<20	
Sodium, total	mg/L							
Styrene	ug/L							<1
Sulfate	mg/L							
Sulfide	mg/L	<1.0						
Tetrachloroethene	ug/L							<1
Thallium, total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Thionazin	ug/L							
Tin, total	ug/L	<100						
Toluene	ug/L							<1
Total organic carbon	mg/L							
Total suspended solids	mg/L						7820 *	1310
Toxaphene	ug/L							
Trans-1,2-dichloroethene	ug/L							<1
Trans-1,3-dichloropropene	ug/L							<5
Trans-1,4-dichloro-2-butene	ug/L							<10
Trichloroethene	ug/L							<1
Trichlorofluoromethane	ug/L							<4
Vanadium, total	ug/L	<50.00	<50.00	<50.00	<50.00	<50.00	70.30	

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

Table 9

Analytical Data Summary for AW-3

Constituents	6/23/2015	11/12/2015	11/13/2015	4/11/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018	6/5/2018
Fluorene						<8			
Gamma-bhc [lindane]						<.05			
Heptachlor						<.05			
Heptachlor epoxide						<.05			
Hexachlorobenzene						<.05			
Hexachlorobutadiene						<8			
Hexachlorocyclopentadiene						<8			
Hexachloroethane						<8			
Hexachloropropene						<8			
Indeno(1,2,3-cd)pyrene						<8			
Iodomethane	<10		<10	<10	<1	<1	<1	<1	
Iron, total	77900 *		44600 *	52100 *					
Isobutanol						<1			
Isodrin						<8			
Isophorone						<8			
Isosafrole						<8			
Kepone						<8			
Lead, total	4.03		2.30	6.39	<4.00	<4.00	<4.00	<4.00	
Magnesium, total	88.6 *		104.0 *						
Manganese, total	14900 *		10500 *	17600 *					
Mercury, total						<.5			
Methacrylonitrile						<1			
Methapyrilene						<8			
Methoxychlor						<.05			
Methyl methacrylate						<1			
Methyl methanesulfonate						<8			
Methyl parathion						<.4			
Methylene bromide	<1		<1	<1					
Methylene chloride	<1		<5	<5	<5	<5	<5	<5	
Naphthalene						<8			
Nickel, total	22.4		54.3	76.8	15.3	42.6	22.8	10.7	
Nitrate as n	<.1 *		<.1 *	<.1 *					
Nitrobenzene						<8			
N-nitrosodiethylamine						<8			
N-nitrosodimethylamine						<8			
N-nitrosodi-n-butylamine						<8			
N-nitroso-di-n-propylamine						<8			
N-nitrosodiphenylamine						<8			
N-nitrosomethylethylamine						<8			
N-nitrosopiperidine						<8			
N-nitrosopyrrolidine						<8			
O,o,o-triethyl phosphorothioate						<.4			
O-toluidine						<8			
P-(dimethylamino)azobenzene						<8			
Parathion						<.4			
Pentachlorobenzene						<8			
Pentachloronitrobenzene (pcnb)						<8			
Pentachlorophenol						<8			
Phenacetin						<8			
Phenanthrene						<8			
Phenol						<8			
Phorate						<.4			
Potassium, total	<1.00 *		1.03 *						
Pronamide						<8			
Propionitrile						<10			
Pyrene						<8			
Safrole						<8			
Selenium, total	<5		<5	<5	<4	<4	<4	<4	
Silver, total	<1		<1	<1	<4	<4	<4	<4	
Sodium, total	18.9 *		21.4 *						
Styrene	<1		<1	<1	<1	<1	<1	<1	
Sulfate	34.3 *		42.3 *	30.1 *					
Sulfide						<1.0			
Tetrachloroethene	<1		<1	<1	<1	<1	<1	<1	
Thallium, total	<1.0		<1.0	<2.0	<4.0	<4.0	<4.0	<4.0	
Thionazin						<.4			
Tin, total						<20			
Toluene	<1		<1	<1	<1	<1	<1	<1	
Total organic carbon	9.21 *		6.40 *	5.97 *					
Total suspended solids	911 *	1950	1950	657 *	126	1070			
Toxaphene						<.2			
Trans-1,2-dichloroethene	<1		<1	<1	<1	<1	<1	<1	
Trans-1,3-dichloropropene	<5		<5	<5	<1	<1	<1	<1	
Trans-1,4-dichloro-2-butene	<10		<10	<10	<5	<5	<5	<5	
Trichloroethene	<1		<1	<1	<1	<1	<1	<1	
Trichlorofluoromethane	<4		<4	<4	<1	<1	<1	<1	
Vanadium, total	9.65		9.48	21.00	<20.00	<20.00	<20.00	<20.00	

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

Table 9

Analytical Data Summary for AW-3

Constituents	9/12/2018	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022
Fluorene								<8	
Gamma-bhc [lindane]								<.05	
Heptachlor								<.05	
Heptachlor epoxide								<.05	
Hexachlorobenzene								<.05	
Hexachlorobutadiene								<8	
Hexachlorocyclopentadiene								<8	
Hexachloroethane								<8	
Hexachloropropene								<8	
Indeno(1,2,3-cd)pyrene								<8	
Iodomethane	<1	<1	<1	<1	<1	<1	<1	<2	<1
Iron, total									
Isobutanol								<1	
Isodrin								<8	
Isophorone								<8	
Isosafrole								<8	
Kepone								<8	
Lead, total	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Magnesium, total									
Manganese, total									
Mercury, total								<.5	
Methacrylonitrile								<1	
Methapyrilene								<8	
Methoxychlor								<.05	
Methyl methacrylate								<1	
Methyl methanesulfonate								<8	
Methyl parathion								<.4	
Methylene bromide									
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene								<8	
Nickel, total	<4.0	<4.0	4.0	4.1	6.4	<4.0	<4.0	<4.0	<4.0
Nitrate as n									
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	
P-(dimethylamino)azobenzene								<8	
Parathion								<.4	
Pentachlorobenzene								<8	
Pentachloronitrobenzene (pcnb)								<8	
Pentachlorophenol								<8	
Phenacetin								<8	
Phenanthrene								<8	
Phenol								<8	
Phorate								<.4	
Potassium, total									
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
Sodium, total									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate									
Sulfide								<.2	
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin								<.4	
Tin, total								<20	
Toluene	1	<1	<1	<1	<1	<1	<1	<1	<1
Total organic carbon									
Total suspended solids									
Toxaphene								<.2	
Trans-1,2-dichloroethene	<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
Trichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00

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

Table 9

Analytical Data Summary for AW-3

Constituents	3/7/2023	9/28/2023	3/11/2024	10/2/2024	3/6/2025	9/16/2025
Fluorene						
Gamma-bhc [lindane]						
Heptachlor						
Heptachlor epoxide						
Hexachlorobenzene						
Hexachlorobutadiene						
Hexachlorocyclopentadiene						
Hexachloroethane						
Hexachloropropene						
Indeno(1,2,3-cd)pyrene						
Iodomethane	<1	<1	<1	<1	<1	<1
Iron, total						
Isobutanol						
Isodrin						
Isophorone						
Isosafrole						
Kepone						
Lead, total	<4.00	<4.00	<4.00	<4.00	<4.00	<1.00
Magnesium, total						
Manganese, total						
Mercury, total						
Methacrylonitrile						
Methapyrilene						
Methoxychlor						
Methyl methacrylate						
Methyl methanesulfonate						
Methyl parathion						
Methylene bromide						
Methylene chloride	<5	<5	<5	<5	<5	<5
Naphthalene						
Nickel, total	<4.0	5.3	<4.0	<4.0	7.1	<5.0
Nitrate as n						
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						
P-(dimethylamino)azobenzene						
Parathion						
Pentachlorobenzene						
Pentachloronitrobenzene (pcnb)						
Pentachlorophenol						
Phenacetin						
Phenanthrene						
Phenol						
Phorate						
Potassium, total						
Pronamide						
Propionitrile						
Pyrene						
Safrole						
Selenium, total	<4	<4	<4	<4	<4	<2
Silver, total	<4	<4	<4	<4	<4	<5
Sodium, total						
Styrene	<1	<1	<1	<1	<1	<1
Sulfate						
Sulfide						
Tetrachloroethene	<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
Total organic carbon						
Total suspended solids						
Toxaphene						
Trans-1,2-dichloroethene	<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
Trichloroethene	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1
Vanadium, total	<20.00	<20.00	<20.00	<20.00	<20.00	<2.00

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

Table 9

Analytical Data Summary for AW-3

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	6/22/2015
Vinyl acetate	ug/L						<10	
Vinyl chloride	ug/L						<1.0	
Xylenes, total	ug/L						<3	
Zinc, total	ug/L	<20.0	25.5	38.3	88.0	<20.0	110.0	

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

Table 9

Analytical Data Summary for AW-3

Constituents	6/23/2015	11/12/2015	11/13/2015	4/11/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018	6/5/2018
Vinyl acetate	<10		<10	<10	<5	<5	<5	<5	
Vinyl chloride	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Xylenes, total	<1		<3	<3	<2	<2	<2	<2	
Zinc, total	28.6		25.4	53.0	<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 AW-3

Constituents	9/12/2018	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1.0	<1.0	<1.0	<1.0	<1.0	2.1	<1.0	<1.0	<1.0
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	48.1	25.0	<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 AW-3

Constituents	3/7/2023	9/28/2023	3/11/2024	10/2/2024	3/6/2025	9/16/2025
Vinyl acetate	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, total	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	20.4	<20.0	<20.0	<5.0

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

Table 9

Analytical Data Summary for AW-4

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	6/23/2015
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-dichloroethene	ug/L						<2	
1,2,3-trichloropropane	ug/L						<1	
1,2-dibromo-3-chloropropane	ug/L						<.12	
1,2-dibromoethane	ug/L						<.13	
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	ug/L						<10	
2-hexanone	ug/L						<10	
4-methyl-2-pentanone	ug/L						<10	
Acetone	ug/L						<10	
Acrylonitrile	ug/L						<10	
Ammonia as n	mg/L							<.2 *
Antimony, total	ug/L	<6.00	<18.00	<6.00	6.41	<6.00	<6.00	
Arsenic, total	ug/L	8.67	7.68	10.60	9.04	5.99	27.70	
Barium, total	ug/L	223.00000	107.00000	162.00000	123.00000	118.00000	78.10000	
Benzene	ug/L						<.5	
Beryllium, total	ug/L	<1	<1	<1	<1	<1	<1	
Bicarbonate alkalinity	mg/L as CaCO3							360 *
Bromochloromethane	ug/L						<5	
Bromodichloromethane	ug/L						<1	
Bromoform	ug/L						<5	
Bromomethane	ug/L						<4	
Cadmium, total	ug/L	<.5	<.5	<.5	<.5	<.5	<.5	
Calcium, total	mg/L							282 *
Carbon disulfide	ug/L						<1	
Carbon tetrachloride	ug/L						<2	
Carbonate alkalinity	mg/L as CaCO3							<5 *
Chloride	mg/L							17.3 *
Chlorobenzene	ug/L						<1	
Chloroethane	ug/L						<4	
Chloroform	ug/L						<1	
Chloromethane	ug/L						<3	
Chromium, total	ug/L	<20	<20	<20	<20	<20	<20	
Cis-1,2-dichloroethene	ug/L						<1	
Cis-1,3-dichloropropene	ug/L						<5	
Cobalt, total	ug/L	<20.000	<20.000	15.100	7.230	7.780	11.200	
Copper, total	ug/L	<20	<20	<20	<20	<20	<10	
Cyanide	mg/L	<.01						
Dibromochloromethane	ug/L						<5	
Dibromomethane	ug/L							
Ethylbenzene	ug/L						<1	
Iodomethane	ug/L						<10	
Iron, total	ug/L							16000 *
Lead, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	10.7	
Magnesium, total	mg/L							67.8 *
Manganese, total	ug/L							988.0 *
Mercury, total	ug/L	<.2						
Methylene bromide	ug/L						<1	
Methylene chloride	ug/L						<5	
Nickel, total	ug/L	<50	<50	<50	<50	<50	<30	
Nitrate as n	mg/L							<.100 *
Potassium, total	mg/L							1.76 *
Selenium, total	ug/L	<5	<5	<5	<5	<5	<5	
Silver, total	ug/L	<20	<20	<20	<20	<20	<20	
Sodium, total	mg/L							14.7 *
Styrene	ug/L						<1	
Sulfate	mg/L							589 *
Sulfide	mg/L	<1						
Tetrachloroethene	ug/L						<1	
Thallium, total	ug/L	<2	<2	<2	<2	<2	<2	
Tin, total	ug/L	<100						
Toluene	ug/L						<1	
Total organic carbon	mg/L							3.15 *
Total suspended solids	mg/L						575.0 *	113.5 *
Trans-1,2-dichloroethene	ug/L						<1	
Trans-1,3-dichloropropene	ug/L						<5	
Trans-1,4-dichloro-2-butene	ug/L						<10	
Trichloroethene	ug/L						<1	
Trichlorofluoromethane	ug/L						<4	
Vanadium, total	ug/L	<50	<50	<50	<50	<50	<20	

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

Table 9

Analytical Data Summary for AW-4

Constituents	11/12/2015	4/11/2016	4/12/2016	1/21/2021	3/31/2022	8/30/2022	3/7/2023	9/28/2023
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-dichloroethene					<1	<1	<1	<1
1,2,3-trichloropropane					<1	<1	<1	<1
1,2-dibromo-3-chloropropane					<5.00	<5.00	<5.00	<5.00
1,2-dibromoethane					<1.00	<1.00	<1.00	<1.00
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					<10	<10	<10	<10
2-hexanone					<5	<5	<5	<5
4-methyl-2-pentanone					<5	<5	<5	<5
Acetone					<10	<10	<10	<10
Acrylonitrile					<5	<5	<5	<5
Ammonia as n	<.2 *	<.2	<.2					
Antimony, total				<2.00	<2.00	<2.00	<2.00	<2.00
Arsenic, total	16.50		7.34	5.30	4.40	<4.00	16.60	<4.00
Barium, total				96.10001	71.50000	167.00000	49.70000	305.00000
Benzene					<1.0	<1.0	<1.0	<1.0
Beryllium, total				<4	<4	<4	<4	<4
Bicarbonate alkalinity	432 *							
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	<.8
Calcium, total	286 *							
Carbon disulfide					<1	<1	<1	<1
Carbon tetrachloride					<1	<1	<1	<1
Carbonate alkalinity	<5 *							
Chloride	22.8 *							
Chlorobenzene					<1	<1	<1	<1
Chloroethane					<1	<1	<1	<1
Chloroform					<1	<1	<1	<1
Chloromethane					<1	<1	<1	<1
Chromium, total				<8	<8	<8	<8	<8
Cis-1,2-dichloroethene					<1	<1	<1	<1
Cis-1,3-dichloropropene					<1	<1	<1	<1
Cobalt, total			.994	.400	.400	<.400	<.400	<.400
Copper, total				<4	<4	<4	<4	<4
Cyanide								
Dibromochloromethane					<1	<1	<1	<1
Dibromomethane					<1	<1	<1	<1
Ethylbenzene					<1	<1	<1	<1
Iodomethane					<1	<1	<1	<1
Iron, total	7900 *	3660	3660					
Lead, total				<4.0	<4.0	<4.0	<4.0	<4.0
Magnesium, total	85.0 *							
Manganese, total	1370.0 *	24.9	24.9					
Mercury, total								
Methylene bromide								
Methylene chloride					<5	<5	<5	<5
Nickel, total				<4	5	<4	<4	<4
Nitrate as n	.298 *	6.890	6.890					
Potassium, total	2.14 *							
Selenium, total				<4	<4	<4	<4	<4
Silver, total				<4	<4	<4	<4	<4
Sodium, total	19.0 *							
Styrene					<1	<1	<1	<1
Sulfate	655 *	725	725					
Sulfide								
Tetrachloroethene					<1	<1	<1	<1
Thallium, total				<2	<2	<2	<2	<2
Tin, total								
Toluene					<1	<1	<1	<1
Total organic carbon	4.35 *	3.69	3.69					
Total suspended solids	52.8 *	31.1	31.1					
Trans-1,2-dichloroethene					<1	<1	<1	<1
Trans-1,3-dichloropropene					<1	<1	<1	<1
Trans-1,4-dichloro-2-butene					<5	<5	<5	<5
Trichloroethene					<1	<1	<1	<1
Trichlorofluoromethane					<1	<1	<1	<1
Vanadium, total				<20	<20	<20	<20	<20

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

Table 9

Analytical Data Summary for AW-4

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	6/23/2015
Vinyl acetate	ug/L						<10	
Vinyl chloride	ug/L						<1	
Xylenes, total	ug/L						<3	
Zinc, total	ug/L	<20.0	<20.0	101.0	109.0	<20.0	38.4	

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

Table 9

Analytical Data Summary for AW-4

Constituents	11/12/2015	4/11/2016	4/12/2016	1/21/2021	3/31/2022	8/30/2022	3/7/2023	9/28/2023
Vinyl acetate					<5	<5	<5	<5
Vinyl chloride					<1	<1	<1	<1
Xylenes, total					<2	<2	<2	<2
Zinc, total				<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for AW-9

Constituents	Units	8/28/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	6/23/2015	11/12/2015
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-dichloroethene	ug/L						<2		
1,2,3-trichloropropane	ug/L						<1		
1,2-dibromo-3-chloropropane	ug/L						<.12		
1,2-dibromoethane	ug/L						<.13		
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	ug/L						<10		
2-hexanone	ug/L						<10		
4-methyl-2-pentanone	ug/L						<10		
Acetone	ug/L						<10		
Acrylonitrile	ug/L						<10		
Ammonia as n	mg/L							<.2 *	<.2 *
Antimony, total	ug/L	<6	<12	<6	<6	<6	<6		
Arsenic, total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.5		
Barium, total	ug/L	143	163	122	198	202	571		
Benzene	ug/L						<.5		
Beryllium, total	ug/L	<1	<1	<1	<1	<1	<1		
Bicarbonate alkalinity	mg/L as CaCO3							528 *	541 *
Bromochloromethane	ug/L						<5		
Bromodichloromethane	ug/L						<1		
Bromoform	ug/L						<5		
Bromomethane	ug/L						<4		
Cadmium, total	ug/L	<.50	<.50	<.50	<.50	<.50	1.16		
Calcium, total	mg/L							140 *	130 *
Carbon disulfide	ug/L						<1		
Carbon tetrachloride	ug/L						<2		
Carbonate alkalinity	mg/L as CaCO3							<5 *	<5 *
Chloride	mg/L							6.15 *	12.20 *
Chlorobenzene	ug/L						<1		
Chloroethane	ug/L						<4		
Chloroform	ug/L						<1		
Chloromethane	ug/L						<3		
Chromium, total	ug/L	<20	<20	<20	<20	<20	<20		
Cis-1,2-dichloroethene	ug/L						<1		
Cis-1,3-dichloropropene	ug/L						<5		
Cobalt, total	ug/L	<20.00	<20.00	<20.00	<1.32	<7.00	45.60		3.17
Copper, total	ug/L	<20.0	<20.0	<20.0	<20.0	<20.0	46.9		
Cyanide	mg/L	<.01 *		<.01					
Dibromochloromethane	ug/L						<5		
Dibromomethane	ug/L								
Ethylbenzene	ug/L						<1		
Iodomethane	ug/L						<10		
Iron, total	ug/L							471 *	341 *
Lead, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	17.6		
Magnesium, total	mg/L							53.3 *	56.6 *
Manganese, total	ug/L							3720 *	1080 *
Mercury, total	ug/L	<.2		<.2					
Methylene bromide	ug/L						<1		
Methylene chloride	ug/L						<5		
Nickel, total	ug/L	<50.0	<50.0	<50.0	<50.0	<50.0	86.8		
Nitrate as n	mg/L							1.05 *	1.67 *
Potassium, total	mg/L							<1.0 *	1.2 *
Selenium, total	ug/L	<5	<5	<5	<5	<5	<5		
Silver, total	ug/L	<20	<20	<20	<20	<20	<20		
Sodium, total	mg/L							16.7 *	18.1 *
Styrene	ug/L						<1		
Sulfate	mg/L							27.6 *	25.4 *
Sulfide	mg/L	<1 *		<1					
Tetrachloroethene	ug/L						<1		
Thallium, total	ug/L	<2	<2	<2	<2	<2	<2		
Tin, total	ug/L	<100		<100					
Toluene	ug/L						<1		
Total organic carbon	mg/L							1.00 *	2.68 *
Total suspended solids	mg/L						754.0 *	70.5 *	184.0 *
Trans-1,2-dichloroethene	ug/L						<1		
Trans-1,3-dichloropropene	ug/L						<5		
Trans-1,4-dichloro-2-butene	ug/L						<10		
Trichloroethene	ug/L						<1		
Trichlorofluoromethane	ug/L						<4		
Vanadium, total	ug/L	<50	<50	<50	<50	<50	<20		

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

Table 9

Analytical Data Summary for AW-9

Constituents	4/11/2016	3/16/2017	4/1/2019	9/12/2019	5/6/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022	3/7/2023
1,1,1,2-tetrachloroethane										<1
1,1,1-trichloroethane										<1
1,1,2,2-tetrachloroethane										<1
1,1,2-trichloroethane										<1
1,1-dichloroethane										<1
1,1-dichloroethene										<1
1,2,3-trichloropropane										<1
1,2-dibromo-3-chloropropane										<5.00
1,2-dibromoethane										<1.00
1,2-dichlorobenzene										<1
1,2-dichloroethane										<1
1,2-dichloropropane										<1
1,4-dichlorobenzene										<1
2-butanone										<10
2-hexanone										<5
4-methyl-2-pentanone										<5
Acetone										<10
Acrylonitrile										<5
Ammonia as n	<.2 *									
Antimony, total										<2
Arsenic, total	<1.0	<4.0				<4.0	<4.0	<4.0	<4.0	<4.0
Barium, total		410								208
Benzene										<1.0
Beryllium, total										<4
Bicarbonate alkalinity										
Bromochloromethane										<1
Bromodichloromethane										<1
Bromoform										<1
Bromomethane										<1
Cadmium, total										<.80
Calcium, total										
Carbon disulfide										<1
Carbon tetrachloride										<1
Carbonate alkalinity										
Chloride										
Chlorobenzene										<1
Chloroethane										<1
Chloroform										<1
Chloromethane										<1
Chromium, total										<8
Cis-1,2-dichloroethene										<1
Cis-1,3-dichloropropene										<1
Cobalt, total	3.08	<.80	23.30	10.50	5.40	.40	.80	1.30	5.00	1.80
Copper, total										<4.0
Cyanide										
Dibromochloromethane										<1
Dibromomethane										<1
Ethylbenzene										<1
Iodomethane										<1
Iron, total	1020 *									
Lead, total										<4.0
Magnesium, total										
Manganese, total	329 *									
Mercury, total										
Methylene bromide										
Methylene chloride										<5
Nickel, total		<4.0								<4.0
Nitrate as n	3.36 *									
Potassium, total										
Selenium, total										<4
Silver, total										<4
Sodium, total										
Styrene										<1
Sulfate	21.2 *									
Sulfide										
Tetrachloroethene										<1
Thallium, total										<2
Tin, total										
Toluene										<1
Total organic carbon	<1.00 *									
Total suspended solids	58.5 *	20.0								
Trans-1,2-dichloroethene										<1
Trans-1,3-dichloropropene										<1
Trans-1,4-dichloro-2-butene										<5
Trichloroethene										<1
Trichlorofluoromethane										<1
Vanadium, total										<20

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

Table 9

Analytical Data Summary for AW-9

Constituents	9/28/2023	3/11/2024	10/2/2024	3/6/2025	9/16/2025
1,1,1,2-tetrachloroethane	<1				
1,1,1-trichloroethane	<1				
1,1,2,2-tetrachloroethane	<1				
1,1,2-trichloroethane	<1				
1,1-dichloroethane	<1				
1,1-dichloroethene	<1				
1,2,3-trichloropropane	<1				
1,2-dibromo-3-chloropropane	<5.00				
1,2-dibromoethane	<1.00				
1,2-dichlorobenzene	<1				
1,2-dichloroethane	<1				
1,2-dichloropropane	<1				
1,4-dichlorobenzene	<1				
2-butanone	<10				
2-hexanone	<5				
4-methyl-2-pentanone	<5				
Acetone	<10				
Acrylonitrile	<5				
Ammonia as n					
Antimony, total	<2				
Arsenic, total	<4.0	<4.0	4.2	<4.0	<2.0
Barium, total	447				
Benzene	<1.0				
Beryllium, total	<4				
Bicarbonate alkalinity					
Bromochloromethane	<1				
Bromodichloromethane	<1				
Bromoform	<1				
Bromomethane	<1				
Cadmium, total	<.80				
Calcium, total					
Carbon disulfide	<1				
Carbon tetrachloride	<1				
Carbonate alkalinity					
Chloride					
Chlorobenzene	<1				
Chloroethane	<1				
Chloroform	<1				
Chloromethane	<1				
Chromium, total	<8				
Cis-1,2-dichloroethene	<1				
Cis-1,3-dichloropropene	<1				
Cobalt, total	.80	1.10	9.60	.50	3.30
Copper, total	<4.0				
Cyanide					
Dibromochloromethane	<1				
Dibromomethane	<1				
Ethylbenzene	<1				
Iodomethane	<1				
Iron, total					
Lead, total	<4.0				
Magnesium, total					
Manganese, total					
Mercury, total					
Methylene bromide					
Methylene chloride	<5				
Nickel, total	<4.0				
Nitrate as n					
Potassium, total					
Selenium, total	<4				
Silver, total	<4				
Sodium, total					
Styrene	<1				
Sulfate					
Sulfide					
Tetrachloroethene	<1				
Thallium, total	<2				
Tin, total					
Toluene	<1				
Total organic carbon					
Total suspended solids					
Trans-1,2-dichloroethene	<1				
Trans-1,3-dichloropropene	<1				
Trans-1,4-dichloro-2-butene	<5				
Trichloroethene	<1				
Trichlorofluoromethane	<1				
Vanadium, total	<20				

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

Table 9

Analytical Data Summary for AW-9

Constituents	Units	8/28/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	6/23/2015	11/12/2015
Vinyl acetate	ug/L						<10		
Vinyl chloride	ug/L						<1		
Xylenes, total	ug/L						<3		
Zinc, total	ug/L	<20.0	<20.0	35.3	<20.0	<20.0	34.9		

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

Table 9

Analytical Data Summary for AW-9

Constituents	4/11/2016	3/16/2017	4/1/2019	9/12/2019	5/6/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022	3/7/2023
Vinyl acetate										<5
Vinyl chloride										<1
Xylenes, total										<2
Zinc, total										<20.0

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

Table 9

Analytical Data Summary for AW-9

Constituents	9/28/2023	3/11/2024	10/2/2024	3/6/2025	9/16/2025
Vinyl acetate	<5				
Vinyl chloride	<1				
Xylenes, total	<2				
Zinc, total	<20.0				

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

Table 9

Analytical Data Summary for GU-L

Constituents	Units	8/15/2025	9/16/2025
1,1,1,2-tetrachloroethane	ug/L		<1
1,1,1-trichloroethane	ug/L		<1
1,1,2,2-tetrachloroethane	ug/L		<1
1,1,2-trichloroethane	ug/L		<1
1,1-dichloroethane	ug/L		<1
1,1-dichloroethene	ug/L		<1
1,2,3-trichloropropane	ug/L		<1
1,2-dibromo-3-chloropropane	ug/L		<5
1,2-dibromoethane	ug/L		<1
1,2-dichlorobenzene	ug/L		<1
1,2-dichloroethane	ug/L		<1
1,2-dichloropropane	ug/L		<1
1,4-dichlorobenzene	ug/L		<1
2-butanone	ug/L		<10
2-hexanone	ug/L		<5
4-methyl-2-pentanone	ug/L		<5
Acetone	ug/L		<10
Acrylonitrile	ug/L		<5
Antimony, total	ug/L	<1	<1
Arsenic, total	ug/L	<2	<2
Barium, total	ug/L	142	104
Benzene	ug/L		<1
Beryllium, total	ug/L	<.5	<.5
Bromochloromethane	ug/L		<1
Bromodichloromethane	ug/L		<1
Bromoform	ug/L		<1
Bromomethane	ug/L		<1
Cadmium, total	ug/L	<.2	<.2
Carbon disulfide	ug/L		<1
Carbon tetrachloride	ug/L		<1
Chlorobenzene	ug/L		<1
Chloroethane	ug/L		<1
Chloroform	ug/L		<1
Chloromethane	ug/L		<1
Chromium, total	ug/L	<1	<1
Cis-1,2-dichloroethene	ug/L		<1
Cis-1,3-dichloropropene	ug/L		<1
Cobalt, total	ug/L	7.2	1.1
Copper, total	ug/L	<5	<5
Dibromochloromethane	ug/L		<1
Dibromomethane	ug/L		<1
Ethylbenzene	ug/L		<1
Iodomethane	ug/L		<1
Lead, total	ug/L	<1	<1
Methylene chloride	ug/L		<5
Nickel, total	ug/L	50.7	34.0
Selenium, total	ug/L	<2	<2
Silver, total	ug/L	<5	<5
Styrene	ug/L		<1
Tetrachloroethene	ug/L		<1
Thallium, total	ug/L	<.5	<.5
Toluene	ug/L		<1
Trans-1,2-dichloroethene	ug/L		<1
Trans-1,3-dichloropropene	ug/L		<1
Trans-1,4-dichloro-2-butene	ug/L		<5
Trichloroethene	ug/L		<1
Trichlorofluoromethane	ug/L		<1
Vanadium, total	ug/L	<2	<2
Vinyl acetate	ug/L		<5
Vinyl chloride	ug/L		<1
Xylenes, total	ug/L		<2
Zinc, total	ug/L	<5	<5

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

Table 9

Analytical Data Summary for MW-12

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	10/21/2014
(3,4)-methylphenol	ug/L							<1
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-dichloroethene	ug/L							<2
1,1-dichloropropene	ug/L							
1,2,3-trichloropropane	ug/L							<1
1,2,4,5-tetrachlorobenzene	ug/L							
1,2,4-trichlorobenzene	ug/L							
1,2-dibromo-3-chloropropane	ug/L							<.12
1,2-dibromoethane	ug/L							<.13
1,2-dichlorobenzene	ug/L							<1
1,2-dichloroethane	ug/L							<1
1,2-dichloropropane	ug/L							<1
1,2-dinitrobenzene	ug/L							
1,3,5-trinitrobenzene	ug/L							
1,3-dichlorobenzene	ug/L							
1,3-dichloropropane	ug/L							
1,3-dinitrobenzene	ug/L							
1,4-dichlorobenzene	ug/L							<1
1,4-naphthoquinone	ug/L							
1,4-phenylenediamine	ug/L							
1-naphthylamine	ug/L							
2,2-dichloropropane	ug/L							
2,3,4,6-tetrachlorophenol	ug/L							
2,4,5-t	ug/L							
2,4,5-tp (silvex)	ug/L							
2,4,5-trichlorophenol	ug/L							
2,4,6-trichlorophenol	ug/L							
2,4-d	ug/L							
2,4-dichlorophenol	ug/L							
2,4-dimethylphenol	ug/L							
2,4-dinitrophenol	ug/L							
2,4-dinitrotoluene	ug/L							
2,6-dichlorophenol	ug/L							
2,6-dinitrotoluene	ug/L							
2-acetylaminofluorene	ug/L							
2-butanone	ug/L							<10
2-chloronaphthalene	ug/L							
2-chlorophenol	ug/L							
2-hexanone	ug/L							<10
2-methylnaphthalene	ug/L							
2-methylphenol (o-cresol)	ug/L							
2-naphthylamine	ug/L							
2-nitroaniline	ug/L							
2-nitrophenol	ug/L							
3,3'-dichlorobenzidine	ug/L							
3,3-dimethylbenzidine	ug/L							
3-methylcholanthrene	ug/L							
3-nitroaniline	ug/L							
4,4'-ddd	ug/L							
4,4'-dde	ug/L							
4,4'-ddt	ug/L							
4,6-dinitro-2-methylphenol	ug/L							
4-aminobiphenyl	ug/L							
4-bromophenyl phenyl ether	ug/L							
4-chloro-3-methylphenol	ug/L							
4-chloroaniline	ug/L							
4-chlorophenyl phenyl ether	ug/L							
4-methyl-2-pentanone	ug/L							<10
4-nitroaniline	ug/L							
4-nitrophenol	ug/L							
5-nitro-o-toluidine	ug/L							
7,12-dimethylbenz [a] anthracene	ug/L							
Acenaphthene	ug/L							
Acenaphthylene	ug/L							
Acetone	ug/L							<10
Acetonitrile	ug/L							
Acetophenone	ug/L							
Acrolein	ug/L							
Acrylonitrile	ug/L							<10
Aldrin	ug/L							
Allyl chloride	ug/L							
Alpha-bhc	ug/L							
Anthracene	ug/L							

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

Table 9

Analytical Data Summary for MW-12

Constituents	6/22/2015	11/12/2015	4/11/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018	6/5/2018	9/12/2018
(3,4)-methylphenol					<8				
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1		<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1		<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1		<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1		<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1		<1
1,1-dichloroethene	<2	<2	<2	<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	<.50	<.50	<.50	<1.00	<1.00	<1.00	<1.00		<1.00
1,2-dibromoethane	<.13	<.13	<.13	<1.00	<1.00	<1.00	<1.00		<1.00
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1		<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1		<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1		<1
1,2-dinitrobenzene					<8				
1,3,5-trinitrobenzene					<8				
1,3-dichlorobenzene					<1				
1,3-dichloropropane					<1				
1,3-dinitrobenzene					<8				
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1		<1
1,4-naphthoquinone					<8				
1,4-phenylenediamine					<8				
1-naphthylamine					<8				
2,2-dichloropropane					<1				
2,3,4,6-tetrachlorophenol					<8				
2,4,5-t					<.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	<10	<10	<10	<5	<5	<5	<5		<5
2-chloronaphthalene					<8				
2-chlorophenol					<8				
2-hexanone	<10	<10	<10	<5	<5	<5	<5		<5
2-methylnaphthalene					<8				
2-methylphenol (o-cresol)					<8				
2-naphthylamine					<8				
2-nitroaniline					<8				
2-nitrophenol					<8				
3,3'-dichlorobenzidine					<8				
3,3-dimethylbenzidine					<8				
3-methylcholanthrene					<8				
3-nitroaniline					<8				
4,4'-ddd					<.05				
4,4'-dde					<.05				
4,4'-ddt					<.05				
4,6-dinitro-2-methylphenol					<8				
4-aminobiphenyl					<8				
4-bromophenyl phenyl ether					<8				
4-chloro-3-methylphenol					<8				
4-chloroaniline					<8				
4-chlorophenyl phenyl ether					<8				
4-methyl-2-pentanone	<10	<10	<10	<5	<5	<5	<5		<5
4-nitroaniline					<8				
4-nitrophenol					<8				
5-nitro-o-toluidine					<8				
7,12-dimethylbenz [a] anthracene					<8				
Acenaphthene					<8				
Acenaphthylene					<8				
Acetone	<10	<10	<10	<10	<10	<10	<10		<10
Acetonitrile					<10				
Acetophenone					<8				
Acrolein					<10				
Acrylonitrile	<10	<10	<10	<5	<5	<5	<5		<5
Aldrin					<.05				
Allyl chloride					<1				
Alpha-bhc					<.05				
Anthracene					<8				

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

Table 9

Analytical Data Summary for MW-12

Constituents	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022	11/11/2022
(3,4)-methylphenol									
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethene	<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	<1.00	<1.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
1,2-dibromoethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
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	<5	<5	<5	<5	<5	<5	<10	<10	<10
2-chloronaphthalene									
2-chlorophenol									
2-hexanone	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene									
2-methylphenol (o-cresol)									
2-naphthylamine									
2-nitroaniline									
2-nitrophenol									
3,3'-dichlorobenzidine									
3,3-dimethylbenzidine									
3-methylcholanthrene									
3-nitroaniline									
4,4'-ddd									
4,4'-dde									
4,4'-ddt									
4,6-dinitro-2-methylphenol									
4-aminobiphenyl									
4-bromophenyl phenyl ether									
4-chloro-3-methylphenol									
4-chloroaniline									
4-chlorophenyl phenyl ether									
4-methyl-2-pentanone	<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-12

Constituents	3/7/2023	9/28/2023	3/11/2024	10/2/2024	12/11/2024	3/6/2025	9/16/2025
(3,4)-methylphenol							
1,1,1,2-tetrachloroethane	<1	<1	<1	<1		<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1		<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1		<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1		<1	<1
1,1-dichloroethane	<1	<1	<1	<1		<1	<1
1,1-dichloroethene	<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	<5.00	<5.00	<5.00	<5.00		<5.00	<5.00
1,2-dibromoethane	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00
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	<10	<10	<10	<10		<10	<10
2-chloronaphthalene							
2-chlorophenol							
2-hexanone	<5	<5	<5	<5		<5	<5
2-methylnaphthalene							
2-methylphenol (o-cresol)							
2-naphthylamine							
2-nitroaniline							
2-nitrophenol							
3,3'-dichlorobenzidine							
3,3-dimethylbenzidine							
3-methylcholanthrene							
3-nitroaniline							
4,4'-ddd							
4,4'-dde							
4,4'-ddt							
4,6-dinitro-2-methylphenol							
4-aminobiphenyl							
4-bromophenyl phenyl ether							
4-chloro-3-methylphenol							
4-chloroaniline							
4-chlorophenyl phenyl ether							
4-methyl-2-pentanone	<5	<5	<5	<5		<5	<5
4-nitroaniline							
4-nitrophenol							
5-nitro-o-toluidine							
7,12-dimethylbenz [a] anthracene							
Acenaphthene							
Acenaphthylene							
Acetone	<10	<10	<10	<10		<10	<10
Acetonitrile							
Acetophenone							
Acrolein							
Acrylonitrile	<5	<5	<5	<5		<5	<5
Aldrin							
Allyl chloride							
Alpha-bhc							
Anthracene							

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

Table 9

Analytical Data Summary for MW-12

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	10/21/2014
Antimony, total	ug/L	<6.00	<12.00	<6.00	7.46	<6.00		<6.00
Arochlor 1016	ug/L							
Arochlor 1221	ug/L							
Arochlor 1232	ug/L							
Arochlor 1242	ug/L							
Arochlor 1248	ug/L							
Arochlor 1254	ug/L							
Arochlor 1260	ug/L							
Arsenic, total	ug/L	2.21	3.19	1.48	2.03	<1.00		4.08
Azobenzene	ug/L							
Barium, total	ug/L	609.0	687.0	152.0	194.0	137.0		313.0
Benzene	ug/L							<.5
Benzo(a)anthracene	ug/L							
Benzo(a)pyrene	ug/L							
Benzo(b)fluoranthene	ug/L							
Benzo(g,h,i)perylene	ug/L							
Benzo(k)fluoranthene	ug/L							
Benzyl alcohol	ug/L							
Beryllium, total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0
Beta-bhc	ug/L							
Bicarbonate alkalinity	mg/L as CaCO3							
Bis (2-chloroethoxy) methane	ug/L							
Bis(2-chloroethyl) ether	ug/L							
Bis(2-ethylhexyl) phthalate	ug/L							
Bis[2-chloroisopropyl]ether	ug/L							
Bromochloromethane	ug/L							<5
Bromodichloromethane	ug/L							<1
Bromoform	ug/L							<5
Bromomethane	ug/L							<4
Butyl benzyl phthalate	ug/L							
Cadmium, total	ug/L	<.50	<.50	<.50	<.50	<.50		1.23
Calcium, total	mg/L							
Carbon disulfide	ug/L							<1
Carbon tetrachloride	ug/L							<2
Carbonate alkalinity	mg/L as CaCO3							
Chlordane	ug/L							
Chloride	mg/L							
Chlorobenzene	ug/L							<1
Chlorobenzilate	ug/L							
Chloroethane	ug/L							<4
Chloroform	ug/L							<1
Chloromethane	ug/L							<3
Chloroprene	ug/L							
Chromium, total	ug/L	<20.0	<20.0	<20.0	<20.0	<20.0		<20.0
Chrysene	ug/L							
Cis-1,2-dichloroethene	ug/L							<1
Cis-1,3-dichloropropene	ug/L							<5
Cobalt, total	ug/L	<20.000	<20.000	1.910	<1.320	<7.000		3.880
Copper, total	ug/L	<20.00	<20.00	<20.00	<20.00	<20.00		64.70
Cyanide	mg/L	<.010						
Delta-bhc	ug/L							
Diallate	ug/L							
Dibenzo(a,h)anthracene	ug/L							
Dibenzofuran	ug/L							
Dibromochloromethane	ug/L							<5
Dibromomethane	ug/L							
Dichlorodifluoromethane	ug/L							
Dieldrin	ug/L							
Diethyl phthalate	ug/L							
Dimethoate	ug/L							
Dimethylphthalate	ug/L							
Di-n-butyl phthalate	ug/L							
Di-n-octyl phthalate	ug/L							
Dinoseb	ug/L							
Diphenylamine	ug/L							
Disulfoton	ug/L							
Endosulfan i	ug/L							
Endosulfan ii	ug/L							
Endosulfan sulfate	ug/L							
Endrin	ug/L							
Endrin aldehyde	ug/L							
Ethyl methacrylate	ug/L							
Ethyl methanesulfonate	ug/L							
Ethylbenzene	ug/L							<1
Famphur	ug/L							
Fluoranthene	ug/L							
Fluorene	ug/L							

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

Table 9

Analytical Data Summary for MW-12

Constituents	6/22/2015	11/12/2015	4/11/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018	6/5/2018	9/12/2018
Antimony, total	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<2.00		<2.00
Arochlor 1016					<.1				
Arochlor 1221					<.2				
Arochlor 1232					<.2				
Arochlor 1242					<.2				
Arochlor 1248					<.2				
Arochlor 1254					<.1				
Arochlor 1260					<.1				
Arsenic, total	2.21	<10.00	10.60	<4.00	<4.00	<4.00	<4.00		<4.00
Azobenzene					<8				
Barium, total	319.0	316.0	285.0	247.0	253.0	229.0	154.0		94.4
Benzene	<.5	<.5	<.5	<1.0	<1.0	<1.0	<1.0		<1.0
Benzo(a)anthracene					<8				
Benzo(a)pyrene					<8				
Benzo(b)fluoranthene					<8				
Benzo(g,h,i)perylene					<8				
Benzo(k)fluoranthene					<8				
Benzyl alcohol					<8				
Beryllium, total	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0		<4.0
Beta-bhc					<.05				
Bicarbonate alkalinity	716 *	600 *							
Bis (2-chloroethoxy) methane					<8				
Bis(2-chloroethyl) ether					<8				
Bis(2-ethylhexyl) phthalate					<8				
Bis[2-chloroisopropyl]ether					<8				
Bromochloromethane	<5	<5	<5	<1	<1	<1	<1		<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1		<1
Bromoform	<5	<5	<5	<1	<1	<1	<1		<1
Bromomethane	<4	<4	<4	<1	<1	<1	<1		<1
Butyl benzyl phthalate					<8				
Cadmium, total	<.50	<.50	<.50	<.80	<.80	<.80	<.80		<.80
Calcium, total	201 *	209 *							
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1		<1
Carbon tetrachloride	<2	<2	<2	<1	<1	<1	<1		<1
Carbonate alkalinity	<5 *	<5 *							
Chlordane					<.1				
Chloride	628 *	399 *							
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1		<1
Chlorobenzilate					<8				
Chloroethane	<4	<4	<4	<1	<1	<1	<1		<1
Chloroform	<1	<1	<1	<1	<1	<1	<1		<1
Chloromethane	<3	<3	<3	<1	<1	<1	<1		<1
Chloroprene					<1				
Chromium, total	<5.0	<5.0	<5.0	<8.0	<8.0	<8.0	<8.0		<8.0
Chrysene					<8				
Cis-1,2-dichloroethene	<1	<1	<1	<1	<1	<1	<1		<1
Cis-1,3-dichloropropene	<5	<5	<5	<1	<1	<1	<1		<1
Cobalt, total	.944	1.340	<.800	<.800	<.800	1.200	<2.000		<.800
Copper, total	2.68	<2.00	<5.00	<4.00	<4.00	<4.00	<4.00		<4.00
Cyanide					<.005				
Delta-bhc					<.05				
Diallate					<8				
Dibenzo(a,h)anthracene					<8				
Dibenzofuran					<8				
Dibromochloromethane	<5	<5	<5	<1	<1	<1	<1		<1
Dibromomethane				<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
Famphur					<.4				
Fluoranthene					<8				
Fluorene					<8				

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

Table 9

Analytical Data Summary for MW-12

Constituents	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022	11/11/2022
Antimony, total	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	
Arochlor 1016									
Arochlor 1221									
Arochlor 1232									
Arochlor 1242									
Arochlor 1248									
Arochlor 1254									
Arochlor 1260									
Arsenic, total	<4.00	4.40	14.50	<4.00	5.30	<4.00	<4.00	<4.00	
Azobenzene									
Barium, total	124.0	127.0	310.0	187.0	166.0	143.0	110.0	122.0	
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Benzo(a)anthracene									
Benzo(a)pyrene									
Benzo(b)fluoranthene									
Benzo(g,h,i)perylene									
Benzo(k)fluoranthene									
Benzyl alcohol									
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	
Beta-bhc									
Bicarbonate alkalinity									
Bis (2-chloroethoxy) methane									
Bis(2-chloroethyl) ether									
Bis(2-ethylhexyl) phthalate									
Bis[2-chloroisopropyl]ether									
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	<.80	<.80	<.80	<.80	<.80	<.80	<.80	<.80	
Calcium, total									
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	
Carbonate alkalinity									
Chlordane									
Chloride									
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-dichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	
Cobalt, total	<.800	.900	.700	.900	<.400	.600	.600	2.100	
Copper, total	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	
Cyanide									
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									

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

Table 9

Analytical Data Summary for MW-12

Constituents	3/7/2023	9/28/2023	3/11/2024	10/2/2024	12/11/2024	3/6/2025	9/16/2025
Antimony, total	<2.00	<2.00	<2.00	<2.00		<2.00	<1.00
Arochlor 1016							
Arochlor 1221							
Arochlor 1232							
Arochlor 1242							
Arochlor 1248							
Arochlor 1254							
Arochlor 1260							
Arsenic, total	5.10	<4.00	<4.00	<4.00		<4.00	<2.00
Azobenzene							
Barium, total	103.0	92.8	104.0	105.0		152.0	121.0
Benzene	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0
Benzo(a)anthracene							
Benzo(a)pyrene							
Benzo(b)fluoranthene							
Benzo(g,h,i)perylene							
Benzo(k)fluoranthene							
Benzyl alcohol							
Beryllium, total	<4.0	<4.0	<4.0	<4.0		<4.0	<.5
Beta-bhc							
Bicarbonate alkalinity							
Bis (2-chloroethoxy) methane							
Bis(2-chloroethyl) ether							
Bis(2-ethylhexyl) phthalate							
Bis[2-chloroisopropyl]ether							
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	<.80	<.80	<.80	<.80		<.80	<.20
Calcium, total							
Carbon disulfide	<1	<1	<1	<1		<1	<1
Carbon tetrachloride	<1	<1	<1	<1		<1	<1
Carbonate alkalinity							
Chlordane							
Chloride							
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	1.1
Chrysene							
Cis-1,2-dichloroethene	<1	<1	<1	<1		<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1		<1	<1
Cobalt, total	.600	.700	1.300	2.600		.900	.900
Copper, total	<4.00	<4.00	<4.00	<4.00		<4.00	<5.00
Cyanide							
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							

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

Table 9

Analytical Data Summary for MW-12

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	10/21/2014
Gamma-bhc [lindane]	ug/L							
Heptachlor	ug/L							
Heptachlor epoxide	ug/L							
Hexachlorobenzene	ug/L							
Hexachlorobutadiene	ug/L							
Hexachlorocyclopentadiene	ug/L							
Hexachloroethane	ug/L							
Hexachloropropene	ug/L							
Indeno(1,2,3-cd)pyrene	ug/L							
Iodomethane	ug/L							<10
Isobutanol	mg/L							
Isodrin	ug/L							
Isophorone	ug/L							
Isosafrole	ug/L							
Kepon	ug/L							
Lead, total	ug/L	<4.000	<4.000	<4.000	<4.000	<4.000		8.570
Magnesium, total	mg/L							
Mercury, total	ug/L	<.2						
Methacrylonitrile	ug/L							
Methapyrilene	ug/L							
Methoxychlor	ug/L							
Methyl methacrylate	ug/L							
Methyl methanesulfonate	ug/L							
Methyl parathion	ug/L							
Methylene bromide	ug/L							<1
Methylene chloride	ug/L							<5
Naphthalene	ug/L							
Nickel, total	ug/L	<50.0	<50.0	<50.0	<50.0	<50.0		53.9
Nitrobenzene	ug/L							
N-nitrosodiethylamine	ug/L							
N-nitrosodimethylamine	ug/L							
N-nitrosodi-n-butylamine	ug/L							
N-nitroso-di-n-propylamine	ug/L							
N-nitrosodiphenylamine	ug/L							
N-nitrosomethylethylamine	ug/L							
N-nitrosopiperidine	ug/L							
N-nitrosopyrrolidine	ug/L							
O,o,o-triethyl phosphorothioate	ug/L							
O-toluidine	ug/L							
P-(dimethylamino)azobenzene	ug/L							
Parathion	ug/L							
Pentachlorobenzene	ug/L							
Pentachloronitrobenzene (pcnb)	ug/L							
Pentachlorophenol	ug/L							
Phenacetin	ug/L							
Phenanthrene	ug/L							
Phenol	ug/L							
Phorate	ug/L							
Potassium, total	mg/L							
Pronamide	ug/L							
Propionitrile	ug/L							
Pyrene	ug/L							
Safrole	ug/L							
Selenium, total	ug/L	<5	<5	<5	<5	<5		<5
Silver, total	ug/L	<20	<20	<20	<20	<20		<20
Sodium, total	mg/L							
Styrene	ug/L							<1
Sulfate	mg/L							
Sulfide	mg/L	<1.0						
Tetrachloroethene	ug/L							<1
Thallium, total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0		<2.0
Thionazin	ug/L							
Tin, total	ug/L	<100					126	126
Toluene	ug/L							<1
Total suspended solids	mg/L						1380.0	1380.0
Toxaphene	ug/L							
Trans-1,2-dichloroethene	ug/L							<1
Trans-1,3-dichloropropene	ug/L							<5
Trans-1,4-dichloro-2-butene	ug/L							<10
Trichloroethene	ug/L							<1
Trichlorofluoromethane	ug/L							<4
Vanadium, total	ug/L	<50	<50	<50	<50	<50		<20
Vinyl acetate	ug/L							<10
Vinyl chloride	ug/L							<1
Xylenes, total	ug/L							<3
Zinc, total	ug/L	<20.0	<20.0	35.0	72.4	<20.0		26.9

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

Table 9

Analytical Data Summary for MW-12

Constituents	6/22/2015	11/12/2015	4/11/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018	6/5/2018	9/12/2018
Gamma-bhc [lindane]					<.05				
Heptachlor					<.05				
Heptachlor epoxide					<.05				
Hexachlorobenzene					<.05				
Hexachlorobutadiene					<8				
Hexachlorocyclopentadiene					<8				
Hexachloroethane					<8				
Hexachloropropene					<8				
Indeno(1,2,3-cd)pyrene					<8				
Iodomethane	<10	<10	<10	<1	<1	<1	<1		<1
Isobutanol					<1				
Isodrin					<8				
Isophorone					<8				
Isosafrole					<8				
Kepone					<8				
Lead, total	.577	.556	1.390	<4.000	<4.000	<4.000	<4.000		<4.000
Magnesium, total	83.2 *	84.7 *							
Mercury, total					<.5				
Methacrylonitrile					<1				
Methapyrilene					<8				
Methoxychlor					<.05				
Methyl methacrylate					<1				
Methyl methanesulfonate					<8				
Methyl parathion					<.4				
Methylene bromide	<1	<1	<1		<5	<5	<5		<5
Methylene chloride	<5	<5	<5	<5	<5	<5	<5		<5
Naphthalene					<8				
Nickel, total	22.4	24.5	12.0	11.0	15.8	11.7	29.7	12.7	8.4
Nitrobenzene					<8				
N-nitrosodiethylamine					<8				
N-nitrosodimethylamine					<8				
N-nitrosodi-n-butylamine					<8				
N-nitroso-di-n-propylamine					<8				
N-nitrosodiphenylamine					<8				
N-nitrosomethylethylamine					<8				
N-nitrosopiperidine					<8				
N-nitrosopyrrolidine					<8				
O,o,o-triethyl phosphorothioate					<.4				
O-toluidine					<8				
P-(dimethylamino)azobenzene					<8				
Parathion					<.4				
Pentachlorobenzene					<8				
Pentachloronitrobenzene (pcnb)					<8				
Pentachlorophenol					<8				
Phenacetin					<8				
Phenanthrene					<8				
Phenol					<8				
Phorate					<.4				
Potassium, total	1.26 *	1.50 *							
Pronamide					<8				
Propionitrile					<10				
Pyrene					<8				
Safrole					<8				
Selenium, total	<5	<5	<5	<4	<4	<4	<4		<4
Silver, total	<1	<1	<1	<4	<4	<4	<4		<4
Sodium, total	153 *	144 *							
Styrene	<1	<1	<1	<1	<1	<1	<1		<1
Sulfate	89.3 *	86.5 *							
Sulfide					<.1				
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1		<1
Thallium, total	<1.0	<1.0	<2.0	<4.0	<4.0	<4.0	<4.0		<4.0
Thionazin					<.4				
Tin, total	<5 *	<5 *	<5 *	<20	<20				
Toluene	<1	<1	<1	<1	<1	<1	<1		<1
Total suspended solids	65.3 *	98.1 *	147.0 *	100.0	514.0				
Toxaphene					<.2				
Trans-1,2-dichloroethene	<1	<1	<1	<1	<1	<1	<1		<1
Trans-1,3-dichloropropene	<5	<5	<5	<1	<1	<1	<1		<1
Trans-1,4-dichloro-2-butene	<10	<10	<10	<5	<5	<5	<5		<5
Trichloroethene	<1	<1	<1	<1	<1	<1	<1		<1
Trichlorofluoromethane	<4	<4	<4	<1	<1	<1	<1		<1
Vanadium, total	<5	<5	<5	<20	<20	<20	<20		<20
Vinyl acetate	<10	<10	<10	<5	<5	<5	<5		<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1		<1
Xylenes, total	<3	<3	<3	<2	<2	<2	<2		<2
Zinc, total	<10.0	<10.0	<10.0	<8.0	<8.0	<8.0	<8.0		32.9

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

Table 9

Analytical Data Summary for MW-12

Constituents	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022	11/11/2022
Gamma-bhc [lindane]									
Heptachlor									
Heptachlor epoxide									
Hexachlorobenzene									
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno(1,2,3-cd)pyrene									
Iodomethane	<1	<1	<1	<1	<1	<1	<1	<1	
Isobutanol									
Isodrin									
Isophorone									
Isosafrole									
Kepone									
Lead, total	<4.000	<4.000	<4.000	<4.000	<4.000	<4.000	<4.000	<4.000	
Magnesium, total									
Mercury, total									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl methacrylate									
Methyl methanesulfonate									
Methyl parathion									
Methylene bromide									
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	
Naphthalene									
Nickel, total	7.6	7.9	8.9	11.1	7.6	6.6	6.4	26.8	14.2
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									
P-(dimethylamino)azobenzene									
Parathion									
Pentachlorobenzene									
Pentachloronitrobenzene (pcnb)									
Pentachlorophenol									
Phenacetin									
Phenanthrene									
Phenol									
Phorate									
Potassium, total									
Pronamide									
Propionitrile									
Pyrene									
Safrole									
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	
Sodium, total									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	
Sulfate									
Sulfide									
Tetrachloroethene	<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	
Total suspended solids									
Toxaphene									
Trans-1,2-dichloroethene	<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	
Trichloroethene	<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	23.8	<20.0	37.9	<20.0	<20.0	<20.0	<20.0	<20.0	

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

Table 9

Analytical Data Summary for MW-12

Constituents	3/7/2023	9/28/2023	3/11/2024	10/2/2024	12/11/2024	3/6/2025	9/16/2025
Gamma-bhc [lindane]							
Heptachlor							
Heptachlor epoxide							
Hexachlorobenzene							
Hexachlorobutadiene							
Hexachlorocyclopentadiene							
Hexachloroethane							
Hexachloropropene							
Indeno(1,2,3-cd)pyrene							
Iodomethane	<1	<1	<1	<1		<1	<1
Isobutanol							
Isodrin							
Isophorone							
Isosafrole							
Kepone							
Lead, total	<4.000	<4.000	<4.000	<4.000		<4.000	<1.000
Magnesium, total							
Mercury, total							
Methacrylonitrile							
Methapyrilene							
Methoxychlor							
Methyl methacrylate							
Methyl methanesulfonate							
Methyl parathion							
Methylene bromide							
Methylene chloride	<5	<5	<5	<5		<5	<5
Naphthalene							
Nickel, total	5.7	8.1	13.1	41.6	11.3	11.4	19.5
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							
P-(dimethylamino)azobenzene							
Parathion							
Pentachlorobenzene							
Pentachloronitrobenzene (pcnb)							
Pentachlorophenol							
Phenacetin							
Phenanthrene							
Phenol							
Phorate							
Potassium, total							
Pronamide							
Propionitrile							
Pyrene							
Safrole							
Selenium, total	<4	<4	<4	<4		<4	<2
Silver, total	<4	<4	<4	<4		<4	<5
Sodium, total							
Styrene	<1	<1	<1	<1		<1	<1
Sulfate							
Sulfide							
Tetrachloroethene	<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
Total suspended solids							
Toxaphene							
Trans-1,2-dichloroethene	<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
Trichloroethene	<1	<1	<1	<1		<1	<1
Trichlorofluoromethane	<1	<1	<1	<1		<1	<1
Vanadium, total	<20	<20	<20	<20		<20	<2
Vinyl acetate	<5	<5	<5	<5		<5	<5
Vinyl chloride	<1	<1	<1	<1		<1	<1
Xylenes, total	<2	<2	<2	<2		<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0		<20.0	12.3

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

Table 9

Analytical Data Summary for MW-14

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	10/21/2014
(3,4)-methylphenol	ug/L							<1
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							2.46
1,1-dichloroethene	ug/L							<2
1,1-dichloropropene	ug/L							
1,2,3-trichloropropane	ug/L							<1
1,2,4,5-tetrachlorobenzene	ug/L							
1,2,4-trichlorobenzene	ug/L							
1,2-dibromo-3-chloropropane	ug/L							<.12
1,2-dibromoethane	ug/L							<.13
1,2-dichlorobenzene	ug/L							<1
1,2-dichloroethane	ug/L							<1
1,2-dichloropropane	ug/L							<1
1,2-dinitrobenzene	ug/L							
1,3,5-trinitrobenzene	ug/L							
1,3-dichlorobenzene	ug/L							
1,3-dichloropropane	ug/L							
1,3-dinitrobenzene	ug/L							
1,4-dichlorobenzene	ug/L							<1
1,4-naphthoquinone	ug/L							
1,4-phenylenediamine	ug/L							
1-naphthylamine	ug/L							
2,2-dichloropropane	ug/L							
2,3,4,6-tetrachlorophenol	ug/L							
2,4,5-t	ug/L							
2,4,5-tp (silvex)	ug/L							
2,4,5-trichlorophenol	ug/L							
2,4,6-trichlorophenol	ug/L							
2,4-d	ug/L							
2,4-dichlorophenol	ug/L							
2,4-dimethylphenol	ug/L							
2,4-dinitrophenol	ug/L							
2,4-dinitrotoluene	ug/L							
2,6-dichlorophenol	ug/L							
2,6-dinitrotoluene	ug/L							
2-acetylaminofluorene	ug/L							
2-butanone	ug/L							<10
2-chloronaphthalene	ug/L							
2-chlorophenol	ug/L							
2-hexanone	ug/L							<10
2-methylnaphthalene	ug/L							
2-methylphenol (o-cresol)	ug/L							
2-naphthylamine	ug/L							
2-nitroaniline	ug/L							
2-nitrophenol	ug/L							
3,3'-dichlorobenzidine	ug/L							
3,3-dimethylbenzidine	ug/L							
3-methylcholanthrene	ug/L							
3-nitroaniline	ug/L							
4,4'-ddd	ug/L							
4,4'-dde	ug/L							
4,4'-ddt	ug/L							
4,6-dinitro-2-methylphenol	ug/L							
4-aminobiphenyl	ug/L							
4-bromophenyl phenyl ether	ug/L							
4-chloro-3-methylphenol	ug/L							
4-chloroaniline	ug/L							
4-chlorophenyl phenyl ether	ug/L							
4-methyl-2-pentanone	ug/L							<10
4-nitroaniline	ug/L							
4-nitrophenol	ug/L							
5-nitro-o-toluidine	ug/L							
7,12-dimethylbenz [a] anthracene	ug/L							
Acenaphthene	ug/L							
Acenaphthylene	ug/L							
Acetone	ug/L							<10.0
Acetonitrile	ug/L							
Acetophenone	ug/L							
Acrolein	ug/L							
Acrylonitrile	ug/L							<10
Aldrin	ug/L							
Allyl chloride	ug/L							
Alpha-bhc	ug/L							
Anthracene	ug/L							

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

Table 9

Analytical Data Summary for MW-14

Constituents	6/22/2015	11/12/2015	4/11/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018	9/12/2018	4/1/2019
(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	1.52	<1.00	<1.00	<1.00	1.30	1.10	<1.00	<1.00	1.00
1,1-dichloroethene	<2	<2	<2	<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	<.50	<.50	<.50	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-dibromoethane	<.13	<.13	<.13	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
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	<10	<10	<10	<5	<5	<5	<5	<5	<5
2-chloronaphthalene					<8				
2-chlorophenol					<8				
2-hexanone	<10	<10	<10	<5	<5	<5	<5	<5	<5
2-methylnaphthalene					<8				
2-methylphenol (o-cresol)					<8				
2-naphthylamine					<8				
2-nitroaniline					<8				
2-nitrophenol					<8				
3,3'-dichlorobenzidine					<8				
3,3-dimethylbenzidine					<8				
3-methylcholanthrene					<8				
3-nitroaniline					<8				
4,4'-ddd					<.05				
4,4'-dde					<.05				
4,4'-ddt					<.05				
4,6-dinitro-2-methylphenol					<8				
4-aminobiphenyl					<8				
4-bromophenyl phenyl ether					<8				
4-chloro-3-methylphenol					<8				
4-chloroaniline					<8				
4-chlorophenyl phenyl ether					<8				
4-methyl-2-pentanone	<10	<10	<10	<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	12.9	<10.0	<10.0	<10.0
Acetonitrile					<10				
Acetophenone					<8				
Acrolein					<10				
Acrylonitrile	<10	<10	<10	<5	<5	<5	<5	<5	<5
Aldrin					<.05				
Allyl chloride					<1				
Alpha-bhc					<.05				
Anthracene					<8				

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

Table 9

Analytical Data Summary for MW-14

Constituents	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022	3/7/2023	9/28/2023
(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	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-dichloroethene	<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	<1.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
1,2-dibromoethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
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	<5	<5	<5	<5	<5	<10	<10	<10	<10
2-chloronaphthalene									
2-chlorophenol									
2-hexanone	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene									
2-methylphenol (o-cresol)									
2-naphthylamine									
2-nitroaniline									
2-nitrophenol									
3,3'-dichlorobenzidine									
3,3-dimethylbenzidine									
3-methylcholanthrene									
3-nitroaniline									
4,4'-ddd									
4,4'-dde									
4,4'-ddt									
4,6-dinitro-2-methylphenol									
4-aminobiphenyl									
4-bromophenyl phenyl ether									
4-chloro-3-methylphenol									
4-chloroaniline									
4-chlorophenyl phenyl ether									
4-methyl-2-pentanone	<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-14

Constituents	3/11/2024	10/2/2024	3/6/2025	9/16/2025
(3,4)-methylphenol				
1,1,1,2-tetrachloroethane	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1
1,1-dichloroethane	<1.00	<1.00	<1.00	<1.00
1,1-dichloroethene	<1	<1	<1	<1
1,1-dichloropropene				
1,2,3-trichloropropane	<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene				
1,2,4-trichlorobenzene				
1,2-dibromo-3-chloropropane	<5.00	<5.00	<5.00	<5.00
1,2-dibromoethane	<1.00	<1.00	<1.00	<1.00
1,2-dichlorobenzene	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1
1,2-dinitrobenzene				
1,3,5-trinitrobenzene				
1,3-dichlorobenzene				
1,3-dichloropropane				
1,3-dinitrobenzene				
1,4-dichlorobenzene	<1	<1	<1	<1
1,4-naphthoquinone				
1,4-phenylenediamine				
1-naphthylamine				
2,2-dichloropropane				
2,3,4,6-tetrachlorophenol				
2,4,5-t				
2,4,5-tp (silvex)				
2,4,5-trichlorophenol				
2,4,6-trichlorophenol				
2,4-d				
2,4-dichlorophenol				
2,4-dimethylphenol				
2,4-dinitrophenol				
2,4-dinitrotoluene				
2,6-dichlorophenol				
2,6-dinitrotoluene				
2-acetylaminofluorene				
2-butanone	<10	<10	<10	<10
2-chloronaphthalene				
2-chlorophenol				
2-hexanone	<5	<5	<5	<5
2-methylnaphthalene				
2-methylphenol (o-cresol)				
2-naphthylamine				
2-nitroaniline				
2-nitrophenol				
3,3'-dichlorobenzidine				
3,3-dimethylbenzidine				
3-methylcholanthrene				
3-nitroaniline				
4,4'-ddd				
4,4'-dde				
4,4'-ddt				
4,6-dinitro-2-methylphenol				
4-aminobiphenyl				
4-bromophenyl phenyl ether				
4-chloro-3-methylphenol				
4-chloroaniline				
4-chlorophenyl phenyl ether				
4-methyl-2-pentanone	<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
Acetonitrile				
Acetophenone				
Acrolein				
Acrylonitrile	<5	<5	<5	<5
Aldrin				
Allyl chloride				
Alpha-bhc				
Anthracene				

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

Table 9

Analytical Data Summary for MW-14

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	10/21/2014
Antimony, total	ug/L	<6	<12	<6	<6	<6		<6
Arochlor 1016	ug/L							
Arochlor 1221	ug/L							
Arochlor 1232	ug/L							
Arochlor 1242	ug/L							
Arochlor 1248	ug/L							
Arochlor 1254	ug/L							
Arochlor 1260	ug/L							
Arsenic, total	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00		2.11
Azobenzene	ug/L							
Barium, total	ug/L	334	323	305	378	371		469
Benzene	ug/L							<.5
Benzo(a)anthracene	ug/L							
Benzo(a)pyrene	ug/L							
Benzo(b)fluoranthene	ug/L							
Benzo(g,h,i)perylene	ug/L							
Benzo(k)fluoranthene	ug/L							
Benzyl alcohol	ug/L							
Beryllium, total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0
Beta-bhc	ug/L							
Bicarbonate alkalinity	mg/L as CaCO3							
Bis (2-chloroethoxy) methane	ug/L							
Bis(2-chloroethyl) ether	ug/L							
Bis(2-ethylhexyl) phthalate	ug/L							
Bis[2-chloroisopropyl]ether	ug/L							
Bromochloromethane	ug/L							<5
Bromodichloromethane	ug/L							<1
Bromoform	ug/L							<5
Bromomethane	ug/L							<4
Butyl benzyl phthalate	ug/L							
Cadmium, total	ug/L	<.500	<.500	<.500	<.500	<.500		.909
Calcium, total	mg/L							
Carbon disulfide	ug/L							<1
Carbon tetrachloride	ug/L							<2
Carbonate alkalinity	mg/L as CaCO3							
Chlordane	ug/L							
Chloride	mg/L							
Chlorobenzene	ug/L							<1
Chlorobenzilate	ug/L							
Chloroethane	ug/L							<4
Chloroform	ug/L							<1
Chloromethane	ug/L							<3
Chloroprene	ug/L							
Chromium, total	ug/L	<20.0	<20.0	<20.0	<20.0	<20.0		<20.0
Chrysene	ug/L							
Cis-1,2-dichloroethene	ug/L							<1
Cis-1,3-dichloropropene	ug/L							<5
Cobalt, total	ug/L	<20.00	<20.00	<1.32	<1.32	<7.00		5.10
Copper, total	ug/L	<20.0	<20.0	<20.0	<20.0	<20.0		20.4
Cyanide	mg/L	<.010						
Delta-bhc	ug/L							
Diallate	ug/L							
Dibenzo(a,h)anthracene	ug/L							
Dibenzofuran	ug/L							
Dibromochloromethane	ug/L							<5
Dibromomethane	ug/L							
Dichlorodifluoromethane	ug/L							
Dieldrin	ug/L							
Diethyl phthalate	ug/L							
Dimethoate	ug/L							
Dimethylphthalate	ug/L							
Di-n-butyl phthalate	ug/L							
Di-n-octyl phthalate	ug/L							
Dinoseb	ug/L							
Diphenylamine	ug/L							
Disulfoton	ug/L							
Endosulfan i	ug/L							
Endosulfan ii	ug/L							
Endosulfan sulfate	ug/L							
Endrin	ug/L							
Endrin aldehyde	ug/L							
Ethyl methacrylate	ug/L							
Ethyl methanesulfonate	ug/L							
Ethylbenzene	ug/L							<1
Famphur	ug/L							
Fluoranthene	ug/L							
Fluorene	ug/L							

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

Table 9

Analytical Data Summary for MW-14

Constituents	6/22/2015	11/12/2015	4/11/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018	9/12/2018	4/1/2019
Antimony, total	<1	<1	<1	<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	<2.00	<2.00	<1.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Azobenzene					<8				
Barium, total	274	296	244	276	272	300	311	272	320
Benzene	<.5	<.5	<.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(a)anthracene					<8				
Benzo(a)pyrene					<8				
Benzo(b)fluoranthene					<8				
Benzo(g,h,i)perylene					<8				
Benzo(k)fluoranthene					<8				
Benzyl alcohol					<8				
Beryllium, total	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc					<.05				
Bicarbonate alkalinity	459 *	486 *							
Bis (2-chloroethoxy) methane					<8				
Bis(2-chloroethyl) ether					<8				
Bis(2-ethylhexyl) phthalate					<8				
Bis[2-chloroisopropyl]ether					<8				
Bromochloromethane	<5	<5	<5	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<5	<5	<5	<1	<1	<1	<1	<1	<1
Bromomethane	<4	<4	<4	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate					<8				
Cadmium, total	<.500	<.500	<.500	<.800	<.800	<.800	<.800	<.800	<.800
Calcium, total	110 *	127 *							
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<2	<2	<2	<1	<1	<1	<1	<1	<1
Carbonate alkalinity	<5 *	<5 *							
Chlordane					<.1				
Chloride	41.8 *	44.4 *							
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate					<8				
Chloroethane	<4	<4	<4	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<3	<3	<3	<1	<1	<1	<1	<1	<1
Chloroprene					<1				
Chromium, total	<5.0	<5.0	<5.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene					<8				
Cis-1,2-dichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<5	<5	<5	<1	<1	<1	<1	<1	<1
Cobalt, total	<.80	<.80	<.80	<.80	<.80	<.80	<2.00	<.80	1.50
Copper, total	<2.0	<2.0	<2.0	11.3	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide					.010	<.005		<.005	<.005
Delta-bhc					<.05				
Diallate					<8				
Dibenzo(a,h)anthracene					<8				
Dibenzofuran					<8				
Dibromochloromethane	<5	<5	<5	<1	<1	<1	<1	<1	<1
Dibromomethane				<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane					<1				
Dieldrin					<.05				
Diethyl phthalate					<8				
Dimethoate					<.4				
Dimethylphthalate					<8				
Di-n-butyl phthalate					<8				
Di-n-octyl phthalate					<8				
Dinoseb					<.5				
Diphenylamine					<8				
Disulfoton					<.4				
Endosulfan i					<.05				
Endosulfan ii					<.05				
Endosulfan sulfate					<.05				
Endrin					<.05				
Endrin aldehyde					<.05				
Ethyl methacrylate					<10				
Ethyl methanesulfonate					<8				
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur					<.4				
Fluoranthene					<8				
Fluorene					<8				

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

Table 9

Analytical Data Summary for MW-14

Constituents	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022	3/7/2023	9/28/2023
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	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Azobenzene									
Barium, total	353	318	330	302	388	326	290	399	421
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(a)anthracene									
Benzo(a)pyrene									
Benzo(b)fluoranthene									
Benzo(g,h,i)perylene									
Benzo(k)fluoranthene									
Benzyl alcohol									
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc									
Bicarbonate alkalinity									
Bis (2-chloroethoxy) methane									
Bis(2-chloroethyl) ether									
Bis(2-ethylhexyl) phthalate									
Bis[2-chloroisopropyl]ether									
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	1.200	<.800	<.800	<.800	<.800	<.800	<.800	<.800	<.800
Calcium, total									
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbonate alkalinity									
Chlordane									
Chloride									
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-dichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.80	.40	.90	<.40	3.20	.60	<.40	<.40	<.40
Copper, total	4.2	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Cyanide	<.005	<.005							
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									

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

Table 9

Analytical Data Summary for MW-14

Constituents	3/11/2024	10/2/2024	3/6/2025	9/16/2025
Antimony, total	<2	<2	<2	<1
Arochlor 1016				
Arochlor 1221				
Arochlor 1232				
Arochlor 1242				
Arochlor 1248				
Arochlor 1254				
Arochlor 1260				
Arsenic, total	<4.00	<4.00	<4.00	<2.00
Azobenzene				
Barium, total	439	401	355	366
Benzene	<1.0	<1.0	<1.0	<1.0
Benzo(a)anthracene				
Benzo(a)pyrene				
Benzo(b)fluoranthene				
Benzo(g,h,i)perylene				
Benzo(k)fluoranthene				
Benzyl alcohol				
Beryllium, total	<4.0	<4.0	<4.0	<.5
Beta-bhc				
Bicarbonate alkalinity				
Bis (2-chloroethoxy) methane				
Bis(2-chloroethyl) ether				
Bis(2-ethylhexyl) phthalate				
Bis[2-chloroisopropyl]ether				
Bromochloromethane	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1
Butyl benzyl phthalate				
Cadmium, total	<.800	<.800	<.800	<.200
Calcium, total				
Carbon disulfide	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1
Carbonate alkalinity				
Chlordane				
Chloride				
Chlorobenzene	<1	<1	<1	<1
Chlorobenzilate				
Chloroethane	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1
Chloroprene				
Chromium, total	<8.0	<8.0	<8.0	1.1
Chrysene				
Cis-1,2-dichloroethene	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1
Cobalt, total	<.40	<.40	<.40	<.50
Copper, total	<4.0	<4.0	<4.0	<5.0
Cyanide				
Delta-bhc				
Diallate				
Dibenzo(a,h)anthracene				
Dibenzofuran				
Dibromochloromethane	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1
Dichlorodifluoromethane				
Dieldrin				
Diethyl phthalate				
Dimethoate				
Dimethylphthalate				
Di-n-butyl phthalate				
Di-n-octyl phthalate				
Dinoseb				
Diphenylamine				
Disulfoton				
Endosulfan i				
Endosulfan ii				
Endosulfan sulfate				
Endrin				
Endrin aldehyde				
Ethyl methacrylate				
Ethyl methanesulfonate				
Ethylbenzene	<1	<1	<1	<1
Famphur				
Fluoranthene				
Fluorene				

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

Table 9

Analytical Data Summary for MW-14

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	10/21/2014
Gamma-bhc [lindane]	ug/L							
Heptachlor	ug/L							
Heptachlor epoxide	ug/L							
Hexachlorobenzene	ug/L							
Hexachlorobutadiene	ug/L							
Hexachlorocyclopentadiene	ug/L							
Hexachloroethane	ug/L							
Hexachloropropene	ug/L							
Indeno(1,2,3-cd)pyrene	ug/L							
Iodomethane	ug/L							<10
Isobutanol	mg/L							
Isodrin	ug/L							
Isophorone	ug/L							
Isosafrole	ug/L							
Kepone	ug/L							
Lead, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0		<5.0
Magnesium, total	mg/L							
Mercury, total	ug/L	<.2						
Methacrylonitrile	ug/L							
Methapyrilene	ug/L							
Methoxychlor	ug/L							
Methyl methacrylate	ug/L							
Methyl methanesulfonate	ug/L							
Methyl parathion	ug/L							
Methylene bromide	ug/L							<1
Methylene chloride	ug/L							<5
Naphthalene	ug/L							
Nickel, total	ug/L	<50.00	<50.00	<50.00	<50.00	<50.00		<30.00
Nitrobenzene	ug/L							
N-nitrosodiethylamine	ug/L							
N-nitrosodimethylamine	ug/L							
N-nitrosodi-n-butylamine	ug/L							
N-nitroso-di-n-propylamine	ug/L							
N-nitrosodiphenylamine	ug/L							
N-nitrosomethylethylamine	ug/L							
N-nitrosopiperidine	ug/L							
N-nitrosopyrrolidine	ug/L							
O,o,o-triethyl phosphorothioate	ug/L							
O-toluidine	ug/L							
P-(dimethylamino)azobenzene	ug/L							
Parathion	ug/L							
Pentachlorobenzene	ug/L							
Pentachloronitrobenzene (pcnb)	ug/L							
Pentachlorophenol	ug/L							
Phenacetin	ug/L							
Phenanthrene	ug/L							
Phenol	ug/L							
Phorate	ug/L							
Potassium, total	mg/L							
Pronamide	ug/L							
Propionitrile	ug/L							
Pyrene	ug/L							
Safrole	ug/L							
Selenium, total	ug/L	<5	<5	<5	<5	<5		<5
Silver, total	ug/L	<20	<20	<20	<20	<20		<20
Sodium, total	mg/L							
Styrene	ug/L							<1
Sulfate	mg/L							
Sulfide	mg/L	<1.0	<1.0 *					<1
Tetrachloroethene	ug/L							<1
Thallium, total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0		<2.0
Thionazin	ug/L							
Tin, total	ug/L	<100					139	139
Toluene	ug/L							<1
Total suspended solids	mg/L						1200.0	1200.0
Toxaphene	ug/L							
Trans-1,2-dichloroethene	ug/L							<1
Trans-1,3-dichloropropene	ug/L							<5
Trans-1,4-dichloro-2-butene	ug/L							<10
Trichloroethene	ug/L							<1
Trichlorofluoromethane	ug/L							<4
Vanadium, total	ug/L	<50	<50	<50	<50	<50		<20
Vinyl acetate	ug/L							<10
Vinyl chloride	ug/L							<1
Xylenes, total	ug/L							<3
Zinc, total	ug/L	<20.0	<20.0	59.6	65.8	<20.0		<20.0

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

Table 9

Analytical Data Summary for MW-14

Constituents	6/22/2015	11/12/2015	4/11/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018	9/12/2018	4/1/2019
Gamma-bhc [lindane]					<.05				
Heptachlor					<.05				
Heptachlor epoxide					<.05				
Hexachlorobenzene					<.05				
Hexachlorobutadiene					<8				
Hexachlorocyclopentadiene					<8				
Hexachloroethane					<8				
Hexachloropropene					<8				
Indeno(1,2,3-cd)pyrene					<8				
Iodomethane	<10	<10	<10	<1	<1	<1	<1	<1	<1
Isobutanol					<1				
Isodrin					<8				
Isophorone					<8				
Isosafrole					<8				
Kepone					<8				
Lead, total	<.5	<.5	<.5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Magnesium, total	40.7 *	47.5 *							
Mercury, total					<.5				
Methacrylonitrile					<1				
Methapyrilene					<8				
Methoxychlor					<.05				
Methyl methacrylate					<1				
Methyl methanesulfonate					<8				
Methyl parathion					<.4				
Methylene bromide	<1	<1	<1						
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene					<8				
Nickel, total	<5.00	6.49	5.40	27.40	4.90	4.50	5.70	7.00	22.90
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				
P-(dimethylamino)azobenzene					<8				
Parathion					<.4				
Pentachlorobenzene					<8				
Pentachloronitrobenzene (pcnb)					<8				
Pentachlorophenol					<8				
Phenacetin					<8				
Phenanthrene					<8				
Phenol					<8				
Phorate					<.4				
Potassium, total	<1.00 *	1.14 *							
Pronamide					<8				
Propionitrile					<10				
Pyrene					<8				
Safrole					<8				
Selenium, total	<5	<5	<5	<4	<4	<4	<4	<4	<4
Silver, total	<1	<1	<1	<4	<4	<4	<4	<4	<4
Sodium, total	24.2 *	22.7 *							
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate	15.2 *	23.1 *							
Sulfide					<.1				
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<1.0	<2.0	<2.0	<4.0	<4.0	<4.0	<4.0	<4.0	<2.0
Thionazin					<.4				
Tin, total	<5 *	<5 *	<5 *	<20	<20				
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total suspended solids	33.4 *	43.1 *	122.0 *	36.0	985.0				
Toxaphene					<.2				
Trans-1,2-dichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<5	<5	<5	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<10	<10	<10	<5	<5	<5	<5	<5	<5
Trichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<4	<4	<4	<1	<1	<1	<1	<1	<1
Vanadium, total	<5	<5	<5	<20	<20	<20	<20	<20	<20
Vinyl acetate	<10	<10	<10	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<3	<3	<3	<2	<2	<2	<2	<2	<2
Zinc, total	12.9	<10.0	20.7	12.0	17.5	<8.0	15.3	31.3	29.4

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

Table 9

Analytical Data Summary for MW-14

Constituents	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022	3/7/2023	9/28/2023
Gamma-bhc [lindane]									
Heptachlor									
Heptachlor epoxide									
Hexachlorobenzene									
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno(1,2,3-cd)pyrene									
Iodomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Isobutanol									
Isodrin									
Isophorone									
Isosafrole									
Kepona									
Lead, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Magnesium, total									
Mercury, total									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl methacrylate									
Methyl methanesulfonate									
Methyl parathion									
Methylene bromide									
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene									
Nickel, total	14.40	17.60	11.20	4.30	12.00	4.70	4.80	5.50	13.10
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									
P-(dimethylamino)azobenzene									
Parathion									
Pentachlorobenzene									
Pentachloronitrobenzene (pcnb)									
Pentachlorophenol									
Phenacetin									
Phenanthrene									
Phenol									
Phorate									
Potassium, total									
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
Sodium, total									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate									
Sulfide									
Tetrachloroethene	<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
Total suspended solids									
Toxaphene									
Trans-1,2-dichloroethene	<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
Trichloroethene	<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	29.9	<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-14

Constituents	3/11/2024	10/2/2024	3/6/2025	9/16/2025
Gamma-bhc [lindane]				
Heptachlor				
Heptachlor epoxide				
Hexachlorobenzene				
Hexachlorobutadiene				
Hexachlorocyclopentadiene				
Hexachloroethane				
Hexachloropropene				
Indeno(1,2,3-cd)pyrene				
Iodomethane	<1	<1	<1	<1
Isobutanol				
Isodrin				
Isophorone				
Isosafrole				
Kepon				
Lead, total	<4.0	<4.0	<4.0	<1.0
Magnesium, total				
Mercury, total				
Methacrylonitrile				
Methapyrilene				
Methoxychlor				
Methyl methacrylate				
Methyl methanesulfonate				
Methyl parathion				
Methylene bromide				
Methylene chloride	<5	<5	<5	<5
Naphthalene				
Nickel, total	6.00	9.50	5.30	5.90
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				
P-(dimethylamino)azobenzene				
Parathion				
Pentachlorobenzene				
Pentachloronitrobenzene (pcnb)				
Pentachlorophenol				
Phenacetin				
Phenanthrene				
Phenol				
Phorate				
Potassium, total				
Pronamide				
Propionitrile				
Pyrene				
Safrole				
Selenium, total	<4	<4	<4	<2
Silver, total	<4	<4	<4	<5
Sodium, total				
Styrene	<1	<1	<1	<1
Sulfate				
Sulfide				
Tetrachloroethene	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<5
Thionazin				
Tin, total				
Toluene	<1	<1	<1	<1
Total suspended solids				
Toxaphene				
Trans-1,2-dichloroethene	<1	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5	<5
Trichloroethene	<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	31.1

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

Table 9

Analytical Data Summary for MW-19

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	10/21/2014
Chlorobenzene	ug/L							<1
Chlorobenzilate	ug/L							
Chloroethane	ug/L							<4
Chloroform	ug/L							<1
Chloromethane	ug/L							<3
Chloroprene	ug/L							
Chromium, total	ug/L	<20	<20	<20	<20	<20		<20
Chrysene	ug/L							
Cis-1,2-dichloroethene	ug/L							<1
Cis-1,3-dichloropropene	ug/L							<5
Cobalt, total	ug/L	<20.00	<20.00	3.44	<1.32	<7.00		16.90
Copper, total	ug/L	<20.00	<20.00	<20.00	<20.00	<20.00		49.60
Cyanide	mg/L	<.010						
Delta-bhc	ug/L							
Diallate	ug/L							
Dibenzo(a,h)anthracene	ug/L							
Dibenzofuran	ug/L							
Dibromochloromethane	ug/L							<5
Dibromomethane	ug/L							
Dichlorodifluoromethane	ug/L							
Dieldrin	ug/L							
Diethyl phthalate	ug/L							
Dimethoate	ug/L							
Dimethylphthalate	ug/L							
Di-n-butyl phthalate	ug/L							<10.5
Di-n-octyl phthalate	ug/L							
Dinoseb	ug/L							
Diphenylamine	ug/L							
Disulfoton	ug/L							
Endosulfan i	ug/L							
Endosulfan ii	ug/L							
Endosulfan sulfate	ug/L							
Endrin	ug/L							
Endrin aldehyde	ug/L							
Ethyl methacrylate	ug/L							
Ethyl methanesulfonate	ug/L							
Ethylbenzene	ug/L							<1
Famphur	ug/L							
Fluoranthene	ug/L							
Fluorene	ug/L							
Gamma-bhc [lindane]	ug/L							
Heptachlor	ug/L							
Heptachlor epoxide	ug/L							
Hexachlorobenzene	ug/L							
Hexachlorobutadiene	ug/L							
Hexachlorocyclopentadiene	ug/L							
Hexachloroethane	ug/L							
Hexachloropropene	ug/L							
Indeno(1,2,3-cd)pyrene	ug/L							
Iodomethane	ug/L							<10
Isobutanol	mg/L							
Isodrin	ug/L							
Isophorone	ug/L							
Isosafrole	ug/L							
Kepone	ug/L							
Lead, total	ug/L	<4.000	<4.000	<4.000	<4.000	<4.000		4.150
Magnesium, total	mg/L							
Mercury, total	ug/L	<.2						
Methacrylonitrile	ug/L							
Methapyrilene	ug/L							
Methoxychlor	ug/L							
Methyl methacrylate	ug/L							
Methyl methanesulfonate	ug/L							
Methyl parathion	ug/L							
Methylene bromide	ug/L							<1
Methylene chloride	ug/L							<5
Naphthalene	ug/L							
Nickel, total	ug/L	<50.00	<50.00	<50.00	<50.00	<50.00		<50.00
Nitrobenzene	ug/L							
N-nitrosodiethylamine	ug/L							
N-nitrosodimethylamine	ug/L							
N-nitrosodi-n-butylamine	ug/L							
N-nitroso-di-n-propylamine	ug/L							
N-nitrosodiphenylamine	ug/L							
N-nitrosomethylethylamine	ug/L							
N-nitrosopiperidine	ug/L							
N-nitrosopyrrolidine	ug/L							

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

Table 9

Analytical Data Summary for MW-19

Constituents	6/22/2015	11/12/2015	4/11/2016	4/12/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018	9/12/2018
Chlorobenzene	<1	<1		<1	<1	<1	<1	<1	<1
Chlorobenzilate						<8			
Chloroethane	<4	<4		<4	<1	<1	<1	<1	<1
Chloroform	<1	<1		<1	<1	<1	<1	<1	<1
Chloromethane	<3	<3		<3	<1	<1	<1	<1	<1
Chloroprene						<1			
Chromium, total	<5	<5		<5	<8	<8	<8	<8	<8
Chrysene						<8			
Cis-1,2-dichloroethene	<1	<1		<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<5	<5		<5	<1	<1	<1	<1	<1
Cobalt, total	5.72	2.09		5.01	7.40	2.30	1.60	4.50	2.70
Copper, total	6.17	2.61		<5.00	<4.00	<4.00	<4.00	<4.00	<4.00
Cyanide						<.005			
Delta-bhc						<.05			
Diallate						<8			
Dibenzo(a,h)anthracene						<8			
Dibenzofuran						<8			
Dibromochloromethane	<5	<5		<5	<1	<1	<1	<1	<1
Dibromomethane					<1	<1	<1	<1	<1
Dichlorodifluoromethane						<1			
Dieldrin						<.05			
Diethyl phthalate						<8			
Dimethoate						<.4			
Dimethylphthalate						<8			
Di-n-butyl phthalate						<8.0			
Di-n-octyl phthalate						<8			
Dinoseb						<.5			
Diphenylamine						<8			
Disulfoton						<.4			
Endosulfan i						<.05			
Endosulfan ii						<.05			
Endosulfan sulfate						<.05			
Endrin						<.05			
Endrin aldehyde						<.05			
Ethyl methacrylate						<10			
Ethyl methanesulfonate						<8			
Ethylbenzene	<1	<1		<1	<1	<1	<1	<1	<1
Famphur						<.4			
Fluoranthene						<8			
Fluorene						<8			
Gamma-bhc [lindane]						<.05			
Heptachlor						<.05			
Heptachlor epoxide						<.05			
Hexachlorobenzene						<.05			
Hexachlorobutadiene						<8			
Hexachlorocyclopentadiene						<8			
Hexachloroethane						<8			
Hexachloropropene						<8			
Indeno(1,2,3-cd)pyrene						<8			
Iodomethane	<10	<10		<10	<1	<1	<1	<1	<1
Isobutanol						<1			
Isodrin						<8			
Isophorone						<8			
Isosafrole						<8			
Kepone						<8			
Lead, total	1.750	<.500		.873	<4.000	<4.000	<4.000	<4.000	<4.000
Magnesium, total	72.4 *	77.7 *							
Mercury, total						<.5			
Methacrylonitrile						<1			
Methapyriline						<8			
Methoxychlor						<.05			
Methyl methacrylate						<1			
Methyl methanesulfonate						<8			
Methyl parathion						<.4			
Methylene bromide	<1	<1		<1					
Methylene chloride	<5	<5		<5	<5	<5	<5	<5	<5
Naphthalene						<8			
Nickel, total	8.11	8.46		11.10	8.00	11.20	8.20	12.00	7.00
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			

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

Table 9

Analytical Data Summary for MW-19

Constituents	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate							<8	
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene							<1	
Chromium, total	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene							<8	
Cis-1,2-dichloroethene	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	3.70	5.90	6.10	4.30	3.40	3.00	4.80	1.40
Copper, total	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Cyanide							<.005	
Delta-bhc							<.05	
Diallate							<8	
Dibenzo(a,h)anthracene							<8	
Dibenzofuran							<8	
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane							<1	
Dieldrin							<.05	
Diethyl phthalate							<8	
Dimethoate							<.4	
Dimethylphthalate							<8	
Di-n-butyl phthalate							<8.0	
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	
Hexachlorobenzene							<.05	
Hexachlorobutadiene							<8	
Hexachlorocyclopentadiene							<8	
Hexachloroethane							<8	
Hexachloropropene							<8	
Indeno(1,2,3-cd)pyrene							<8	
Iodomethane	<1	<1	<1	<1	<1	<1	<2	<1
Isobutanol							<1	
Isodrin							<8	
Isophorone							<8	
Isosafrole							<8	
Kepone							<8	
Lead, total	<4.000	<4.000	<4.000	<4.000	<4.000	<4.000	<4.000	<4.000
Magnesium, total							<.5	
Mercury, total							<.1	
Methacrylonitrile							<8	
Methapyrilene							<8	
Methoxychlor							<.05	
Methyl methacrylate							<.1	
Methyl methanesulfonate							<8	
Methyl parathion							<.4	
Methylene bromide							<.5	
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene							<8	
Nickel, total	12.90	15.20	12.40	15.30	11.00	10.70	11.10	7.60
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	

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

Table 9

Analytical Data Summary for MW-19

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	10/21/2014
O,o,o-triethyl phosphorothioate	ug/L							
O-toluidine	ug/L							
P-(dimethylamino)azobenzene	ug/L							
Parathion	ug/L							
Pentachlorobenzene	ug/L							
Pentachloronitrobenzene (pcnb)	ug/L							
Pentachlorophenol	ug/L							
Phenacetin	ug/L							
Phenanthrene	ug/L							
Phenol	ug/L							
Phorate	ug/L							
Potassium, total	mg/L							
Pronamide	ug/L							
Propionitrile	ug/L							
Pyrene	ug/L							
Safrole	ug/L							
Selenium, total	ug/L	<5	<5	<5	<5	<5		<5
Silver, total	ug/L	<20	<20	<20	<20	<20		<20
Sodium, total	mg/L							
Styrene	ug/L							<1
Sulfate	mg/L							
Sulfide	mg/L	<1.0	<1.0 *					
Tetrachloroethene	ug/L							<1
Thallium, total	ug/L	<2	<2	<2	<2	<2		<2
Thionazin	ug/L							
Tin, total	ug/L	<100					126	126
Toluene	ug/L							<1
Total suspended solids	mg/L						3570	3570
Toxaphene	ug/L							
Trans-1,2-dichloroethene	ug/L							<1
Trans-1,3-dichloropropene	ug/L							<5
Trans-1,4-dichloro-2-butene	ug/L							<10
Trichloroethene	ug/L							<1
Trichlorofluoromethane	ug/L							<4
Vanadium, total	ug/L	<50	<50	<50	<50	<50		<20
Vinyl acetate	ug/L							<10
Vinyl chloride	ug/L							<1
Xylenes, total	ug/L							<3
Zinc, total	ug/L	<20.0	<20.0	44.1	76.3	<20.0		46.6
(3,4)-methylphenol	ug/L							<1
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-dichloroethene	ug/L							<2
1,1-dichloropropene	ug/L							
1,2,3-trichloropropane	ug/L							<1
1,2,4,5-tetrachlorobenzene	ug/L							
1,2,4-trichlorobenzene	ug/L							
1,2-dibromo-3-chloropropane	ug/L							<.12
1,2-dibromoethane	ug/L							<.13
1,2-dichlorobenzene	ug/L							<1
1,2-dichloroethane	ug/L							<1
1,2-dichloropropane	ug/L							<1
1,2-dinitrobenzene	ug/L							
1,3,5-trinitrobenzene	ug/L							
1,3-dichlorobenzene	ug/L							
1,3-dichloropropane	ug/L							
1,3-dinitrobenzene	ug/L							
1,4-dichlorobenzene	ug/L							<1
1,4-naphthoquinone	ug/L							
1,4-phenylenediamine	ug/L							
1-naphthylamine	ug/L							
2,2-dichloropropane	ug/L							
2,3,4,6-tetrachlorophenol	ug/L							
2,4,5-t	ug/L							
2,4,5-tp (silvex)	ug/L							
2,4,5-trichlorophenol	ug/L							
2,4,6-trichlorophenol	ug/L							
2,4-d	ug/L							
2,4-dichlorophenol	ug/L							
2,4-dimethylphenol	ug/L							
2,4-dinitrophenol	ug/L							
2,4-dinitrotoluene	ug/L							
2,6-dichlorophenol	ug/L							
2,6-dinitrotoluene	ug/L							

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

Table 9

Analytical Data Summary for MW-19

Constituents	6/22/2015	11/12/2015	4/11/2016	4/12/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018	9/12/2018
O,o,o-triethyl phosphorothioate						<.4			
O-toluidine						<.8			
P-(dimethylamino)azobenzene						<.8			
Parathion						<.4			
Pentachlorobenzene						<.8			
Pentachloronitrobenzene (pcnb)						<.8			
Pentachlorophenol						<.8			
Phenacetin						<.8			
Phenanthrene						<.8			
Phenol						<.8			
Phorate						<.4			
Potassium, total	1.68 *	2.38 *							
Pronamide						<.8			
Propionitrile						<10			
Pyrene						<.8			
Safrole						<.8			
Selenium, total	<5	<5		<5	<4	<.4	<4	<4	<4
Silver, total	<1	<1		<1	<4	<.4	<4	<4	<4
Sodium, total	25.6 *	29.7 *							
Styrene	<1	<1		<1	<1	<1	<1	<1	<1
Sulfate	120 *	117 *							
Sulfide						<1.0			
Tetrachloroethene	<1	<1		<1	<1	<1	<1	<1	<1
Thallium, total	<2	<2		<2	<4	<.4	<4	<4	<4
Thionazin						<.4			
Tin, total	<5 *	<5 *	<5	<5	<20	<20			
Toluene	<1	<1		<1	<1	<1	<1	<1	<1
Total suspended solids	793 *	117 *	159	159	85	956			
Toxaphene						<.2			
Trans-1,2-dichloroethene	<1	<1		<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<5	<5		<5	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<10	<10		<10	<5	<5	<5	<5	<5
Trichloroethene	<1	<1		<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<4	<4		<4	<1	<1	<1	<1	<1
Vanadium, total	<5	<5		<5	<20	<20	<20	<20	<20
Vinyl acetate	<10	<10		<10	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1		<1	<1	<1	<1	<1	<1
Xylenes, total	<3	<3		<3	<2	<2	<2	<2	<2
Zinc, total	13.9	<10.0		20.4	<8.0	8.3	<8.0	<8.0	25.4
(3,4)-methylphenol						<.8			
1,1,1,2-tetrachloroethane	<1	<1		<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1		<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1		<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1		<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1		<1	<1	<1	<1	<1	<1
1,1-dichloroethene	<2	<2		<2	<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	<.50	<.50		<.50	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-dibromoethane	<.13	<.13		<.13	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-dichlorobenzene	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene						<.8			
1,3,5-trinitrobenzene						<.8			
1,3-dichlorobenzene						<1			
1,3-dichloropropane						<1			
1,3-dinitrobenzene						<.8			
1,4-dichlorobenzene	<1	<1		<1	<1	<1	<1	<1	<1
1,4-naphthoquinone						<.8			
1,4-phenylenediamine						<.8			
1-naphthylamine						<.8			
2,2-dichloropropane						<1			
2,3,4,6-tetrachlorophenol						<.8			
2,4,5-t						<.5			
2,4,5-tp (silvex)						<.5			
2,4,5-trichlorophenol						<.8			
2,4,6-trichlorophenol						<.8			
2,4-d						<.0			
2,4-dichlorophenol						<.8			
2,4-dimethylphenol						<.8			
2,4-dinitrophenol						<.8			
2,4-dinitrotoluene						<.8			
2,6-dichlorophenol						<.8			
2,6-dinitrotoluene						<.8			

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

Table 9

Analytical Data Summary for MW-19

Constituents	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022
O,o,o-triethyl phosphorothioate							<.4	
O-toluidine							<.8	
P-(dimethylamino)azobenzene							<.8	
Parathion							<.4	
Pentachlorobenzene							<.8	
Pentachloronitrobenzene (pcnb)							<.8	
Pentachlorophenol							<.8	
Phenacetin							<.8	
Phenanthrene							<.8	
Phenol							<.8	
Phorate							<.4	
Potassium, total								
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
Sodium, total								
Styrene	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate								
Sulfide							<.2	
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2	<2	<2	<2	<2	<2	<.2	<2
Thionazin							<.4	
Tin, total							<20	
Toluene	<1	<1	<1	<1	<1	<1	<1	<1
Total suspended solids								
Toxaphene							<.2	
Trans-1,2-dichloroethene	<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
Trichloroethene	<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	36.8	<20.0	<20.0	<20.0	<20.0	76.0	<20.0	<20.0
(3,4)-methylphenol							<.8	
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethene	<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	<1.00	<1.00	<5.00	<5.00	<5.00	<5.00	<1.00	<5.00
1,2-dibromoethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene							<.8	
1,3,5-trinitrobenzene							<.8	
1,3-dichlorobenzene							<.1	
1,3-dichloropropane							<.1	
1,3-dinitrobenzene							<.8	
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1
1,4-naphthoquinone							<.8	
1,4-phenylenediamine							<.8	
1-naphthylamine							<.8	
2,2-dichloropropane							<.1	
2,3,4,6-tetrachlorophenol							<.8	
2,4,5-t							<.7	
2,4,5-tp (silvex)							<.7	
2,4,5-trichlorophenol							<.8	
2,4,6-trichlorophenol							<.8	
2,4-d							<.9	
2,4-dichlorophenol							<.8	
2,4-dimethylphenol							<.8	
2,4-dinitrophenol							<.8	
2,4-dinitrotoluene							<.8	
2,6-dichlorophenol							<.8	
2,6-dinitrotoluene							<.8	

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

Table 9

Analytical Data Summary for MW-19

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	10/21/2014
2-acetylaminofluorene	ug/L							
2-butanone	ug/L							<10
2-chloronaphthalene	ug/L							
2-chlorophenol	ug/L							
2-hexanone	ug/L							<10
2-methylnaphthalene	ug/L							
2-methylphenol (o-cresol)	ug/L							
2-naphthylamine	ug/L							
2-nitroaniline	ug/L							
2-nitrophenol	ug/L							
3,3'-dichlorobenzidine	ug/L							
3,3-dimethylbenzidine	ug/L							
3-methylcholanthrene	ug/L							
3-nitroaniline	ug/L							
4,4'-ddd	ug/L							
4,4'-dde	ug/L							
4,4'-ddt	ug/L							
4,6-dinitro-2-methylphenol	ug/L							
4-aminobiphenyl	ug/L							
4-bromophenyl phenyl ether	ug/L							
4-chloro-3-methylphenol	ug/L							
4-chloroaniline	ug/L							
4-chlorophenyl phenyl ether	ug/L							
4-methyl-2-pentanone	ug/L							<10
4-nitroaniline	ug/L							
4-nitrophenol	ug/L							
5-nitro-o-toluidine	ug/L							
7,12-dimethylbenz [a] anthracene	ug/L							
Acenaphthene	ug/L							
Acenaphthylene	ug/L							
Acetone	ug/L							<10.0
Acetonitrile	ug/L							
Acetophenone	ug/L							
Acrolein	ug/L							
Acrylonitrile	ug/L							<10
Aldrin	ug/L							
Allyl chloride	ug/L							
Alpha-bhc	ug/L							
Anthracene	ug/L							
Antimony, total	ug/L	<6.0	<6.0	<6.0	10.4	<6.0		<6.0
Arochlor 1016	ug/L							
Arochlor 1221	ug/L							
Arochlor 1232	ug/L							
Arochlor 1242	ug/L							
Arochlor 1248	ug/L							
Arochlor 1254	ug/L							
Arochlor 1260	ug/L							
Arsenic, total	ug/L	<2	<2	<1	<1	<1		<2
Azobenzene	ug/L							
Barium, total	ug/L	312	332	373	400	293		541
Benzene	ug/L							<.5
Benzo(a)anthracene	ug/L							
Benzo(a)pyrene	ug/L							
Benzo(b)fluoranthene	ug/L							
Benzo(g,h,i)perylene	ug/L							
Benzo(k)fluoranthene	ug/L							
Benzyl alcohol	ug/L							
Beryllium, total	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00		1.06
Beta-bhc	ug/L							
Bicarbonate alkalinity	mg/L as CaCO3							
Bis (2-chloroethoxy) methane	ug/L							
Bis(2-chloroethyl) ether	ug/L							
Bis(2-ethylhexyl) phthalate	ug/L							
Bis[2-chloroisopropyl]ether	ug/L							
Bromochloromethane	ug/L							<5
Bromodichloromethane	ug/L							<1
Bromoform	ug/L							<5
Bromomethane	ug/L							<4
Butyl benzyl phthalate	ug/L							
Cadmium, total	ug/L	<.5	<.5	<.5	<.5	<.5		2.3
Calcium, total	mg/L							
Carbon disulfide	ug/L							<1
Carbon tetrachloride	ug/L							<2
Carbonate alkalinity	mg/L as CaCO3							
Chlordane	ug/L							
Chloride	mg/L							

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

Table 9

Analytical Data Summary for MW-19

Constituents	6/22/2015	11/12/2015	4/11/2016	4/12/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018	9/12/2018
2-acetylaminofluorene						<8			
2-butanone	<10	<10		<10	<5	<5	<5	<5	<5
2-chloronaphthalene						<8			
2-chlorophenol						<8			
2-hexanone	<10	<10		<10	<5	<5	<5	<5	<5
2-methylnaphthalene						<8			
2-methylphenol (o-cresol)						<8			
2-naphthylamine						<8			
2-nitroaniline						<8			
2-nitrophenol						<8			
3,3'-dichlorobenzidine						<8			
3,3-dimethylbenzidine						<8			
3-methylcholanthrene						<8			
3-nitroaniline						<8			
4,4'-ddd						<.05			
4,4'-dde						<.05			
4,4'-ddt						<.05			
4,6-dinitro-2-methylphenol						<8			
4-aminobiphenyl						<8			
4-bromophenyl phenyl ether						<8			
4-chloro-3-methylphenol						<8			
4-chloroaniline						<8			
4-chlorophenyl phenyl ether						<8			
4-methyl-2-pentanone	<10	<10		<10	<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	20.8	<10.0	<10.0
Acetonitrile						<10			
Acetophenone						<8			
Acrolein						<10			
Acrylonitrile	<10	<10		<10	<5	<5	<5	<5	<5
Aldrin						<.05			
Allyl chloride						<1			
Alpha-bhc						<.05			
Anthracene						<8			
Antimony, total	<1.0	<1.0		<1.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arochlor 1016						<.1			
Arochlor 1221						<.2			
Arochlor 1232						<.2			
Arochlor 1242						<.2			
Arochlor 1248						<.2			
Arochlor 1254						<.1			
Arochlor 1260						<.1			
Arsenic, total	<2	<2		<1	<4	<4	<4	<4	<4
Azobenzene						<8			
Barium, total	267	255		265	252	303	220	290	208
Benzene	<.5	<.5		<.5	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(a)anthracene						<8			
Benzo(a)pyrene						<8			
Benzo(b)fluoranthene						<8			
Benzo(g,h,i)perylene						<8			
Benzo(k)fluoranthene						<8			
Benzyl alcohol						<8			
Beryllium, total	<1.00	<1.00		<1.00	<4.00	<4.00	<4.00	<4.00	<4.00
Beta-bhc						<.05			
Bicarbonate alkalinity	681 *	686 *							
Bis (2-chloroethoxy) methane						<8			
Bis(2-chloroethyl) ether						<8			
Bis(2-ethylhexyl) phthalate						<8			
Bis[2-chloroisopropyl]ether						<8			
Bromochloromethane	<5	<5		<5	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1		<1	<1	<1	<1	<1	<1
Bromoform	<5	<5		<5	<1	<1	<1	<1	<1
Bromomethane	<4	<4		<4	<1	<1	<1	<1	<1
Butyl benzyl phthalate						<8			
Cadmium, total	<.5	<.5		<.5	<.8	<.8	<.8	<.8	<.8
Calcium, total	227 *	208 *							
Carbon disulfide	<1	<1		<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<2	<2		<2	<1	<1	<1	<1	<1
Carbonate alkalinity	<5 *	<5 *							
Chlordane						<.1			
Chloride	28.9 *	27.4 *							

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

Table 9

Analytical Data Summary for MW-19

Constituents	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022
2-acetylaminofluorene							<.8	
2-butanone	<5	<5	<5	<5	<5	<5	<5	<10
2-chloronaphthalene							<.8	
2-chlorophenol							<.8	
2-hexanone	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene							<.8	
2-methylphenol (o-cresol)							<.8	
2-naphthylamine							<.8	
2-nitroaniline							<.8	
2-nitrophenol							<.8	
3,3'-dichlorobenzidine							<.8	
3,3-dimethylbenzidine							<.8	
3-methylcholanthrene							<.8	
3-nitroaniline							<.8	
4,4'-ddd							<.05	
4,4'-dde							<.05	
4,4'-ddt							<.05	
4,6-dinitro-2-methylphenol							<.8	
4-aminobiphenyl							<.8	
4-bromophenyl phenyl ether							<.8	
4-chloro-3-methylphenol							<.8	
4-chloroaniline							<.8	
4-chlorophenyl phenyl ether							<.8	
4-methyl-2-pentanone	<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
Acetonitrile							<10	
Acetophenone							<.8	
Acrolein							<10	
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin							<.05	
Allyl chloride							<.1	
Alpha-bhc							<.05	
Anthracene							<.8	
Antimony, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arochlor 1016							<.1	
Arochlor 1221							<.2	
Arochlor 1232							<.2	
Arochlor 1242							<.2	
Arochlor 1248							<.2	
Arochlor 1254							<.1	
Arochlor 1260							<.1	
Arsenic, total	<4	<4	<4	<4	<4	<4	<4	<4
Azobenzene							<.8	
Barium, total	287	327	335	293	270	281	278	223
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(a)anthracene							<.8	
Benzo(a)pyrene							<.8	
Benzo(b)fluoranthene							<.8	
Benzo(g,h,i)perylene							<.8	
Benzo(k)fluoranthene							<.8	
Benzyl alcohol							<.8	
Beryllium, total	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Beta-bhc							<.05	
Bicarbonate alkalinity								
Bis (2-chloroethoxy) methane							<.8	
Bis(2-chloroethyl) ether							<.8	
Bis(2-ethylhexyl) phthalate							<.6	
Bis[2-chloroisopropyl]ether							<.8	
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate							<.8	
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Calcium, total								
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1
Carbonate alkalinity								
Chlordane							<.1	
Chloride								

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

Table 9

Analytical Data Summary for MW-20

Constituents	Units	3/20/2012	8/28/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014
(3,4)-methylphenol	ug/L							
1,1,1,2-tetrachloroethane	ug/L							
1,1,1-trichloroethane	ug/L							
1,1,2,2-tetrachloroethane	ug/L							
1,1,2-trichloroethane	ug/L							
1,1-dichloroethane	ug/L							
1,1-dichloroethene	ug/L							
1,1-dichloropropene	ug/L							
1,2,3-trichloropropane	ug/L							
1,2,4,5-tetrachlorobenzene	ug/L							
1,2,4-trichlorobenzene	ug/L							
1,2-dibromo-3-chloropropane	ug/L							
1,2-dibromoethane	ug/L							
1,2-dichlorobenzene	ug/L							
1,2-dichloroethane	ug/L							
1,2-dichloropropane	ug/L							
1,2-dinitrobenzene	ug/L							
1,3,5-trinitrobenzene	ug/L							
1,3-dichlorobenzene	ug/L							
1,3-dichloropropane	ug/L							
1,3-dinitrobenzene	ug/L							
1,4-dichlorobenzene	ug/L							
1,4-naphthoquinone	ug/L							
1,4-phenylenediamine	ug/L							
1-naphthylamine	ug/L							
2,2-dichloropropane	ug/L							
2,3,4,6-tetrachlorophenol	ug/L							
2,4,5-t	ug/L							
2,4,5-tp (silvex)	ug/L							
2,4,5-trichlorophenol	ug/L							
2,4,6-trichlorophenol	ug/L							
2,4-d	ug/L							
2,4-dichlorophenol	ug/L							
2,4-dimethylphenol	ug/L							
2,4-dinitrophenol	ug/L							
2,4-dinitrotoluene	ug/L							
2,6-dichlorophenol	ug/L							
2,6-dinitrotoluene	ug/L							
2-acetylaminofluorene	ug/L							
2-butanone	ug/L							
2-chloronaphthalene	ug/L							
2-chlorophenol	ug/L							
2-hexanone	ug/L							
2-methylnaphthalene	ug/L							
2-methylphenol (o-cresol)	ug/L							
2-naphthylamine	ug/L							
2-nitroaniline	ug/L							
2-nitrophenol	ug/L							
3,3'-dichlorobenzidine	ug/L							
3,3-dimethylbenzidine	ug/L							
3-methylcholanthrene	ug/L							
3-nitroaniline	ug/L							
4,4'-ddd	ug/L							
4,4'-dde	ug/L							
4,4'-ddt	ug/L							
4,6-dinitro-2-methylphenol	ug/L							
4-aminobiphenyl	ug/L							
4-bromophenyl phenyl ether	ug/L							
4-chloro-3-methylphenol	ug/L							
4-chloroaniline	ug/L							
4-chlorophenyl phenyl ether	ug/L							
4-methyl-2-pentanone	ug/L							
4-nitroaniline	ug/L							
4-nitrophenol	ug/L							
5-nitro-o-toluidine	ug/L							
7,12-dimethylbenz [a] anthracene	ug/L							
Acenaphthene	ug/L							
Acenaphthylene	ug/L							
Acetone	ug/L							
Acetonitrile	ug/L							
Acetophenone	ug/L							
Acrolein	ug/L							
Acrylonitrile	ug/L							
Aldrin	ug/L							
Allyl chloride	ug/L							
Alpha-bhc	ug/L							
Ammonia as n	mg/L							

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

Table 9

Analytical Data Summary for MW-20

Constituents	10/21/2014	6/22/2015	6/23/2015	11/12/2015	4/11/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018
(3,4)-methylphenol							<8		
1,1,1,2-tetrachloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethene	<2		<2	<2	<2	<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	<.12		<.50	<.50	<.50	<1.00	<1.00	<1.00	<1.00
1,2-dibromoethane	<.13		<.13	<.13	<.13	<1.00	<1.00	<1.00	<1.00
1,2-dichlorobenzene	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene							<8		
1,3,5-trinitrobenzene							<8		
1,3-dichlorobenzene							<1		
1,3-dichloropropane							<1		
1,3-dinitrobenzene							<8		
1,4-dichlorobenzene	<1.0		<1.0	<1.0	<1.0	3.4	1.2	1.4	1.7
1,4-naphthoquinone							<8		
1,4-phenylenediamine							<8		
1-naphthylamine							<8		
2,2-dichloropropane							<1		
2,3,4,6-tetrachlorophenol							<8		
2,4,5-t							<.5		
2,4,5-tp (silvex)							<.5		
2,4,5-trichlorophenol							<8		
2,4,6-trichlorophenol							<8		
2,4-d							<2		
2,4-dichlorophenol							<8		
2,4-dimethylphenol							<8		
2,4-dinitrophenol							<8		
2,4-dinitrotoluene							<8		
2,6-dichlorophenol							<8		
2,6-dinitrotoluene							<8		
2-acetylaminofluorene							<8		
2-butanone	<10		<10	<10	<10	<5	<5	<5	<5
2-chloronaphthalene							<8		
2-chlorophenol							<8		
2-hexanone	<10		<10	<10	<10	<5	<5	<5	<5
2-methylnaphthalene							<8		
2-methylphenol (o-cresol)							<8		
2-naphthylamine							<8		
2-nitroaniline							<8		
2-nitrophenol							<8		
3,3'-dichlorobenzidine							<8		
3,3-dimethylbenzidine							<8		
3-methylcholanthrene							<8		
3-nitroaniline							<8		
4,4'-ddd							<.05		
4,4'-dde							<.05		
4,4'-ddt							<.05		
4,6-dinitro-2-methylphenol							<8		
4-aminobiphenyl							<8		
4-bromophenyl phenyl ether							<8		
4-chloro-3-methylphenol							<8		
4-chloroaniline							<8		
4-chlorophenyl phenyl ether							<8		
4-methyl-2-pentanone	<10		<10	<10	<10	<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		14.8	<10.0	467.0	33.3	<10.0	<10.0	<10.0
Acetonitrile							<10		
Acetophenone							<8		
Acrolein							<10		
Acrylonitrile	<10		<10	<10	<10	<5	<5	<5	<5
Aldrin							<.05		
Allyl chloride							<1		
Alpha-bhc							<.05		
Ammonia as n			.535 *	1.180 *	.687 *				

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

Table 9

Analytical Data Summary for MW-20

Constituents	9/12/2018	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022
(3,4)-methylphenol								<8	
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethene	<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	<1.00	<1.00	<1.00	<5.00	<5.00	<5.00	<5.00	<1.00	<5.00
1,2-dibromoethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
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	3.0	2.9	<1.0	2.5	1.6	2.6	2.9	2.4	2.8
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	<5	<5	<5	<5	<5	<5	<5	<5	<10
2-chloronaphthalene								<8	
2-chlorophenol								<8	
2-hexanone	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene								<8	
2-methylphenol (o-cresol)								<8	
2-naphthylamine								<8	
2-nitroaniline								<8	
2-nitrophenol								<8	
3,3'-dichlorobenzidine								<8	
3,3-dimethylbenzidine								<8	
3-methylcholanthrene								<8	
3-nitroaniline								<8	
4,4'-ddd								<.05	
4,4'-dde								<.05	
4,4'-ddt								<.05	
4,6-dinitro-2-methylphenol								<8	
4-aminobiphenyl								<8	
4-bromophenyl phenyl ether								<8	
4-chloro-3-methylphenol								<8	
4-chloroaniline								<8	
4-chlorophenyl phenyl ether								<8	
4-methyl-2-pentanone	<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	
Ammonia as n									

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

Table 9

Analytical Data Summary for MW-20

Constituents	3/7/2023	9/28/2023	3/11/2024	10/2/2024	3/6/2025	9/16/2025
(3,4)-methylphenol						
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethene	<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	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
1,2-dibromoethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
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	2.8	3.4	2.6	3.2	2.5	3.8
1,4-naphthoquinone						
1,4-phenylenediamine						
1-naphthylamine						
2,2-dichloropropane						
2,3,4,6-tetrachlorophenol						
2,4,5-t						
2,4,5-tp (silvex)						
2,4,5-trichlorophenol						
2,4,6-trichlorophenol						
2,4-d						
2,4-dichlorophenol						
2,4-dimethylphenol						
2,4-dinitrophenol						
2,4-dinitrotoluene						
2,6-dichlorophenol						
2,6-dinitrotoluene						
2-acetylaminofluorene						
2-butanone	<10	<10	<10	<10	<10	<10
2-chloronaphthalene						
2-chlorophenol						
2-hexanone	<5	<5	<5	<5	<5	<5
2-methylnaphthalene						
2-methylphenol (o-cresol)						
2-naphthylamine						
2-nitroaniline						
2-nitrophenol						
3,3'-dichlorobenzidine						
3,3-dimethylbenzidine						
3-methylcholanthrene						
3-nitroaniline						
4,4'-ddd						
4,4'-dde						
4,4'-ddt						
4,6-dinitro-2-methylphenol						
4-aminobiphenyl						
4-bromophenyl phenyl ether						
4-chloro-3-methylphenol						
4-chloroaniline						
4-chlorophenyl phenyl ether						
4-methyl-2-pentanone	<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	93.9	<10.0
Acetonitrile						
Acetophenone						
Acrolein						
Acrylonitrile	<5	<5	<5	<5	<5	<5
Aldrin						
Allyl chloride						
Alpha-bhc						
Ammonia as n						

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

Table 9

Analytical Data Summary for MW-20

Constituents	Units	3/20/2012	8/28/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014
Anthracene	ug/L							
Antimony, total	ug/L	<6	<6	<6	<6	<6	<6	
Arochlor 1016	ug/L							
Arochlor 1221	ug/L							
Arochlor 1232	ug/L							
Arochlor 1242	ug/L							
Arochlor 1248	ug/L							
Arochlor 1254	ug/L							
Arochlor 1260	ug/L							
Arsenic, total	ug/L	18.10	17.10	11.10	26.70	13.60	7.04	
Azobenzene	ug/L							
Barium, total	ug/L	407	432	415	298	489	421	
Benzene	ug/L							
Benzo(a)anthracene	ug/L							
Benzo(a)pyrene	ug/L							
Benzo(b)fluoranthene	ug/L							
Benzo(g,h,i)perylene	ug/L							
Benzo(k)fluoranthene	ug/L							
Benzyl alcohol	ug/L							
Beryllium, total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Beta-bhc	ug/L							
Bicarbonate alkalinity	mg/L as CaCO3							
Bis (2-chloroethoxy) methane	ug/L							
Bis(2-chloroethyl) ether	ug/L							
Bis(2-ethylhexyl) phthalate	ug/L							
Bis[2-chloroisopropyl]ether	ug/L							
Bromochloromethane	ug/L							
Bromodichloromethane	ug/L							
Bromoform	ug/L							
Bromomethane	ug/L							
Butyl benzyl phthalate	ug/L							
Cadmium, total	ug/L	<.5	<.5	<.5	<.5	<.5	<.5	
Calcium, total	mg/L							
Carbon disulfide	ug/L							
Carbon tetrachloride	ug/L							
Carbonate alkalinity	mg/L as CaCO3							
Chlordane	ug/L							
Chloride	mg/L							
Chlorobenzene	ug/L							
Chlorobenzilate	ug/L							
Chloroethane	ug/L							
Chloroform	ug/L							
Chloromethane	ug/L							
Chloroprene	ug/L							
Chromium, total	ug/L	<20	<20	<20	<20	<20	<20	
Chrysene	ug/L							
Cis-1,2-dichloroethene	ug/L							
Cis-1,3-dichloropropene	ug/L							
Cobalt, total	ug/L	<20.00	<20.00	<20.00	<20.00	<1.32	<7.00	
Copper, total	ug/L	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	
Cyanide	mg/L	<.010	<.010 *		<.010			
Delta-bhc	ug/L							
Diallate	ug/L							
Dibenzo(a,h)anthracene	ug/L							
Dibenzofuran	ug/L							
Dibromochloromethane	ug/L							
Dibromomethane	ug/L							
Dichlorodifluoromethane	ug/L							
Dieldrin	ug/L							
Diethyl phthalate	ug/L							
Dimethoate	ug/L							
Dimethylphthalate	ug/L							
Di-n-butyl phthalate	ug/L							
Di-n-octyl phthalate	ug/L							
Dinoseb	ug/L							
Diphenylamine	ug/L							
Disulfoton	ug/L							
Endosulfan i	ug/L							
Endosulfan ii	ug/L							
Endosulfan sulfate	ug/L							
Endrin	ug/L							
Endrin aldehyde	ug/L							
Ethyl methacrylate	ug/L							
Ethyl methanesulfonate	ug/L							
Ethylbenzene	ug/L							
Famphur	ug/L							
Fluoranthene	ug/L							

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

Table 9

Analytical Data Summary for MW-20

Constituents	10/21/2014	6/22/2015	6/23/2015	11/12/2015	4/11/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018
Anthracene							<8		
Antimony, total	<6		<6	<6	<1	<2	<2	<2	<2
Arochlor 1016							<.1		
Arochlor 1221							<.2		
Arochlor 1232							<.2		
Arochlor 1242							<.2		
Arochlor 1248							<.2		
Arochlor 1254							<.1		
Arochlor 1260							<.1		
Arsenic, total	55.10		78.20	80.90	151.00	63.80	89.50	26.80	23.70
Azobenzene							<8		
Barium, total	415		335	419	368	319	384	355	301
Benzene	2.51		3.59	3.67	2.67	3.70	2.50	2.60	1.70
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	<1.0		<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc							<.05		
Bicarbonate alkalinity			572 *	519 *					
Bis (2-chloroethoxy) methane							<8		
Bis(2-chloroethyl) ether							<8		
Bis(2-ethylhexyl) phthalate							<8		
Bis[2-chloroisopropyl]ether							<8		
Bromochloromethane	<5		<5	<5	<5	<1	<1	<1	<1
Bromodichloromethane	<1		<1	<1	<1	<1	<1	<1	<1
Bromoform	<5		<5	<5	<5	<1	<1	<1	<1
Bromomethane	<4		<4	<4	<4	<1	<1	<1	<1
Butyl benzyl phthalate							<8		
Cadmium, total	<.5		<.5	<.5	<.5	<.8	<.8	<.8	<.8
Calcium, total			101 *	102 *					
Carbon disulfide	<1.0		<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	<2		<2	<2	<2	<1	<1	<1	<1
Carbonate alkalinity			<5 *	<5 *					
Chlordane							<.1		
Chloride			3.87 *	8.87 *					
Chlorobenzene	2.42		3.25	<1.00	<1.00	3.10	1.40	1.60	<1.00
Chlorobenzilate							<8		
Chloroethane	<4.0		<4.0	<4.0	<1.0	1.4	1.1	<1.0	<1.0
Chloroform	<1		<1	<1	<1	<1	<1	<1	<1
Chloromethane	<3		<3	<3	<3	<1	<1	<1	<1
Chloroprene							<1		
Chromium, total	<20		<5	<5	<5	<8	<8	<8	<8
Chrysene							<8		
Cis-1,2-dichloroethene	<1		<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<5		<5	<5	<5	<1	<1	<1	<1
Cobalt, total	4.48		1.06	2.19	1.72	6.10	2.00	<.80	<2.00
Copper, total	27.00		<2.00	2.73	<2.00	6.20	<4.00	<4.00	<4.00
Cyanide							<.005		
Delta-bhc							<.05		
Diallate							<8		
Dibenzo(a,h)anthracene							<8		
Dibenzofuran							<8		
Dibromochloromethane	<5		<5	<5	<5	<1	<1	<1	<1
Dibromomethane						<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
Famphur							<.4		
Fluoranthene							<8		

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

Table 9

Analytical Data Summary for MW-20

Constituents	9/12/2018	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022
Anthracene								<8	
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016								<.1	
Arochlor 1221								<.2	
Arochlor 1232								<.2	
Arochlor 1242								<.2	
Arochlor 1248								<.2	
Arochlor 1254								<.1	
Arochlor 1260								<.1	
Arsenic, total	44.90	19.50	72.00	42.30	50.60	38.90	40.20	44.10	23.30
Azobenzene								<8	
Barium, total	435	289	321	284	280	286	308	285	338
Benzene	2.70	2.40	2.80	2.50	2.70	1.90	2.80	2.30	3.60
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	
Bicarbonate alkalinity									
Bis (2-chloroethoxy) methane								<8	
Bis(2-chloroethyl) ether								<8	
Bis(2-ethylhexyl) phthalate								<6	
Bis[2-chloroisopropyl]ether								<8	
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate								<8	
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Calcium, total									
Carbon disulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbonate alkalinity									
Chlordane								<.1	
Chloride									
Chlorobenzene	3.10	2.60	3.60	2.20	1.70	2.20	2.70	2.60	3.10
Chlorobenzilate								<8	
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene								<1	
Chromium, total	<8	<8	<8	<8	<8	<8	<8	<8	<8
Chrysene								<8	
Cis-1,2-dichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.80	.90	<.80	.50	.70	7.90	2.70	.60	.40
Copper, total	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Cyanide								<.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	

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

Table 9

Analytical Data Summary for MW-20

Constituents	3/7/2023	9/28/2023	3/11/2024	10/2/2024	3/6/2025	9/16/2025
Anthracene						
Antimony, total	<2	<2	<2	<2	<2	<1
Arochlor 1016						
Arochlor 1221						
Arochlor 1232						
Arochlor 1242						
Arochlor 1248						
Arochlor 1254						
Arochlor 1260						
Arsenic, total	106.00	37.50	27.90	26.70	41.90	28.40
Azobenzene						
Barium, total	279	313	326	332	289	345
Benzene	2.20	2.60	2.30	2.80	1.90	3.80
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						
Bicarbonate alkalinity						
Bis (2-chloroethoxy) methane						
Bis(2-chloroethyl) ether						
Bis(2-ethylhexyl) phthalate						
Bis[2-chloroisopropyl]ether						
Bromochloromethane	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate						
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.2
Calcium, total						
Carbon disulfide	<1.0	<1.0	<1.0	<1.0	<1.0	1.7
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Carbonate alkalinity						
Chlordane						
Chloride						
Chlorobenzene	2.50	3.40	2.80	3.60	2.70	5.80
Chlorobenzilate						
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1
Chloroprene						
Chromium, total	<8	<8	<8	<8	<8	1
Chrysene						
Cis-1,2-dichloroethene	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Cobalt, total	<.40	2.80	<.40	.90	.90	<.50
Copper, total	<4.00	<4.00	<4.00	<4.00	<4.00	<5.00
Cyanide						
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						

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

Table 9

Analytical Data Summary for MW-20

Constituents	Units	3/20/2012	8/28/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014
Fluorene	ug/L							
Gamma-bhc [lindane]	ug/L							
Heptachlor	ug/L							
Heptachlor epoxide	ug/L							
Hexachlorobenzene	ug/L							
Hexachlorobutadiene	ug/L							
Hexachlorocyclopentadiene	ug/L							
Hexachloroethane	ug/L							
Hexachloropropene	ug/L							
Indeno(1,2,3-cd)pyrene	ug/L							
Iodomethane	ug/L							
Iron, total	ug/L							
Isobutanol	mg/L							
Isodrin	ug/L							
Isophorone	ug/L							
Isosafrole	ug/L							
Kepone	ug/L							
Lead, total	ug/L	<4.000	<4.000	<4.000	<4.000	<4.000	<4.000	
Magnesium, total	mg/L							
Manganese, total	ug/L							
Mercury, total	ug/L	<.2	<.2		<.2			
Methacrylonitrile	ug/L							
Methapyrilene	ug/L							
Methoxychlor	ug/L							
Methyl methacrylate	ug/L							
Methyl methanesulfonate	ug/L							
Methyl parathion	ug/L							
Methylene bromide	ug/L							
Methylene chloride	ug/L							
Naphthalene	ug/L							
Nickel, total	ug/L	<50.00	<50.00	<50.00	71.20	<50.00	<50.00	
Nitrate as n	mg/L							
Nitrobenzene	ug/L							
N-nitrosodiethylamine	ug/L							
N-nitrosodimethylamine	ug/L							
N-nitrosodi-n-butylamine	ug/L							
N-nitroso-di-n-propylamine	ug/L							
N-nitrosodiphenylamine	ug/L							
N-nitrosomethylethylamine	ug/L							
N-nitrosopiperidine	ug/L							
N-nitrosopyrrolidine	ug/L							
O,o,o-triethyl phosphorothioate	ug/L							
O-toluidine	ug/L							
P-(dimethylamino)azobenzene	ug/L							
Parathion	ug/L							
Pentachlorobenzene	ug/L							
Pentachloronitrobenzene (pcnb)	ug/L							
Pentachlorophenol	ug/L							
Phenacetin	ug/L							
Phenanthrene	ug/L							
Phenol	ug/L							
Phorate	ug/L							
Potassium, total	mg/L							
Pronamide	ug/L							
Propionitrile	ug/L							
Pyrene	ug/L							
Safrole	ug/L							
Selenium, total	ug/L	<5	<5	<5	<5	<5	<5	
Silver, total	ug/L	<20	<20	<20	<20	<20	<20	
Sodium, total	mg/L							
Styrene	ug/L							
Sulfate	mg/L							
Sulfide	mg/L	<1.00	<1.00 *		<1.00			
Tetrachloroethene	ug/L							
Thallium, total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Thionazin	ug/L							
Tin, total	ug/L	<100	<100		<100			
Toluene	ug/L							
Total organic carbon	mg/L							
Total suspended solids	mg/L							92.0
Toxaphene	ug/L							
Trans-1,2-dichloroethene	ug/L							
Trans-1,3-dichloropropene	ug/L							
Trans-1,4-dichloro-2-butene	ug/L							
Trichloroethene	ug/L							
Trichlorofluoromethane	ug/L							
Vanadium, total	ug/L	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	

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

Table 9

Analytical Data Summary for MW-20

Constituents	10/21/2014	6/22/2015	6/23/2015	11/12/2015	4/11/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018
Fluorene							<8		
Gamma-bhc [lindane]							<.05		
Heptachlor							<.05		
Heptachlor epoxide							<.05		
Hexachlorobenzene							<.05		
Hexachlorobutadiene							<8		
Hexachlorocyclopentadiene							<8		
Hexachloroethane							<8		
Hexachloropropene							<8		
Indeno(1,2,3-cd)pyrene							<8		
Iodomethane	<10		<10	<10	<10	<1	<1	<1	<1
Iron, total			64700 *	60600 *	55100 *				
Isobutanol							<1		
Isodrin							<8		
Isophorone							<8		
Isosafrole							<8		
Kepone							<8		
Lead, total	<4.000		.804	1.730	1.730	<4.000	<4.000	<4.000	<4.000
Magnesium, total			44.1 *	50.5 *					
Manganese, total			10200 *	11700 *	8180 *				
Mercury, total							<.5		
Methacrylonitrile							<1		
Methapyrilene							<8		
Methoxychlor							<.05		
Methyl methacrylate							<1		
Methyl methanesulfonate							<8		
Methyl parathion							<.4		
Methylene bromide	<1		<1	<1	<1				
Methylene chloride	<5		<5	<5	<5	<5	<5	<5	<5
Naphthalene							<8		
Nickel, total	<30.00		<5.00	7.80	5.35	8.00	<4.00	<4.00	<4.00
Nitrate as n			<.10 *	<.10 *	1.35 *				
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		
P-(dimethylamino)azobenzene							<8		
Parathion							<.4		
Pentachlorobenzene							<8		
Pentachloronitrobenzene (pcnb)							<8		
Pentachlorophenol							<8		
Phenacetin							<8		
Phenanthrene							<8		
Phenol							<8		
Phorate							<.4		
Potassium, total			<1 *	<1 *					
Pronamide							<8		
Propionitrile							<10		
Pyrene							<8		
Safrole							<8		
Selenium, total	<5		<5	<5	<5	<4	<4	<4	<4
Silver, total	<20		<1	<1	<1	<4	<4	<4	<4
Sodium, total			13.6 *	13.4 *					
Styrene	<1		<1	<1	<1	<1	<1	<1	<1
Sulfate			1.60 *	<5.00 *	5.42 *				
Sulfide							<.10		
Tetrachloroethene	<1		<1	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0		<1.0	<1.0	<2.0	<4.0	<4.0	<4.0	<4.0
Thionazin							<.4		
Tin, total							<20		
Toluene	3.15		3.09	<1.00	<1.00	1.40	<1.00	<1.00	<1.00
Total organic carbon			18.7 *	16.1 *	12.1 *				
Total suspended solids	92.0	55.5 *	55.2 *	115.0 *	318.0 *	87.0	152.0		
Toxaphene							<.2		
Trans-1,2-dichloroethene	<1		<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<5		<5	<5	<5	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<10		<10	<10	<10	<5	<5	<5	<5
Trichloroethene	<1		<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<4		<4	<4	<4	<1	<1	<1	<1
Vanadium, total	<5.0		<5.0	5.8	<5.0	<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-20

Constituents	9/12/2018	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022
Fluorene								<8	
Gamma-bhc [lindane]								<.05	
Heptachlor								<.05	
Heptachlor epoxide								<.05	
Hexachlorobenzene								<.05	
Hexachlorobutadiene								<8	
Hexachlorocyclopentadiene								<8	
Hexachloroethane								<8	
Hexachloropropene								<8	
Indeno(1,2,3-cd)pyrene								<8	
Iodomethane	<1	<1	<1	<1	<1	<1	<1	<2	<1
Iron, total									
Isobutanol								<1	
Isodrin								<8	
Isophorone								<8	
Isosafrole								<8	
Kepone								<8	
Lead, total	<4.000	<4.000	<4.000	<4.000	<4.000	<4.000	<4.000	<4.000	<4.000
Magnesium, total									
Manganese, total								<.5	
Mercury, total								<1	
Methacrylonitrile								<8	
Methapyrilene								<.05	
Methoxychlor								<1	
Methyl methacrylate								<8	
Methyl methanesulfonate								<.4	
Methyl parathion								<5	
Methylene bromide								<8	
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene								<8	
Nickel, total	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	6.10	<4.00	<4.00
Nitrate as n									
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	
P-(dimethylamino)azobenzene								<8	
Parathion								<.4	
Pentachlorobenzene								<8	
Pentachloronitrobenzene (pcnb)								<8	
Pentachlorophenol								<8	
Phenacetin								<8	
Phenanthrene								<8	
Phenol								<8	
Phorate								<.4	
Potassium, total									
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
Sodium, total									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate									
Sulfide								.33	.23
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin								<.4	
Tin, total								<20	
Toluene	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	2.10
Total organic carbon									
Total suspended solids									
Toxaphene								<.2	
Trans-1,2-dichloroethene	<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
Trichloroethene	<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

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

Table 9

Analytical Data Summary for MW-20

Constituents	3/7/2023	9/28/2023	3/11/2024	10/2/2024	3/6/2025	9/16/2025
Fluorene						
Gamma-bhc [lindane]						
Heptachlor						
Heptachlor epoxide						
Hexachlorobenzene						
Hexachlorobutadiene						
Hexachlorocyclopentadiene						
Hexachloroethane						
Hexachloropropene						
Indeno(1,2,3-cd)pyrene						
Iodomethane	<1	<1	<1	<1	<1	<1
Iron, total						
Isobutanol						
Isodrin						
Isophorone						
Isosafrole						
Kepone						
Lead, total	<4.000	<4.000	<4.000	<4.000	<4.000	<1.000
Magnesium, total						
Manganese, total						
Mercury, total						
Methacrylonitrile						
Methapyrilene						
Methoxychlor						
Methyl methacrylate						
Methyl methanesulfonate						
Methyl parathion						
Methylene bromide						
Methylene chloride	<5	<5	<5	<5	<5	<5
Naphthalene						
Nickel, total	<4.00	7.40	<4.00	<4.00	<4.00	<5.00
Nitrate as n						
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						
P-(dimethylamino)azobenzene						
Parathion						
Pentachlorobenzene						
Pentachloronitrobenzene (pcnb)						
Pentachlorophenol						
Phenacetin						
Phenanthrene						
Phenol						
Phorate						
Potassium, total						
Pronamide						
Propionitrile						
Pyrene						
Safrole						
Selenium, total	<4	<4	<4	<4	<4	<2
Silver, total	<4	<4	<4	<4	<4	<5
Sodium, total						
Styrene	<1	<1	<1	<1	<1	<1
Sulfate						
Sulfide	.16	.44	<.15	<.10	<.10	<.10
Tetrachloroethene	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<.5
Thionazin						
Tin, total						
Toluene	<1.00	<1.00	1.10	<1.00	<1.00	<1.00
Total organic carbon						
Total suspended solids						
Toxaphene						
Trans-1,2-dichloroethene	<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
Trichloroethene	<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	2.5

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

Table 9

Analytical Data Summary for MW-20

Constituents	Units	3/20/2012	8/28/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014
Vinyl acetate	ug/L							
Vinyl chloride	ug/L							
Xylenes, total	ug/L							
Zinc, total	ug/L	<20.0	44.0	<20.0	37.8	69.3	<20.0	

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

Table 9

Analytical Data Summary for MW-20

Constituents	10/21/2014	6/22/2015	6/23/2015	11/12/2015	4/11/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018
Vinyl acetate	<10		<10	<10	<10	<5	<5	<5	<5
Vinyl chloride	<1		<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<3		<3	<3	<3	<2	<2	<2	<2
Zinc, total	22.8		<10.0	13.5	<10.0	<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-20

Constituents	9/12/2018	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022
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	55.1	36.2	27.7	<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-20

Constituents	3/7/2023	9/28/2023	3/11/2024	10/2/2024	3/6/2025	9/16/2025
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	5.3

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

Table 9

Analytical Data Summary for MW-23

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	10/21/2014
(3,4)-methylphenol	ug/L							<1
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-dichloroethene	ug/L							<2
1,1-dichloropropene	ug/L							
1,2,3-trichloropropane	ug/L							<1
1,2,4,5-tetrachlorobenzene	ug/L							
1,2,4-trichlorobenzene	ug/L							
1,2-dibromo-3-chloropropane	ug/L							<.12
1,2-dibromoethane	ug/L							<.13
1,2-dichlorobenzene	ug/L							<1
1,2-dichloroethane	ug/L							<1
1,2-dichloropropane	ug/L							<1
1,2-dinitrobenzene	ug/L							
1,3,5-trinitrobenzene	ug/L							
1,3-dichlorobenzene	ug/L							
1,3-dichloropropane	ug/L							
1,3-dinitrobenzene	ug/L							
1,4-dichlorobenzene	ug/L							<1
1,4-naphthoquinone	ug/L							
1,4-phenylenediamine	ug/L							
1-naphthylamine	ug/L							
2,2-dichloropropane	ug/L							
2,3,4,6-tetrachlorophenol	ug/L							
2,4,5-t	ug/L							
2,4,5-tp (silvex)	ug/L							
2,4,5-trichlorophenol	ug/L							
2,4,6-trichlorophenol	ug/L							
2,4-d	ug/L							
2,4-dichlorophenol	ug/L							
2,4-dimethylphenol	ug/L							
2,4-dinitrophenol	ug/L							
2,4-dinitrotoluene	ug/L							
2,6-dichlorophenol	ug/L							
2,6-dinitrotoluene	ug/L							
2-acetylaminofluorene	ug/L							
2-butanone	ug/L							<10
2-chloronaphthalene	ug/L							
2-chlorophenol	ug/L							
2-hexanone	ug/L							<10
2-methylnaphthalene	ug/L							
2-methylphenol (o-cresol)	ug/L							
2-naphthylamine	ug/L							
2-nitroaniline	ug/L							
2-nitrophenol	ug/L							
3,3'-dichlorobenzidine	ug/L							
3,3-dimethylbenzidine	ug/L							
3-methylcholanthrene	ug/L							
3-nitroaniline	ug/L							
4,4'-ddd	ug/L							
4,4'-dde	ug/L							
4,4'-ddt	ug/L							
4,6-dinitro-2-methylphenol	ug/L							
4-aminobiphenyl	ug/L							
4-bromophenyl phenyl ether	ug/L							
4-chloro-3-methylphenol	ug/L							
4-chloroaniline	ug/L							
4-chlorophenyl phenyl ether	ug/L							
4-methyl-2-pentanone	ug/L							<10
4-nitroaniline	ug/L							
4-nitrophenol	ug/L							
5-nitro-o-toluidine	ug/L							
7,12-dimethylbenz [a] anthracene	ug/L							
Acenaphthene	ug/L							
Acenaphthylene	ug/L							
Acetone	ug/L							<10
Acetonitrile	ug/L							
Acetophenone	ug/L							
Acrolein	ug/L							
Acrylonitrile	ug/L							<10
Aldrin	ug/L							
Allyl chloride	ug/L							
Alpha-bhc	ug/L							
Ammonia as n	mg/L							

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

Table 9

Analytical Data Summary for MW-23

Constituents	6/22/2015	11/12/2015	4/11/2016	4/12/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018	9/12/2018
(3,4)-methylphenol						<8			
1,1,1,2-tetrachloroethane	<1	<1		<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1		<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1		<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1		<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1		<1	<1	<1	<1	<1	<1
1,1-dichloroethene	<2	<2		<2	<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	<.50	<.50		<.50	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-dibromoethane	<.13	<.13		<.13	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-dichlorobenzene	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1		<1	<1	<1	<1	<1	<1
1,2-dinitrobenzene						<8			
1,3,5-trinitrobenzene						<8			
1,3-dichlorobenzene						<1			
1,3-dichloropropane						<1			
1,3-dinitrobenzene						<8			
1,4-dichlorobenzene	<1	<1		<1	<1	<1	<1	<1	<1
1,4-naphthoquinone						<8			
1,4-phenylenediamine						<8			
1-naphthylamine						<8			
2,2-dichloropropane						<1			
2,3,4,6-tetrachlorophenol						<8			
2,4,5-t						<.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	<10	<10		<10	<5	<5	<5	<5	<5
2-chloronaphthalene						<8			
2-chlorophenol						<8			
2-hexanone	<10	<10		<10	<5	<5	<5	<5	<5
2-methylnaphthalene						<8			
2-methylphenol (o-cresol)						<8			
2-naphthylamine						<8			
2-nitroaniline						<8			
2-nitrophenol						<8			
3,3'-dichlorobenzidine						<8			
3,3-dimethylbenzidine						<8			
3-methylcholanthrene						<8			
3-nitroaniline						<8			
4,4'-ddd						<.05			
4,4'-dde						<.05			
4,4'-ddt						<.05			
4,6-dinitro-2-methylphenol						<8			
4-aminobiphenyl						<8			
4-bromophenyl phenyl ether						<8			
4-chloro-3-methylphenol						<8			
4-chloroaniline						<8			
4-chlorophenyl phenyl ether						<8			
4-methyl-2-pentanone	<10	<10		<10	<5	<5	<5	<5	<5
4-nitroaniline						<8			
4-nitrophenol						<8			
5-nitro-o-toluidine						<8			
7,12-dimethylbenz [a] anthracene						<8			
Acenaphthene						<8			
Acenaphthylene						<8			
Acetone	<10	<10		<10	<10	<10	<10	<10	<10
Acetonitrile						<10			
Acetophenone						<8			
Acrolein						<10			
Acrylonitrile	<10	<10		<10	<5	<5	<5	<5	<5
Aldrin						<.05			
Allyl chloride						<.1			
Alpha-bhc						<.05			
Ammonia as n		2.53 *	2.27	2.27					

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

Table 9

Analytical Data Summary for MW-23

Constituents	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021
(3,4)-methylphenol						
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethene	<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	<1.00	<1.00	<5.00	<5.00	<5.00	<5.00
1,2-dibromoethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
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	<5	<5	<5	<5	<5	<5
2-chloronaphthalene						
2-chlorophenol						
2-hexanone	<5	<5	<5	<5	<5	<5
2-methylnaphthalene						
2-methylphenol (o-cresol)						
2-naphthylamine						
2-nitroaniline						
2-nitrophenol						
3,3'-dichlorobenzidine						
3,3-dimethylbenzidine						
3-methylcholanthrene						
3-nitroaniline						
4,4'-ddd						
4,4'-dde						
4,4'-ddt						
4,6-dinitro-2-methylphenol						
4-aminobiphenyl						
4-bromophenyl phenyl ether						
4-chloro-3-methylphenol						
4-chloroaniline						
4-chlorophenyl phenyl ether						
4-methyl-2-pentanone	<5	<5	<5	<5	<5	<5
4-nitroaniline						
4-nitrophenol						
5-nitro-o-toluidine						
7,12-dimethylbenz [a] anthracene						
Acenaphthene						
Acenaphthylene						
Acetone	<10	<10	<10	<10	<10	<10
Acetonitrile						
Acetophenone						
Acrolein						
Acrylonitrile	<5	<5	<5	<5	<5	<5
Aldrin						
Allyl chloride						
Alpha-bhc						
Ammonia as n						

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

Table 9

Analytical Data Summary for MW-23

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	10/21/2014
Anthracene	ug/L							
Antimony, total	ug/L	<6	<6	<6	<6	<6		<6
Arochlor 1016	ug/L							
Arochlor 1221	ug/L							
Arochlor 1232	ug/L							
Arochlor 1242	ug/L							
Arochlor 1248	ug/L							
Arochlor 1254	ug/L							
Arochlor 1260	ug/L							
Arsenic, total	ug/L	63.6	60.4	58.7	51.4	62.8		62.3
Azobenzene	ug/L							
Barium, total	ug/L	592	597	530	608	614		772
Benzene	ug/L							<.5
Benzo(a)anthracene	ug/L							
Benzo(a)pyrene	ug/L							
Benzo(b)fluoranthene	ug/L							
Benzo(g,h,i)perylene	ug/L							
Benzo(k)fluoranthene	ug/L							
Benzyl alcohol	ug/L							
Beryllium, total	ug/L	<1	<1	<1	<1	<1		<1
Beta-bhc	ug/L							
Bicarbonate alkalinity	mg/L as CaCO3							
Bis (2-chloroethoxy) methane	ug/L							
Bis(2-chloroethyl) ether	ug/L							
Bis(2-ethylhexyl) phthalate	ug/L							
Bis[2-chloroisopropyl]ether	ug/L							
Bromochloromethane	ug/L							<5
Bromodichloromethane	ug/L							<1
Bromoform	ug/L							<5
Bromomethane	ug/L							<4
Butyl benzyl phthalate	ug/L							
Cadmium, total	ug/L	<.500	<.500	<.500	<.500	<.500		1.400
Calcium, total	mg/L							
Carbon disulfide	ug/L							<1
Carbon tetrachloride	ug/L							<2
Carbonate alkalinity	mg/L as CaCO3							
Chlordane	ug/L							
Chloride	mg/L							
Chlorobenzene	ug/L							<1
Chlorobenzilate	ug/L							
Chloroethane	ug/L							<4
Chloroform	ug/L							<1
Chloromethane	ug/L							<3
Chloroprene	ug/L							
Chromium, total	ug/L	<20	<20	<20	<20	<20		<20
Chrysene	ug/L							
Cis-1,2-dichloroethene	ug/L							<1
Cis-1,3-dichloropropene	ug/L							<5
Cobalt, total	ug/L	<20.00	<20.00	6.81	7.49	9.07		20.90
Copper, total	ug/L	<20.00	<20.00	<20.00	<20.00	<20.00		<20.00
Cyanide	mg/L	<.010						
Delta-bhc	ug/L							
Diallate	ug/L							
Dibenzo(a,h)anthracene	ug/L							
Dibenzofuran	ug/L							
Dibromochloromethane	ug/L							<5
Dibromomethane	ug/L							
Dichlorodifluoromethane	ug/L							
Dieldrin	ug/L							
Diethyl phthalate	ug/L							
Dimethoate	ug/L							
Dimethylphthalate	ug/L							
Di-n-butyl phthalate	ug/L							<10.4
Di-n-octyl phthalate	ug/L							
Dinoseb	ug/L							
Diphenylamine	ug/L							
Disulfoton	ug/L							
Endosulfan i	ug/L							
Endosulfan ii	ug/L							
Endosulfan sulfate	ug/L							
Endrin	ug/L							
Endrin aldehyde	ug/L							
Ethyl methacrylate	ug/L							
Ethyl methanesulfonate	ug/L							
Ethylbenzene	ug/L							<1
Famphur	ug/L							
Fluoranthene	ug/L							

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

Table 9

Analytical Data Summary for MW-23

Constituents	6/22/2015	11/12/2015	4/11/2016	4/12/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018	9/12/2018
Anthracene						<8			
Antimony, total	<1	<6		<1	<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	106.0	108.0		55.3	136.0	23.3	54.7	31.6	39.2
Azobenzene						<8			
Barium, total	1120	524		463	505	350	393	352	353
Benzene	<.5	<.5		<.5	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(a)anthracene						<8			
Benzo(a)pyrene						<8			
Benzo(b)fluoranthene						<8			
Benzo(g,h,i)perylene						<8			
Benzo(k)fluoranthene						<8			
Benzyl alcohol						<8			
Beryllium, total	<1	<1		<1	<4	<4	<4	<4	<4
Beta-bhc						<.05			
Bicarbonate alkalinity		584 *							
Bis (2-chloroethoxy) methane						<8			
Bis(2-chloroethyl) ether						<8			
Bis(2-ethylhexyl) phthalate						<8			
Bis[2-chloroisopropyl]ether						<8			
Bromochloromethane	<5	<5		<5	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1		<1	<1	<1	<1	<1	<1
Bromoform	<5	<5		<5	<1	<1	<1	<1	<1
Bromomethane	<4	<4		<4	<1	<1	<1	<1	<1
Butyl benzyl phthalate						<8			
Cadmium, total	.758	<.500		<.500	<.800	<.800	<.800	<.800	<.800
Calcium, total		130 *							
Carbon disulfide	<1	<1		<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<2	<2		<2	<1	<1	<1	<1	<1
Carbonate alkalinity		<5 *							
Chlordane						<.1			
Chloride		53.1 *							
Chlorobenzene	<1	<1		<1	<1	<1	<1	<1	<1
Chlorobenzilate						<8			
Chloroethane	<4	<4		<4	<1	<1	<1	<1	<1
Chloroform	<1	<1		<1	<1	<1	<1	<1	<1
Chloromethane	<3	<3		<3	<1	<1	<1	<1	<1
Chloroprene						<1			
Chromium, total	<5	<5		<5	<8	<8	<8	<8	<8
Chrysene						<8			
Cis-1,2-dichloroethene	<1	<1		<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<5	<5		<5	<1	<1	<1	<1	<1
Cobalt, total	13.40	7.39		6.41	6.60	7.60	7.80	7.20	7.90
Copper, total	9.04	3.70		<5.00	<4.00	<4.00	<4.00	<4.00	<4.00
Cyanide						<.005			
Delta-bhc						<.05			
Diallate						<8			
Dibenzo(a,h)anthracene						<8			
Dibenzofuran						<8			
Dibromochloromethane	<5	<5		<5	<1	<1	<1	<1	<1
Dibromomethane					<1	<1	<1	<1	<1
Dichlorodifluoromethane						<1			
Dieldrin						<.05			
Diethyl phthalate						<8			
Dimethoate						<.4			
Dimethylphthalate						<8			
Di-n-butyl phthalate						<8.0			
Di-n-octyl phthalate						<8			
Dinoseb						<.5			
Diphenylamine						<8			
Disulfoton						<.4			
Endosulfan i						<.05			
Endosulfan ii						<.05			
Endosulfan sulfate						<.05			
Endrin						<.05			
Endrin aldehyde						<.05			
Ethyl methacrylate						<10			
Ethyl methanesulfonate						<8			
Ethylbenzene	<1	<1		<1	<1	<1	<1	<1	<1
Famphur						<.4			
Fluoranthene						<8			

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

Table 9

Analytical Data Summary for MW-23

Constituents	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021
Anthracene						
Antimony, total	<2	<2	<2	<2	<2	<2
Arochlor 1016						
Arochlor 1221						
Arochlor 1232						
Arochlor 1242						
Arochlor 1248						
Arochlor 1254						
Arochlor 1260						
Arsenic, total	81.9	154.0	179.0	115.0	37.8	105.0
Azobenzene						
Barium, total	465	510	687	515	410	424
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(a)anthracene						
Benzo(a)pyrene						
Benzo(b)fluoranthene						
Benzo(g,h,i)perylene						
Benzo(k)fluoranthene						
Benzyl alcohol						
Beryllium, total	<4	<4	<4	<4	<4	<4
Beta-bhc						
Bicarbonate alkalinity						
Bis (2-chloroethoxy) methane						
Bis(2-chloroethyl) ether						
Bis(2-ethylhexyl) phthalate						
Bis[2-chloroisopropyl]ether						
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	<.800	<.800	<.800	<.800	<.800	<.800
Calcium, total						
Carbon disulfide	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Carbonate alkalinity						
Chlordane						
Chloride						
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	<8	<8	<8	<8	<8
Chrysene						
Cis-1,2-dichloroethene	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Cobalt, total	7.70	8.00	8.10	8.30	6.80	6.30
Copper, total	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Cyanide						
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						

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

Table 9

Analytical Data Summary for MW-23

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	10/21/2014
Fluorene	ug/L							
Gamma-bhc [lindane]	ug/L							
Heptachlor	ug/L							
Heptachlor epoxide	ug/L							
Hexachlorobenzene	ug/L							
Hexachlorobutadiene	ug/L							
Hexachlorocyclopentadiene	ug/L							
Hexachloroethane	ug/L							
Hexachloropropene	ug/L							
Indeno(1,2,3-cd)pyrene	ug/L							
Iodomethane	ug/L							<10
Iron, total	ug/L							
Isobutanol	mg/L							
Isodrin	ug/L							
Isophorone	ug/L							
Isosafrole	ug/L							
Kepone	ug/L							
Lead, total	ug/L	<4.000	<4.000	<4.000	<4.000	<4.000		6.610
Magnesium, total	mg/L							
Manganese, total	ug/L							
Mercury, total	ug/L	<.2						
Methacrylonitrile	ug/L							
Methapyrilene	ug/L							
Methoxychlor	ug/L							
Methyl methacrylate	ug/L							
Methyl methanesulfonate	ug/L							
Methyl parathion	ug/L							
Methylene bromide	ug/L							<1
Methylene chloride	ug/L							<5
Naphthalene	ug/L							
Nickel, total	ug/L	<50.00	<50.00	<50.00	<50.00	<50.00		<50.00
Nitrate as n	mg/L							
Nitrobenzene	ug/L							
N-nitrosodiethylamine	ug/L							
N-nitrosodimethylamine	ug/L							
N-nitrosodi-n-butylamine	ug/L							
N-nitroso-di-n-propylamine	ug/L							
N-nitrosodiphenylamine	ug/L							
N-nitrosomethylethylamine	ug/L							
N-nitrosopiperidine	ug/L							
N-nitrosopyrrolidine	ug/L							
O,o,o-triethyl phosphorothioate	ug/L							
O-toluidine	ug/L							
P-(dimethylamino)azobenzene	ug/L							
Parathion	ug/L							
Pentachlorobenzene	ug/L							
Pentachloronitrobenzene (pcnb)	ug/L							
Pentachlorophenol	ug/L							
Phenacetin	ug/L							
Phenanthrene	ug/L							
Phenol	ug/L							
Phorate	ug/L							
Potassium, total	mg/L							
Pronamide	ug/L							
Propionitrile	ug/L							
Pyrene	ug/L							
Safrole	ug/L							
Selenium, total	ug/L	<5	<5	<5	<5	<5		<5
Silver, total	ug/L	<20	<20	<20	<20	<20		<20
Sodium, total	mg/L							
Styrene	ug/L							<1
Sulfate	mg/L							
Sulfide	mg/L	<1.0						
Tetrachloroethene	ug/L							<1
Thallium, total	ug/L	<2	<2	<2	<2	<2		<2
Thionazin	ug/L							
Tin, total	ug/L	<100					124	124
Toluene	ug/L							<1
Total organic carbon	mg/L							
Total suspended solids	mg/L						1170	1170
Toxaphene	ug/L							
Trans-1,2-dichloroethene	ug/L							<1
Trans-1,3-dichloropropene	ug/L							<5
Trans-1,4-dichloro-2-butene	ug/L							<10
Trichloroethene	ug/L							<1
Trichlorofluoromethane	ug/L							<4
Vanadium, total	ug/L	<50	<50	<50	<50	<50		<20

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

Table 9

Analytical Data Summary for MW-23

Constituents	6/22/2015	11/12/2015	4/11/2016	4/12/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018	9/12/2018
Fluorene						<.8			
Gamma-bhc [lindane]						<.05			
Heptachlor						<.05			
Heptachlor epoxide						<.05			
Hexachlorobenzene						<.05			
Hexachlorobutadiene						<.8			
Hexachlorocyclopentadiene						<.8			
Hexachloroethane						<.8			
Hexachloropropene						<.8			
Indeno(1,2,3-cd)pyrene						<.8			
Iodomethane	<10	<10		<10	<1	<1	<1	<1	<1
Iron, total		35100 *	34700	34700					
Isobutanol						<1			
Isodrin						<.8			
Isophorone						<.8			
Isosafrole						<.8			
Kepone						<.8			
Lead, total	1.750	1.700		.547	<4.000	<4.000	<4.000	<4.000	<4.000
Magnesium, total		61.8 *							
Manganese, total		3680 *	5130	5130					
Mercury, total						<.5			
Methacrylonitrile						<1			
Methapyrilene						<.8			
Methoxychlor						<.05			
Methyl methacrylate						<1			
Methyl methanesulfonate						<.8			
Methyl parathion						<.4			
Methylene bromide	<1	<1		<1					
Methylene chloride	<5	<5		<5	<5	<5	<5	<5	<5
Naphthalene						<.8			
Nickel, total	13.00	11.50		9.58	7.20	11.80	13.00	11.70	13.20
Nitrate as n		<.1 *	<.1	<.1					
Nitrobenzene						<.8			
N-nitrosodiethylamine						<.8			
N-nitrosodimethylamine						<.8			
N-nitrosodi-n-butylamine						<.8			
N-nitroso-di-n-propylamine						<.8			
N-nitrosodiphenylamine						<.8			
N-nitrosomethylethylamine						<.8			
N-nitrosopiperidine						<.8			
N-nitrosopyrrolidine						<.8			
O,o,o-triethyl phosphorothioate						<.4			
O-toluidine						<.8			
P-(dimethylamino)azobenzene						<.8			
Parathion						<.4			
Pentachlorobenzene						<.8			
Pentachloronitrobenzene (pcnb)						<.8			
Pentachlorophenol						<.8			
Phenacetin						<.8			
Phenanthrene						<.8			
Phenol						<.8			
Phorate						<.4			
Potassium, total		1.14 *							
Pronamide						<.8			
Propionitrile						<10			
Pyrene						<.8			
Safrole						<.8			
Selenium, total	<5	<5		<5	<4	<4	<4	<4	<4
Silver, total	<1	<1		<1	<4	<4	<4	<4	<4
Sodium, total		31.5 *							
Styrene	<1	<1		<1	<1	<1	<1	<1	<1
Sulfate		<5 *							
Sulfide						<.1			
Tetrachloroethene	<1	<1		<1	<1	<1	<1	<1	<1
Thallium, total	<2	<1		<1	<4	<4	<4	<4	<4
Thionazin						<.4			
Tin, total	<5 *	<5 *	<5	<5	<20	<20			
Toluene	<1	<1		<1	<1	<1	<1	<1	<1
Total organic carbon		18.4 *	12.7	12.7					
Total suspended solids	183 *	277 *	185	185	78	317			
Toxaphene						<.2			
Trans-1,2-dichloroethene	<1	<1		<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	<5	<5		<5	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	<10	<10		<10	<5	<5	<5	<5	<5
Trichloroethene	<1	<1		<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<4	<4		<4	<1	<1	<1	<1	<1
Vanadium, total	<5	<5		<5	<20	<20	<20	<20	<20

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

Table 9

Analytical Data Summary for MW-23

Constituents	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021
Fluorene						
Gamma-bhc [lindane]						
Heptachlor						
Heptachlor epoxide						
Hexachlorobenzene						
Hexachlorobutadiene						
Hexachlorocyclopentadiene						
Hexachloroethane						
Hexachloropropene						
Indeno(1,2,3-cd)pyrene						
Iodomethane	<1	<1	<1	<1	<1	<1
Iron, total						
Isobutanol						
Isodrin						
Isophorone						
Isosafrole						
Kepone						
Lead, total	<4.000	<4.000	<4.000	<4.000	<4.000	<4.000
Magnesium, total						
Manganese, total						
Mercury, total						
Methacrylonitrile						
Methapyrilene						
Methoxychlor						
Methyl methacrylate						
Methyl methanesulfonate						
Methyl parathion						
Methylene bromide						
Methylene chloride	<5	<5	<5	<5	<5	<5
Naphthalene						
Nickel, total	13.30	12.60	14.70	12.90	11.70	10.30
Nitrate as n						
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						
P-(dimethylamino)azobenzene						
Parathion						
Pentachlorobenzene						
Pentachloronitrobenzene (pcnb)						
Pentachlorophenol						
Phenacetin						
Phenanthrene						
Phenol						
Phorate						
Potassium, total						
Pronamide						
Propionitrile						
Pyrene						
Safrole						
Selenium, total	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4
Sodium, total						
Styrene	<1	<1	<1	<1	<1	<1
Sulfate						
Sulfide						
Tetrachloroethene	<1	<1	<1	<1	<1	<1
Thallium, total	<2	<2	<2	<2	<2	<2
Thionazin						
Tin, total						
Toluene	<1	<1	<1	<1	<1	<1
Total organic carbon						
Total suspended solids						
Toxaphene						
Trans-1,2-dichloroethene	<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
Trichloroethene	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20

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

Table 9

Analytical Data Summary for MW-23

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	10/21/2014
Vinyl acetate	ug/L							<10
Vinyl chloride	ug/L							<1
Xylenes, total	ug/L							<3
Zinc, total	ug/L	<20.0	<20.0	38.4	78.8	<20.0		52.6

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

Table 9

Analytical Data Summary for MW-23

Constituents	6/22/2015	11/12/2015	4/11/2016	4/12/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018	9/12/2018
Vinyl acetate	<10	<10		<10	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1		<1	<1	<1	<1	<1	<1
Xylenes, total	<3	<3		<3	<2	<2	<2	<2	<2
Zinc, total	44.6	11.4		<10.0	<8.0	<8.0	<8.0	<8.0	100.0

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

Table 9

Analytical Data Summary for MW-23

Constituents	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021
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	<20.0

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

Table 9

Analytical Data Summary for MW-24

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	10/21/2014
(3,4)-methylphenol	ug/L							<1
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-dichloroethene	ug/L							<2
1,1-dichloropropene	ug/L							
1,2,3-trichloropropane	ug/L							<1
1,2,4,5-tetrachlorobenzene	ug/L							
1,2,4-trichlorobenzene	ug/L							
1,2-dibromo-3-chloropropane	ug/L							<.12
1,2-dibromoethane	ug/L							<.13
1,2-dichlorobenzene	ug/L							<1
1,2-dichloroethane	ug/L							<1
1,2-dichloropropane	ug/L							<1
1,2-dinitrobenzene	ug/L							
1,3,5-trinitrobenzene	ug/L							
1,3-dichlorobenzene	ug/L							
1,3-dichloropropane	ug/L							
1,3-dinitrobenzene	ug/L							
1,4-dichlorobenzene	ug/L							<1
1,4-naphthoquinone	ug/L							
1,4-phenylenediamine	ug/L							
1-naphthylamine	ug/L							
2,2-dichloropropane	ug/L							
2,3,4,6-tetrachlorophenol	ug/L							
2,4,5-t	ug/L							
2,4,5-tp (silvex)	ug/L							
2,4,5-trichlorophenol	ug/L							
2,4,6-trichlorophenol	ug/L							
2,4-d	ug/L							
2,4-dichlorophenol	ug/L							
2,4-dimethylphenol	ug/L							
2,4-dinitrophenol	ug/L							
2,4-dinitrotoluene	ug/L							
2,6-dichlorophenol	ug/L							
2,6-dinitrotoluene	ug/L							
2-acetylaminofluorene	ug/L							
2-butanone	ug/L							<10
2-chloronaphthalene	ug/L							
2-chlorophenol	ug/L							
2-hexanone	ug/L							<10
2-methylnaphthalene	ug/L							
2-methylphenol (o-cresol)	ug/L							
2-naphthylamine	ug/L							
2-nitroaniline	ug/L							
2-nitrophenol	ug/L							
3,3'-dichlorobenzidine	ug/L							
3,3-dimethylbenzidine	ug/L							
3-methylcholanthrene	ug/L							
3-nitroaniline	ug/L							
4,4'-ddd	ug/L							
4,4'-dde	ug/L							
4,4'-ddt	ug/L							
4,6-dinitro-2-methylphenol	ug/L							
4-aminobiphenyl	ug/L							
4-bromophenyl phenyl ether	ug/L							
4-chloro-3-methylphenol	ug/L							
4-chloroaniline	ug/L							
4-chlorophenyl phenyl ether	ug/L							
4-methyl-2-pentanone	ug/L							<10
4-nitroaniline	ug/L							
4-nitrophenol	ug/L							
5-nitro-o-toluidine	ug/L							
7,12-dimethylbenz [a] anthracene	ug/L							
Acenaphthene	ug/L							
Acenaphthylene	ug/L							
Acetone	ug/L							<10.0
Acetonitrile	ug/L							
Acetophenone	ug/L							
Acrolein	ug/L							
Acrylonitrile	ug/L							<10
Aldrin	ug/L							
Allyl chloride	ug/L							
Alpha-bhc	ug/L							
Ammonia as n	mg/L							

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

Table 9

Analytical Data Summary for MW-24

Constituents	6/22/2015	6/23/2015	11/12/2015	4/11/2016	4/12/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018
(3,4)-methylphenol							<8		
1,1,1,2-tetrachloroethane		<1	<1		<1	<1	<1	<1	<1
1,1,1-trichloroethane		<1	<1		<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane		<1	<1		<1	<1	<1	<1	<1
1,1,2-trichloroethane		<1	<1		<1	<1	<1	<1	<1
1,1-dichloroethane		<1	<1		<1	<1	<1	<1	<1
1,1-dichloroethene		<2	<2		<2	<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		<.50	<.50		<.50	<1.00	<1.00	<1.00	<1.00
1,2-dibromoethane		<.13	<.13		<.13	<1.00	<1.00	<1.00	<1.00
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		<10	<10		<10	<5	<5	<5	<5
2-chloronaphthalene							<8		
2-chlorophenol							<8		
2-hexanone		<10	<10		<10	<5	<5	<5	<5
2-methylnaphthalene							<8		
2-methylphenol (o-cresol)							<8		
2-naphthylamine							<8		
2-nitroaniline							<8		
2-nitrophenol							<8		
3,3'-dichlorobenzidine							<8		
3,3-dimethylbenzidine							<8		
3-methylcholanthrene							<8		
3-nitroaniline							<8		
4,4'-ddd							<.05		
4,4'-dde							<.05		
4,4'-ddt							<.05		
4,6-dinitro-2-methylphenol							<8		
4-aminobiphenyl							<8		
4-bromophenyl phenyl ether							<8		
4-chloro-3-methylphenol							<8		
4-chloroaniline							<8		
4-chlorophenyl phenyl ether							<8		
4-methyl-2-pentanone		<10	<10		<10	<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	13.6	<10.0
Acetonitrile							<10		
Acetophenone							<8		
Acrolein							<10		
Acrylonitrile		<10	<10		<10	<5	<5	<5	<5
Aldrin							<.05		
Allyl chloride							<1		
Alpha-bhc							<.05		
Ammonia as n		1.51 *	1.54 *	1.11	1.11				

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

Table 9

Analytical Data Summary for MW-24

Constituents	9/12/2018	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022
(3,4)-methylphenol								<8	
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethene	<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	<1.00	<1.00	<1.00	<5.00	<5.00	<5.00	<5.00	<1.00	<5.00
1,2-dibromoethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
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	<5	<5	<5	<5	<5	<5	<5	<5	<10
2-chloronaphthalene								<8	
2-chlorophenol								<8	
2-hexanone	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene								<8	
2-methylphenol (o-cresol)								<8	
2-naphthylamine								<8	
2-nitroaniline								<8	
2-nitrophenol								<8	
3,3'-dichlorobenzidine								<8	
3,3-dimethylbenzidine								<8	
3-methylcholanthrene								<8	
3-nitroaniline								<8	
4,4'-ddd								<.05	
4,4'-dde								<.05	
4,4'-ddt								<.05	
4,6-dinitro-2-methylphenol								<8	
4-aminobiphenyl								<8	
4-bromophenyl phenyl ether								<8	
4-chloro-3-methylphenol								<8	
4-chloroaniline								<8	
4-chlorophenyl phenyl ether								<8	
4-methyl-2-pentanone	<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	25.0	<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	
Ammonia as n									

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

Table 9

Analytical Data Summary for MW-24

Constituents	3/7/2023	9/28/2023	3/11/2024	10/2/2024	3/6/2025	9/16/2025
(3,4)-methylphenol						
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1
1,1-dichloroethene	<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	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
1,2-dibromoethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
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	<10	<10	<10	<10	<10	<10
2-chloronaphthalene						
2-chlorophenol						
2-hexanone	<5	<5	<5	<5	<5	<5
2-methylnaphthalene						
2-methylphenol (o-cresol)						
2-naphthylamine						
2-nitroaniline						
2-nitrophenol						
3,3'-dichlorobenzidine						
3,3-dimethylbenzidine						
3-methylcholanthrene						
3-nitroaniline						
4,4'-ddd						
4,4'-dde						
4,4'-ddt						
4,6-dinitro-2-methylphenol						
4-aminobiphenyl						
4-bromophenyl phenyl ether						
4-chloro-3-methylphenol						
4-chloroaniline						
4-chlorophenyl phenyl ether						
4-methyl-2-pentanone	<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						
Ammonia as n						

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

Table 9

Analytical Data Summary for MW-24

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	10/21/2014
Anthracene	ug/L							
Antimony, total	ug/L	<6.00	<12.00	<6.00	6.25	<6.00		<6.00
Arochlor 1016	ug/L							
Arochlor 1221	ug/L							
Arochlor 1232	ug/L							
Arochlor 1242	ug/L							
Arochlor 1248	ug/L							
Arochlor 1254	ug/L							
Arochlor 1260	ug/L							
Arsenic, total	ug/L	3.74	10.30	7.44	8.93	11.80		<1.00
Azobenzene	ug/L							
Barium, total	ug/L	86.4	82.2	73.7	86.4	72.1		130.0
Benzene	ug/L							<.5
Benzo(a)anthracene	ug/L							
Benzo(a)pyrene	ug/L							
Benzo(b)fluoranthene	ug/L							
Benzo(g,h,i)perylene	ug/L							
Benzo(k)fluoranthene	ug/L							
Benzyl alcohol	ug/L							
Beryllium, total	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00
Beta-bhc	ug/L							
Bicarbonate alkalinity	mg/L as CaCO3							
Bis (2-chloroethoxy) methane	ug/L							
Bis(2-chloroethyl) ether	ug/L							
Bis(2-ethylhexyl) phthalate	ug/L							
Bis[2-chloroisopropyl]ether	ug/L							
Bromochloromethane	ug/L							<5
Bromodichloromethane	ug/L							<1
Bromoform	ug/L							<5
Bromomethane	ug/L							<4
Butyl benzyl phthalate	ug/L							
Cadmium, total	ug/L	<.500	<.500	<.500	<.500	<.500		.547
Calcium, total	mg/L							
Carbon disulfide	ug/L							<1
Carbon tetrachloride	ug/L							<2
Carbonate alkalinity	mg/L as CaCO3							
Chlordane	ug/L							
Chloride	mg/L							
Chlorobenzene	ug/L							<1
Chlorobenzilate	ug/L							
Chloroethane	ug/L							<4.0
Chloroform	ug/L							<1
Chloromethane	ug/L							<3
Chloroprene	ug/L							
Chromium, total	ug/L	<20.0	<20.0	<20.0	<20.0	<20.0		<20.0
Chrysene	ug/L							
Cis-1,2-dichloroethene	ug/L							<1
Cis-1,3-dichloropropene	ug/L							<5
Cobalt, total	ug/L	25.700	26.400	17.600	15.200	12.400		6.800
Copper, total	ug/L	<20.0	<20.0	<20.0	<20.0	<20.0		<10.0
Cyanide	mg/L	<.010						
Delta-bhc	ug/L							
Diallate	ug/L							
Dibenzo(a,h)anthracene	ug/L							
Dibenzofuran	ug/L							
Dibromochloromethane	ug/L							<5
Dibromomethane	ug/L							
Dichlorodifluoromethane	ug/L							
Dieldrin	ug/L							
Diethyl phthalate	ug/L							
Dimethoate	ug/L							
Dimethylphthalate	ug/L							
Di-n-butyl phthalate	ug/L							
Di-n-octyl phthalate	ug/L							
Dinoseb	ug/L							
Diphenylamine	ug/L							
Disulfoton	ug/L							
Endosulfan i	ug/L							
Endosulfan ii	ug/L							
Endosulfan sulfate	ug/L							
Endrin	ug/L							
Endrin aldehyde	ug/L							
Ethyl methacrylate	ug/L							
Ethyl methanesulfonate	ug/L							
Ethylbenzene	ug/L							<1.0
Famphur	ug/L							
Fluoranthene	ug/L							

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

Table 9

Analytical Data Summary for MW-24

Constituents	6/22/2015	6/23/2015	11/12/2015	4/11/2016	4/12/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018
Anthracene							<8		
Antimony, total		<1.00	<1.00		<1.00	<2.00	<2.00	<2.00	<2.00
Arochlor 1016							<.1		
Arochlor 1221							<.2		
Arochlor 1232							<.2		
Arochlor 1242							<.2		
Arochlor 1248							<.2		
Arochlor 1254							<.1		
Arochlor 1260							<.1		
Arsenic, total		36.30	20.40		10.80	32.60	26.40	27.20	22.90
Azobenzene							<8		
Barium, total		339.0	393.0		374.0	333.0	544.0	567.0	632.0
Benzene		<.5	<.5		<.5	<1.0	1.3	<1.0	<1.0
Benzo(a)anthracene							<8		
Benzo(a)pyrene							<8		
Benzo(b)fluoranthene							<8		
Benzo(g,h,i)perylene							<8		
Benzo(k)fluoranthene							<8		
Benzyl alcohol							<8		
Beryllium, total		<1.00	1.40		1.04	<4.00	<4.00	<4.00	<4.00
Beta-bhc							<.05		
Bicarbonate alkalinity		780 *	740 *						
Bis (2-chloroethoxy) methane							<8		
Bis(2-chloroethyl) ether							<8		
Bis(2-ethylhexyl) phthalate							<8		
Bis[2-chloroisopropyl]ether							<8		
Bromochloromethane		<5	<5		<5	<1	<1	<1	<1
Bromodichloromethane		<1	<1		<1	<1	<1	<1	<1
Bromoform		<5	<5		<5	<1	<1	<1	<1
Bromomethane		<4	<4		<4	<1	<1	<1	<1
Butyl benzyl phthalate							<8		
Cadmium, total		<.500	.582		.706	<.800	<.800	<.800	<.800
Calcium, total		196 *	257 *						
Carbon disulfide		<5	<1		<1	<1	<1	<1	<1
Carbon tetrachloride		<2	<2		<2	<1	<1	<1	<1
Carbonate alkalinity		<5 *	<5 *						
Chlordane							<.1		
Chloride		11.0 *	19.9 *						
Chlorobenzene		<1	<1		<1	<1	<1	<1	<1
Chlorobenzilate							<8		
Chloroethane		<4.0	<4.0		<4.0	<1.0	<1.0	<1.0	<1.0
Chloroform		<1	<1		<1	<1	<1	<1	<1
Chloromethane		<3	<3		<3	<1	<1	<1	<1
Chloroprene							<1		
Chromium, total		<5.0	<5.0		<5.0	<8.0	<8.0	<8.0	<8.0
Chrysene							<8		
Cis-1,2-dichloroethene		<1	<1		<1	<1	<1	<1	<1
Cis-1,3-dichloropropene		<5	<5		<5	<1	<1	<1	<1
Cobalt, total		.834	11.700		11.800	1.000	.800	1.000	1.400
Copper, total		<2.0	<2.0		<5.0	<4.0	<4.0	<4.0	<4.0
Cyanide							<.005		
Delta-bhc							<.05		
Diallate							<8		
Dibenzo(a,h)anthracene							<8		
Dibenzofuran							<8		
Dibromochloromethane		<5	<5		<5	<1	<1	<1	<1
Dibromomethane						<1	<1	<1	<1
Dichlorodifluoromethane							<1		
Dieldrin							<.05		
Diethyl phthalate							<8		
Dimethoate							<.4		
Dimethylphthalate							<8		
Di-n-butyl phthalate							<8		
Di-n-octyl phthalate							<8		
Dinoseb							<.5		
Diphenylamine							<8		
Disulfoton							<.4		
Endosulfan i							<.05		
Endosulfan ii							<.05		
Endosulfan sulfate							<.05		
Endrin							<.05		
Endrin aldehyde							<.05		
Ethyl methacrylate							<10		
Ethyl methanesulfonate							<8		
Ethylbenzene		<1.0	<1.0		<1.0	1.2	1.9	<1.0	<1.0
Famphur							<.4		
Fluoranthene							<8		

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

Table 9

Analytical Data Summary for MW-24

Constituents	9/12/2018	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022
Anthracene								<8	
Antimony, total	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Arochlor 1016								<.1	
Arochlor 1221								<.2	
Arochlor 1232								<.2	
Arochlor 1242								<.2	
Arochlor 1248								<.2	
Arochlor 1254								<.1	
Arochlor 1260								<.1	
Arsenic, total	25.60	100.00	23.80	6.50	12.80	22.30	20.50	<4.00	5.10
Azobenzene								<8	
Barium, total	382.0	665.0	310.0	303.0	149.0	179.0	302.0	96.2	82.7
Benzene	<1.0	2.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(a)anthracene								<8	
Benzo(a)pyrene								<8	
Benzo(b)fluoranthene								<8	
Benzo(g,h,i)perylene								<8	
Benzo(k)fluoranthene								<8	
Benzyl alcohol								<8	
Beryllium, total	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Beta-bhc								<.05	
Bicarbonate alkalinity									
Bis (2-chloroethoxy) methane								<8	
Bis(2-chloroethyl) ether								<8	
Bis(2-ethylhexyl) phthalate								<6	
Bis[2-chloroisopropyl]ether								<8	
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate								<8	
Cadmium, total	<.800	<.800	<.800	<.800	.800	<.800	<.800	<.800	<.800
Calcium, total									
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbonate alkalinity									
Chlordane								<.1	
Chloride									
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate								<8	
Chloroethane	<1.0	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene								<1	
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene								<8	
Cis-1,2-dichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	3.500	21.900	19.000	5.100	16.100	14.200	3.500	8.000	12.000
Copper, total	<4.0	4.0	<4.0	<4.0	10.7	<4.0	7.7	8.2	<4.0
Cyanide								<.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	<1.0	4.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Famphur								<.4	
Fluoranthene								<8	

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

Table 9

Analytical Data Summary for MW-24

Constituents	3/7/2023	9/28/2023	3/11/2024	10/2/2024	3/6/2025	9/16/2025
Anthracene						
Antimony, total	<2.00	<2.00	<2.00	<2.00	<2.00	<1.00
Arochlor 1016						
Arochlor 1221						
Arochlor 1232						
Arochlor 1242						
Arochlor 1248						
Arochlor 1254						
Arochlor 1260						
Arsenic, total	<4.00	17.10	36.90	33.30	22.00	5.50
Azobenzene						
Barium, total	65.1	298.0	409.0	602.0	559.0	419.0
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(a)anthracene						
Benzo(a)pyrene						
Benzo(b)fluoranthene						
Benzo(g,h,i)perylene						
Benzo(k)fluoranthene						
Benzyl alcohol						
Beryllium, total	<4.00	<4.00	<4.00	<4.00	<4.00	<.50
Beta-bhc						
Bicarbonate alkalinity						
Bis (2-chloroethoxy) methane						
Bis(2-chloroethyl) ether						
Bis(2-ethylhexyl) phthalate						
Bis[2-chloroisopropyl]ether						
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	<.800	<.800	<.800	<.800	<.800	.200
Calcium, total						
Carbon disulfide	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Carbonate alkalinity						
Chlordane						
Chloride						
Chlorobenzene	<1	<1	<1	<1	<1	<1
Chlorobenzilate						
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1
Chloroprene						
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	1.6
Chrysene						
Cis-1,2-dichloroethene	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1
Cobalt, total	5.200	7.400	6.400	12.900	6.600	9.200
Copper, total	8.1	<4.0	<4.0	<4.0	<4.0	<5.0
Cyanide						
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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Famphur						
Fluoranthene						

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

Table 9

Analytical Data Summary for MW-24

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	10/21/2014
Fluorene	ug/L							
Gamma-bhc [lindane]	ug/L							
Heptachlor	ug/L							
Heptachlor epoxide	ug/L							
Hexachlorobenzene	ug/L							
Hexachlorobutadiene	ug/L							
Hexachlorocyclopentadiene	ug/L							
Hexachloroethane	ug/L							
Hexachloropropene	ug/L							
Indeno(1,2,3-cd)pyrene	ug/L							
Iodomethane	ug/L							<10
Iron, total	ug/L							
Isobutanol	mg/L							
Isodrin	ug/L							
Isophorone	ug/L							
Isosafrole	ug/L							
Kepone	ug/L							
Lead, total	ug/L	<4.000	<4.000	<4.000	<4.000	<4.000		6.390
Magnesium, total	mg/L							
Manganese, total	ug/L							
Mercury, total	ug/L	<.2						
Methacrylonitrile	ug/L							
Methapyrilene	ug/L							
Methoxychlor	ug/L							
Methyl methacrylate	ug/L							
Methyl methanesulfonate	ug/L							
Methyl parathion	ug/L							
Methylene bromide	ug/L							<1
Methylene chloride	ug/L							<5
Naphthalene	ug/L							
Nickel, total	ug/L	62.4	56.4	<50.0	<50.0	<50.0		<30.0
Nitrate as n	mg/L							
Nitrobenzene	ug/L							
N-nitrosodiethylamine	ug/L							
N-nitrosodimethylamine	ug/L							
N-nitrosodi-n-butylamine	ug/L							
N-nitroso-di-n-propylamine	ug/L							
N-nitrosodiphenylamine	ug/L							
N-nitrosomethylethylamine	ug/L							
N-nitrosopiperidine	ug/L							
N-nitrosopyrrolidine	ug/L							
O,o,o-triethyl phosphorothioate	ug/L							
O-toluidine	ug/L							
P-(dimethylamino)azobenzene	ug/L							
Parathion	ug/L							
Pentachlorobenzene	ug/L							
Pentachloronitrobenzene (pcnb)	ug/L							
Pentachlorophenol	ug/L							
Phenacetin	ug/L							
Phenanthrene	ug/L							
Phenol	ug/L							
Phorate	ug/L							
Potassium, total	mg/L							
Pronamide	ug/L							
Propionitrile	ug/L							
Pyrene	ug/L							
Safrole	ug/L							
Selenium, total	ug/L	<5	<5	<5	<5	<5		<5
Silver, total	ug/L	<20	<20	<20	<20	<20		<20
Sodium, total	mg/L							
Styrene	ug/L							<1
Sulfate	mg/L							
Sulfide	mg/L	<1.0						
Tetrachloroethene	ug/L							<1
Thallium, total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0		<2.0
Thionazin	ug/L							
Tin, total	ug/L	<100						
Toluene	ug/L							<1.0
Total organic carbon	mg/L							
Total suspended solids	mg/L						583.0 *	420.0
Toxaphene	ug/L							
Trans-1,2-dichloroethene	ug/L							<1
Trans-1,3-dichloropropene	ug/L							<5
Trans-1,4-dichloro-2-butene	ug/L							<10
Trichloroethene	ug/L							<1
Trichlorofluoromethane	ug/L							<4
Vanadium, total	ug/L	<50.0	<50.0	<50.0	<50.0	<50.0		<10.0

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

Table 9

Analytical Data Summary for MW-24

Constituents	6/22/2015	6/23/2015	11/12/2015	4/11/2016	4/12/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018
Fluorene							<8		
Gamma-bhc [lindane]							<.05		
Heptachlor							<.05		
Heptachlor epoxide							<.05		
Hexachlorobenzene							<.05		
Hexachlorobutadiene							<8		
Hexachlorocyclopentadiene							<8		
Hexachloroethane							<8		
Hexachloropropene							<8		
Indeno(1,2,3-cd)pyrene							<8		
Iodomethane		<10	<10		<10	<1	<1	<1	<1
Iron, total		49200 *	70800 *	32300	32300				
Isobutanol							<1		
Isodrin							<8		
Isophorone							<8		
Isosafrole							<8		
Kepone							<8		
Lead, total		.901	6.340		10.400	<4.000	<4.000	<4.000	<4.000
Magnesium, total		68.5 *	99.8 *						
Manganese, total		2180 *	3680 *	2090	2090				
Mercury, total							<.5		
Methacrylonitrile							<1		
Methapyrilene							<8		
Methoxychlor							<.05		
Methyl methacrylate							<1		
Methyl methanesulfonate							<8		
Methyl parathion							<.4		
Methylene bromide		<1	<1		<1				
Methylene chloride		<5	<5		<5	<5	<5	<5	<5
Naphthalene							<8		
Nickel, total		<5.0	29.1		27.1	<4.0	8.6	8.0	10.9
Nitrate as n		<.1 *	<.1 *	<.1	<.1				
Nitrobenzene							<8		
N-nitrosodiethylamine							<8		
N-nitrosodimethylamine							<8		
N-nitrosodi-n-butylamine							<8		
N-nitroso-di-n-propylamine							<8		
N-nitrosodiphenylamine							<8		
N-nitrosomethylethylamine							<8		
N-nitrosopiperidine							<8		
N-nitrosopyrrolidine							<8		
O,o,o-triethyl phosphorothioate							<.4		
O-toluidine							<8		
P-(dimethylamino)azobenzene							<8		
Parathion							<.4		
Pentachlorobenzene							<8		
Pentachloronitrobenzene (pcnb)							<8		
Pentachlorophenol							<8		
Phenacetin							<8		
Phenanthrene							<8		
Phenol							<8		
Phorate							<.4		
Potassium, total		3.45 *	4.17 *						
Pronamide							<8		
Propionitrile							<10		
Pyrene							<8		
Safrole							<8		
Selenium, total		<5	<5		<5	<4	<4	<4	<4
Silver, total		<1	<1		<1	<4	<4	<4	<4
Sodium, total		16.1 *	22.7 *						
Styrene		<1	<1		<1	<1	<1	<1	<1
Sulfate		35.1 *	200.0 *	23.0	23.0				
Sulfide							<.1		
Tetrachloroethene		<1	<1		<1	<1	<1	<1	<1
Thallium, total		<1.0	<1.0		<2.0	<4.0	<4.0	<4.0	<4.0
Thionazin							<.4		
Tin, total							<20		
Toluene		<1.0	<1.0		<1.0	5.5	<1.0	<1.0	<1.0
Total organic carbon		8.87 *	6.09 *	6.80	6.80				
Total suspended solids	209.0	126.5 *	1740.0 *	272.0	272.0	66.0	289.0		
Toxaphene							<2		
Trans-1,2-dichloroethene		<1	<1		<1	<1	<1	<1	<1
Trans-1,3-dichloropropene		<5	<5		<5	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene		<10	<10		<10	<5	<5	<5	<5
Trichloroethene		<1	<1		<1	<1	<1	<1	<1
Trichlorofluoromethane		<4	<4		<4	<1	<1	<1	<1
Vanadium, total		<5.0	14.2		23.4	<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	9/12/2018	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022
Fluorene								<8	
Gamma-bhc [lindane]								<.05	
Heptachlor								<.05	
Heptachlor epoxide								<.05	
Hexachlorobenzene								<.05	
Hexachlorobutadiene								<8	
Hexachlorocyclopentadiene								<8	
Hexachloroethane								<8	
Hexachloropropene								<8	
Indeno(1,2,3-cd)pyrene								<8	
Iodomethane	<1	<1	<1	<1	<1	<1	<1	<2	<1
Iron, total									
Isobutanol								<1	
Isodrin								<8	
Isophorone								<8	
Isosafrole								<8	
Kepone								<8	
Lead, total	<4.000	<4.000	<4.000	<4.000	<4.000	4.700	<4.000	<4.000	<4.000
Magnesium, total									
Manganese, total									
Mercury, total								<.5	
Methacrylonitrile								<1	
Methapyrilene								<8	
Methoxychlor								<.05	
Methyl methacrylate								<1	
Methyl methanesulfonate								<8	
Methyl parathion								<.4	
Methylene bromide									
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene								<8	
Nickel, total	14.3	61.1	16.2	14.9	30.6	17.9	13.4	66.7	43.0
Nitrate as n									
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	
P-(dimethylamino)azobenzene								<8	
Parathion								<.4	
Pentachlorobenzene								<8	
Pentachloronitrobenzene (pcnb)								<8	
Pentachlorophenol								<8	
Phenacetin								<8	
Phenanthrene								<8	
Phenol								<8	
Phorate								<.4	
Potassium, total									
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
Sodium, total									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate									
Sulfide								<.2	
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin								<.4	
Tin, total								<20	
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total organic carbon									
Total suspended solids									
Toxaphene								<.2	
Trans-1,2-dichloroethene	<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
Trichloroethene	<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

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

Table 9

Analytical Data Summary for MW-24

Constituents	3/7/2023	9/28/2023	3/11/2024	10/2/2024	3/6/2025	9/16/2025
Fluorene						
Gamma-bhc [lindane]						
Heptachlor						
Heptachlor epoxide						
Hexachlorobenzene						
Hexachlorobutadiene						
Hexachlorocyclopentadiene						
Hexachloroethane						
Hexachloropropene						
Indeno(1,2,3-cd)pyrene						
Iodomethane	<1	<1	<1	<1	<1	<1
Iron, total						
Isobutanol						
Isodrin						
Isophorone						
Isosafrole						
Kepone						
Lead, total	<4.000	<4.000	<4.000	<4.000	<4.000	<1.000
Magnesium, total						
Manganese, total						
Mercury, total						
Methacrylonitrile						
Methapyrilene						
Methoxychlor						
Methyl methacrylate						
Methyl methanesulfonate						
Methyl parathion						
Methylene bromide						
Methylene chloride	<5	<5	<5	<5	<5	<5
Naphthalene						
Nickel, total	48.0	29.4	8.2	29.3	17.5	31.8
Nitrate as n						
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						
P-(dimethylamino)azobenzene						
Parathion						
Pentachlorobenzene						
Pentachloronitrobenzene (pcnb)						
Pentachlorophenol						
Phenacetin						
Phenanthrene						
Phenol						
Phorate						
Potassium, total						
Pronamide						
Propionitrile						
Pyrene						
Safrole						
Selenium, total	<4	<4	<4	<4	<4	<2
Silver, total	<4	<4	<4	<4	<4	<5
Sodium, total						
Styrene	<1	<1	<1	<1	<1	<1
Sulfate						
Sulfide						
Tetrachloroethene	<1	<1	<1	<1	<1	<1
Thallium, total	<2.0	<2.0	<2.0	<2.0	<2.0	<5
Thionazin						
Tin, total						
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total organic carbon						
Total suspended solids						
Toxaphene						
Trans-1,2-dichloroethene	<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
Trichloroethene	<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

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

Table 9

Analytical Data Summary for MW-24

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	10/21/2014
Vinyl acetate	ug/L							<10
Vinyl chloride	ug/L							<1
Xylenes, total	ug/L							<3.0
Zinc, total	ug/L	<20.0	<20.0	87.5	76.2	<20.0		33.2

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

Table 9

Analytical Data Summary for MW-24

Constituents	6/22/2015	6/23/2015	11/12/2015	4/11/2016	4/12/2016	9/16/2016	3/15/2017	9/27/2017	3/14/2018
Vinyl acetate		<10	<10		<10	<5	<5	<5	<5
Vinyl chloride		<1	<1		<1	<1	<1	<1	<1
Xylenes, total		<3.0	<3.0		<3.0	2.2	2.3	<2.0	<2.0
Zinc, total		10.7	53.8		97.0	15.1	8.1	<8.0	8.7

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

Table 9

Analytical Data Summary for MW-24

Constituents	9/12/2018	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2.0	6.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Zinc, total	24.5	69.3	<20.0	<20.0	25.7	<20.0	<20.0	27.2	<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	9/28/2023	3/11/2024	10/2/2024	3/6/2025	9/16/2025
Vinyl acetate	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1
Xylenes, total	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	18.9

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

Table 9

Analytical Data Summary for MW-25

Constituents	Units	11/12/2015	2/1/2016	4/11/2016	4/12/2016	9/16/2016	3/15/2017	9/27/2017
(3,4)-methylphenol	ug/L						<8	
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-dichloroethene	ug/L	<2	<2		<2	<1	<1	<1
1,1-dichloropropene	ug/L						<1	
1,2,3-trichloropropane	ug/L	<1	<1		<1	<1	<1	<1
1,2,4,5-tetrachlorobenzene	ug/L						<8	
1,2,4-trichlorobenzene	ug/L						<1	
1,2-dibromo-3-chloropropane	ug/L	<.5	<.5		<.5	<1.0	<1.0	<1.0
1,2-dibromoethane	ug/L	<.13	<.13		<.13	<1.00	<1.00	<1.00
1,2-dichlorobenzene	ug/L	<1	<1		<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1		<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1		<1	<1	<1	<1
1,2-dinitrobenzene	ug/L						<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
1,4-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	ug/L	<10	<10		<10	<5	<5	<5
2-chloronaphthalene	ug/L						<8	
2-chlorophenol	ug/L						<8	
2-hexanone	ug/L	<10	<10		<10	<5	<5	<5
2-methylnaphthalene	ug/L						<8	
2-methylphenol (o-cresol)	ug/L						<8	
2-naphthylamine	ug/L						<8	
2-nitroaniline	ug/L						<8	
2-nitrophenol	ug/L						<8	
3,3'-dichlorobenzidine	ug/L						<8	
3,3-dimethylbenzidine	ug/L						<8	
3-methylcholanthrene	ug/L						<8	
3-nitroaniline	ug/L						<8	
4,4'-ddd	ug/L						<.05	
4,4'-dde	ug/L						<.05	
4,4'-ddt	ug/L						<.05	
4,6-dinitro-2-methylphenol	ug/L						<8	
4-aminobiphenyl	ug/L						<8	
4-bromophenyl phenyl ether	ug/L						<8	
4-chloro-3-methylphenol	ug/L						<8	
4-chloroaniline	ug/L						<8	
4-chlorophenyl phenyl ether	ug/L						<8	
4-methyl-2-pentanone	ug/L	<10	<10		<10	<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	13.1
Acetonitrile	ug/L						<10	
Acetophenone	ug/L						<8	
Acrolein	ug/L						<10	
Acrylonitrile	ug/L	<10	<10		<10	<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-25

Constituents	3/14/2018	9/12/2018	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022
(3,4)-methylphenol		<8							
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethene	<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	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-dibromoethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
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	<5	<5	<5	<5	<5	<5	<5	<5	<10
2-chloronaphthalene		<8							
2-chlorophenol		<8							
2-hexanone	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene		<8							
2-methylphenol (o-cresol)		<8							
2-naphthylamine		<8							
2-nitroaniline		<8							
2-nitrophenol		<8							
3,3'-dichlorobenzidine		<8							
3,3-dimethylbenzidine		<8							
3-methylcholanthrene		<8							
3-nitroaniline		<8							
4,4'-ddd		<.05							
4,4'-dde		<.05							
4,4'-ddt		<.05							
4,6-dinitro-2-methylphenol		<8							
4-aminobiphenyl		<8							
4-bromophenyl phenyl ether		<8							
4-chloro-3-methylphenol		<8							
4-chloroaniline		<8							
4-chlorophenyl phenyl ether		<8							
4-methyl-2-pentanone	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-nitroaniline		<8							
4-nitrophenol		<8							
5-nitro-o-toluidine		<8							
7,12-dimethylbenz [a] anthracene		<8							
Acenaphthene		<8							
Acenaphthylene		<8							
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acetonitrile		<10							
Acetophenone		<8							
Acrolein		<10							
Acrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5
Aldrin		<.05							
Allyl chloride		<1							
Alpha-bhc		<.05							
Anthracene		<8							

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

Table 9

Analytical Data Summary for MW-25

Constituents	8/30/2022	3/7/2023	9/28/2023	3/11/2024	10/2/2024	3/6/2025	9/16/2025
(3,4)-methylphenol							
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethene	<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	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-dibromoethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
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	<10	<10	<10	<10	<10	<10	<10
2-chloronaphthalene							
2-chlorophenol							
2-hexanone	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene							
2-methylphenol (o-cresol)							
2-naphthylamine							
2-nitroaniline							
2-nitrophenol							
3,3'-dichlorobenzidine							
3,3-dimethylbenzidine							
3-methylcholanthrene							
3-nitroaniline							
4,4'-ddd							
4,4'-dde							
4,4'-ddt							
4,6-dinitro-2-methylphenol							
4-aminobiphenyl							
4-bromophenyl phenyl ether							
4-chloro-3-methylphenol							
4-chloroaniline							
4-chlorophenyl phenyl ether							
4-methyl-2-pentanone	<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-25

Constituents	Units	11/12/2015	2/1/2016	4/11/2016	4/12/2016	9/16/2016	3/15/2017	9/27/2017
Antimony, total	ug/L	<6	<6		<1	<2	<2	<2
Arochlor 1016	ug/L						<.1	
Arochlor 1221	ug/L						<.2	
Arochlor 1232	ug/L						<.2	
Arochlor 1242	ug/L						<.2	
Arochlor 1248	ug/L						<.2	
Arochlor 1254	ug/L						<.1	
Arochlor 1260	ug/L						<.1	
Arsenic, total	ug/L	<10.00	4.03		5.04	<4.00	<4.00	<4.00
Azobenzene	ug/L						<8	
Barium, total	ug/L	38.4	52.4		34.5	29.4	33.8	32.0
Benzene	ug/L	<.5	<.5		<.5	<1.0	<1.0	<1.0
Benzo(a)anthracene	ug/L						<8	
Benzo(a)pyrene	ug/L						<8	
Benzo(b)fluoranthene	ug/L						<8	
Benzo(g,h,i)perylene	ug/L						<8	
Benzo(k)fluoranthene	ug/L						<8	
Benzyl alcohol	ug/L						<8	
Beryllium, total	ug/L	<1.0	<1.0		<1.0	<4.0	<4.0	<4.0
Beta-bhc	ug/L						<.05	
Bicarbonate alkalinity	mg/L as CaCO3	513 *						
Bis (2-chloroethoxy) methane	ug/L						<8	
Bis(2-chloroethyl) ether	ug/L						<8	
Bis(2-ethylhexyl) phthalate	ug/L						17	8
Bis[2-chloroisopropyl]ether	ug/L						<8	
Bromochloromethane	ug/L	<5	<5		<5	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1		<1	<1	<1	<1
Bromoform	ug/L	<5	<5		<5	<1	<1	<1
Bromomethane	ug/L	<4	<4		<4	<1	<1	<1
Butyl benzyl phthalate	ug/L						<8	
Cadmium, total	ug/L	<.5	<.5		<.5	<.8	<.8	<.8
Calcium, total	mg/L	520 *						
Carbon disulfide	ug/L	<1	<1		<1	<1	<1	<1
Carbon tetrachloride	ug/L	<2	<2		<2	<1	<1	<1
Carbonate alkalinity	mg/L as CaCO3	<5 *						
Chlordane	ug/L						<.1	
Chloride	mg/L	9.45 *						
Chlorobenzene	ug/L	<1	<1		<1	<1	<1	<1
Chlorobenzilate	ug/L						<8	
Chloroethane	ug/L	<4	<4		<4	<1	<1	<1
Chloroform	ug/L	<1	<1		<1	<1	<1	<1
Chloromethane	ug/L	<3	<3		<3	<1	<1	<1
Chloroprene	ug/L						<1	
Chromium, total	ug/L	<5.0	<5.0		<5.0	<8.0	<8.0	<8.0
Chrysene	ug/L						<8	
Cis-1,2-dichloroethene	ug/L	<1	<1		<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<5	<5		<5	<1	<1	<1
Cobalt, total	ug/L	4.86	9.31		8.82	2.10	10.40	2.60
Copper, total	ug/L	4.20	7.84		8.08	<4.00	<4.00	<4.00
Cyanide	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	<5	<5		<5	<1	<1	<1
Dibromomethane	ug/L					<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
Famphur	ug/L						<.4	
Fluoranthene	ug/L						<8	
Fluorene	ug/L						<8	

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

Table 9

Analytical Data Summary for MW-25

Constituents	3/14/2018	9/12/2018	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arochlor 1016		<1							
Arochlor 1221		<2							
Arochlor 1232		<2							
Arochlor 1242		<2							
Arochlor 1248		<2							
Arochlor 1254		<1							
Arochlor 1260		<1							
Arsenic, total	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Azobenzene		<8							
Barium, total	24.5	32.1	22.2	18.4	21.2	19.7	22.6	25.7	24.7
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(a)anthracene		<8							
Benzo(a)pyrene		<8							
Benzo(b)fluoranthene		<8							
Benzo(g,h,i)perylene		<8							
Benzo(k)fluoranthene		<8							
Benzyl alcohol		<8							
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Beta-bhc		<.05							
Bicarbonate alkalinity		<8							
Bis (2-chloroethoxy) methane		<8							
Bis(2-chloroethyl) ether		<6	<6	<6	<6				
Bis(2-ethylhexyl) phthalate	7	<6							
Bis[2-chloroisopropyl]ether		<8							
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butyl benzyl phthalate		<8							
Cadmium, total	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8	<.8
Calcium, total									
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbonate alkalinity									
Chlordane		<.1							
Chloride									
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate		<8							
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene		<1							
Chromium, total	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Chrysene		<8							
Cis-1,2-dichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	3.00	<.80	2.80	<.80	<.40	<.40	1.90	.40	1.80
Copper, total	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Cyanide		<.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							

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

Table 9

Analytical Data Summary for MW-25

Constituents	8/30/2022	3/7/2023	9/28/2023	3/11/2024	10/2/2024	3/6/2025	9/16/2025
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	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00
Azobenzene							
Barium, total	18.3	22.7	22.9	23.5	27.7	22.1	19.4
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(a)anthracene							
Benzo(a)pyrene							
Benzo(b)fluoranthene							
Benzo(g,h,i)perylene							
Benzo(k)fluoranthene							
Benzyl alcohol							
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<.5
Beta-bhc							
Bicarbonate alkalinity							
Bis (2-chloroethoxy) methane							
Bis(2-chloroethyl) ether							
Bis(2-ethylhexyl) phthalate							
Bis[2-chloroisopropyl]ether							
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
Calcium, total							
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1
Carbonate alkalinity							
Chlordane							
Chloride							
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	1.4
Chrysene							
Cis-1,2-dichloroethene	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.40	.90	.60	.80	<.40	<.40	<.50
Copper, total	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<5.00
Cyanide							
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							

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

Table 9

Analytical Data Summary for MW-25

Constituents	Units	11/12/2015	2/1/2016	4/11/2016	4/12/2016	9/16/2016	3/15/2017	9/27/2017
Gamma-bhc [lindane]	ug/L						<.05	
Heptachlor	ug/L						<.05	
Heptachlor epoxide	ug/L						<.05	
Hexachlorobenzene	ug/L						<.05	
Hexachlorobutadiene	ug/L						<8	
Hexachlorocyclopentadiene	ug/L						<8	
Hexachloroethane	ug/L						<8	
Hexachloropropene	ug/L						<8	
Indeno(1,2,3-cd)pyrene	ug/L						<8	
Iodomethane	ug/L	<10	<10		<10	<1	<1	<1
Isobutanol	mg/L						<1	
Isodrin	ug/L						<8	
Isophorone	ug/L						<8	
Isosafrole	ug/L						<8	
Kepone	ug/L						<8	
Lead, total	ug/L	2.40	4.35		8.22	<4.00	<4.00	<4.00
Magnesium, total	mg/L	202 *						
Mercury, total	ug/L						<.5	
Methacrylonitrile	ug/L						<1	
Methapyrilene	ug/L						<8	
Methoxychlor	ug/L						<.05	
Methyl methacrylate	ug/L						<1	
Methyl methanesulfonate	ug/L						<8	
Methyl parathion	ug/L						<.4	
Methylene bromide	ug/L	<1	<1		<1			
Methylene chloride	ug/L	<5	<5		<5	<5	<5	<5
Naphthalene	ug/L						<8	
Nickel, total	ug/L	27.1	28.0		21.7	18.1	26.5	18.9
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	
P-(dimethylamino)azobenzene	ug/L						<8	
Parathion	ug/L						<.4	
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	
Potassium, total	mg/L	8.41 *						
Pronamide	ug/L						<8	
Propionitrile	ug/L						<10	
Pyrene	ug/L						<8	
Safrole	ug/L						<8	
Selenium, total	ug/L	<5	<5		<5	<4	<4	<4
Silver, total	ug/L	<1	<1		<1	<4	<4	<4
Sodium, total	mg/L	39.1 *						
Styrene	ug/L	<1	<1		<1	<1	<1	<1
Sulfate	mg/L	1490 *						
Sulfide	mg/L						<.1	
Tetrachloroethene	ug/L	<1	<1		<1	<1	<1	<1
Thallium, total	ug/L	<2.0	<2.0		<2.0	<4.0	<4.0	<4.0
Thionazin	ug/L						<.4	
Tin, total	ug/L						<20	
Toluene	ug/L	<1	<1		<1	<1	<1	<1
Total suspended solids	mg/L	109 *	277 *	503	503	23	2070	
Toxaphene	ug/L						<.2	
Trans-1,2-dichloroethene	ug/L	<1	<1		<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<5	<5		<5	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<10	<10		<10	<5	<5	<5
Trichloroethene	ug/L	<1	<1		<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<4	<4		<4	<1	<1	<1
Vanadium, total	ug/L	<5.00	8.27		17.20	<20.00	<20.00	<20.00
Vinyl acetate	ug/L	<10	<10		<10	<5	<5	<5
Vinyl chloride	ug/L	<1	<1		<1	<1	<1	<1
Xylenes, total	ug/L	<3	<3		<3	<2	<2	<2
Zinc, total	ug/L	11.7	24.6		30.5	<8.0	8.4	9.0

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

Table 9

Analytical Data Summary for MW-25

Constituents	3/14/2018	9/12/2018	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022
Gamma-bhc [lindane]		<.05							
Heptachlor		<.05							
Heptachlor epoxide		<.05							
Hexachlorobenzene		<.05							
Hexachlorobutadiene		<8							
Hexachlorocyclopentadiene		<8							
Hexachloroethane		<8							
Hexachloropropene		<8							
Indeno(1,2,3-cd)pyrene		<8							
Iodomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Isobutanol		<1							
Isodrin		<8							
Isophorone		<8							
Isosafrole		<8							
Kepon		<8							
Lead, total	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Magnesium, total									
Mercury, total		<.5							
Methacrylonitrile		<1							
Methapyrilene		<8							
Methoxychlor		<.05							
Methyl methacrylate		<1							
Methyl methanesulfonate		<8							
Methyl parathion		<.4							
Methylene bromide									
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene		<8							
Nickel, total	9.7	18.3	15.4	4.9	9.7	4.2	15.6	8.4	10.5
Nitrobenzene		<8							
N-nitrosodiethylamine		<8							
N-nitrosodimethylamine		<8							
N-nitrosodi-n-butylamine		<8							
N-nitroso-di-n-propylamine		<8							
N-nitrosodiphenylamine		<8							
N-nitrosomethylethylamine		<8							
N-nitrosopiperidine		<8							
N-nitrosopyrrolidine		<8							
O,o,o-triethyl phosphorothioate		<.4							
O-toluidine		<8							
P-(dimethylamino)azobenzene		<8							
Parathion		<.4							
Pentachlorobenzene		<8							
Pentachloronitrobenzene (pcnb)		<8							
Pentachlorophenol		<8							
Phenacetin		<8							
Phenanthrene		<8							
Phenol		<8							
Phorate		<.4							
Potassium, total									
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
Sodium, total									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate									
Sulfide		<.1							
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Thionazin		<.4							
Tin, total		<20							
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total suspended solids									
Toxaphene		<.2							
Trans-1,2-dichloroethene	<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
Trichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
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	25.8	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-25

Constituents	8/30/2022	3/7/2023	9/28/2023	3/11/2024	10/2/2024	3/6/2025	9/16/2025
Gamma-bhc [lindane]							
Heptachlor							
Heptachlor epoxide							
Hexachlorobenzene							
Hexachlorobutadiene							
Hexachlorocyclopentadiene							
Hexachloroethane							
Hexachloropropene							
Indeno(1,2,3-cd)pyrene							
Iodomethane	<1	<1	<1	<1	<1	<1	<1
Isobutanol							
Isodrin							
Isophorone							
Isosafrole							
Kepone							
Lead, total	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<1.00
Magnesium, total							
Mercury, total							
Methacrylonitrile							
Methapyrilene							
Methoxychlor							
Methyl methacrylate							
Methyl methanesulfonate							
Methyl parathion							
Methylene bromide							
Methylene chloride	<5	<5	<5	<5	<5	<5	<5
Naphthalene							
Nickel, total	4.2	9.0	5.7	5.1	4.7	4.2	<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							
P-(dimethylamino)azobenzene							
Parathion							
Pentachlorobenzene							
Pentachloronitrobenzene (pcnb)							
Pentachlorophenol							
Phenacetin							
Phenanthrene							
Phenol							
Phorate							
Potassium, total							
Pronamide							
Propionitrile							
Pyrene							
Safrole							
Selenium, total	<4	<4	<4	<4	<4	<4	<2
Silver, total	<4	<4	<4	<4	<4	<4	<5
Sodium, total							
Styrene	<1	<1	<1	<1	<1	<1	<1
Sulfate							
Sulfide							
Tetrachloroethene	<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
Total suspended solids							
Toxaphene							
Trans-1,2-dichloroethene	<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
Trichloroethene	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<2.00
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	20.4

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

Table 9

Analytical Data Summary for MW-26

Constituents	Units	10/31/2016	3/16/2017	9/27/2017	3/14/2018	9/12/2018	4/1/2019	9/12/2019	5/6/2020	9/3/2020
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-dichloroethene	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	<5	<5
1,2-dibromoethane	ug/L	<1			<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1			<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1			<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1			<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1			<1	<1	<1	<1	<1	<1
2-butanone	ug/L	<5			<5	<5	<5	<5	<5	<5
2-hexanone	ug/L	<5			<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone	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	<2	<2
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	155	161	155	201	170	176	158	158	148
Benzene	ug/L	<1			<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
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	<.8	<.8
Carbon disulfide	ug/L	<1			<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1			<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1			<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1			<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1			<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1			<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethene	ug/L	<1			<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1			<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	<.8	<.8	<.8	<2.0	<.8	<.8	<.8	<.8	<.8
Copper, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Dibromochloromethane	ug/L	<1			<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1			<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1			<1	<1	<1	<1	<1	<1
Iodomethane	ug/L	<2			<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Methylene chloride	ug/L	<5			<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<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
Styrene	ug/L	<1			<1	<1	<1	<1	<1	<1
Tetrachloroethene	ug/L	<1			<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0
Toluene	ug/L	<1			<1	<1	<1	<1	<1	<1
Total suspended solids	mg/L	11	5							
Trans-1,2-dichloroethene	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
Trichloroethene	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	<20	<20
Vinyl acetate	ug/L	<10			<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1			<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2			<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<8.0	<8.0	<8.0	<8.0	<20.0	<20.0	12.5	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-26

Constituents	3/30/2021	9/8/2021	3/31/2022	8/30/2022	3/7/2023	9/28/2023	3/11/2024	10/2/2024	3/6/2025
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-dichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-butanone	<5	<5	<10	<10	<10	<10	<10	<10	<10
2-hexanone	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone	<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	154	141	178	156	174	170	188	150	178
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-dichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	<.4	<.4	<.4	<.4	<.4	<.4	<.4	<.4	<.4
Copper, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iodomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	<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
Total suspended solids									
Trans-1,2-dichloroethene	<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
Trichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-26

Constituents	9/16/2025
1,1,1,2-tetrachloroethane	<1
1,1,1-trichloroethane	<1
1,1,2,2-tetrachloroethane	<1
1,1,2-trichloroethane	<1
1,1-dichloroethane	<1
1,1-dichloroethene	<1
1,2,3-trichloropropane	<1
1,2-dibromo-3-chloropropane	<5
1,2-dibromoethane	<1
1,2-dichlorobenzene	<1
1,2-dichloroethane	<1
1,2-dichloropropane	<1
1,4-dichlorobenzene	<1
2-butanone	<10
2-hexanone	<5
4-methyl-2-pentanone	<5
Acetone	<10
Acrylonitrile	<5
Antimony, total	<1
Arsenic, total	<2
Barium, total	158
Benzene	<1
Beryllium, total	<.5
Bromochloromethane	<1
Bromodichloromethane	<1
Bromoform	<1
Bromomethane	<1
Cadmium, total	<.2
Carbon disulfide	<1
Carbon tetrachloride	<1
Chlorobenzene	<1
Chloroethane	<1
Chloroform	<1
Chloromethane	<1
Chromium, total	1.4
Cis-1,2-dichloroethene	<1
Cis-1,3-dichloropropene	<1
Cobalt, total	<.5
Copper, total	<5
Dibromochloromethane	<1
Dibromomethane	<1
Ethylbenzene	<1
Iodomethane	<1
Lead, total	<1
Methylene chloride	<5
Nickel, total	<5
Selenium, total	<2
Silver, total	<5
Styrene	<1
Tetrachloroethene	<1
Thallium, total	<.5
Toluene	<1
Total suspended solids	
Trans-1,2-dichloroethene	<1
Trans-1,3-dichloropropene	<1
Trans-1,4-dichloro-2-butene	<5
Trichloroethene	<1
Trichlorofluoromethane	<1
Vanadium, total	<2
Vinyl acetate	<5
Vinyl chloride	<1
Xylenes, total	<2
Zinc, total	14.2

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

Table 9

Analytical Data Summary for MW-27

Constituents	Units	10/31/2016	3/16/2017	9/27/2017	12/13/2017	3/14/2018	9/12/2018	4/1/2019	9/12/2019	5/6/2020
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-dichloroethene	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	ug/L	<5				<5	<5	<5	<5	<5
2-hexanone	ug/L	<5				<5	<5	<5	<5	<5
4-methyl-2-pentanone	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	<2	<2
Arsenic, total	ug/L	<4.0	9.3	84.4	8.8	43.9	26.3	51.3	18.8	9.2
Barium, total	ug/L	143	113	501	134	302	189	289	182	138
Benzene	ug/L	<1				<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L	<1				<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1				<1	<1	<1	<1	<1
Bromoform	ug/L	<1				<1	<1	<1	<1	<1
Bromomethane	ug/L	<1				<1	<1	<1	<1	<1
Cadmium, total	ug/L	<8	<8	<8		<8	<8	<8	<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	<8	<8
Cis-1,2-dichloroethene	ug/L	<1				<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1				<1	<1	<1	<1	<1
Cobalt, total	ug/L	<8	<8	1.3		<2.0	<8	.8	<8	1.0
Copper, total	ug/L	<4.0	<4.0	6.3		<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	ug/L	<1				<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1				<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1				<1	<1	<1	<1	<1
Iodomethane	ug/L	<1				<1	<1	<1	<1	<1
Lead, total	ug/L	<4	<4	<4		<4	<4	<4	<4	<4
Methylene chloride	ug/L	<5				<5	<5	<5	<5	<5
Nickel, total	ug/L	<4	<4	<4		<4	<4	<4	<4	<4
Selenium, total	ug/L	<4	<4	<4		<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4		<4	<4	<4	<4	<4
Styrene	ug/L	<1				<1	<1	<1	<1	<1
Tetrachloroethene	ug/L	<1				<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0		<4.0	<4.0	<2.0	<2.0	<2.0
Toluene	ug/L	<1				<1	<1	<1	<1	<1
Total suspended solids	mg/L	58	78							
Trans-1,2-dichloroethene	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
Trichloroethene	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	<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	<8.0	24.2	<8.0	<8.0	31.9	<20.0	8.2	<20.0

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

Table 9

Analytical Data Summary for MW-27

Constituents	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022	3/7/2023	9/28/2023	3/11/2024	10/2/2024	3/6/2025
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-dichloroethene	<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	<5	<5	<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	<5	<5	<5	<10	<10	<10	<10	<10	<10	<10
2-hexanone	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone	<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	<4.0	8.6	5.6	<4.0	13.5	<4.0	5.3	4.5	5.2	<4.0
Barium, total	124	127	111	106	134	107	112	104	111	102
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	<8	<8	<8	<8	<8	<8	<8	<8	<8
Cis-1,2-dichloroethene	<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	.8	.7	.6	.7	.6	.7	.6	.7	.4	.4
Copper, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iodomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	<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	<2.0	<2.0
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total suspended solids										
Trans-1,2-dichloroethene	<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
Trichloroethene	<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	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-27

Constituents	9/16/2025
1,1,1,2-tetrachloroethane	<1
1,1,1-trichloroethane	<1
1,1,2,2-tetrachloroethane	<1
1,1,2-trichloroethane	<1
1,1-dichloroethane	<1
1,1-dichloroethene	<1
1,2,3-trichloropropane	<1
1,2-dibromo-3-chloropropane	<5
1,2-dibromoethane	<1
1,2-dichlorobenzene	<1
1,2-dichloroethane	<1
1,2-dichloropropane	<1
1,4-dichlorobenzene	<1
2-butanone	<10
2-hexanone	<5
4-methyl-2-pentanone	<5
Acetone	<10
Acrylonitrile	<5
Antimony, total	<1
Arsenic, total	4.0
Barium, total	109
Benzene	<1
Beryllium, total	<.5
Bromochloromethane	<1
Bromodichloromethane	<1
Bromoform	<1
Bromomethane	<1
Cadmium, total	<.2
Carbon disulfide	<1
Carbon tetrachloride	<1
Chlorobenzene	<1
Chloroethane	<1
Chloroform	<1
Chloromethane	<1
Chromium, total	1
Cis-1,2-dichloroethene	<1
Cis-1,3-dichloropropene	<1
Cobalt, total	.6
Copper, total	<5.0
Dibromochloromethane	<1
Dibromomethane	<1
Ethylbenzene	<1
Iodomethane	<1
Lead, total	<1
Methylene chloride	<5
Nickel, total	<5
Selenium, total	<2
Silver, total	<5
Styrene	<1
Tetrachloroethene	<1
Thallium, total	<.5
Toluene	<1
Total suspended solids	
Trans-1,2-dichloroethene	<1
Trans-1,3-dichloropropene	<1
Trans-1,4-dichloro-2-butene	<5
Trichloroethene	<1
Trichlorofluoromethane	<1
Vanadium, total	<2
Vinyl acetate	<5
Vinyl chloride	<1
Xylenes, total	<2
Zinc, total	7.2

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

Table 9

Analytical Data Summary for MW-28

Constituents	Units	10/31/2016	3/16/2017	3/14/2018	9/12/2018	4/1/2019	5/6/2020	9/3/2020	3/30/2021	3/31/2022
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-dichloroethene	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	<5	<5	<5	<5
1,2-dibromoethane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
2-butanone	ug/L	<5		<5	<5	<5	<5	<5	<5	<10
2-hexanone	ug/L	<5		<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone	ug/L	<5		<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10		<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/L	<5		<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Barium, total	ug/L	37.1	71.6	50.3	37.0	35.1	26.2	24.6	27.2	31.1
Benzene	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromochloromethane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Cadmium, total	ug/L	<.8	<.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	<8
Cis-1,2-dichloroethene	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	.9	1.7	<2.0	<.8	<.8	<.4	<.4	.6	1.0
Copper, total	ug/L	<4	<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
Iodomethane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Lead, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Methylene chloride	ug/L	<5		<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	4.1	<4.0
Selenium, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Thallium, total	ug/L	<4	<4	<4	<4	<2	<2	<2	<2	<2
Toluene	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Total suspended solids	mg/L	692	14							
Trans-1,2-dichloroethene	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
Trichloroethene	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20
Vinyl acetate	ug/L	<5		<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1		<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/L	<2		<2	<2	<2	<2	<2	<2	<2
Zinc, total	ug/L	<8.0	<8.0	<8.0	33.2	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-28

Constituents	3/7/2023	3/11/2024	3/6/2025
1,1,1,2-tetrachloroethane	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1
1,1-dichloroethane	<1	<1	<1
1,1-dichloroethene	<1	<1	<1
1,2,3-trichloropropane	<1	<1	<1
1,2-dibromo-3-chloropropane	<5	<5	<5
1,2-dibromoethane	<1	<1	<1
1,2-dichlorobenzene	<1	<1	<1
1,2-dichloroethane	<1	<1	<1
1,2-dichloropropane	<1	<1	<1
1,4-dichlorobenzene	<1	<1	<1
2-butanone	<10	<10	<10
2-hexanone	<5	<5	<5
4-methyl-2-pentanone	<5	<5	<5
Acetone	<10	<10	<10
Acrylonitrile	<5	<5	<5
Antimony, total	<2	<2	<2
Arsenic, total	<4	<4	<4
Barium, total	27.3	26.5	28.0
Benzene	<1	<1	<1
Beryllium, total	<4	<4	<4
Bromochloromethane	<1	<1	<1
Bromodichloromethane	<1	<1	<1
Bromoform	<1	<1	<1
Bromomethane	<1	<1	<1
Cadmium, total	<.8	<.8	<.8
Carbon disulfide	<1	<1	<1
Carbon tetrachloride	<1	<1	<1
Chlorobenzene	<1	<1	<1
Chloroethane	<1	<1	<1
Chloroform	<1	<1	<1
Chloromethane	<1	<1	<1
Chromium, total	<8	<8	<8
Cis-1,2-dichloroethene	<1	<1	<1
Cis-1,3-dichloropropene	<1	<1	<1
Cobalt, total	.4	<.4	<.4
Copper, total	<4	<4	<4
Dibromochloromethane	<1	<1	<1
Dibromomethane	<1	<1	<1
Ethylbenzene	<1	<1	<1
Iodomethane	<1	<1	<1
Lead, total	<4	<4	<4
Methylene chloride	<5	<5	<5
Nickel, total	<4.0	<4.0	<4.0
Selenium, total	<4	<4	<4
Silver, total	<4	<4	<4
Styrene	<1	<1	<1
Tetrachloroethene	<1	<1	<1
Thallium, total	<2	<2	<2
Toluene	<1	<1	<1
Total suspended solids			
Trans-1,2-dichloroethene	<1	<1	<1
Trans-1,3-dichloropropene	<1	<1	<1
Trans-1,4-dichloro-2-butene	<5	<5	<5
Trichloroethene	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1
Vanadium, total	<20	<20	<20
Vinyl acetate	<5	<5	<5
Vinyl chloride	<1	<1	<1
Xylenes, total	<2	<2	<2
Zinc, total	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-41

Constituents	Units	10/2/2024	3/6/2025	9/16/2025
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1
1,1-dichloroethene	ug/L	<1	<1	<1
1,2,3-trichloropropane	ug/L	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L	<5	<5	<5
1,2-dibromoethane	ug/L	<1	<1	<1
1,2-dichlorobenzene	ug/L	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1
2-butanone	ug/L	<10	<10	<10
2-hexanone	ug/L	<5	<5	<5
4-methyl-2-pentanone	ug/L	<5	<5	<5
Acetone	ug/L	<10	<10	<10
Acrylonitrile	ug/L	<5	<5	<5
Antimony, total	ug/L	<2	<2	<1
Arsenic, total	ug/L	<4	<4	<2
Barium, total	ug/L	394	414	361
Benzene	ug/L	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<5
Bromochloromethane	ug/L	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1
Bromoform	ug/L	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1
Cadmium, total	ug/L	<.8	<.8	<2
Carbon disulfide	ug/L	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1
Chloroform	ug/L	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1
Chromium, total	ug/L	<8	<8	<1
Cis-1,2-dichloroethene	ug/L	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1
Cobalt, total	ug/L	1.0	.9	1.7
Copper, total	ug/L	<4	<4	<5
Dibromochloromethane	ug/L	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1
Iodomethane	ug/L	<1	<1	<1
Lead, total	ug/L	<4	<4	<1
Methylene chloride	ug/L	<5	<5	<5
Nickel, total	ug/L	<4	<4	<5
Selenium, total	ug/L	<4	<4	<2
Silver, total	ug/L	<4	<4	<5
Styrene	ug/L	<1	<1	<1
Tetrachloroethene	ug/L	<1	<1	<1
Thallium, total	ug/L	<2.0	<2.0	<5
Toluene	ug/L	<1	<1	<1
Trans-1,2-dichloroethene	ug/L	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L	<5	<5	<5
Trichloroethene	ug/L	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1
Vanadium, total	ug/L	<20	<20	<2
Vinyl acetate	ug/L	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1
Xylenes, total	ug/L	<2	<2	<2
Zinc, total	ug/L	<20.0	<20.0	15.4

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

Table 9

Analytical Data Summary for MW-6

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	6/22/2015	6/23/2015
1,1,1,2-tetrachloroethane	ug/L						<1		<1
1,1,1-trichloroethane	ug/L						<1		<1
1,1,2,2-tetrachloroethane	ug/L						<1		<1
1,1,2-trichloroethane	ug/L						<1		<1
1,1-dichloroethane	ug/L						<1		<1
1,1-dichloroethene	ug/L						<2		<2
1,2,3-trichloropropane	ug/L						<1		<1
1,2-dibromo-3-chloropropane	ug/L						<.12		<.50
1,2-dibromoethane	ug/L						<.13		<.13
1,2-dichlorobenzene	ug/L						<1		<1
1,2-dichloroethane	ug/L						<1		<1
1,2-dichloropropane	ug/L						<1		<1
1,4-dichlorobenzene	ug/L						<1		<1
2-butanone	ug/L						<10		<10
2-hexanone	ug/L						<10		<10
4-methyl-2-pentanone	ug/L						<10		<10
Acetone	ug/L						<10		<10
Acrylonitrile	ug/L						<10		<10
Ammonia as n	mg/L								<.2 *
Antimony, total	ug/L	<6	<6	<6	<6	<6	<6		<6
Arsenic, total	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	1.69		<2.00
Barium, total	ug/L	147	156	142	176	181	346		237
Benzene	ug/L						<.5		<.5
Beryllium, total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0
Bicarbonate alkalinity	mg/L as CaCO3								508 *
Bromochloromethane	ug/L						<5		<5
Bromodichloromethane	ug/L						<1		<1
Bromoform	ug/L						<5		<5
Bromomethane	ug/L						<4		<4
Cadmium, total	ug/L	<.5	<.5	<.5	<.5	<.5	<.5		<.5
Calcium, total	mg/L								136 *
Carbon disulfide	ug/L						<1		<1
Carbon tetrachloride	ug/L						<2		<2
Carbonate alkalinity	mg/L as CaCO3								<5 *
Chloride	mg/L								4.52 *
Chlorobenzene	ug/L						<1		<1
Chloroethane	ug/L						<4		<4
Chloroform	ug/L						<1		<1
Chloromethane	ug/L						<3		<3
Chromium, total	ug/L	52.4	<20.0	<20.0	<20.0	<20.0	<5.0		<5.0
Cis-1,2-dichloroethene	ug/L						<1		<1
Cis-1,3-dichloropropene	ug/L						<5		<5
Cobalt, total	ug/L	<20.00	<20.00	<1.32	<1.32	<7.00	7.43		<.80
Copper, total	ug/L	<20.00	<20.00	<20.00	<20.00	<20.00	25.70		<2.00
Cyanide	mg/L	<.01							
Dibromochloromethane	ug/L						<5		<5
Dibromomethane	ug/L								
Ethylbenzene	ug/L						<1		<1
Iodomethane	ug/L						<10		<10
Iron, total	ug/L								366 *
Lead, total	ug/L	<4.000	<4.000	<4.000	<4.000	<4.000	6.030		.608
Magnesium, total	mg/L								55.5 *
Manganese, total	ug/L								51.5 *
Mercury, total	ug/L	<.2							
Methylene bromide	ug/L						<1		<1
Methylene chloride	ug/L						<5		<5
Nickel, total	ug/L	<50.0	<50.0	<50.0	<50.0	<50.0	<30.0		<5.0
Nitrate as n	mg/L								<.1 *
Potassium, total	mg/L								<1.00 *
Selenium, total	ug/L	<5	<5	<5	<5	<5	<5		<5
Silver, total	ug/L	<20	<20	<20	<20	<20	<20		<1
Sodium, total	mg/L								9.37 *
Styrene	ug/L						<1		<1
Sulfate	mg/L								59.4 *
Sulfide	mg/L	<1	<1 *						
Tetrachloroethene	ug/L						<1		<1
Thallium, total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0		<1.0
Tin, total	ug/L	<100						<5	<5
Toluene	ug/L						<1		<1
Total organic carbon	mg/L								<1.00 *
Total suspended solids	mg/L						512.0 *	53.5	56.5 *
Trans-1,2-dichloroethene	ug/L						<1		<1
Trans-1,3-dichloropropene	ug/L						<5		<5
Trans-1,4-dichloro-2-butene	ug/L						<10		<10
Trichloroethene	ug/L						<1		<1
Trichlorofluoromethane	ug/L						<4		<4
Vanadium, total	ug/L	<50	<50	<50	<50	<50	<20		<5

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

Table 9

Analytical Data Summary for MW-6

Constituents	11/12/2015	11/13/2015	4/11/2016	9/16/2016	3/15/2017	9/27/2017	9/12/2018	4/1/2019	9/12/2019
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-dichloroethene		<2	<2	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane		<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane		<.50	<.50	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-dibromoethane		<.13	<.13	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-dichlorobenzene		<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane		<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane		<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene		<1	<1	<1	<1	<1	<1	<1	<1
2-butanone		<10	<10	<5	<5	<5	<5	<5	<5
2-hexanone		<10	<10	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone		<10	<10	<5	<5	<5	<5	<5	<5
Acetone		<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile		<10	<10	<5	<5	<5	<5	<5	<5
Ammonia as n		<.2 *	<.2 *						
Antimony, total		<6	<6	<2	<2	<2	<2	<2	<2
Arsenic, total		<2.00	<10.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Barium, total		294	279	316	326	193	333	409	349
Benzene		<.5	<.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Beryllium, total		<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bicarbonate alkalinity		557 *							
Bromochloromethane		<5	<5	<1	<1	<1	<1	<1	<1
Bromodichloromethane		<1	<1	<1	<1	<1	<1	<1	<1
Bromoform		<5	<5	<1	<1	<1	<1	<1	<1
Bromomethane		<4	<4	<1	<1	<1	<1	<1	<1
Cadmium, total		<.5	<.5	<.8	<.8	<.8	<.8	<.8	<.8
Calcium, total		161 *							
Carbon disulfide		<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride		<2	<2	<1	<1	<1	<1	<1	<1
Carbonate alkalinity		<5 *							
Chloride		6.64 *							
Chlorobenzene		<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane		<4	<4	<1	<1	<1	<1	<1	<1
Chloroform		<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane		<3	<3	<1	<1	<1	<1	<1	<1
Chromium, total		<5.0	<5.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethene		<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene		<5	<5	<1	<1	<1	<1	<1	<1
Cobalt, total		<.80	<.80	<.80	<.80	<.80	<.80	<.80	<.80
Copper, total		2.68	<2.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Cyanide									
Dibromochloromethane		<5	<5	<1	<1	<1	<1	<1	<1
Dibromomethane				<1	<1	<1	<1	<1	<1
Ethylbenzene		<1	<1	<1	<1	<1	<1	<1	<1
Iodomethane		<10	<10	<1	<1	<1	<1	<1	<1
Iron, total		337 *	248 *						
Lead, total		.503	<.500	<4.000	<4.000	<4.000	<4.000	<4.000	<4.000
Magnesium, total		62.4 *							
Manganese, total		67.9 *	54.4 *						
Mercury, total									
Methylene bromide		<1	<1						
Methylene chloride		<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total		<5.0	<5.0	<4.0	<4.0	<4.0	7.8	8.4	7.3
Nitrate as n		<.1 *	<.1 *						
Potassium, total		1.08 *							
Selenium, total		<5	<5	<4	<4	<4	<4	<4	<4
Silver, total		<1	<1	<4	<4	<4	<4	<4	<4
Sodium, total		15.10 *							
Styrene		<1	<1	<1	<1	<1	<1	<1	<1
Sulfate		49.6 *	103.0 *						
Sulfide									
Tetrachloroethene		<1	<1	<1	<1	<1	<1	<1	<1
Thallium, total		<1.0	<2.0	<4.0	<4.0	<4.0	<4.0	<2.0	<2.0
Tin, total									
Toluene		<1	<1	<1	<1	<1	<1	<1	<1
Total organic carbon		2.88 *	<1.00 *						
Total suspended solids	47.1	47.1	14.0 *	3.0	18.0				
Trans-1,2-dichloroethene		<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene		<5	<5	<1	<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene		<10	<10	<5	<5	<5	<5	<5	<5
Trichloroethene		<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane		<4	<4	<1	<1	<1	<1	<1	<1
Vanadium, total		<5	<5	<20	<20	<20	<20	<20	<20

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

Table 9

Analytical Data Summary for MW-6

Constituents	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022	3/7/2023	9/28/2023	3/11/2024	10/2/2024
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-dichloroethene	<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	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
1,2-dibromoethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
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	<5	<5	<5	<5	<10	<10	<10	<10	<10	<10
2-hexanone	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone	<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
Ammonia as n										
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Barium, total	477	299	264	197	227	208	253	237	285	233
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Beryllium, total	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bicarbonate alkalinity										
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
Calcium, total										
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbonate alkalinity										
Chloride										
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-dichloroethene	<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	<.40	<.40	<.40	<.40	1.10	<.40	11.40	1.80	2.30	1.50
Copper, total	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	15.00	<4.00
Cyanide										
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
Iodomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iron, total										
Lead, total	<4.000	<4.000	<4.000	<4.000	<4.000	<4.000	<4.000	<4.000	<4.000	<4.000
Magnesium, total										
Manganese, total										
Mercury, total										
Methylene bromide										
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	6.9	5.5	5.0	5.7	9.9	11.3	29.5	25.3	16.4	14.6
Nitrate as n										
Potassium, total										
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Sodium, total										
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate										
Sulfide										
Tetrachloroethene	<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	<2.0	<2.0
Tin, total										
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total organic carbon										
Total suspended solids										
Trans-1,2-dichloroethene	<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
Trichloroethene	<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

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

Table 9

Analytical Data Summary for MW-6

Constituents	9/16/2025
1,1,1,2-tetrachloroethane	<1
1,1,1-trichloroethane	<1
1,1,2,2-tetrachloroethane	<1
1,1,2-trichloroethane	<1
1,1-dichloroethane	<1
1,1-dichloroethene	<1
1,2,3-trichloropropane	<1
1,2-dibromo-3-chloropropane	<5.00
1,2-dibromoethane	<1.00
1,2-dichlorobenzene	<1
1,2-dichloroethane	<1
1,2-dichloropropane	<1
1,4-dichlorobenzene	<1
2-butanone	<10
2-hexanone	<5
4-methyl-2-pentanone	<5
Acetone	<10
Acrylonitrile	<5
Ammonia as n	
Antimony, total	<1
Arsenic, total	<2.00
Barium, total	184
Benzene	<1.0
Beryllium, total	<.5
Bicarbonate alkalinity	
Bromochloromethane	<1
Bromodichloromethane	<1
Bromoform	<1
Bromomethane	<1
Cadmium, total	.3
Calcium, total	
Carbon disulfide	<1
Carbon tetrachloride	<1
Carbonate alkalinity	
Chloride	
Chlorobenzene	<1
Chloroethane	<1
Chloroform	<1
Chloromethane	<1
Chromium, total	1.1
Cis-1,2-dichloroethene	<1
Cis-1,3-dichloropropene	<1
Cobalt, total	<.50
Copper, total	5.90
Cyanide	
Dibromochloromethane	<1
Dibromomethane	<1
Ethylbenzene	<1
Iodomethane	<1
Iron, total	
Lead, total	<1.000
Magnesium, total	
Manganese, total	
Mercury, total	
Methylene bromide	
Methylene chloride	<5
Nickel, total	43.5
Nitrate as n	
Potassium, total	
Selenium, total	<2
Silver, total	<5
Sodium, total	
Styrene	<1
Sulfate	
Sulfide	
Tetrachloroethene	<1
Thallium, total	<.5
Tin, total	
Toluene	<1
Total organic carbon	
Total suspended solids	
Trans-1,2-dichloroethene	<1
Trans-1,3-dichloropropene	<1
Trans-1,4-dichloro-2-butene	<5
Trichloroethene	<1
Trichlorofluoromethane	<1
Vanadium, total	<2

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

Table 9

Analytical Data Summary for MW-6

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	6/22/2015	6/23/2015
Vinyl acetate	ug/L						<10		<10
Vinyl chloride	ug/L						<1		<1
Xylenes, total	ug/L						<3		<3
Zinc, total	ug/L	<20.0	<20.0	<20.0	40.0	22.1	22.6		<10.0

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

Table 9

Analytical Data Summary for MW-6

Constituents	11/12/2015	11/13/2015	4/11/2016	9/16/2016	3/15/2017	9/27/2017	9/12/2018	4/1/2019	9/12/2019
Vinyl acetate		<10	<10	<5	<5	<5	<5	<5	<5
Vinyl chloride		<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total		<3	<3	<2	<2	<2	<2	<2	<2
Zinc, total		<10.0	<10.0	21.7	<8.0	10.1	21.6	44.1	<8.0

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

Table 9

Analytical Data Summary for MW-6

Constituents	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022	3/7/2023	9/28/2023	3/11/2024	10/2/2024
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	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-6

Constituents	9/16/2025
Vinyl acetate	<5
Vinyl chloride	<1
Xylenes, total	<2
Zinc, total	15.5

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

Table 9

Analytical Data Summary for MW-7

Constituents	Units	3/15/2017	5/9/2017	9/27/2017	12/13/2017	3/14/2018	9/12/2018	4/1/2019	9/12/2019	5/6/2020
1,1,1,2-tetrachloroethane	ug/L					<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L					<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L					<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L					<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L					<1	<1	<1	<1	<1
1,1-dichloroethene	ug/L					<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L					<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	ug/L					<1	<1	<1	<1	<5
1,2-dibromoethane	ug/L					<1	<1	<1	<1	<1
1,2-dichlorobenzene	ug/L					<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L					<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L					<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L					<1	<1	<1	<1	<1
2-butanone	ug/L					<5	<5	<5	<5	<5
2-hexanone	ug/L					<5	<5	<5	<5	<5
4-methyl-2-pentanone	ug/L					<5	<5	<5	<5	<5
Acetone	ug/L					<10	<10	<10	<10	<10
Acrylonitrile	ug/L					<5	<5	<5	<5	<5
Antimony, total	ug/L	<2		<2		<2	<2	<2	<2	<2
Arsenic, total	ug/L	6.5	<4.0	<4.0		<4.0	6.3	<4.0	13.9	<4.0
Barium, total	ug/L	331	224	380		214	325	235	386	191
Benzene	ug/L					<1	<1	<1	<1	<1
Beryllium, total	ug/L	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0
Bromochloromethane	ug/L					<1	<1	<1	<1	<1
Bromodichloromethane	ug/L					<1	<1	<1	<1	<1
Bromoform	ug/L					<1	<1	<1	<1	<1
Bromomethane	ug/L					<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
Carbon tetrachloride	ug/L					<1	<1	<1	<1	<1
Chlorobenzene	ug/L					<1	<1	<1	<1	<1
Chloroethane	ug/L					<1	<1	<1	<1	<1
Chloroform	ug/L					<1	<1	<1	<1	<1
Chloromethane	ug/L					<1	<1	<1	<1	<1
Chromium, total	ug/L	16.5	<8.0	<8.0		<8.0	14.6	<8.0	31.6	<8.0
Cis-1,2-dichloroethene	ug/L					<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L					<1	<1	<1	<1	<1
Cobalt, total	ug/L	5.9	<.8	3.4		<2.0	5.8	1.9	12.2	.4
Copper, total	ug/L	13.7	<4.0	10.6		<4.0	12.7	<4.0	25.8	<4.0
Dibromochloromethane	ug/L					<1	<1	<1	<1	<1
Dibromomethane	ug/L					<1	<1	<1	<1	<1
Ethylbenzene	ug/L					<1	<1	<1	<1	<1
Iodomethane	ug/L					<1	<1	<1	<1	<1
Lead, total	ug/L	6.8	<4.0	<4.0		<4.0	6.6	<4.0	13.1	<4.0
Methylene chloride	ug/L					<5	<5	<5	<5	<5
Nickel, total	ug/L	19.0	<4.0	11.4	<4.0	<4.0	17.4	7.4	34.2	<4.0
Selenium, total	ug/L	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0
Silver, total	ug/L	<4	<4	<4		<4	<4	<4	<4	<4
Styrene	ug/L					<1	<1	<1	<1	<1
Tetrachloroethene	ug/L					<1	<1	<1	<1	<1
Thallium, total	ug/L	<4.0	<4.0	<4.0		<4.0	<4.0	<2.0	<2.0	<2.0
Toluene	ug/L					<1	<1	<1	<1	<1
Total suspended solids	mg/L	253								
Trans-1,2-dichloroethene	ug/L					<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L					<1	<1	<1	<1	<1
Trans-1,4-dichloro-2-butene	ug/L					<5	<5	<5	<5	<5
Trichloroethene	ug/L					<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L					<1	<1	<1	<1	<1
Vanadium, total	ug/L	26.5	<20.0	<20.0		<20.0	23.0	<20.0	55.0	<20.0
Vinyl acetate	ug/L					<5	<5	<5	<5	<5
Vinyl chloride	ug/L					<1	<1	<1	<1	<1
Xylenes, total	ug/L					<2	<2	<2	<2	<2
Zinc, total	ug/L	34.2	<8.0	26.9	<8.0	<8.0	63.4	28.5	69.0	<20.0

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

Table 9

Analytical Data Summary for MW-7

Constituents	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022	3/7/2023	9/28/2023	3/11/2024	10/2/2024	3/6/2025
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-dichloroethene	<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	<5	<5	<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	<5	<5	<5	<10	<10	<10	<10	<10	<10	<10
2-hexanone	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone	<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	<4.0	35.8	<4.0	18.6	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Barium, total	172	880	163	569	211	166	161	168	162	148
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	1.7	<8	1.0	<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	77.5	<8.0	49.5	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Cis-1,2-dichloroethene	<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	<4	39.3	<4	22.9	2.1	<4	<4	<4	<4	<4
Copper, total	<4.0	83.4	<4.0	47.2	4.8	<4.0	4.1	<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
Iodomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead, total	<4.0	43.4	<4.0	25.8	5.5	<4.0	<4.0	<4.0	<4.0	<4.0
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	<4.0	105.0	<4.0	61.9	6.5	<4.0	<4.0	<4.0	4.1	<4.0
Selenium, total	<4.0	5.8	<4.0	6.2	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	<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	<2.0	<2.0
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total suspended solids										
Trans-1,2-dichloroethene	<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
Trichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium, total	<20.0	120.0	<20.0	75.9	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
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	<20.0	615.0	<20.0	116.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0

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

Table 9

Analytical Data Summary for MW-7

Constituents	9/16/2025
1,1,1,2-tetrachloroethane	<1
1,1,1-trichloroethane	<1
1,1,2,2-tetrachloroethane	<1
1,1,2-trichloroethane	<1
1,1-dichloroethane	<1
1,1-dichloroethene	<1
1,2,3-trichloropropane	<1
1,2-dibromo-3-chloropropane	<5
1,2-dibromoethane	<1
1,2-dichlorobenzene	<1
1,2-dichloroethane	<1
1,2-dichloropropane	<1
1,4-dichlorobenzene	<1
2-butanone	<10
2-hexanone	<5
4-methyl-2-pentanone	<5
Acetone	<10
Acrylonitrile	<5
Antimony, total	<1
Arsenic, total	<2.0
Barium, total	173
Benzene	<1
Beryllium, total	<.5
Bromochloromethane	<1
Bromodichloromethane	<1
Bromoform	<1
Bromomethane	<1
Cadmium, total	<.2
Carbon disulfide	<1
Carbon tetrachloride	<1
Chlorobenzene	<1
Chloroethane	<1
Chloroform	<1
Chloromethane	<1
Chromium, total	<1.0
Cis-1,2-dichloroethene	<1
Cis-1,3-dichloropropene	<1
Cobalt, total	<.5
Copper, total	<5.0
Dibromochloromethane	<1
Dibromomethane	<1
Ethylbenzene	<1
Iodomethane	<1
Lead, total	<1.0
Methylene chloride	<5
Nickel, total	<5.0
Selenium, total	<2.0
Silver, total	<5
Styrene	<1
Tetrachloroethene	<1
Thallium, total	<.5
Toluene	<1
Total suspended solids	
Trans-1,2-dichloroethene	<1
Trans-1,3-dichloropropene	<1
Trans-1,4-dichloro-2-butene	<5
Trichloroethene	<1
Trichlorofluoromethane	<1
Vanadium, total	<2.0
Vinyl acetate	<5
Vinyl chloride	<1
Xylenes, total	<2
Zinc, total	8.5

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

Table 9

Analytical Data Summary for MW-9

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	10/21/2014
(3,4)-methylphenol	ug/L							<1
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-dichloroethene	ug/L							<2
1,1-dichloropropene	ug/L							
1,2,3-trichloropropane	ug/L							<1
1,2,4,5-tetrachlorobenzene	ug/L							
1,2,4-trichlorobenzene	ug/L							
1,2-dibromo-3-chloropropane	ug/L							<.12
1,2-dibromoethane	ug/L							<.13
1,2-dichlorobenzene	ug/L							<1
1,2-dichloroethane	ug/L							<1
1,2-dichloropropane	ug/L							<1
1,2-dinitrobenzene	ug/L							
1,3,5-trinitrobenzene	ug/L							
1,3-dichlorobenzene	ug/L							
1,3-dichloropropane	ug/L							
1,3-dinitrobenzene	ug/L							
1,4-dichlorobenzene	ug/L							<1
1,4-naphthoquinone	ug/L							
1,4-phenylenediamine	ug/L							
1-naphthylamine	ug/L							
2,2-dichloropropane	ug/L							
2,3,4,6-tetrachlorophenol	ug/L							
2,4,5-t	ug/L							
2,4,5-tp (silvex)	ug/L							
2,4,5-trichlorophenol	ug/L							
2,4,6-trichlorophenol	ug/L							
2,4-d	ug/L							
2,4-dichlorophenol	ug/L							
2,4-dimethylphenol	ug/L							
2,4-dinitrophenol	ug/L							
2,4-dinitrotoluene	ug/L							
2,6-dichlorophenol	ug/L							
2,6-dinitrotoluene	ug/L							
2-acetylaminofluorene	ug/L							
2-butanone	ug/L							<10
2-chloronaphthalene	ug/L							
2-chlorophenol	ug/L							
2-hexanone	ug/L							<10
2-methylnaphthalene	ug/L							
2-methylphenol (o-cresol)	ug/L							
2-naphthylamine	ug/L							
2-nitroaniline	ug/L							
2-nitrophenol	ug/L							
3,3'-dichlorobenzidine	ug/L							
3,3-dimethylbenzidine	ug/L							
3-methylcholanthrene	ug/L							
3-nitroaniline	ug/L							
4,4'-ddd	ug/L							
4,4'-dde	ug/L							
4,4'-ddt	ug/L							
4,6-dinitro-2-methylphenol	ug/L							
4-aminobiphenyl	ug/L							
4-bromophenyl phenyl ether	ug/L							
4-chloro-3-methylphenol	ug/L							
4-chloroaniline	ug/L							
4-chlorophenyl phenyl ether	ug/L							
4-methyl-2-pentanone	ug/L							<10
4-nitroaniline	ug/L							
4-nitrophenol	ug/L							
5-nitro-o-toluidine	ug/L							
7,12-dimethylbenz [a] anthracene	ug/L							
Acenaphthene	ug/L							
Acenaphthylene	ug/L							
Acetone	ug/L							<10.0
Acetonitrile	ug/L							
Acetophenone	ug/L							
Acrolein	ug/L							
Acrylonitrile	ug/L							<10
Aldrin	ug/L							
Allyl chloride	ug/L							
Alpha-bhc	ug/L							
Anthracene	ug/L							

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

Table 9

Analytical Data Summary for MW-9

Constituents	6/22/2015	11/12/2015	4/11/2016	9/16/2016	3/15/2017	9/27/2017	12/13/2017	3/14/2018	9/12/2018
(3,4)-methylphenol					<8				
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1		<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1		<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1		<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1		<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1		<1	<1
1,1-dichloroethene	<2	<2	<2	<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	<.50	<.50	<.50	<1.00	<1.00	<1.00		<1.00	<1.00
1,2-dibromoethane	<.13	<.13	<.13	<1.00	<1.00	<1.00		<1.00	<1.00
1,2-dichlorobenzene	<1	<1	<1	<1	<1	<1		<1	<1
1,2-dichloroethane	<1	<1	<1	<1	<1	<1		<1	<1
1,2-dichloropropane	<1	<1	<1	<1	<1	<1		<1	<1
1,2-dinitrobenzene					<8				
1,3,5-trinitrobenzene					<8				
1,3-dichlorobenzene					<1				
1,3-dichloropropane					<1				
1,3-dinitrobenzene					<8				
1,4-dichlorobenzene	<1	<1	<1	<1	<1	<1		<1	<1
1,4-naphthoquinone					<8				
1,4-phenylenediamine					<8				
1-naphthylamine					<8				
2,2-dichloropropane					<1				
2,3,4,6-tetrachlorophenol					<8				
2,4,5-t					<.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	<10	<10	<10	<5	<5	<5		<5	<5
2-chloronaphthalene					<8				
2-chlorophenol					<8				
2-hexanone	<10	<10	<10	<5	<5	<5		<5	<5
2-methylnaphthalene					<8				
2-methylphenol (o-cresol)					<8				
2-naphthylamine					<8				
2-nitroaniline					<8				
2-nitrophenol					<8				
3,3'-dichlorobenzidine					<8				
3,3-dimethylbenzidine					<8				
3-methylcholanthrene					<8				
3-nitroaniline					<8				
4,4'-ddd					<.05				
4,4'-dde					<.05				
4,4'-ddt					<.05				
4,6-dinitro-2-methylphenol					<8				
4-aminobiphenyl					<8				
4-bromophenyl phenyl ether					<8				
4-chloro-3-methylphenol					<8				
4-chloroaniline					<8				
4-chlorophenyl phenyl ether					<8				
4-methyl-2-pentanone	<10	<10	<10	<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	17.4		<10.0	<10.0
Acetonitrile					<10				
Acetophenone					<8				
Acrolein					<10				
Acrylonitrile	<10	<10	<10	<5	<5	<5		<5	<5
Aldrin					<.05				
Allyl chloride					<1				
Alpha-bhc					<.05				
Anthracene					<8				

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

Table 9

Analytical Data Summary for MW-9

Constituents	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022	11/11/2022
(3,4)-methylphenol									
1,1,1,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethene	<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	<1.00	<1.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
1,2-dibromoethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
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	<5	<5	<5	<5	<5	<5	<10	<10	<10
2-chloronaphthalene									
2-chlorophenol									
2-hexanone	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-methylnaphthalene									
2-methylphenol (o-cresol)									
2-naphthylamine									
2-nitroaniline									
2-nitrophenol									
3,3'-dichlorobenzidine									
3,3-dimethylbenzidine									
3-methylcholanthrene									
3-nitroaniline									
4,4'-ddd									
4,4'-dde									
4,4'-ddt									
4,6-dinitro-2-methylphenol									
4-aminobiphenyl									
4-bromophenyl phenyl ether									
4-chloro-3-methylphenol									
4-chloroaniline									
4-chlorophenyl phenyl ether									
4-methyl-2-pentanone	<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-9

Constituents	3/7/2023	6/6/2023	9/28/2023	3/11/2024
(3,4)-methylphenol			<8	
1,1,1,2-tetrachloroethane	<1		<1	<1
1,1,1-trichloroethane	<1		<1	<1
1,1,2,2-tetrachloroethane	<1		<1	<1
1,1,2-trichloroethane	<1		<1	<1
1,1-dichloroethane	<1		<1	<1
1,1-dichloroethene	<1		<1	<1
1,1-dichloropropene			<1	
1,2,3-trichloropropane	<1		<1	<1
1,2,4,5-tetrachlorobenzene			<8	
1,2,4-trichlorobenzene			<1	
1,2-dibromo-3-chloropropane	<5.00		<1.00	<5.00
1,2-dibromoethane	<1.00		<1.00	<1.00
1,2-dichlorobenzene	<1		<1	<1
1,2-dichloroethane	<1		<1	<1
1,2-dichloropropane	<1		<1	<1
1,2-dinitrobenzene			<8	
1,3,5-trinitrobenzene			<8	
1,3-dichlorobenzene			<1	
1,3-dichloropropane			<1	
1,3-dinitrobenzene			<8	
1,4-dichlorobenzene	<1		<1	<1
1,4-naphthoquinone			<8	
1,4-phenylenediamine			<8	
1-naphthylamine			<8	
2,2-dichloropropane			<1	
2,3,4,6-tetrachlorophenol			<8	
2,4,5-t			<5	
2,4,5-tp (silvex)			<5	
2,4,5-trichlorophenol			<8	
2,4,6-trichlorophenol			<8	
2,4-d			<2	
2,4-dichlorophenol			<8	
2,4-dimethylphenol			<8	
2,4-dinitrophenol			<8	
2,4-dinitrotoluene			<8	
2,6-dichlorophenol			<8	
2,6-dinitrotoluene			<8	
2-acetylaminofluorene			<8	
2-butanone	<10		<5	<10
2-chloronaphthalene			<8	
2-chlorophenol			<8	
2-hexanone	<5		<5	<5
2-methylnaphthalene			<8	
2-methylphenol (o-cresol)			<8	
2-naphthylamine			<8	
2-nitroaniline			<8	
2-nitrophenol			<8	
3,3'-dichlorobenzidine			<8	
3,3-dimethylbenzidine			<8	
3-methylcholanthrene			<8	
3-nitroaniline			<8	
4,4'-ddd			<.05	
4,4'-dde			<.05	
4,4'-ddt			<.05	
4,6-dinitro-2-methylphenol			<8	
4-aminobiphenyl			<8	
4-bromophenyl phenyl ether			<8	
4-chloro-3-methylphenol			<8	
4-chloroaniline			<8	
4-chlorophenyl phenyl ether			<8	
4-methyl-2-pentanone	<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
Acetonitrile			<10	
Acetophenone			<8	
Acrolein			<10	
Acrylonitrile	<5		<5	<5
Aldrin			<.05	
Allyl chloride			<1	
Alpha-bhc			<.05	
Anthracene			<8	

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

Table 9

Analytical Data Summary for MW-9

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	10/21/2014
Antimony, total	ug/L	<6	<6	<6	<6	<6		<6
Arochlor 1016	ug/L							
Arochlor 1221	ug/L							
Arochlor 1232	ug/L							
Arochlor 1242	ug/L							
Arochlor 1248	ug/L							
Arochlor 1254	ug/L							
Arochlor 1260	ug/L							
Arsenic, total	ug/L	6.15	6.43	7.80	8.14	5.67		16.30
Azobenzene	ug/L							
Barium, total	ug/L	505	571	358	531	484		687
Benzene	ug/L							<.5
Benzo(a)anthracene	ug/L							
Benzo(a)pyrene	ug/L							
Benzo(b)fluoranthene	ug/L							
Benzo(g,h,i)perylene	ug/L							
Benzo(k)fluoranthene	ug/L							
Benzyl alcohol	ug/L							
Beryllium, total	ug/L	<1	<1	<1	<1	<1		<1
Beta-bhc	ug/L							
Bicarbonate alkalinity	mg/L as CaCO3							
Bis (2-chloroethoxy) methane	ug/L							
Bis(2-chloroethyl) ether	ug/L							
Bis(2-ethylhexyl) phthalate	ug/L							
Bis[2-chloroisopropyl]ether	ug/L							
Bromochloromethane	ug/L							<5
Bromodichloromethane	ug/L							<1
Bromoform	ug/L							<5
Bromomethane	ug/L							<4
Butyl benzyl phthalate	ug/L							
Cadmium, total	ug/L	<.50	<.50	<.50	<.50	<.50		4.44
Calcium, total	mg/L							
Carbon disulfide	ug/L							<1
Carbon tetrachloride	ug/L							<2
Carbonate alkalinity	mg/L as CaCO3							
Chlordane	ug/L							
Chloride	mg/L							
Chlorobenzene	ug/L							<1
Chlorobenzilate	ug/L							
Chloroethane	ug/L							<4
Chloroform	ug/L							<1
Chloromethane	ug/L							<3
Chloroprene	ug/L							
Chromium, total	ug/L	<20	<20	<20	<20	<20		<20
Chrysene	ug/L							
Cis-1,2-dichloroethene	ug/L							<1
Cis-1,3-dichloropropene	ug/L							<5
Cobalt, total	ug/L	<20.00	<20.00	3.51	2.92	<7.00		10.30
Copper, total	ug/L	<20.00	<20.00	<20.00	<20.00	<20.00		37.50
Cyanide	mg/L	<.010						
Delta-bhc	ug/L							
Diallate	ug/L							
Dibenzo(a,h)anthracene	ug/L							
Dibenzofuran	ug/L							
Dibromochloromethane	ug/L							<5
Dibromomethane	ug/L							
Dichlorodifluoromethane	ug/L							<3
Dieldrin	ug/L							
Diethyl phthalate	ug/L							
Dimethoate	ug/L							
Dimethylphthalate	ug/L							
Di-n-butyl phthalate	ug/L							
Di-n-octyl phthalate	ug/L							
Dinoseb	ug/L							
Diphenylamine	ug/L							
Disulfoton	ug/L							
Endosulfan i	ug/L							
Endosulfan ii	ug/L							
Endosulfan sulfate	ug/L							
Endrin	ug/L							
Endrin aldehyde	ug/L							
Ethyl methacrylate	ug/L							
Ethyl methanesulfonate	ug/L							
Ethylbenzene	ug/L							<1
Famphur	ug/L							
Fluoranthene	ug/L							
Fluorene	ug/L							

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

Table 9

Analytical Data Summary for MW-9

Constituents	6/22/2015	11/12/2015	4/11/2016	9/16/2016	3/15/2017	9/27/2017	12/13/2017	3/14/2018	9/12/2018
Antimony, total	<1	<1	<1	<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	6.62	3.53	2.66	4.20	<4.00	21.80	4.50	<4.00	4.60
Azobenzene					<8				
Barium, total	540	487	410	501	505	614		470	477
Benzene	<.5	<.5	<.5	<1.0	<1.0	<1.0		<1.0	<1.0
Benzo(a)anthracene					<8				
Benzo(a)pyrene					<8				
Benzo(b)fluoranthene					<8				
Benzo(g,h,i)perylene					<8				
Benzo(k)fluoranthene					<8				
Benzyl alcohol					<8				
Beryllium, total	<1	<1	<1	<4	<4	<4		<4	<4
Beta-bhc					<.05				
Bicarbonate alkalinity	651 *	665 *							
Bis (2-chloroethoxy) methane					<8				
Bis(2-chloroethyl) ether					<8				
Bis(2-ethylhexyl) phthalate					<8				
Bis[2-chloroisopropyl]ether					<8				
Bromochloromethane	<5	<5	<5	<1	<1	<1		<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1		<1	<1
Bromoform	<5	<5	<5	<1	<1	<1		<1	<1
Bromomethane	<4	<4	<4	<1	<1	<1		<1	<1
Butyl benzyl phthalate					<8				
Cadmium, total	<.50	<.50	<.50	<.80	<.80	<.80		<.80	<.80
Calcium, total	215 *	201 *							
Carbon disulfide	<1	<1	<1	<1	<1	<1		<1	<1
Carbon tetrachloride	<2	<2	<2	<1	<1	<1		<1	<1
Carbonate alkalinity	<5 *	<5 *							
Chlordane					<.1				
Chloride	125 *	135 *							
Chlorobenzene	<1	<1	<1	<1	<1	<1		<1	<1
Chlorobenzilate					<8				
Chloroethane	<1	<1	<4	<1	<1	<1		<1	<1
Chloroform	<1	<1	<1	<1	<1	<1		<1	<1
Chloromethane	<3	<3	<3	<1	<1	<1		<1	<1
Chloroprene					<1				
Chromium, total	<5	<5	<5	<8	<8	<8		<8	<8
Chrysene					<8				
Cis-1,2-dichloroethene	<1	<1	<1	<1	<1	<1		<1	<1
Cis-1,3-dichloropropene	<5	<5	<5	<1	<1	<1		<1	<1
Cobalt, total	2.25	2.95	2.56	1.70	2.20	2.90		2.00	1.60
Copper, total	2.16	2.88	<2.00	<4.00	<4.00	<4.00		<4.00	<4.00
Cyanide					<.005				
Delta-bhc					<.05				
Diallate					<8				
Dibenzo(a,h)anthracene					<8				
Dibenzofuran					<8				
Dibromochloromethane	<5	<5	<5	<1	<1	<1		<1	<1
Dibromomethane				<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
Famphur					<.4				
Fluoranthene					<8				
Fluorene					<8				

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

Table 9

Analytical Data Summary for MW-9

Constituents	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022	11/11/2022
Antimony, total	<2	<2	<2	<2	<2	<2	<2	<2	
Arochlor 1016									
Arochlor 1221									
Arochlor 1232									
Arochlor 1242									
Arochlor 1248									
Arochlor 1254									
Arochlor 1260									
Arsenic, total	<4.00	15.20	8.20	5.30	14.80	15.90	<4.00	12.10	
Azobenzene									
Barium, total	492	971	546	493	574	544	462	545	
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Benzo(a)anthracene									
Benzo(a)pyrene									
Benzo(b)fluoranthene									
Benzo(g,h,i)perylene									
Benzo(k)fluoranthene									
Benzyl alcohol									
Beryllium, total	<4	<4	<4	<4	<4	<4	<4	<4	
Beta-bhc									
Bicarbonate alkalinity									
Bis (2-chloroethoxy) methane									
Bis(2-chloroethyl) ether									
Bis(2-ethylhexyl) phthalate									
Bis[2-chloroisopropyl]ether									
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	<.80	<.80	<.80	<.80	<.80	<.80	<.80	<.80	
Calcium, total									
Carbon disulfide	<1	<1	<1	<1	<1	<1	<1	<1	
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	
Carbonate alkalinity									
Chlordane									
Chloride									
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	
Chlorobenzilate									
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	
Chloroprene									
Chromium, total	<8	<8	<8	<8	<8	<8	<8	<8	
Chrysene									
Cis-1,2-dichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	
Cis-1,3-dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	
Cobalt, total	2.20	5.30	2.90	2.40	2.80	2.80	1.90	2.60	
Copper, total	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	
Cyanide									
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									

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

Table 9

Analytical Data Summary for MW-9

Constituents	3/7/2023	6/6/2023	9/28/2023	3/11/2024
Antimony, total	<2		<2	<2
Arochlor 1016			<2	
Arochlor 1221			<2	
Arochlor 1232			<2	
Arochlor 1242			<2	
Arochlor 1248			<2	
Arochlor 1254			<2	
Arochlor 1260			<2	
Arsenic, total	<4.00		4.90	4.00
Azobenzene			<8	
Barium, total	481		486	517
Benzene	<1.0		<1.0	<1.0
Benzo(a)anthracene			<8	
Benzo(a)pyrene			<8	
Benzo(b)fluoranthene			<8	
Benzo(g,h,i)perylene			<8	
Benzo(k)fluoranthene			<8	
Benzyl alcohol			<8	
Beryllium, total	<4		<4	<4
Beta-bhc			<.05	
Bicarbonate alkalinity				
Bis (2-chloroethoxy) methane			<8	
Bis(2-chloroethyl) ether			<8	
Bis(2-ethylhexyl) phthalate			<6	
Bis[2-chloroisopropyl]ether			<8	
Bromochloromethane	<1		<1	<1
Bromodichloromethane	<1		<1	<1
Bromoform	<1		<1	<1
Bromomethane	<1		<1	<1
Butyl benzyl phthalate			<8	
Cadmium, total	<.80		<.80	<.80
Calcium, total				
Carbon disulfide	<1		<1	<1
Carbon tetrachloride	<1		<1	<1
Carbonate alkalinity				
Chlordane			<.1	
Chloride				
Chlorobenzene	<1		<1	<1
Chlorobenzilate			<8	
Chloroethane	<1		<1	<1
Chloroform	<1		<1	<1
Chloromethane	<1		<1	<1
Chloroprene			<1	
Chromium, total	<8		<8	<8
Chrysene			<8	
Cis-1,2-dichloroethene	<1		<1	<1
Cis-1,3-dichloropropene	<1		<1	<1
Cobalt, total	2.70		1.90	2.20
Copper, total	<4.00		<4.00	<4.00
Cyanide			<.005	
Delta-bhc			<.05	
Diallate			<8	
Dibenzo(a,h)anthracene			<8	
Dibenzofuran			<8	
Dibromochloromethane	<1		<1	<1
Dibromomethane	<1		<1	<1
Dichlorodifluoromethane			<1	
Dieldrin			<.05	
Diethyl phthalate			<8	
Dimethoate			<.4	
Dimethylphthalate			<8	
Di-n-butyl phthalate			<8	
Di-n-octyl phthalate			<8	
Dinoseb			<.5	
Diphenylamine			<8	
Disulfoton			<.4	
Endosulfan i			<.05	
Endosulfan ii			<.05	
Endosulfan sulfate			<.05	
Endrin			<.05	
Endrin aldehyde			<.05	
Ethyl methacrylate			<10	
Ethyl methanesulfonate			<8	
Ethylbenzene	<1		<1	<1
Famphur			<.4	
Fluoranthene			<8	
Fluorene			<8	

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

Table 9

Analytical Data Summary for MW-9

Constituents	Units	3/20/2012	10/15/2012	3/15/2013	9/7/2013	3/17/2014	10/20/2014	10/21/2014
Gamma-bhc [lindane]	ug/L							
Heptachlor	ug/L							
Heptachlor epoxide	ug/L							
Hexachlorobenzene	ug/L							
Hexachlorobutadiene	ug/L							
Hexachlorocyclopentadiene	ug/L							
Hexachloroethane	ug/L							
Hexachloropropene	ug/L							
Indeno(1,2,3-cd)pyrene	ug/L							
Iodomethane	ug/L							<10
Isobutanol	mg/L							
Isodrin	ug/L							
Isophorone	ug/L							
Isosafrole	ug/L							
Kepon	ug/L							
Lead, total	ug/L	<4.000	<4.000	<4.000	<4.000	<4.000		13.200
Magnesium, total	mg/L							
Mercury, total	ug/L	<.2						
Methacrylonitrile	ug/L							
Methapyrilene	ug/L							
Methoxychlor	ug/L							
Methyl methacrylate	ug/L							
Methyl methanesulfonate	ug/L							
Methyl parathion	ug/L							
Methylene bromide	ug/L							<1
Methylene chloride	ug/L							<5
Naphthalene	ug/L							
Nickel, total	ug/L	<50.0	<50.0	<50.0	<50.0	<50.0		<50.0
Nitrobenzene	ug/L							
N-nitrosodiethylamine	ug/L							
N-nitrosodimethylamine	ug/L							
N-nitrosodi-n-butylamine	ug/L							
N-nitroso-di-n-propylamine	ug/L							
N-nitrosodiphenylamine	ug/L							
N-nitrosomethylethylamine	ug/L							
N-nitrosopiperidine	ug/L							
N-nitrosopyrrolidine	ug/L							
O,o,o-triethyl phosphorothioate	ug/L							
O-toluidine	ug/L							
P-(dimethylamino)azobenzene	ug/L							
Parathion	ug/L							
Pentachlorobenzene	ug/L							
Pentachloronitrobenzene (pcnb)	ug/L							
Pentachlorophenol	ug/L							
Phenacetin	ug/L							
Phenanthrene	ug/L							
Phenol	ug/L							
Phorate	ug/L							
Potassium, total	mg/L							
Pronamide	ug/L							
Propionitrile	ug/L							
Pyrene	ug/L							
Safrole	ug/L							
Selenium, total	ug/L	<5	<5	<5	<5	<5		<5
Silver, total	ug/L	<20	<20	<20	<20	<20		<20
Sodium, total	mg/L							
Styrene	ug/L							<1
Sulfate	mg/L							
Sulfide	mg/L	<1.0						
Tetrachloroethene	ug/L							<1
Thallium, total	ug/L	<2	<2	<2	<2	<2		<2
Thionazin	ug/L							
Tin, total	ug/L	<100					122	122
Toluene	ug/L							<1.0
Total suspended solids	mg/L						556.0	556.0
Toxaphene	ug/L							
Trans-1,2-dichloroethene	ug/L							<1
Trans-1,3-dichloropropene	ug/L							<5
Trans-1,4-dichloro-2-butene	ug/L							<10
Trichloroethene	ug/L							<1
Trichlorofluoromethane	ug/L							<4
Vanadium, total	ug/L	<50	<50	<50	<50	<50		<20
Vinyl acetate	ug/L							<10
Vinyl chloride	ug/L							<1
Xylenes, total	ug/L							<3
Zinc, total	ug/L	<20.0	<20.0	35.1	70.7	<20.0		31.1

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

Table 9

Analytical Data Summary for MW-9

Constituents	6/22/2015	11/12/2015	4/11/2016	9/16/2016	3/15/2017	9/27/2017	12/13/2017	3/14/2018	9/12/2018
Gamma-bhc [lindane]					<.05				
Heptachlor					<.05				
Heptachlor epoxide					<.05				
Hexachlorobenzene					<.05				
Hexachlorobutadiene					<8				
Hexachlorocyclopentadiene					<8				
Hexachloroethane					<8				
Hexachloropropene					<8				
Indeno(1,2,3-cd)pyrene					<8				
Iodomethane	<10	<10	<10	<1	<1	<1		<1	<1
Isobutanol					<1				
Isodrin					<8				
Isophorone					<8				
Isosafrole					<8				
Kepone					<8				
Lead, total	<.500	.838	.754	<4.000	<4.000	<4.000		<4.000	<4.000
Magnesium, total	73.5 *	70.2 *							
Mercury, total					<.5				
Methacrylonitrile					<1				
Methapyrilene					<8				
Methoxychlor					<.05				
Methyl methacrylate					<1				
Methyl methanesulfonate					<8				
Methyl parathion					<.4				
Methylene bromide	<1	<1	<1						
Methylene chloride	<5	<5	<5	<5	<5	<5		<5	<5
Naphthalene					<8				
Nickel, total	12.1	14.6	12.7	11.7	14.5	12.9		13.5	13.6
Nitrobenzene					<8				
N-nitrosodiethylamine					<8				
N-nitrosodimethylamine					<8				
N-nitrosodi-n-butylamine					<8				
N-nitroso-di-n-propylamine					<8				
N-nitrosodiphenylamine					<8				
N-nitrosomethylethylamine					<8				
N-nitrosopiperidine					<8				
N-nitrosopyrrolidine					<8				
O,o,o-triethyl phosphorothioate					<.4				
O-toluidine					<8				
P-(dimethylamino)azobenzene					<8				
Parathion					<.4				
Pentachlorobenzene					<8				
Pentachloronitrobenzene (pcnb)					<8				
Pentachlorophenol					<8				
Phenacetin					<8				
Phenanthrene					<8				
Phenol					<8				
Phorate					<.4				
Potassium, total	<1 *	<1 *							
Pronamide					<8				
Propionitrile					<10				
Pyrene					<8				
Safrole					<8				
Selenium, total	<5	<5	<5	<4	<4	<4		<4	<4
Silver, total	<1	<1	<1	<4	<4	<4		<4	<4
Sodium, total	22.7 *	21.9 *							
Styrene	<1	<1	<1	<1	<1	<1		<1	<1
Sulfate	6.78 *	6.50 *							
Sulfide					<.1				
Tetrachloroethene	<1	<1	<1	<1	<1	<1		<1	<1
Thallium, total	<1	<1	<2	<4	<4	<4		<4	<4
Thionazin					<.4				
Tin, total	<5 *	<5 *	<5 *	<20	<20				
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0
Total suspended solids	64.9 *	236.0 *	131.0 *	29.0	414.0				
Toxaphene					<.2				
Trans-1,2-dichloroethene	<1	<1	<1	<1	<1	<1		<1	<1
Trans-1,3-dichloropropene	<5	<5	<5	<1	<1	<1		<1	<1
Trans-1,4-dichloro-2-butene	<10	<10	<10	<5	<5	<5		<5	<5
Trichloroethene	<1	<1	<1	<1	<1	<1		<1	<1
Trichlorofluoromethane	<4	<4	<4	<1	<1	<1		<1	<1
Vanadium, total	<5	<5	<5	<20	<20	<20		<20	<20
Vinyl acetate	<10	<10	<10	<5	<5	<5		<5	<5
Vinyl chloride	<1	<1	<1	<1	<1	<1		<1	<1
Xylenes, total	<3	<3	<3	<2	<2	<2		<2	<2
Zinc, total	<10.0	<10.0	<10.0	<8.0	<8.0	<8.0		<8.0	41.5

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

Table 9

Analytical Data Summary for MW-9

Constituents	4/1/2019	9/12/2019	5/6/2020	9/3/2020	3/30/2021	9/8/2021	3/31/2022	8/30/2022	11/11/2022
Gamma-bhc [lindane]									
Heptachlor									
Heptachlor epoxide									
Hexachlorobenzene									
Hexachlorobutadiene									
Hexachlorocyclopentadiene									
Hexachloroethane									
Hexachloropropene									
Indeno(1,2,3-cd)pyrene									
Iodomethane	<1	<1	<1	<1	<1	<1	<1	<1	
Isobutanol									
Isodrin									
Isophorone									
Isosafrole									
Kepone									
Lead, total	<4.000	<4.000	<4.000	<4.000	<4.000	<4.000	<4.000	<4.000	
Magnesium, total									
Mercury, total									
Methacrylonitrile									
Methapyrilene									
Methoxychlor									
Methyl methacrylate									
Methyl methanesulfonate									
Methyl parathion									
Methylene bromide									
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	
Naphthalene									
Nickel, total	13.2	25.5	13.9	14.2	16.0	14.3	13.8	13.9	
Nitrobenzene									
N-nitrosodiethylamine									
N-nitrosodimethylamine									
N-nitrosodi-n-butylamine									
N-nitroso-di-n-propylamine									
N-nitrosodiphenylamine									
N-nitrosomethylethylamine									
N-nitrosopiperidine									
N-nitrosopyrrolidine									
O,o,o-triethyl phosphorothioate									
O-toluidine									
P-(dimethylamino)azobenzene									
Parathion									
Pentachlorobenzene									
Pentachloronitrobenzene (pcnb)									
Pentachlorophenol									
Phenacetin									
Phenanthrene									
Phenol									
Phorate									
Potassium, total									
Pronamide									
Propionitrile									
Pyrene									
Safrole									
Selenium, total	<4	<4	<4	<4	<4	<4	<4	<4	
Silver, total	<4	<4	<4	<4	<4	<4	<4	<4	
Sodium, total									
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	
Sulfate									
Sulfide									
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1	<1	
Thallium, total	<2	<2	<2	<2	<2	<2	<2	<2	
Thionazin									
Tin, total									
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.8	<1.0
Total suspended solids									
Toxaphene									
Trans-1,2-dichloroethene	<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	
Trichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	
Vanadium, total	<20	<20	<20	<20	<20	<20	<20	<20	
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	
Xylenes, total	<2	<2	<2	<2	<2	<2	<2	<2	
Zinc, total	<20.0	<20.0	<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	3/7/2023	6/6/2023	9/28/2023	3/11/2024
Gamma-bhc [lindane]			<.05	
Heptachlor			<.05	
Heptachlor epoxide			<.05	
Hexachlorobenzene			<.05	
Hexachlorobutadiene			<8	
Hexachlorocyclopentadiene			<8	
Hexachloroethane			<8	
Hexachloropropene			<8	
Indeno(1,2,3-cd)pyrene			<8	
Iodomethane	<1		<2	<1
Isobutanol			<1	
Isodrin			<8	
Isophorone			<8	
Isosafrole			<8	
Kepone			<8	
Lead, total	<4.000		<4.000	<4.000
Magnesium, total				
Mercury, total			<.5	
Methacrylonitrile			<1	
Methapyrilene			<8	
Methoxychlor			<.05	
Methyl methacrylate			<1	
Methyl methanesulfonate			<8	
Methyl parathion			<.4	
Methylene bromide				
Methylene chloride	<5		<5	<5
Naphthalene			<8	
Nickel, total	15.4	15.3	15.2	14.6
Nitrobenzene			<8	
N-nitrosodiethylamine			<8	
N-nitrosodimethylamine			<8	
N-nitrosodi-n-butylamine			<8	
N-nitroso-di-n-propylamine			<8	
N-nitrosodiphenylamine			<8	
N-nitrosomethylethylamine			<8	
N-nitrosopiperidine			<8	
N-nitrosopyrrolidine			<8	
O,o,o-triethyl phosphorothioate			<.4	
O-toluidine			<8	
P-(dimethylamino)azobenzene			<8	
Parathion			<.4	
Pentachlorobenzene			<8	
Pentachloronitrobenzene (pcnb)			<8	
Pentachlorophenol			<8	
Phenacetin			<8	
Phenanthrene			<8	
Phenol			<8	
Phorate			<.4	
Potassium, total				
Pronamide			<8	
Propionitrile			<10	
Pyrene			<8	
Safrole			<8	
Selenium, total	<4		<4	<4
Silver, total	<4		<4	<4
Sodium, total				
Styrene	<1		<1	<1
Sulfate				
Sulfide			<.1	
Tetrachloroethene	<1		<1	<1
Thallium, total	<2		<2	<2
Thionazin			<.4	
Tin, total			<20	
Toluene	<1.0		<1.0	<1.0
Total suspended solids				
Toxaphene			<.2	
Trans-1,2-dichloroethene	<1		<1	<1
Trans-1,3-dichloropropene	<1		<1	<1
Trans-1,4-dichloro-2-butene	<5		<5	<5
Trichloroethene	<1		<1	<1
Trichlorofluoromethane	<1		<1	<1
Vanadium, total	<20		<20	<20
Vinyl acetate	<5		<5	<5
Vinyl chloride	<1		<1	<1
Xylenes, total	<2		<2	<2
Zinc, total	<20.0		<20.0	<20.0

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

Table 10 – Historic SSI and SSL – **AW-2**

Table 10
Historic SSI & SSL
Annual Water Quality Report
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KEY:	SSI

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

SSL LCL>GWPS	SSL UCL>GWPS

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)
AW-2	Arsenic	9/12/2018	46.8	43.9	38.675	55.775	51.3
AW-2	Arsenic	4/1/2019	66.6	51.3	44.356	64.694	51.3
AW-2	Arsenic	9/12/2019	62.9	51.3	45.328	67.922	51.3
AW-2	Arsenic	5/6/2020	69.2	51.3	49.548	73.202	51.3
AW-2	Arsenic	9/3/2020	55.7	51.3	56.699	70.501	51.3
AW-2	Arsenic	3/30/2021	38.3	51.3	40.829	72.221	51.3
AW-2	Arsenic	9/8/2021	26.4	51.3	25.206	69.594	51.3
AW-2	Arsenic	3/31/2022	26.7	51.3	20.566	52.984	51.3
AW-2	Arsenic	8/30/2022	41.7	51.3	23.995	42.555	51.3
AW-2	Arsenic	3/7/2023	40.5	51.3	23.926	43.724	51.3
AW-2	Arsenic	9/28/2023	36.4	51.3	28.319	44.331	51.3
AW-2	Arsenic	3/11/2024	27.7	51.3	29.121	44.029	51.3
AW-2	Arsenic	10/2/2024	48.1	51.3	28.176	48.174	51.3
AW-2	Arsenic	3/6/2025	36.1	51.3	27.214	46.936	51.3
AW-2	Arsenic	9/16/2025	68.7	51.3	24.221	66.079	51.3

Table 11 – Corrective Action Trend Analysis– **AW-2**

Table 11
Corrective Action Trend Analysis
Annual Water Quality Report
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Monitoring		Sample	Current			Projected Year to Completion
Well	Compound	Date	Condition	Trend	N	(IAC 113.10(9)"e"
AW-2	Arsenic	9/12/2018	SSI	decreasing	1	2022
AW-2	Arsenic	4/1/2019	SSI	decreasing	2	2022
AW-2	Arsenic	9/12/2019	SSI	decreasing	3	2022
AW-2	Arsenic	5/6/2020	SSI	decreasing	4	2022
AW-2	Arsenic	9/3/2020	SSL	decreasing	5	2022
AW-2	Arsenic	3/30/2021	SSL	decreasing	6	2022
AW-2	Arsenic	9/8/2021	SSL	decreasing	7	2022
AW-2	Arsenic	3/31/2022	SSL	decreasing	8	2022
AW-2	Arsenic	8/30/2022	no-SSI	decreasing	9	2022
AW-2	Arsenic	3/7/2023	no-SSI	decreasing	10	2022
AW-2	Arsenic	9/28/2023	no-SSI	decreasing	11	2022
AW-2	Arsenic	3/11/2024	no-SSI	decreasing	12	2022
AW-2	Arsenic	10/2/2024	no-SSI	decreasing	13	2022
AW-2	Arsenic	3/6/2025	no-SSI	decreasing	14	2022
AW-2	Arsenic	9/16/2025	SSI	decreasing	15	2022

Table 12 –Leachate Levels

Table 12
Leachate Level Measurements
Annual Water Quality Report
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Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ -4	LPZ -5	LPZ -6	LPZ -7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/5/1999	865.44	851.72	897.40	899.20	878.35	903.15	903.21
2/5/1999	865.40	851.73	897.38	899.25	878.39	903.12	903.18
3/5/1999	869.78	851.77	897.72	898.09	879.76	900.80	901.78
4/5/1999	865.41	851.31	897.64	897.95	879.72	901.53	902.63
5/5/1999	869.56	852.44	898.23	899.68	879.80	foam	902.08
6/7/1999	869.16	852.31	897.23	899.88	879.84	903.51	903.70
7/6/1999	865.35	851.72	897.69	898.42	875.32	?	904.10
8/5/1999	866.33	851.39	897.20	898.29	879.60	903.76	904.24
9/7/1999	864.50	851.05	896.95	897.50	879.31	901.17	904.60
10/5/1999	863.65	850.53	896.59	897.11	879.21	901.24	904.27
11/5/1999	862.48	849.78	898.21	896.15	879.03	900.82	904.20
12/6/1999	862.92	849.81	895.32	896.25	879.13	900.93	904.44

Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ -4	LPZ -5	LPZ -6	LPZ -7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/5/2000	862.81	849.66	896.11	895.82	878.72	900.82	904.12
2/5/2000	862.90	849.68	895.51	896.32	878.64	900.90	904.25
3/6/2000	864.43	849.66	895.70	895.67	878.70	900.95	904.41
4/5/2000	865.12	849.77	895.71	895.29	878.94	900.93	903.98
5/5/2000	865.55	850.18	895.55	894.80	878.72	900.91	904.27
6/5/2000	864.81	850.14	895.72	895.01	878.62	active	904.30
7/5/2000	865.23	851.01	895.82	894.91	878.92	901.07	904.49
8/5/2000	866.38	851.69	896.18	895.48	878.97	active	904.59
9/5/2000	864.08	851.24	895.70	894.83	878.64	899.64	903.85
10/5/2000	862.73	850.57	895.92	894.67	878.75	901.27	904.17
11/15/2000	862.48	850.77	895.47	894.22	878.61	900.95	904.28

Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ -4	LPZ -5	LPZ -6	LPZ -7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/5/2001	862.43	frozen	frozen	frozen	frozen	frozen	frozen
2/5/2001	frozen	frozen	frozen	frozen	frozen	frozen	frozen
3/5/2001	frozen	frozen	917.26	frozen	frozen	active	frozen
4/5/2001	866.86	851.70	896.78	frozen	878.81	901.33	903.71
5/4/2001	868.36	851.63	897.96	896.93	879.09	902.34	904.97
6/5/2001	868.39	852.20	897.99	897.13	879.23	902.20	904.65
7/5/2001	866.87	851.90	897.32	896.75	879.35	901.70	904.45
8/4/2001	864.91	850.84	896.98	896.46	878.67	901.18	904.63
9/5/2001	863.39	850.70	897.94	896.38	879.23	901.83	903.92
10/5/2001	862.81	850.66	897.12	896.15	879.11	902.03	904.71
11/5/2001	862.61	850.60	897.15	896.12	879.15	902.00	904.60
12/5/2001	862.75	850.64	897.12	896.10	879.12	902.04	904.62

Table 12
Leachate Level Measurements
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Benton County Sanitary Landfill
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Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ -4	LPZ -5	LPZ -6	LPZ -7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/5/2002	864.20	850.32	frozen	frozen	frozen	907.94	frozen
2/5/2002	863.84	849.45	894.96	frozen	878.07	907.75	897.42
3/5/2002	863.45	850.10	894.75	frozen	879.22	907.62	897.73
4/5/2002	864.83	850.34	894.72	894.00	878.59	900.80	897.17
5/6/2002	866.63	851.45	897.23	895.33	878.97	917.82	904.98
6/5/2002	866.54	852.05	894.91	895.11	879.99	896.60	905.86
7/5/2002	865.44	851.60	896.76	894.92	878.57	915.85	905.02
8/5/2002	864.15	851.32	896.94	895.35	878.90	902.00	905.03
9/5/2002	874.54	851.05	896.96	895.29	878.72	901.75	905.50
10/5/2002	862.94	850.91	897.30	895.51	878.90	905.65	905.56
11/5/2002	863.39	851.33	917.53	895.42	879.06	901.73	905.78
12/5/2002	863.72	850.77	897.21	895.15	878.55	901.81	904.91

Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ -4	LPZ -5	LPZ -6	LPZ -7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/6/2003	864.31	850.85	896.18	894.55	879.02	901.50	904.88
2/6/2003	863.33	850.05	frozen	frozen	frozen	frozen	904.17
3/5/2003	863.73	850.46	frozen	frozen	frozen	frozen	904.25
4/2/2003	864.33	850.91	894.92	893.21	878.44	901.25	904.30
5/5/03	856.42	850.44	895.44	893.78	878.52	902.38	904.78
6/5/2003	866.60	851.83	896.33	894.50	878.78	908.19	898.19
7/7/2003	862.91	851.32	897.14	892.38	878.82	901.50	905.75
8/5/2003	863.64	850.90	896.40	894.28	878.87	901.45	904.97
9/5/2003	862.23	850.23	896.41	893.88	878.27	900.97	904.41
10/6/2003	861.44	849.84	895.36	893.90	878.17	901.14	904.47
11/5/2003	862.03	849.94	896.35	894.68	878.64	902.33	905.02
12/5/2003	861.53	849.54	896.33	894.22	878.17	901.41	905.71

Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ -4	LPZ -5	LPZ -6	LPZ -7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/5/2004	862.32	850.04	frozen	894.25	878.16	frozen	904.97
2/5/2004	862.93	849.74	frozen	893.92	frozen	frozen	904.77
3/5/2004	865.13	850.69	896.69	894.61	877.97	902.14	904.41
4/5/2004	866.55	851.39	897.08	894.72	878.39	901.89	905.15
5/5/2004	866.72	852.10	897.14	895.32	878.72	897.59	908.45
6/5/2004	864.73	851.85	897.34	895.68	878.72	901.80	905.31
7/5/2004	867.40	852.13	897.50	896.49	879.13	916.20	905.94
8/5/2004	866.79	852.10	897.80	896.57	879.26	916.84	906.38
9/4/2004	866.72	852.09	897.85	898.04	879.06	915.83	906.01
10/5/2004	866.29	851.88	897.54	897.31	879.33	902.24	906.36
11/5/2004	865.19	851.40	897.01	896.21	878.52	901.45	905.57
12/5/2004	865.13	851.05	896.31	896.13	878.55	901.70	904.98

Table 12
Leachate Level Measurements
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Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ -4	LPZ -5	LPZ -6	LPZ -7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/5/2005	865.33	851.37	896.20	895.98	878.42	901.80	904.92
2/5/2005	867.09	851.62	895.06	895.28	878.28	901.83	904.87
3/5/2005	868.14	852.25	897.06	897.13	878.92	902.50	905.04
4/5/2005	868.19	852.30	895.72	896.29	878.87	901.45	905.29
5/5/2005	867.32	853.06	896.25	896.21	875.32	901.82	905.43
6/5/2005	867.81	851.80	896.81	896.33	878.82	902.45	905.87
7/5/2005	865.82	850.44	896.51	896.25	878.72	902.35	906.27
8/5/2005	863.79	851.07	895.51	895.98	878.76	902.00	906.37
9/5/2005	863.04	850.35	896.05	895.67	878.32	901.71	906.28
10/5/2005	863.36	850.30	895.63	895.51	878.90	899.41	906.56
11/5/2005	862.84	849.95	894.21	894.93	878.37	901.75	905.87
12/5/2005	861.96	849.15	frozen	894.13	frozen	frozen	905.17

Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ -4	LPZ -5	LPZ -6	LPZ -7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/5/2006	861.70	849.15	892.94	895.23	877.99	901.77	905.20
2/6/2006	861.99	849.34	892.45	894.58	frozen	901.65	904.85
3/6/2006	861.99	849.30	894.43	893.94	877.77	901.60	904.72
4/5/2006	863.97	850.31	893.18	895.00	879.34	902.31	905.29
5/5/2006	866.19	851.65	897.01	896.18	878.87	911.14	905.19
6/5/2006	866.32	851.72	896.21	896.57	878.84	902.33	905.19
7/5/2006	866.13	851.40	896.43	895.46	878.71	902.30	905.97
8/5/2006	864.36	850.51	884.69	894.81	878.34	902.00	906.12
9/5/2006	863.89	850.05	885.21	895.08	878.32	902.50	906.58
10/5/2006	862.29	849.52	884.61	894.33	878.07	901.60	906.30
11/8/2006	862.14	849.15	894.84	894.65	878.29	902.49	906.50
12/8/2006	859.54	848.50	894.02	894.01	877.92	902.00	905.82

Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ -4	LPZ -5	LPZ -6	LPZ -7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/5/2007	862.39	848.90	896.95	894.73	878.76	902.80	905.72
2/8/2007	862.54	848.30	frozen	frozen	frozen	frozen	904.87
3/5/2007	862.26	848.15	894.61	frozen	frozen	frozen	904.57
4/2/2007	863.65	849.46	897.02	894.67	879.61	902.90	905.40
5/9/2007	867.94	849.61	897.06	896.78	879.39	903.20	905.52
6/6/2007	868.04	849.95	897.04	896.88	879.17	905.85	906.32
7/3/2007	868.64	850.85	897.16	898.23	880.27	903.11	906.57
8/3/2007	866.29	849.85	896.96	898.13	878.97	902.45	906.72
9/5/2007	866.29	850.65	897.01	898.83	879.07	902.45	906.48
10/6/2007	866.04	849.40	896.51	898.13	879.23	902.35	907.02
11/5/2007	864.69	850.60	897.31	899.13	879.07	902.60	906.82
12/5/2007	864.91	850.83	897.15	899.51	879.32	902.78	906.61

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Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ - 4	LPZ - 5	LPZ - 6	LPZ - 7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/14/2008	863.92	850.51	frozen	frozen	frozen	frozen	906.24
2/5/2008	frozen	frozen	frozen	frozen	frozen	frozen	frozen
3/7/2008	frozen	frozen	897.42	899.62	frozen	frozen	906.62
4/15/2008	869.99	852.35	897.66	901.23	880.37	904.87	905.10
5/5/2008	870.03	852.25	897.16	901.83	879.89	912.30	905.70
6/7/2008	870.49	852.15	897.21	901.31	879.91	912.32	905.72
7/7/2008	869.28	851.19	897.51	901.41	879.41	911.81	905.81
8/8/2008	870.32	851.44	897.15	901.72	879.21	912.61	905.21
9/6/2008	868.84	850.60	896.76	900.55	879.22	903.38	907.27
10/6/2008	869.52	850.32	897.48	901.41	879.20	904.90	906.15
11/1/2008	868.48	850.11	895.95	899.74	879.72	903.09	907.21
12/5/2008	868.40	850.06	895.92	899.65	879.90	903.00	907.13

Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ - 4	LPZ - 5	LPZ - 6	LPZ - 7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/5/2009	868.44	850.08	895.90	899.70	879.76	903.08	907.16
2/5/2009	868.78	850.40	895.75	899.10	879.90	903.20	907.89
3/4/2009	869.40	851.35	895.80	898.54	879.80	902.78	906.40
4/6/2009	870.15	851.76	896.54	898.99	878.30	902.62	906.70
5/5/2009	868.46	851.78	896.50	899.30	878.25	903.40	907.20
6/5/2009	869.83	857.88	898.70	899.33	878.47	907.70	905.23
7/6/2009	868.72	850.37	895.87	899.08	878.80	903.25	907.97
8/5/2009	869.29	851.20	898.35	900.00	878.51	903.80	906.04
9/4/2009	869.99	851.42	898.68	901.18	878.84	903.82	906.66
10/5/2009	869.92	851.40	898.80	901.10	878.72	903.76	906.70
11/x/2009	870.12	851.45	898.95	900.04	879.03	907.72	906.74
12/x/2009	868.42	850.09	895.70	899.58	879.85	903.04	907.26

Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ - 4	LPZ - 5	LPZ - 6	LPZ - 7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/5/2010	frozen	frozen	frozen	frozen	frozen	frozen	frozen
2/5/2010	868.26	850.12	894.44	898.32	879.10	903.18	906.82
3/5/2010	862.25	851.72	895.84	898.54	879.86	903.20	907.20
4/5/2010	870.69	851.90	896.62	900.00	878.81	903.26	906.58
5/5/2010	870.62	851.70	898.64	900.15	878.34	902.80	906.24
6/5/2010	869.70	852.20	896.46	900.10	878.25	902.82	905.78
7/6/2010	870.06	851.65	899.24	900.90	879.09	903.22	907.86
8/5/2010	871.76	851.13	898.81	900.42	878.64	903.35	906.12
9/4/2010	870.20	851.18	898.70	900.58	878.62	903.24	906.60
10/5/2010	869.54	852.65	898.54	899.60	877.50	903.84	904.70
11/5/2010	868.49	852.65	898.54	898.81	877.64	boiling	904.70
12/6/2010	frozen	849.05	898.76	899.71	877.15	frozen	905.54

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Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ - 4	LPZ - 5	LPZ - 6	LPZ - 7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/5/2011	frozen	850.16	898.72	899.73	877.15	frozen	905.48
2/5/2011	frozen	849.10	898.70	899.68	877.12	frozen	905.36
3/5/2011	frozen	849.93	897.38	899.18	876.64	916.73	906.28
4/5/2011	869.79	850.81	898.80	897.85	877.74	920.45	906.32
5/5/2011	869.82	851.06	898.78	897.96	878.13	boiling	904.22
6/4/2011	870.02	851.12	898.72	899.40	878.20	boiling	906.18
7/5/2011	869.92	851.20	898.79	899.23	878.42	909.81	906.38
8/5/2011	870.06	851.16	898.82	900.00	878.60	904.96	906.12
9/6/2011	870.10	851.18	898.68	897.95	878.65	908.00	906.90
10/5/2011	865.32	852.70	898.82	897.73	877.94	907.42	906.67
11/5/2011	866.10	852.48	898.76	897.70	877.92	907.38	906.20
12/5/2011	867.20	852.50	897.60	898.22	877.98	907.41	906.58

Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ - 4	LPZ - 5	LPZ - 6	LPZ - 7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/5/2012	867.82	849.05	897.88	898.78	878.07	907.40	906.86
2/6/2012	867.50	849.08	898.16	898.72	878.05	907.40	906.84
3/5/2012	867.58	849.12	898.22	898.80	878.07	907.38	906.76
4/5/2012	867.60	850.02	898.72	898.21	878.12	907.40	906.83
5/6/2012	861.13	848.32	895.21	895.85	875.99	904.70	904.26
6/5/2012	868.08	850.10	897.72	897.16	877.08	906.82	906.24
7/5/2012	869.12	851.16	898.02	898.20	878.06	906.78	906.31
8/5/2012	870.06	851.22	897.85	898.17	878.10	906.73	906.25
9/5/2012	870.13	851.20	898.01	898.22	877.40	907.00	906.18
10/5/2012	869.50	851.18	898.22	898.30	878.08	907.05	906.13
11/5/2012	broke	848.80	890.63	896.85	878.65	907.83	906.54
12/5/2012	broke	850.01	897.90	897.20	878.45	906.70	906.10

Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ - 4	LPZ - 5	LPZ - 6	LPZ - 7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/5/2013	broke	849.06	897.84	897.24	878.60	906.68	906.08
2/5/2013	broke	848.66	897.81	896.90	878.39	906.70	906.02
3/5/2013	broke	850.00	898.02	896.87	878.41	906.76	906.06
4/5/2013	broke	847.68	897.80	896.23	877.10	905.90	904.75
5/6/2013	broke	846.82	897.61	896.18	877.06	905.93	905.02
6/5/2013	broke	851.64	899.25	898.08	878.56	907.25	905.24
7/5/2013	broke	850.71	899.28	899.30	877.17	919.81	906.44
8/5/2013	876.12	850.08	898.38	899.38	877.35	916.13	907.08
9/5/2013	869.21	851.27	899.31	897.15	876.99	907.19	907.44
10/5/2013	868.84	848.50	898.60	896.33	876.90	907.11	907.89
11/5/2013	867.25	851.30	898.52	891.03	877.00	907.08	906.80
12/5/2013	867.32	852.01	897.60	891.00	877.10	907.12	906.78

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Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ - 4	LPZ - 5	LPZ - 6	LPZ - 7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/6/2014	frozen	frozen	frozen	frozen	frozen	frozen	frozen
2/5/2014	frozen	frozen	frozen	frozen	frozen	frozen	frozen
3/5/2014	frozen	frozen	frozen	frozen	frozen	frozen	frozen
4/5/2014	867.82	850.30	898.45	891.06	877.05	907.45	906.26
5/5/2014	868.11	852.03	899.00	891.12	877.20	907.42	906.71
6/5/2014	868.14	852.05	898.65	891.08	877.21	907.40	906.68
7/7/2014	868.18	852.10	898.32	891.11	877.20	907.46	906.72
8/5/2014	867.86	852.07	898.29	891.08	877.16	907.43	906.70
9/5/2014	861.74	852.10	898.56	890.12	878.92	907.45	906.82
10/4/2014	862.21	852.16	898.30	891.06	877.18	907.42	906.65
11/6/2014	863.28	852.21	898.30	892.10	877.09	907.51	906.70
12/1/2014	864.64	848.85	897.68	897.35	877.04	907.45	906.56

Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ - 4	LPZ - 5	LPZ - 6	LPZ - 7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/6/2015	869.09	848.73	896.49	897.95	877.49	911.28	905.98
2/9/2015	869.52	848.41	897.71	897.13	877.51	909.46	907.30
3/5/2015	869.19	848.87	896.83	897.67	877.50	909.22	904.37
4/1/2015	869.59	849.33	898.24	898.38	878.75	909.47	909.93
5/15/2015	871.13	850.81	898.22	898.99	879.95	910.06	914.14
6/3/2015	871.82	851.03	898.04	898.88	880.31	916.47	906.87
7/1/2015	872.59	852.34	899.52	900.39	880.03	916.54	916.61
8/3/2015	Removed	852.38	899.30	899.84	879.69	915.18	908.88
9/4/2015		852.66	898.34	898.44	878.95	909.50	908.27
10/6/2015		851.35	898.72	898.26	879.15	909.17	907.81
11/5/2015		850.92	898.46	899.11	879.86	909.86	908.87
12/2/2015		852.04	899.51	899.76	879.44	911.37	910.55

Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ - 4	LPZ - 5	LPZ - 6	LPZ - 7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/4/2016	Removed	852.94	899.00	901.35	879.83	909.90	905.34
2/1/2016		853.04	899.08	901.51	879.56	910.18	905.48
3/2/2016		853.62	898.71	902.04	880.14	910.77	904.96
4/1/2016		854.09	897.84	901.98	877.23	910.27	905.26
5/10/2016		853.14	899.49	898.87	879.92	909.89	906.87
6/6/2016		852.62	896.57	900.12	879.51	913.17	906.84
7/7/2016		853.25	896.70	900.11	879.93	914.50	907.58
8/12/2016		852.86	896.02	899.21	879.76	913.90	906.65
9/14/2016		852.03	899.35	899.99	879.43	909.89	908.10
10/6/2016		851.96	898.67	899.11	879.20	910.14	908.46
11/9/2016		851.14	898.10	897.98	878.42	909.86	906.25
12/5/2016		851.64	898.71	898.46	879.01	910.10	907.10

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Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ - 4	LPZ - 5	LPZ - 6	LPZ - 7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/10/2017	Removed	851.11	898.10	898.00	878.64	909.64	906.37
2/8/2017		850.82	897.65	898.46	878.47	910.08	905.86
3/9/2017		850.35	898.08	898.10	877.98	909.74	904.74
4/7/2017		851.42	899.01	898.76	879.42	910.77	906.07
5/2/2017		851.96	899.78	899.47	881.12	912.58	907.81
6/6/2017		850.78	897.91	897.86	878.21	909.54	904.68
7/6/2017		850.36	897.71	897.31	878.46	908.94	905.61
8/17/2017		851.01	898.14	898.10	879.51	909.71	905.91
9/7/2017		850.86	898.04	898.00	878.71	908.56	905.35
10/6/2017		849.76	897.98	897.34	877.86	908.10	904.63
11/14/2017		848.56	896.71	896.71	877.34	907.85	904.14
12/1/2017		851.31	897.24	896.59	877.25	909.31	906.59

Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ - 4	LPZ - 5	LPZ - 6	LPZ - 7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/9/2018	Removed	850.29	frozen	frozen	frozen	907.44	905.96
2/2/2018		849.93	897.08	895.44	874.91	908.43	904.13
3/7/2018		851.09	894.35	896.37	876.04	910.31	903.97
4/1/2018		850.69	893.76	895.76	875.15	903.93	901.86
5/2/2018		849.60	894.16	894.87	874.78	904.80	902.16
6/16/2018		849.48	893.67	893.86	874.14	903.33	902.02
7/5/2018		848.78	893.38	894.01	874.68	903.14	901.87
8/16/2018		848.69	893.65	893.09	873.69	902.86	901.14
9/6/2018		849.15	894.18	893.87	874.16	903.38	902.78
10/8/2018		850.17	895.99	895.43	875.77	904.91	903.84
11/14/2018		851.69	896.96	894.92	875.42	906.80	904.01
12/19/2018		851.46	897.22	895.16	875.81	907.14	904.85

Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ - 4	LPZ - 5	LPZ - 6	LPZ - 7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/8/2019	Removed	852.02	896.87	895.74	875.86	906.95	905.10
2/21/2019		852.14	896.96	895.69	875.69	907.04	905.31
3/20/2019		853.41	898.76	898.14	877.96	909.46	904.71
4/10/2019		853.70	899.14	898.69	877.90	909.72	905.12
5/9/2019		854.14	899.62	899.01	878.14	909.81	906.14
6/10/2019		853.16	898.12	898.01	878.01	909.02	905.22
7/23/2019		853.10	899.14	897.96	877.81	909.87	906.18
8/21/2019		853.86	899.24	899.00	878.14	909.65	905.76
9/13/2019		853.40	899.10	898.76	878.01	909.10	906.01
10/4/2019		853.96	900.06	899.44	879.60	910.14	906.64
11/21/2019		854.06	901.14	901.24	880.02	911.23	906.99
12/16/2019		854.14	901.69	901.78	880.92	910.87	907.89

TOC: Top of Casing Elevation

TD: Total Depth of the Leachate Piezometer.

BTM: Base of the Leachate Piezometer

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Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ - 4	LPZ - 5	LPZ - 6	LPZ - 7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/16/2020	Removed	854.68	900.69	899.29	879.48	910.14	906.94
2/19/2020		854.80	899.26	899.48	879.01	910.87	906.36
3/2/2020		855.07	898.32	900.07	879.71	911.06	905.70
4/10/2020		853.84	898.90	901.17	879.38	911.12	903.92
5/20/2020		854.19	899.14	900.20	878.69	910.60	904.35
6/11/2020		853.10	897.44	898.81	877.12	909.81	902.18
7/16/2020		852.96	895.80	896.80	876.42	908.76	901.18
8/6/2020		853.86	896.91	898.11	878.07	909.92	902.86
9/24/2020		854.17	898.05	899.77	879.21	910.18	904.77
10/15/2020		854.99	899.42	900.48	879.05	909.91	904.86
11/19/2020		855.18	899.14	900.68	879.36	909.77	904.42
12/28/2020		854.80	898.69	899.77	878.92	910.46	905.01

Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ - 4	LPZ - 5	LPZ - 6	LPZ - 7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/14/2021	Removed	852.59	898.41	898.44	878.31	912.19	904.37
2/18/2021		850.11	898.07	898.34	877.01	912.34	904.70
3/15/2021		850.90	898.00	898.68	877.69	912.89	904.41
4/13/2021		851.14	897.69	899.01	877.30	912.12	904.11
5/4/2021		850.10	898.69	898.41	877.76	911.87	903.96
6/4/2021		849.86	897.91	898.01	876.85	910.85	903.41
7/8/2021		849.70	897.22	898.32	876.89	910.33	903.56
8/18/2021		849.49	898.11	897.29	876.69	910.01	903.91
9/14/2021		849.07	898.45	869.87	876.55	909.48	904.58
10/19/2021		849.14	899.01	897.46	877.14	909.98	905.15
11/17/2021		850.11	898.76	897.70	876.46	909.72	904.69
12/21/2021		850.76	899.14	898.69	877.50	910.11	904.98

Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ - 4	LPZ - 5	LPZ - 6	LPZ - 7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/17/2022	Removed	849.14	898.69	897.16	876.49	909.17	904.11
2/8/2022		frozen	897.10	frozen	876.10	frozen	903.85
3/14/2022		850.68	899.14	897.89	877.01	909.98	905.16
4/15/2022		850.29	899.60	897.53	877.67	904.19	903.90
5/19/2022		853.85	898.76	899.33	878.10	913.24	903.13
6/22/2022		852.68	898.12	898.69	877.56	909.76	902.86
7/18/2022		850.14	897.84	897.76	876.93	907.96	902.71
8/15/2022		849.86	897.14	897.01	877.12	908.12	901.89
9/14/2022		849.47	896.89	897.92	877.01	907.02	901.64
10/25/2022		850.10	897.99	898.14	877.36	909.01	902.78
11/21/2022		850.86	898.27	898.76	877.91	908.86	902.57
12/6/2022		850.26	898.69	899.04	877.68	909.17	902.89

TOC: Top of Casing Elevation

TD: Total Depth of the Leachate Piezometer.

BTM: Base of the Leachate Piezometer

Table 12
Leachate Level Measurements
Annual Water Quality Report
Benton County Sanitary Landfill
Permit No. 06-SDP-02-81P

Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ - 4	LPZ - 5	LPZ - 6	LPZ - 7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/18/2023	Removed	849.79	899.26	898.91	877.89	909.38	903.46
2/8/2023		850.08	899.02	898.14	877.69	frozen	904.37
3/14/2023		850.95	898.72	897.69	877.25	909.70	904.20
4/18/2023		849.59	899.47	897.77	877.79	911.14	903.02
5/17/2023		850.68	898.74	897.72	877.99	910.70	903.60
6/14/2023		850.26	899.31	898.01	878.25	910.64	904.07
7/10/2023		Removed	899.18	898.00	878.01	910.36	903.86
8/4/2023			898.72	897.70	877.64	910.35	904.89
9/19/2023			898.02	897.35	877.91	910.10	903.16
10/23/2023			898.64	897.62	877.14	909.14	902.91
11/14/2023			897.98	897.14	877.08	910.16	903.21
12/4/2023			899.37	898.41	877.69	910.70	903.72

Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ - 4	LPZ - 5	LPZ - 6	LPZ - 7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/5/2024	Removed	Removed	898.41	896.21	877.08	910.14	904.02
2/15/2024			899.69	896.89	878.91	911.15	904.20
3/14/2024			899.54	897.51	878.21	910.98	903.17
4/10/2024			899.01	897.31	877.76	908.98	903.76
5/1/2024			898.76	897.11	877.31	907.92	904.56
6/6/2024			899.31	898.16	878.01	906.14	905.11
7/17/2024			901.14	897.57	878.16	908.01	904.98
8/8/2024			898.72	896.35	877.76	908.76	905.14
9/18/2024			897.99	895.99	877.99	907.00	905.97
10/16/2024			897.52	895.72	878.26	907.14	905.46
11/21/2024			898.46	896.01	878.70	907.69	905.89
12/18/2024			898.64	895.89	878.10	906.14	904.73

Date	LPZ - 1	LPZ - 2	LPZ - 3	LPZ - 4	LPZ - 5	LPZ - 6	LPZ - 7
TOC	874.54	868.05	909.16	914.13	890.07	922.45	918.82
TD	19.00	22.90	31.00	23.70	18.70	44.70	24.10
BTM	855.54	845.15	878.16	890.43	871.37	877.75	894.72
1/17/2025	Removed	Removed	898.72	897.01	878.14	911.12	903.89
2/11/2025			900.69	897.46	878.36	910.90	904.71
3/12/2025			900.01	898.26	879.40	911.14	904.12
4/16/2025			901.30	898.76	878.52	911.55	905.23
5/20/2025			900.44	897.99	878.26	911.26	905.76
6/10/2025			901.36	898.76	877.98	911.01	905.26
7/14/2025			902.89	898.91	878.88	910.53	904.89
8/5/2025			903.64	899.98	879.23	912.46	906.14
9/11/2025			902.72	897.64	877.89	911.91	904.89
10/22/2025			901.18	896.11	875.14	910.93	903.25
11/19/2025			902.14	897.70	876.96	912.01	904.14
12/22/2025			901.89	898.95	877.88	912.68	905.01

TOC: Top of Casing Elevation

TD: Total Depth of the Leachate Piezometer.

BTM: Base of the Leachate Piezometer

Table 13 – Gas Monitoring Summary

Table 13
Explosive Gas Monitoring
Annual Water Quality Report
Benton County Sanitary Landfill
Permit No. 06-SDP-02-81P

Readings are % LEL

Point Number	Location/Date	3/24/25	6/10/25	9/11/25	12/22/25
1	GMP-N (50' west of MW-6)	0	0	0	0
2	GMP-S (Due south of MW-14 at driveway)	0	0	0	0
3	GMP-W (Due west of LPZ-3; north of MW-22)	0	0	0	0
4	GMP-E (Due east of MW-19)	0	0	0	0
5	BLDG-1 (Scalehouse)	0	0	0	0
6	BLDG-2 (Shop and cold storage building)	0	0	0	0
7	GU-1 (Former SW3 42" RCP manhole)	0	0	0	0
8	GMW-1 (North facility property boundary 50' west of MW-6)	0	0	0	0
9	GMW-2 (East facility property boundary due east of MW-19)	0	0	0	0
10	GMW-3 (Due south of MW-14 at south fill site fence line)	0	0	0	0
11	GMW-4 (Due west of LPZ-3 at west fill site boundary; north of MW-22)	0	0	0	0
12	BLDG-3 (Scale pit)	0	0	0	0
13	BLDG-4 (Basement of scalehouse)	0	0	0	0

Appendix A
Field Sampling Forms

**Benton County Sanitary Landfill
PERMIT # 06-SDP-02-81P**

3/6/2025

Sampled by: Todd Whipple

Weather conditions: Sunny, calm 28-44 degrees

IDNR Form 542-1322

Monitoring Well: MW-6 (ug)

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	926.4
Well Depth	32.36
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	926.4
Well Depth	32.36
Top Screen	904.04
Bottom Screen	894.04
Bottom Well	894.04
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	
Top sample	926.40
Bottom sample	922.40
Turbidity(NTU)	

Date	Time	Water Level	Water Elevation	Notes
3/6/2025		20.25	906.15	
		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	10		0.00
Appendix I	Metals	150	150		0.00
Appendix I	VOC	240	240		0.00
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	Sulfide, Tin	250			
Supplemental	BEHP	1 - qt			
Total			400	0	

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

TOC	926.40	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	32.36	Before purging	3/6/2025	0:00	20.25	906.15		0.0	
		After purging				926.40			
		Top of Screen after construction				904.04			
						2.11			feet above (+) or below (-) top screen
		Bottom of Well after construction				894.04			
		Bottom of Well	3/6/2025			926.40			
						32.36			feet sedimentation
		Before Sampling				926.40			
		Recovery				926.40			
		Recovery				926.40			
		Recovery				926.40			
		Recovery				926.40			

IDNR Form 542-1322

Monitoring Well: AW-2 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	911.22
Well Depth	22.75
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	911.25
Well Depth	22.75
Top Screen	903.47
Bottom Screen	888.47
Bottom Well	888.47
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	16.00
Top sample	895.25
Bottom sample	891.25
Turbidity(NTU)	5.14

Date	Time	Water Level	Water Elevation	Notes
3/6/2025	13:08	14.04	897.18	

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		5.14
Appendix I	Metals	150	150		5.14
Appendix I	VOC	240	240		5.14
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	Cyanide	250			
Supplemental		1 - qt			
Total			400	0	

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

TOC	911.22	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	22.75	Before purging	3/6/2025	13:08	14.04	897.18		0.0	
		After purging				911.22			
		Top of Screen after construction				903.47			
						-6.29	feet above (+) or below (-) top screen		
		Bottom of Well after construction				888.47			
		Bottom of Well	3/6/2025		21.70	889.52			
						1.05	feet sedimentation		
		Before Sampling				911.22			
		Recovery				911.22			
		Recovery				911.22			
		Recovery				911.22			
		Recovery				911.22			

Monitoring Well: AW-3 (dg)

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

GENERAL INFORMATION

TOC	912.46
Well Depth	23.35
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	912.46
Well Depth	23.35
Top Screen	904.11
Bottom Screen	889.11
Bottom Well	889.11
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	18.00
Top sample	894.46
Bottom sample	890.46
Turbidity(NTU)	11.93

Date	Time	Water Level	Water Elevation	Notes
3/6/2025	13:35	13.99	898.47	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		11.93
Appendix I	Metals	150	150		11.93
Appendix I	VOC	240	240		11.93
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	250			
Supplemental		1 - qt			
Total			400	0	

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

TOC	912.46	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	23.35	Before purging	3/6/2025	13:35	13.99	898.47		0.0	
		After purging				912.46			
		Top of Screen after construction				904.11			
						-5.64			feet above (+) or below (-) top screen
		Bottom of Well after construction				889.11			
		Bottom of Well	3/6/2025		23.70	888.76			
						-0.35			feet sedimentation
		Before Sampling				912.46			App I
		Recovery				912.46			Supplemental
		Recovery				912.46			
		Recovery				912.46			
		Recovery				912.46			

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	861.74
Well Depth	18.60
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	861.74
Well Depth	18.60
Top Screen	853.14
Bottom Screen	843.14
Bottom Well	843.14
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	14.00
Top sample	847.74
Bottom sample	843.74
Turbidity(NTU)	33.66

Date	Time	Water Level	Water Elevation	Notes
3/6/2025	12:16	4.9	856.84	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		33.66
Appendix I	Metals	150	150		33.66
Appendix I	VOC	240	240		33.66
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		250			
Supplemental		1 - qt			
Total			400	0	

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

TOC	861.74	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	18.60	Before purging	3/6/2025	12:16	4.9	856.84		0.0	
		After purging				861.74			
		Top of Screen after construction				853.14			
						3.70			feet above (+) or below (-) top screen
		Bottom of Well after construction				843.14			
		Bottom of Well	3/6/2025		19.30	842.44			
						-0.70			feet sedimentation
		Before Sampling				861.74			
		Recovery				861.74			
		Recovery				861.74			
		Recovery				861.74			
		Recovery				861.74			

IDNR Form 542-1322

Monitoring Well: MW-14 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	871.5
Well Depth	20.21
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	871.5
Well Depth	20.21
Top Screen	861.29
Bottom Screen	851.29
Bottom Well	851.29
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	15.00
Top sample	856.50
Bottom sample	852.50
Turbidity(NTU)	1.97

Date	Time	Water Level	Water Elevation	Notes
3/6/2025	12:32	5.03	866.47	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.97
Appendix I	Metals	150	150		1.97
Appendix I	VOC	240	240		1.97
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	Cyanide	250			
Supplemental		1 - qt			
Total			400	0	

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

TOC	871.5	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	20.21	Before purging	3/6/2025	12:32	5.03	866.47		0.0	
		After purging				871.50			
		Top of Screen after construction				861.29			
						5.18	feet above (+) or below (-) top screen		
		Bottom of Well after construction				851.29			
		Bottom of Well	3/6/2025		20.20	851.30			
						0.01	feet sedimentation		
		Before Sampling				871.50			
		Recovery				871.50			
		Recovery				871.50			
		Recovery				871.50			
		Recovery				871.50			

IDNR Form 542-1322

Monitoring Well: MW-20 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	912.52
Well Depth	19.99
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	912.52
Well Depth	19.99
Top Screen	902.53
Bottom Screen	892.53
Bottom Well	892.53
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	16.00
Top sample	896.52
Bottom sample	892.52
Turbidity(NTU)	8.42

Date	Time	Water Level	Water Elevation	Notes
3/6/2025	12:53	16.04	896.48	

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		8.42
Appendix I	Metals	150	150		8.42
Appendix I	VOC	240	240		8.42
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	Sulfide	250	250		
Supplemental		1 - qt			
Total			650	0	

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

TOC	912.52	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	19.99	Before purging	3/6/2025	12:53	16.04	896.48		0.0	
		After purging				912.52			
		Top of Screen after construction				902.53			
						-6.05	feet above (+) or below (-) top screen		
		Bottom of Well after construction				892.53			
		Bottom of Well	3/6/2025		20.20	892.32			
						-0.21	feet sedimentation		
		Before Sampling				912.52			
		Recovery				912.52			
		Recovery				912.52			
		Recovery				912.52			
		Recovery				912.52			

IDNR Form 542-1322

Monitoring Well: MW-24 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	870.24
Well Depth	29.20
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	870.24
Well Depth	29.20
Top Screen	851.04
Bottom Screen	841.04
Bottom Well	841.04
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	22.00
Top sample	848.24
Bottom sample	844.24
Turbidity(NTU)	56.43

Date	Time	Water Level	Water Elevation	Notes
3/6/2025	11:58	11.70	858.54	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		56.43
Appendix I	Metals	150	150		56.43
Appendix I	VOC	240	240		56.43
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		250			
Supplemental		1 - qt			
Total			400	0	

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

TOC	870.24	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	29.20	Before purging	3/6/2025	11:58	11.7	858.54		0.0	
		After purging				870.24			
		Top of Screen after construction				851.04			
						7.50			feet above (+) or below (-) top screen
		Bottom of Well after construction				841.04			
		Bottom of Well	3/6/2025		29.50	840.74			
						-0.30			feet sedimentation
		Before Sampling				870.24			
		Recovery				870.24			
		Recovery				870.24			
		Recovery				870.24			
		Recovery				870.24			

IDNR Form 542-1322

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	852.02
Well Depth	23.18
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	852.02
Well Depth	23.20
Top Screen	843.80
Bottom Screen	828.80
Bottom Well	828.80
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	18.00
Top sample	834.02
Bottom sample	830.02
Turbidity(NTU)	2.41

Date	Time	Water Level	Water Elevation	Notes
3/6/2025	11:40	11.29	840.73	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		2.41
Appendix I	Metals	150	150		2.41
Appendix I	VOC	240	240		2.41
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	250			
Supplemental		1 - qt			
Total			400	0	

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

TOC	852.02	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	23.18	Before purging	3/6/2025	11:40	11.29	840.73		0.0	
		After purging				852.02			
		Top of Screen after construction				843.80			
						-3.07	feet above (+) or below (-) top screen		
		Bottom of Well after construction				828.80			
		Bottom of Well	3/6/2025		23.80	828.22			
						-0.58	feet sedimentation		
		Before Sampling				852.02			
		Recovery				852.02			
		Recovery				852.02			
		Recovery				852.02			
		Recovery				852.02			

IDNR Form 542-1322

Monitoring Well: MW-26 (ug)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	877.75
Well Depth	32.45
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	877.75
Well Depth	32.45
Top Screen	855.55
Bottom Screen	845.55
Bottom Well	845.30
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	27.00
Top sample	850.75
Bottom sample	846.75
Turbidity(NTU)	2.10

Date	Time	Water Level	Water Elevation	Notes
3/6/2025	9:40	16.78	860.97	

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		2.10
Appendix I	Metals	150	150		2.10
Appendix I	VOC	240	240		2.10
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		250			
Supplemental		1 - qt			
Total			400	0	

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

TOC	877.75	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	32.45	Before purging	3/6/2025	9:40	16.78	860.97		0.0	
		After purging				877.75			
		Top of Screen after construction				855.55			
						5.42			feet above (+) or below (-) top screen
		Bottom of Well after construction				845.30			
		Bottom of Well	3/6/2025		32.45	845.30			
						0.00			feet sedimentation
		Before Sampling				877.75			
		Recovery				877.75			
		Recovery				877.75			
		Recovery				877.75			
		Recovery				877.75			

IDNR Form 542-1322

Monitoring Well: MW-27 (ug)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	810.29
Well Depth	27.35
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	810.29
Well Depth	27.35
Top Screen	793.19
Bottom Screen	783.19
Bottom Well	782.94
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	21.50
Top sample	788.79
Bottom sample	784.79
Turbidity(NTU)	6.01

Date	Time	Water Level	Water Elevation	Notes
3/6/2025	10:10	8.64	801.65	

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		6.01
Appendix I	Metals	150	150		6.01
Appendix I	VOC	240	240		6.01
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		250			
Supplemental		1 - qt			
Total			400	0	

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

TOC	810.29	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	27.35	Before purging	3/6/2025	10:10	8.64	801.65		0.0	
		After purging				810.29			
		Top of Screen after construction				793.19			
						8.46			feet above (+) or below (-) top screen
		Bottom of Well after construction				782.94			
		Bottom of Well	3/6/2025		27.35	782.94			
						0.00			feet sedimentation
		Before Sampling				810.29			
		Recovery				810.29			
		Recovery				810.29			
		Recovery				810.29			
		Recovery				810.29			

IDNR Form 542-1322

Monitoring Well: MW-28 (ug)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	833.99
Well Depth	51.75
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	833.99
Well Depth	51.75
Top Screen	792.49
Bottom Screen	782.49
Bottom Well	782.24
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	46.00
Top sample	787.99
Bottom sample	783.99
Turbidity(NTU)	4.91

Date	Time	Water Level	Water Elevation	Notes
3/6/2025	10:50	27.56	806.43	

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			4.91
Appendix I	Metals	150			4.91
Appendix I	VOC	240			4.91
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		250			
Supplemental		1 - qt			
Total			0	0	

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

TOC	833.99	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	51.75	Before purging	3/6/2025	10:50	27.56	806.43		0.0	
		After purging				833.99			
		Top of Screen after construction				792.49			
						13.94			feet above (+) or below (-) top screen
		Bottom of Well after construction				782.24			
		Bottom of Well	3/6/2025		51.75	782.24			
						0.00			feet sedimentation
		Before Sampling				833.99			
		Recovery				833.99			
		Recovery				833.99			
		Recovery				833.99			
		Recovery				833.99			

IDNR Form 542-1322

Monitoring Well: MW-7 (ug)

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	926.25
Well Depth	67.70
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	926.25
Well Depth	67.70
Top Screen	868.55
Bottom Screen	858.55
Bottom Well	858.55
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	60.00
Top sample	866.25
Bottom sample	862.25
Turbidity(NTU)	2.67

Date	Time	Water Level	Water Elevation	Notes
3/6/2025	10:32	20.77	905.48	

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		2.67
Appendix I	Metals	150	150		2.67
Appendix I	VOC	240	240		2.67
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		250			
Supplemental		1 - qt			
Total			400	0	

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

TOC	926.25	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	67.70	Before purging	3/6/2025	10:32	20.77	905.48		0.0	
		After purging				833.99			
		Top of Screen after construction				868.55			
						36.93			feet above (+) or below (-) top screen
		Bottom of Well after construction				858.55			
		Bottom of Well	3/6/2025		67.70	858.55			
						0.00			feet sedimentation
		Before Sampling				833.99			
		Recovery				833.99			
		Recovery				833.99			
		Recovery				833.99			
		Recovery				833.99			

IDNR Form 542-1322

Monitoring Well: AW-9 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	907.49
Well Depth	25.45
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	907.49
Well Depth	25.45
Top Screen	897.04
Bottom Screen	882.04
Bottom Well	882.04
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	20.00
Top sample	887.49
Bottom sample	883.49
Turbidity(NTU)	36.48

roots

Date	Time	Water Level	Water Elevation	Notes
3/6/2025	13:19	7.83	899.66	

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		36.48
Appendix I	Metals	150	150		36.48
Appendix I	VOC	240	240		36.48
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		250			
Supplemental		1 - qt			
Total			400	0	

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

TOC	907.49	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	25.45	Before purging	3/6/2025	13:19	7.83	899.66		0.0	
		After purging				907.49			
		Top of Screen after construction				897.04			
						2.62			feet above (+) or below (-) top screen
		Bottom of Well after construction				882.04			
		Bottom of Well	3/6/2025		25.45	882.04			
						0.00			feet sedimentation
		Before Sampling				907.49			
		Recovery				907.49			
		Recovery				907.49			
		Recovery				907.49			
		Recovery				907.49			

IDNR Form 542-1322

Monitoring Well: AW-1

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	820.05
Well Depth	18.80
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	820.05
Well Depth	18.80
Top Screen	811.60
Bottom Screen	801.60
Bottom Well	801.25
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	13.80
Top sample	806.25
Bottom sample	802.25
Turbidity(NTU)	6.25

Date	Time	Water Level	Water Elevation	Notes
3/6/2025	11:11	13.44	806.61	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		6.25
Appendix I	Metals	150	150		6.25
Appendix I	VOC	240	240		6.25
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		250			
Supplemental		1 - qt			
Total			400	0	

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

TOC	820.05	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	18.80	Before purging	3/6/2025	11:11	13.44	806.61		0.0	
		After purging				820.05			
		Top of Screen after construction				811.60			
						-4.99	feet above (+) or below (-) top screen		
		Bottom of Well after construction				801.25			
		Bottom of Well	3/6/2025		18.80	801.25			
						0.00	feet sedimentation		
		Before Sampling				820.05			
		Recovery				820.05			
		Recovery				820.05			
		Recovery				820.05			
		Recovery				820.05			

IDNR Form 542-1322

Monitoring Well: MW-41

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	857.85
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	857.85
Well Depth	30.35
Top Screen	837.85
Bottom Screen	827.85
Bottom Well	827.50
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	24.00
Top sample	833.85
Bottom sample	829.85
Turbidity(NTU)	4.20

Date	Time	Water Level	Water Elevation	Notes
3/6/2025	11:28	15.86	841.99	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		4.20
Appendix I	Metals	150	150		4.20
Appendix I	VOC	240	240		4.20
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		250			
Supplemental		1 - qt			
Total			400	0	

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

TOC	857.85	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	30.35	Before purging	3/6/2025	11:28	15.86	841.99		0.0	
		After purging				857.85			
		Top of Screen after construction				837.85			
						4.14			feet above (+) or below (-) top screen
		Bottom of Well after construction				827.50			
		Bottom of Well	3/6/2025		30.35	827.50			
						0.00			feet sedimentation
		Before Sampling				857.85			
		Recovery				857.85			
		Recovery				857.85			
		Recovery				857.85			
		Recovery				857.85			

Benton County Sanitary Landfill
PERMIT # 06-SDP-02-81P

5/22/2025

Sampled by: Glenn Hunter

Weather conditions:

Overcast 54 degrees

IDNR Form 542-1322

Monitoring Well: AW-1

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	820.05
Well Depth	18.80
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	820.05
Well Depth	18.80
Top Screen	811.60
Bottom Screen	801.60
Bottom Well	801.25
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	13.00
Top sample	807.05
Bottom sample	803.05
Turbidity(NTU)	1.51

Date	Time	Water Level	Water Elevation	Notes
5/22/2025	13:13	13.82	806.23	

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		1.51
Appendix I	Metals	150	150		1.51
Appendix I	VOC	240			1.51
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		250			
Supplemental		1 - qt			
Total			160	0	

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

TOC	820.05	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	18.80	Before purging	5/22/2025	13:13	13.82	806.23		0.0	
		After purging				820.05			
		Top of Screen after construction				811.60			
						-5.37			feet above (+) or below (-) top screen
		Bottom of Well after construction				801.25			
		Bottom of Well	5/22/2025		18.80	801.25			
						0.00			feet sedimentation
		Before Sampling				820.05			
		Recovery				820.05			
		Recovery				820.05			
		Recovery				820.05			
		Recovery				820.05			

**Benton County Sanitary Landfill
PERMIT # 06-SDP-02-81P**

9/16/2025

Sampled by: Todd Whipple

Weather conditions: Sunny,slight breeze 90 degrees

IDNR Form 542-1322

Monitoring Well: MW-6 (ug)

Primary Sampling Method:

No-Purge for Appendix I

Secondary Sampling Method:

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	926.4
Well Depth	32.36
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	926.4
Well Depth	32.36
Top Screen	904.04
Bottom Screen	894.04
Bottom Well	894.04
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	27.00
Top sample	899.40
Bottom sample	895.40
Turbidity(NTU)	1.18

Date	Time	Water Level	Water Elevation	Notes
9/16/2025	11:19	18.2	908.2	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.18
Appendix I	Metals	150	150		1.18
Appendix I	VOC	240	240		1.18
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	Sulfide, Tin	250			
Supplemental	BEHP	1 - qt			
Total			400	0	

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

TOC	926.40	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	32.36	Before purging	9/16/2025	11:19	18.20	908.20		0.0	
		After purging				926.40			
		Top of Screen after construction				904.04			
						4.16			feet above (+) or below (-) top screen
		Bottom of Well after construction				894.04			
		Bottom of Well	9/16/2025		32.70	893.70			
						-0.34			feet sedimentation
		Before Sampling				926.40			
		Recovery				926.40			
		Recovery				926.40			
		Recovery				926.40			
		Recovery				926.40			

IDNR Form 542-1322

Monitoring Well: AW-2 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	911.22
Well Depth	22.75
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	911.25
Well Depth	22.75
Top Screen	903.47
Bottom Screen	888.47
Bottom Well	888.47
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	16.00
Top sample	895.25
Bottom sample	891.25
Turbidity(NTU)	3.19

Date	Time	Water Level	Water Elevation	Notes
9/16/2025	12:22	15.90	895.32	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		3.19
Appendix I	Metals	150	150		3.19
Appendix I	VOC	240	240		3.19
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	Cyanide	250			
Supplemental		1 - qt			
Total			400	0	

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

TOC	911.22	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	22.75	Before purging	9/16/2025	12:22	15.9	895.32		0.0	
		After purging				911.22			
		Top of Screen after construction				903.47			
						-8.15	feet above (+) or below (-) top screen		
		Bottom of Well after construction				888.47			
		Bottom of Well	9/16/2025		21.70	889.52			
						1.05	feet sedimentation		
		Before Sampling				911.22			
		Recovery				911.22			
		Recovery				911.22			
		Recovery				911.22			
		Recovery				911.22			

IDNR Form 542-1322

Monitoring Well: AW-3 (dg)

Primary Sampling Method:

Secondary Sampling Method:

No-Purge for Appendix I

Purge & Sample for all analytes beyond Appendix I

GENERAL INFORMATION

TOC	912.46
Well Depth	23.35
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	912.46
Well Depth	23.35
Top Screen	904.11
Bottom Screen	889.11
Bottom Well	889.11
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	18.00
Top sample	894.46
Bottom sample	890.46
Turbidity(NTU)	1.63

Date	Time	Water Level	Water Elevation	Notes
9/16/2025	11:42	14.68	897.78	

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		1.63
Appendix I	Metals	150	150		1.63
Appendix I	VOC	240	240		1.63
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	250			
Supplemental		1 - qt			
Total			400	0	

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

TOC	912.46	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	23.35	Before purging	9/16/2025	11:42	14.68	897.78		0.0	
		After purging				912.46			
		Top of Screen after construction				904.11			
						-6.33			feet above (+) or below (-) top screen
		Bottom of Well after construction				889.11			
		Bottom of Well	9/16/2025		23.70	888.76			
						-0.35			feet sedimentation
		Before Sampling				912.46			App I
		Recovery				912.46			Supplemental
		Recovery				912.46			
		Recovery				912.46			
		Recovery				912.46			

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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	861.74
Well Depth	18.60
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	861.74
Well Depth	18.60
Top Screen	853.14
Bottom Screen	843.14
Bottom Well	843.14
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	14.00
Top sample	847.74
Bottom sample	843.74
Turbidity(NTU)	16.11

Date	Time	Water Level	Water Elevation	Notes
9/16/2025	13:06	5.6	856.14	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		16.11
Appendix I	Metals	150	150		16.11
Appendix I	VOC	240	240		16.11
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		250			
Supplemental		1 - qt			
Total			400	0	

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

TOC	861.74	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	18.60	Before purging	9/16/2025	13:06	5.6	856.14		0.0	
		After purging				861.74			
		Top of Screen after construction				853.14			
						3.00			feet above (+) or below (-) top screen
		Bottom of Well after construction				843.14			
		Bottom of Well	9/16/2025		19.30	842.44			
						-0.70			feet sedimentation
		Before Sampling				861.74			
		Recovery				861.74			
		Recovery				861.74			
		Recovery				861.74			
		Recovery				861.74			

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Monitoring Well: MW-14 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	871.5
Well Depth	20.21
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	871.5
Well Depth	20.21
Top Screen	861.29
Bottom Screen	851.29
Bottom Well	851.29
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	14.50
Top sample	857.00
Bottom sample	853.00
Turbidity(NTU)	0.93

Date	Time	Water Level	Water Elevation	Notes
9/16/2025	12:53	6.72	864.78	

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		0.93
Appendix I	Metals	150	150		0.93
Appendix I	VOC	240	240		0.93
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	Cyanide	250			
Supplemental		1 - qt			
Total			400	0	

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

TOC	871.5	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	20.21	Before purging	9/16/2025	12:53	6.72	864.78		0.0	
		After purging				871.50			
		Top of Screen after construction				861.29			
						3.49			feet above (+) or below (-) top screen
		Bottom of Well after construction				851.29			
		Bottom of Well	9/16/2025		20.20	851.30			
						0.01			feet sedimentation
		Before Sampling				871.50			
		Recovery				871.50			
		Recovery				871.50			
		Recovery				871.50			
		Recovery				871.50			

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Monitoring Well: MW-20 (dg)

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

GENERAL INFORMATION

TOC	912.52
Well Depth	19.99
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	912.52
Well Depth	19.99
Top Screen	902.53
Bottom Screen	892.53
Bottom Well	892.53
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	16.50
Top sample	896.02
Bottom sample	892.02
Turbidity(NTU)	1.79

Date	Time	Water Level	Water Elevation	Notes
9/16/2025	12:33	16.5	896.02	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.79
Appendix I	Metals	150	150		1.79
Appendix I	VOC	240	240		1.79
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	Sulfide	250	250		
Supplemental		1 - qt			
Total			650	0	

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

TOC	912.52	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	19.99	Before purging	9/16/2025	12:33	16.5	896.02		0.0	
		After purging				912.52			
		Top of Screen after construction				902.53			
						-6.51	feet above (+) or below (-) top screen		
		Bottom of Well after construction				892.53			
		Bottom of Well	9/16/2025		20.20	892.32			
						-0.21	feet sedimentation		
		Before Sampling				912.52			
		Recovery				912.52			
		Recovery				912.52			
		Recovery				912.52			
		Recovery				912.52			

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Monitoring Well: MW-24 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	870.24
Well Depth	29.20
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	870.24
Well Depth	29.20
Top Screen	851.04
Bottom Screen	841.04
Bottom Well	841.04
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	24.00
Top sample	846.24
Bottom sample	842.24
Turbidity(NTU)	31.42

Date	Time	Water Level	Water Elevation	Notes
9/16/2025	13:59	22.45	847.79	

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		31.42
Appendix I	Metals	150	150		31.42
Appendix I	VOC	240	240		31.42
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		250			
Supplemental		1 - qt			
Total			400	0	

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

TOC	870.24	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	29.20	Before purging	9/16/2025	13:59	22.5	847.79		0.0	
		After purging				870.24			
		Top of Screen after construction				851.04			
						-3.25	feet above (+) or below (-) top screen		
		Bottom of Well after construction				841.04			
		Bottom of Well	9/16/2025		29.50	840.74			
						-0.30	feet sedimentation		
		Before Sampling				870.24			
		Recovery				870.24			
		Recovery				870.24			
		Recovery				870.24			
		Recovery				870.24			

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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	852.02
Well Depth	23.18
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	852.02
Well Depth	23.20
Top Screen	843.80
Bottom Screen	828.80
Bottom Well	828.80
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	18.00
Top sample	834.02
Bottom sample	830.02
Turbidity(NTU)	1.20

Date	Time	Water Level	Water Elevation	Notes
9/16/2025	14:30	12.04	839.98	

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		1.20
Appendix I	Metals	150	150		1.20
Appendix I	VOC	240	240		1.20
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental	BEHP	250			
Supplemental		1 - qt			
Total			400	0	

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

TOC	852.02	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	23.18	Before purging	9/16/2025	14:30	12.04	839.98		0.0	
		After purging				852.02			
		Top of Screen after construction				843.80			
						-3.82	feet above (+) or below (-) top screen		
		Bottom of Well after construction				828.80			
		Bottom of Well	9/16/2025		23.80	828.22			
						-0.58	feet sedimentation		
		Before Sampling				852.02			
		Recovery				852.02			
		Recovery				852.02			
		Recovery				852.02			
		Recovery				852.02			

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Monitoring Well: MW-26 (ug)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	877.75
Well Depth	32.45
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	877.75
Well Depth	32.45
Top Screen	855.55
Bottom Screen	845.55
Bottom Well	845.30
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	27.00
Top sample	850.75
Bottom sample	846.75
Turbidity(NTU)	1.08

Date	Time	Water Level	Water Elevation	Notes
9/16/2025	10:50	18.27	859.48	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.08
Appendix I	Metals	150	150		1.08
Appendix I	VOC	240	240		1.08
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		250			
Supplemental		1 - qt			
Total			400	0	

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

TOC	877.75	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	32.45	Before purging	9/16/2025	10:50	18.27	859.48		0.0	
		After purging				877.75			
		Top of Screen after construction				855.55			
						3.93			feet above (+) or below (-) top screen
		Bottom of Well after construction				845.30			
		Bottom of Well	9/16/2025		32.45	845.30			
						0.00			feet sedimentation
		Before Sampling				877.75			
		Recovery				877.75			
		Recovery				877.75			
		Recovery				877.75			
		Recovery				877.75			

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Monitoring Well: MW-27 (ug)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	810.29
Well Depth	27.35
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	810.29
Well Depth	27.35
Top Screen	793.19
Bottom Screen	783.19
Bottom Well	782.94
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	22.00
Top sample	788.29
Bottom sample	784.29
Turbidity(NTU)	3.59

Date	Time	Water Level	Water Elevation	Notes
9/16/2025	11:05	10.15	800.14	

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		3.59
Appendix I	Metals	150	150		3.59
Appendix I	VOC	240	240		3.59
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		250			
Supplemental		1 - qt			
Total			400	0	

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

TOC	810.29	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	27.35	Before purging	9/16/2025	11:05	10.15	800.14		0.0	
		After purging				810.29			
		Top of Screen after construction				793.19			
						6.95			feet above (+) or below (-) top screen
		Bottom of Well after construction				782.94			
		Bottom of Well	9/16/2025		27.35	782.94			
						0.00			feet sedimentation
		Before Sampling				810.29			
		Recovery				810.29			
		Recovery				810.29			
		Recovery				810.29			
		Recovery				810.29			

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Monitoring Well: MW-28 (ug)

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

GENERAL INFORMATION

TOC	833.99
Well Depth	51.75
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	833.99
Well Depth	51.75
Top Screen	792.49
Bottom Screen	782.49
Bottom Well	782.24
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	
Top sample	833.99
Bottom sample	829.99
Turbidity(NTU)	

Date	Time	Water Level	Water Elevation	Notes
9/16/2025			833.99	Crops

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10			0.00
Appendix I	Metals	150			0.00
Appendix I	VOC	240			0.00
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		250			
Supplemental		1 - qt			
Total			0	0	

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

TOC	833.99	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	51.75	Before purging	9/16/2025	0:00	0.00	833.99		0.0	
		After purging				833.99			
		Top of Screen after construction				792.49			
						41.50			feet above (+) or below (-) top screen
		Bottom of Well after construction				782.24			
		Bottom of Well	9/16/2025			833.99			
						51.75			feet sedimentation
		Before Sampling				833.99			
		Recovery				833.99			
		Recovery				833.99			
		Recovery				833.99			
		Recovery				833.99			

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Monitoring Well: MW-7 (ug)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	926.25
Well Depth	67.70
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	926.25
Well Depth	67.70
Top Screen	868.55
Bottom Screen	858.55
Bottom Well	858.55
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	60.00
Top sample	866.25
Bottom sample	862.25
Turbidity(NTU)	1.11

Date	Time	Water Level	Water Elevation	Notes
9/16/2025	11:26	18.36	907.89	

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		1.11
Appendix I	Metals	150	150		1.11
Appendix I	VOC	240	240		1.11
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		250			
Supplemental		1 - qt			
Total			400	0	

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

TOC	926.25	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	67.70	Before purging	9/16/2025	11:26	18.36	907.89		0.0	
		After purging				833.99			
		Top of Screen after construction				868.55			
						39.34			feet above (+) or below (-) top screen
		Bottom of Well after construction				858.55			
		Bottom of Well	9/16/2025		67.70	858.55			
						0.00			feet sedimentation
		Before Sampling				833.99			
		Recovery				833.99			
		Recovery				833.99			
		Recovery				833.99			
		Recovery				833.99			

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Monitoring Well: AW-9 (dg)

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	907.49
Well Depth	25.45
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	907.49
Well Depth	25.45
Top Screen	897.04
Bottom Screen	882.04
Bottom Well	882.04
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	20.00
Top sample	887.49
Bottom sample	883.49
Turbidity(NTU)	22.57

roots

Date	Time	Water Level	Water Elevation	Notes
9/16/2025	12:03	12.91	894.58	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		22.57
Appendix I	Metals	150	150		22.57
Appendix I	VOC	240	240		22.57
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		250			
Supplemental		1 - qt			
Total			400	0	

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

TOC	907.49	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	25.45	Before purging	9/16/2025	12:03	12.91	894.58		0.0	
		After purging				907.49			
		Top of Screen after construction				897.04			
						-2.46	feet above (+) or below (-) top screen		
		Bottom of Well after construction				882.04			
		Bottom of Well	9/16/2025		25.60	881.89			
						-0.15	feet sedimentation		
		Before Sampling				907.49			
		Recovery				907.49			
		Recovery				907.49			
		Recovery				907.49			
		Recovery				907.49			

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Monitoring Well: AW-1

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	820.05
Well Depth	18.80
Capped	YES
Standing Water	NO
Litter	NO
Level Tape	Solinst 101
NTU Meter	Hach 2100P
No-Purge Equipment -	Solinst 429
Purge Equipment -	Waterra

NO PURGE METHOD

TOC	820.05
Well Depth	18.80
Top Screen	811.60
Bottom Screen	801.60
Bottom Well	801.25
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	14.90
Top sample	805.15
Bottom sample	801.15
Turbidity(NTU)	4.95

Date	Time	Water Level	Water Elevation	Notes
9/16/2025	13:33	14.85	805.2	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		4.95
Appendix I	Metals	150	150		4.95
Appendix I	VOC	240	240		4.95
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		250			
Supplemental		1 - qt			
Total			400	0	

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

TOC	820.05	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	18.80	Before purging	9/16/2025	13:33	14.85	805.20		0.0	
		After purging				820.05			
		Top of Screen after construction				811.60			
						-6.40			feet above (+) or below (-) top screen
		Bottom of Well after construction				801.25			
		Bottom of Well	9/16/2025		18.80	801.25			
						0.00			feet sedimentation
		Before Sampling				820.05			
		Recovery				820.05			
		Recovery				820.05			
		Recovery				820.05			
		Recovery				820.05			

IDNR Form 542-1322

Monitoring Well: MW-41

Primary Sampling Method:
Secondary Sampling Method:

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

GENERAL INFORMATION

TOC	857.85
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	857.85
Well Depth	30.35
Top Screen	837.85
Bottom Screen	827.85
Bottom Well	827.50
Sampler Length (ft)	4.00
Sampler Volume (mL)	440.00
Feet cordage	24.00
Top sample	833.85
Bottom sample	829.85
Turbidity(NTU)	1.88

Date	Time	Water Level	Water Elevation	Notes
9/16/2025	14:17	15.43	842.42	

ANALYTES, CONTAINERS, AND VOLUMES

Analyte		Required Volume (mL)	Volume Collected No-Purge (mL)	Volume Collected Purge & Sample (mL)	Turbidity this Container (NTU)
All	Field NTU	10	10		1.88
Appendix I	Metals	150	150		1.88
Appendix I	VOC	240	240		1.88
Full Appendix II	10 more containers	5620			
TSS	TSS	1000			
Supplemental		250			
Supplemental		1 - qt			
Total			400	0	

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

TOC	857.85	2" dia.	Date	Time	Depth	Elevation	Gallons	# of Vol.	Purged Dry?
Well Depth	30.35	Before purging	9/16/2025	14:17	15.43	842.42		0.0	
		After purging				857.85			
		Top of Screen after construction				837.85			
						4.57			feet above (+) or below (-) top screen
		Bottom of Well after construction				827.50			
		Bottom of Well	9/16/2025		30.35	827.50			
						0.00			feet sedimentation
		Before Sampling				857.85			
		Recovery				857.85			
		Recovery				857.85			
		Recovery				857.85			
		Recovery				857.85			

IDNR Form 542-1322

	Date	Time	Type	Flowing	Quantity			Discolored	Odor	Litter
GU-L	9/16/2025		Underdrain tile	yes	250 mL/50 sec				No	No
										Turbidity (NTU)
										1.43

Appendix B

Statistical Reports

Appendix B.1 – Spring Statistical Report

Results of the Ground Water Statistics for Benton County Sanitary Landfill

First Semi-Annual Monitoring Event in 2025

Prepared for:
Benton County Solid Waste Disposal Commission
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April 2025

INTRODUCTION

This report contains the results of the statistical analyses used to evaluate the ground water data obtained during the first semi-annual monitoring event in 2025 at Benton County Sanitary Landfill. The ground water at Benton County Sanitary Landfill is monitored by a network of wells including AW-1, AW-2, AW-3, AW-4, AW-9, MW-12, MW-14, MW-19, MW-20, MW-24, MW-25, MW-26, MW-27, MW-28, MW-41, MW-6, MW-7, and MW-9. Monitoring wells AW-1, AW-2, AW-3, AW-9, MW-12, MW-14, MW-20, MW-24, MW-25, MW-26, MW-27, MW-28, MW-41, and MW-7 were sampled on March 6, 2025 and analyzed for the parameters required by permit. The statistical plan is 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 Benton County Sanitary Landfill data. The statistical plan conforms with IAC 567, Chapter 113.10, USEPA Guidance document (*“Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Unified Guidance”*, March 2009), and the American Society for Testing and Materials (ASTM) standard D6312-98, *Developing Appropriate Statistical Approaches for Ground-Water Detection Monitoring Programs*.

Ground Water Monitoring Program

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 below.

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

Organic Compounds:

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

Inorganic constituents:

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

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

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

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

Ground water statistics are to be done on the inorganic constituents listed. The organic constituents are compared to maximum contaminant levels (MCLs) or practical quantitation limits (PQLs), in lieu of statistical comparisons to historical concentrations.

Interwell Statistics: Upgradient versus Downgradient Comparisons

Interwell statistics are appropriate when the upgradient and downgradient wells monitor the same ground water formation and there is similar variability in the upgradient and downgradient zones. Site prediction limits are determined by pooling the historical ground water data from hydraulically upgradient wells. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances. The type of prediction limit utilized (e.g., parametric or nonparametric) is based on the detection frequency and the data distribution of each parameter in the background data. The distribution of the background data is tested for normality using the Shapiro-Wilk test (Gibbons, 1994 and USEPA 1992). If the constituent is normally distributed, a normal prediction limit is used. If normality is rejected by the Shapiro-Wilk test, the background data is transformed by taking the natural logarithm. The Shapiro-Wilk test is then reapplied on the transformed data. If it is not rejected, lognormal prediction limits are used. If after transforming the data, normality is still rejected, nonparametric prediction limits are used for that analyte. The nonparametric prediction limit is the largest determination in the background measurements. For constituents where the background detection frequency is greater than 0% but less than 50%, nonparametric prediction limits will be used. If the detection frequency is 0% after 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-6, MW-7, MW-26, MW-27, and MW-28 during the period from October 2014 through the current data. A summary of the background data from monitoring wells MW-6, MW-7, MW-26, MW-27, and MW-28 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 AW-1, AW-2, AW-3, AW-9, MW-12, MW-14, MW-20, MW-24, MW-25, and MW-41, compared to the site prediction limits once sufficient data are available. Prediction limit exceedances are flagged with

asterisks. For the most current data, the site prediction limit exceedances detected are summarized in the Table below.

Summary of Prediction Limit Exceedances for the First Semi-Annual Monitoring Event in 2025

Well	Trace Metal	Result	Prediction Limit	Prediction Limit Type	Verified or Awaiting Verification
AW-1	Selenium, µg/L	47.7	4.0000	Nonparametric	Awaiting Verification
AW-3	Copper, µg/L	18.7	10.6000	Nonparametric	Awaiting Verification

The detection frequencies of the parameters in the up and down gradient monitoring wells are summarized in Table 3. Only barium was detected at a frequency greater than or equal to 50% in the upgradient well so only this metal was tested for normality. The remainder of the metals are rarely detected (less than 50%) in the upgradient wells so nonparametric prediction limits were used in those cases.

Table 4 summarizes the results of the Shapiro-Wilk test. Table 5 is a summary of the statistics and prediction limits determined for the metals. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

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

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

The 95% LCL for arsenic at AW-2 (27.214 µg/L) exceeds the USEPA MCL of 10 µg/L, though the current concentration (36.1 µg/L) does not exceed the site prediction limit of 51.3 µg/L.

The 95% LCL for cobalt at AW-2 (6.131 µg/L) exceeds the Iowa Statewide Standard of 2.1 µg/L, though the current concentration (10.3 µg/L) does not exceed the site prediction limit of 12.2 µg/L.

The 95% LCL for arsenic at AW-3 (17.649 µg/L) exceeds the USEPA MCL of 10 µg/L, though the current concentration (17.8 µg/L) does not exceed the site prediction limit of 51.3 µg/L.

The 95% LCL for arsenic at MW-20 (24.799 µg/L) exceeds the USEPA MCL of 10 µg/L, though the current concentration (41.9 µg/L) does not exceed the site prediction limit of 51.3 µg/L.

The 95% LCL for arsenic at MW-24 (16.368 µg/L) exceeds the USEPA MCL of 10 µg/L, though the current concentration (22.0 µg/L) does not exceed the site prediction limit of 51.3 µg/L.

The 95% LCL for cobalt at MW-24 (4.702 µg/L) exceeds the Iowa Statewide Standard of 2.1 µg/L, though the current concentration (6.6 µg/L) does not exceed the site prediction limit of 12.2 µg/L.

The calculated 95% LCLs for the remainder of the verified trace metal exceedances are below the respective GWPS.

Intrawell Comparisons

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 to control the number of false assessments.

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.

Many ground water 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 monitored 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. Nonparametric prediction limits are the largest value detected during background at that well for that parameter.

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 outliers have generally not been substantiated by either the resample events or the subsequent routine monitoring event.

The background data is tested for existing trends using Sen's slope test. 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 trace metals data for monitoring well MW24 were evaluated using the combined Shewhart-CUSUM control chart method. The background data previously included ground water 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 collected from October 2014 through 2022.

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 compared using the combined Shewhart-CUSUM control chart, there were no control limit exceedances detected.

The background range was tested for increasing trends using Sen’s Test. An increasing trend was detected in the background data for nickel at MW-24. For intrawell analysis, the site-wide false positive rate is 2% and the test becomes sensitive to 4 standard deviation unit increases 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 Benton County Sanitary Landfill during the first semi-annual monitoring event in 2025 are summarized below.

VOCs detected during the first semi-annual monitoring period in 2025

Well	VOC Detected	Result, µg/L	Reporting Limit, µg/L	Verified/ Awaiting verification	Water Quality Standard
AW-3	1,4-Dichlorobenzene	3.0	1	Verified	75 ^a
	2-Butanone	144	10	Awaiting Verification	4,000 ^b
	Acetone	18,000	2,000	Awaiting Verification	6,300 ^b
	Chloroethane	1.4	1	Verified	2800 ^b
MW-20	1,4-Dichlorobenzene	2.5	1	Verified	75 ^a
	Acetone	93.9	10	Awaiting Verification	6,300 ^b
	Benzene	1.9	1	Verified	5 ^a
	Chlorobenzene	2.7	1	Verified	100 ^a

a - USEPA MCL, b- Iowa Statewide Standard for a protected groundwater source

Historical detections from October 2014 to the present 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. The analysis was conducted to evaluate whether verified concentrations are significantly above the water quality standard. The 95% lower confidence limit (LCL) for the mean of the historical data was used to evaluate whether the regulated unit is in compliance with the ground-water protection standards under 40 CFR 264 (e.g. whether the verified constituent is detected at a significant level above the GWPS). An exceedance is verified if the LCL is above the Regulatory GWPS. The calculated 95% LCLs for each of the verified VOCs are below the respective GWPS (Attachment F).

Attachment A

Ground Water Data obtained during the First Semi-Annual Monitoring Event in 2025

Table 1

Analytical Data Summary for 3/6/2025

Constituents	Units	AW-1	AW-2	AW-3	AW-9	MW-12	MW-14	MW-20	MW-24	MW-25	MW-26	MW-27	MW-28	MW-41	MW-7
1,1,1,2-tetrachloroethane	ug/L	<1	<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
1,1,2,2-tetrachloroethane	ug/L	<1	<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
1,1-dichloroethane	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethene	ug/L	<1	<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
1,2-dibromo-3-chloropropane	ug/L	<5	<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
1,2-dichlorobenzene	ug/L	<1	<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
1,2-dichloropropane	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1.0	<1.0	3.0		<1.0	<1.0	2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-butanone	ug/L	<10	<10	144		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-hexanone	ug/L	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone	ug/L	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<10.0	<10.0	18000.0		<10.0	<10.0	93.9	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	ug/L	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, total	ug/L	<2	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic, total	ug/L	<4.0	36.1	17.8	<4.0	<4.0	<4.0	41.9	22.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Barium, total	ug/L	167.0	132.0	197.0		152.0	355.0	289.0	559.0	22.1	178.0	102.0	28.0	414.0	148.0
Benzene	ug/L	<1.0	<1.0	<1.0		<1.0	<1.0	1.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Beryllium, total	ug/L	<4	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromochloromethane	ug/L	<1	<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	<1
Bromoform	ug/L	<1	<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	<1
Cadmium, total	ug/L	<8	<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	<1
Carbon tetrachloride	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1.0	<1.0	<1.0		<1.0	<1.0	2.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	ug/L	<1.0	<1.0	1.4		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<8	<8	<8		<8	<8	<8	<8	<8	<8	<8	<8	<8	<8
Cis-1,2-dichloroethene	ug/L	<1	<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	<1
Cobalt, total	ug/L	<4	10.3	1.9	.5	.9	<4	.9	6.6	<4	<4	.4	<4	.9	<4
Copper, total	ug/L	4.0	<4.0	18.7		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<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	<1
Iodomethane	ug/L	<1	<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	<4
Methylene chloride	ug/L	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<4.0	9.3	7.1		11.4	5.3	<4.0	17.5	4.2	<4.0	<4.0	<4.0	<4.0	<4.0
Selenium, total	ug/L	47.7	<4.0	<4.0		<4.0	<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	<4	<4	<4	<4
Styrene	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide	mg/L							<.1							
Tetrachloroethene	ug/L	<1	<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	<2
Toluene	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethene	ug/L	<1	<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 3/6/2025

Constituents	Units	AW-1	AW-2	AW-3	AW-9	MW-12	MW-14	MW-20	MW-24	MW-25	MW-26	MW-27	MW-28	MW-41	MW-7
Trans-1,3-dichloropropene	ug/L	<1	<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	<5
Trichloroethene	ug/L	<1	<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	<1
Vanadium, total	ug/L	<20	<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	<5
Vinyl chloride	ug/L	<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	<2
Zinc, total	ug/L	<20	<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-26	10/31/2016	ND	2.0000		
Antimony, total	ug/L	MW-26	03/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-26	09/27/2017	ND	2.0000		
Antimony, total	ug/L	MW-26	03/14/2018	ND	2.0000		
Antimony, total	ug/L	MW-26	09/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-26	04/01/2019	ND	2.0000		
Antimony, total	ug/L	MW-26	09/12/2019	ND	2.0000		
Antimony, total	ug/L	MW-26	05/06/2020	ND	2.0000		
Antimony, total	ug/L	MW-26	09/03/2020	ND	2.0000		
Antimony, total	ug/L	MW-26	03/30/2021	ND	2.0000		
Antimony, total	ug/L	MW-26	09/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-26	03/31/2022	ND	2.0000		
Antimony, total	ug/L	MW-26	08/30/2022	ND	2.0000		
Antimony, total	ug/L	MW-26	03/07/2023	ND	2.0000		
Antimony, total	ug/L	MW-26	09/28/2023	ND	2.0000		
Antimony, total	ug/L	MW-26	03/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-26	10/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-26	03/06/2025	ND	2.0000		
Arsenic, total	ug/L	MW-26	10/31/2016	ND	4.0000		
Arsenic, total	ug/L	MW-26	03/16/2017	ND	4.0000		
Arsenic, total	ug/L	MW-26	09/27/2017	ND	4.0000		
Arsenic, total	ug/L	MW-26	03/14/2018	ND	4.0000		
Arsenic, total	ug/L	MW-26	09/12/2018	ND	4.0000		
Arsenic, total	ug/L	MW-26	04/01/2019	ND	4.0000		
Arsenic, total	ug/L	MW-26	09/12/2019	ND	4.0000		
Arsenic, total	ug/L	MW-26	05/06/2020	ND	4.0000		
Arsenic, total	ug/L	MW-26	09/03/2020	ND	4.0000		
Arsenic, total	ug/L	MW-26	03/30/2021	ND	4.0000		
Arsenic, total	ug/L	MW-26	09/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-26	03/31/2022	ND	4.0000		
Arsenic, total	ug/L	MW-26	08/30/2022	ND	4.0000		
Arsenic, total	ug/L	MW-26	03/07/2023	ND	4.0000		
Arsenic, total	ug/L	MW-26	09/28/2023	ND	4.0000		
Arsenic, total	ug/L	MW-26	03/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-26	10/02/2024	ND	4.0000		
Arsenic, total	ug/L	MW-26	03/06/2025	ND	4.0000		
Barium, total	ug/L	MW-26	10/31/2016		155.0000		
Barium, total	ug/L	MW-26	03/16/2017		161.0000		
Barium, total	ug/L	MW-26	09/27/2017		155.0000		
Barium, total	ug/L	MW-26	03/14/2018		201.0000		
Barium, total	ug/L	MW-26	09/12/2018		170.0000		
Barium, total	ug/L	MW-26	04/01/2019		176.0000		
Barium, total	ug/L	MW-26	09/12/2019		158.0000		
Barium, total	ug/L	MW-26	05/06/2020		158.0000		
Barium, total	ug/L	MW-26	09/03/2020		148.0000		
Barium, total	ug/L	MW-26	03/30/2021		154.0000		
Barium, total	ug/L	MW-26	09/08/2021		141.0000		
Barium, total	ug/L	MW-26	03/31/2022		178.0000		
Barium, total	ug/L	MW-26	08/30/2022		156.0000		
Barium, total	ug/L	MW-26	03/07/2023		174.0000		
Barium, total	ug/L	MW-26	09/28/2023		170.0000		
Barium, total	ug/L	MW-26	03/11/2024		188.0000		
Barium, total	ug/L	MW-26	10/02/2024		150.0000		
Barium, total	ug/L	MW-26	03/06/2025		178.0000		
Beryllium, total	ug/L	MW-26	10/31/2016	ND	4.0000		
Beryllium, total	ug/L	MW-26	03/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-26	09/27/2017	ND	4.0000		
Beryllium, total	ug/L	MW-26	03/14/2018	ND	4.0000		
Beryllium, total	ug/L	MW-26	09/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-26	04/01/2019	ND	4.0000		
Beryllium, total	ug/L	MW-26	09/12/2019	ND	4.0000		
Beryllium, total	ug/L	MW-26	05/06/2020	ND	4.0000		
Beryllium, total	ug/L	MW-26	09/03/2020	ND	4.0000		
Beryllium, total	ug/L	MW-26	03/30/2021	ND	4.0000		
Beryllium, total	ug/L	MW-26	09/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-26	03/31/2022	ND	4.0000		
Beryllium, total	ug/L	MW-26	08/30/2022	ND	4.0000		
Beryllium, total	ug/L	MW-26	03/07/2023	ND	4.0000		
Beryllium, total	ug/L	MW-26	09/28/2023	ND	4.0000		
Beryllium, total	ug/L	MW-26	03/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-26	10/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-26	03/06/2025	ND	4.0000		
Cadmium, total	ug/L	MW-26	10/31/2016	ND	0.8000		
Cadmium, total	ug/L	MW-26	03/16/2017	ND	0.8000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, total	ug/L	MW-26	09/27/2017	ND	0.8000		
Cadmium, total	ug/L	MW-26	03/14/2018	ND	0.8000		
Cadmium, total	ug/L	MW-26	09/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-26	04/01/2019	ND	0.8000		
Cadmium, total	ug/L	MW-26	09/12/2019	ND	0.8000		
Cadmium, total	ug/L	MW-26	05/06/2020	ND	0.8000		
Cadmium, total	ug/L	MW-26	09/03/2020	ND	0.8000		
Cadmium, total	ug/L	MW-26	03/30/2021	ND	0.8000		
Cadmium, total	ug/L	MW-26	09/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-26	03/31/2022	ND	0.8000		
Cadmium, total	ug/L	MW-26	08/30/2022	ND	0.8000		
Cadmium, total	ug/L	MW-26	03/07/2023	ND	0.8000		
Cadmium, total	ug/L	MW-26	09/28/2023	ND	0.8000		
Cadmium, total	ug/L	MW-26	03/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-26	10/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-26	03/06/2025	ND	0.8000		
Chromium, total	ug/L	MW-26	10/31/2016	ND	8.0000		
Chromium, total	ug/L	MW-26	03/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-26	09/27/2017	ND	8.0000		
Chromium, total	ug/L	MW-26	03/14/2018	ND	8.0000		
Chromium, total	ug/L	MW-26	09/12/2018	ND	8.0000		
Chromium, total	ug/L	MW-26	04/01/2019	ND	8.0000		
Chromium, total	ug/L	MW-26	09/12/2019	ND	8.0000		
Chromium, total	ug/L	MW-26	05/06/2020	ND	8.0000		
Chromium, total	ug/L	MW-26	09/03/2020	ND	8.0000		
Chromium, total	ug/L	MW-26	03/30/2021	ND	8.0000		
Chromium, total	ug/L	MW-26	09/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-26	03/31/2022	ND	8.0000		
Chromium, total	ug/L	MW-26	08/30/2022	ND	8.0000		
Chromium, total	ug/L	MW-26	03/07/2023	ND	8.0000		
Chromium, total	ug/L	MW-26	09/28/2023	ND	8.0000		
Chromium, total	ug/L	MW-26	03/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-26	10/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-26	03/06/2025	ND	8.0000		
Cobalt, total	ug/L	MW-26	10/31/2016	ND	0.8000	0.4000	**
Cobalt, total	ug/L	MW-26	03/16/2017	ND	0.8000	0.4000	**
Cobalt, total	ug/L	MW-26	09/27/2017	ND	0.8000	0.4000	**
Cobalt, total	ug/L	MW-26	03/14/2018	ND	2.0000		*
Cobalt, total	ug/L	MW-26	09/12/2018	ND	0.8000	0.4000	**
Cobalt, total	ug/L	MW-26	04/01/2019	ND	0.8000	0.4000	**
Cobalt, total	ug/L	MW-26	09/12/2019	ND	0.8000	0.4000	**
Cobalt, total	ug/L	MW-26	05/06/2020	ND	0.4000		
Cobalt, total	ug/L	MW-26	09/03/2020	ND	0.4000		
Cobalt, total	ug/L	MW-26	03/30/2021	ND	0.4000		
Cobalt, total	ug/L	MW-26	09/08/2021	ND	0.4000		
Cobalt, total	ug/L	MW-26	03/31/2022	ND	0.4000		
Cobalt, total	ug/L	MW-26	08/30/2022	ND	0.4000		
Cobalt, total	ug/L	MW-26	03/07/2023	ND	0.4000		
Cobalt, total	ug/L	MW-26	09/28/2023	ND	0.4000		
Cobalt, total	ug/L	MW-26	03/11/2024	ND	0.4000		
Cobalt, total	ug/L	MW-26	10/02/2024	ND	0.4000		
Cobalt, total	ug/L	MW-26	03/06/2025	ND	0.4000		
Copper, total	ug/L	MW-26	10/31/2016	ND	4.0000		
Copper, total	ug/L	MW-26	03/16/2017	ND	4.0000		
Copper, total	ug/L	MW-26	09/27/2017	ND	4.0000		
Copper, total	ug/L	MW-26	03/14/2018	ND	4.0000		
Copper, total	ug/L	MW-26	09/12/2018	ND	4.0000		
Copper, total	ug/L	MW-26	04/01/2019	ND	4.0000		
Copper, total	ug/L	MW-26	09/12/2019	ND	4.0000		
Copper, total	ug/L	MW-26	05/06/2020	ND	4.0000		
Copper, total	ug/L	MW-26	09/03/2020	ND	4.0000		
Copper, total	ug/L	MW-26	03/30/2021	ND	4.0000		
Copper, total	ug/L	MW-26	09/08/2021	ND	4.0000		
Copper, total	ug/L	MW-26	03/31/2022	ND	4.0000		
Copper, total	ug/L	MW-26	08/30/2022	ND	4.0000		
Copper, total	ug/L	MW-26	03/07/2023	ND	4.0000		
Copper, total	ug/L	MW-26	09/28/2023	ND	4.0000		
Copper, total	ug/L	MW-26	03/11/2024	ND	4.0000		
Copper, total	ug/L	MW-26	10/02/2024	ND	4.0000		
Copper, total	ug/L	MW-26	03/06/2025	ND	4.0000		
Lead, total	ug/L	MW-26	10/31/2016	ND	4.0000		
Lead, total	ug/L	MW-26	03/16/2017	ND	4.0000		
Lead, total	ug/L	MW-26	09/27/2017	ND	4.0000		
Lead, total	ug/L	MW-26	03/14/2018	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead, total	ug/L	MW-26	09/12/2018	ND	4.0000		
Lead, total	ug/L	MW-26	04/01/2019	ND	4.0000		
Lead, total	ug/L	MW-26	09/12/2019	ND	4.0000		
Lead, total	ug/L	MW-26	05/06/2020	ND	4.0000		
Lead, total	ug/L	MW-26	09/03/2020	ND	4.0000		
Lead, total	ug/L	MW-26	03/30/2021	ND	4.0000		
Lead, total	ug/L	MW-26	09/08/2021	ND	4.0000		
Lead, total	ug/L	MW-26	03/31/2022	ND	4.0000		
Lead, total	ug/L	MW-26	08/30/2022	ND	4.0000		
Lead, total	ug/L	MW-26	03/07/2023	ND	4.0000		
Lead, total	ug/L	MW-26	09/28/2023	ND	4.0000		
Lead, total	ug/L	MW-26	03/11/2024	ND	4.0000		
Lead, total	ug/L	MW-26	10/02/2024	ND	4.0000		
Lead, total	ug/L	MW-26	03/06/2025	ND	4.0000		
Nickel, total	ug/L	MW-26	10/31/2016	ND	4.0000		
Nickel, total	ug/L	MW-26	03/16/2017	ND	4.0000		
Nickel, total	ug/L	MW-26	09/27/2017	ND	4.0000		
Nickel, total	ug/L	MW-26	03/14/2018	ND	4.0000		
Nickel, total	ug/L	MW-26	09/12/2018	ND	4.0000		
Nickel, total	ug/L	MW-26	04/01/2019	ND	4.0000		
Nickel, total	ug/L	MW-26	09/12/2019	ND	4.0000		
Nickel, total	ug/L	MW-26	05/06/2020	ND	4.0000		
Nickel, total	ug/L	MW-26	09/03/2020	ND	4.0000		
Nickel, total	ug/L	MW-26	03/30/2021	ND	4.0000		
Nickel, total	ug/L	MW-26	09/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-26	03/31/2022	ND	4.0000		
Nickel, total	ug/L	MW-26	08/30/2022	ND	4.0000		
Nickel, total	ug/L	MW-26	03/07/2023	ND	4.0000		
Nickel, total	ug/L	MW-26	09/28/2023	ND	4.0000		
Nickel, total	ug/L	MW-26	03/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-26	10/02/2024	ND	4.0000		
Nickel, total	ug/L	MW-26	03/06/2025	ND	4.0000		
Selenium, total	ug/L	MW-26	10/31/2016	ND	4.0000		
Selenium, total	ug/L	MW-26	03/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-26	09/27/2017	ND	4.0000		
Selenium, total	ug/L	MW-26	03/14/2018	ND	4.0000		
Selenium, total	ug/L	MW-26	09/12/2018	ND	4.0000		
Selenium, total	ug/L	MW-26	04/01/2019	ND	4.0000		
Selenium, total	ug/L	MW-26	09/12/2019	ND	4.0000		
Selenium, total	ug/L	MW-26	05/06/2020	ND	4.0000		
Selenium, total	ug/L	MW-26	09/03/2020	ND	4.0000		
Selenium, total	ug/L	MW-26	03/30/2021	ND	4.0000		
Selenium, total	ug/L	MW-26	09/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-26	03/31/2022	ND	4.0000		
Selenium, total	ug/L	MW-26	08/30/2022	ND	4.0000		
Selenium, total	ug/L	MW-26	03/07/2023	ND	4.0000		
Selenium, total	ug/L	MW-26	09/28/2023	ND	4.0000		
Selenium, total	ug/L	MW-26	03/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-26	10/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-26	03/06/2025	ND	4.0000		
Silver, total	ug/L	MW-26	10/31/2016	ND	4.0000		
Silver, total	ug/L	MW-26	03/16/2017	ND	4.0000		
Silver, total	ug/L	MW-26	09/27/2017	ND	4.0000		
Silver, total	ug/L	MW-26	03/14/2018	ND	4.0000		
Silver, total	ug/L	MW-26	09/12/2018	ND	4.0000		
Silver, total	ug/L	MW-26	04/01/2019	ND	4.0000		
Silver, total	ug/L	MW-26	09/12/2019	ND	4.0000		
Silver, total	ug/L	MW-26	05/06/2020	ND	4.0000		
Silver, total	ug/L	MW-26	09/03/2020	ND	4.0000		
Silver, total	ug/L	MW-26	03/30/2021	ND	4.0000		
Silver, total	ug/L	MW-26	09/08/2021	ND	4.0000		
Silver, total	ug/L	MW-26	03/31/2022	ND	4.0000		
Silver, total	ug/L	MW-26	08/30/2022	ND	4.0000		
Silver, total	ug/L	MW-26	03/07/2023	ND	4.0000		
Silver, total	ug/L	MW-26	09/28/2023	ND	4.0000		
Silver, total	ug/L	MW-26	03/11/2024	ND	4.0000		
Silver, total	ug/L	MW-26	10/02/2024	ND	4.0000		
Silver, total	ug/L	MW-26	03/06/2025	ND	4.0000		
Thallium, total	ug/L	MW-26	10/31/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-26	03/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-26	09/27/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-26	03/14/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-26	09/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-26	04/01/2019	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-26	09/12/2019	ND	2.0000		
Thallium, total	ug/L	MW-26	05/06/2020	ND	2.0000		
Thallium, total	ug/L	MW-26	09/03/2020	ND	2.0000		
Thallium, total	ug/L	MW-26	03/30/2021	ND	2.0000		
Thallium, total	ug/L	MW-26	09/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-26	03/31/2022	ND	2.0000		
Thallium, total	ug/L	MW-26	08/30/2022	ND	2.0000		
Thallium, total	ug/L	MW-26	03/07/2023	ND	2.0000		
Thallium, total	ug/L	MW-26	09/28/2023	ND	2.0000		
Thallium, total	ug/L	MW-26	03/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-26	10/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-26	03/06/2025	ND	2.0000		
Vanadium, total	ug/L	MW-26	10/31/2016	ND	20.0000		
Vanadium, total	ug/L	MW-26	03/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-26	09/27/2017	ND	20.0000		
Vanadium, total	ug/L	MW-26	03/14/2018	ND	20.0000		
Vanadium, total	ug/L	MW-26	09/12/2018	ND	20.0000		
Vanadium, total	ug/L	MW-26	04/01/2019	ND	20.0000		
Vanadium, total	ug/L	MW-26	09/12/2019	ND	20.0000		
Vanadium, total	ug/L	MW-26	05/06/2020	ND	20.0000		
Vanadium, total	ug/L	MW-26	09/03/2020	ND	20.0000		
Vanadium, total	ug/L	MW-26	03/30/2021	ND	20.0000		
Vanadium, total	ug/L	MW-26	09/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-26	03/31/2022	ND	20.0000		
Vanadium, total	ug/L	MW-26	08/30/2022	ND	20.0000		
Vanadium, total	ug/L	MW-26	03/07/2023	ND	20.0000		
Vanadium, total	ug/L	MW-26	09/28/2023	ND	20.0000		
Vanadium, total	ug/L	MW-26	03/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-26	10/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-26	03/06/2025	ND	20.0000		
Zinc, total	ug/L	MW-26	10/31/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-26	03/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-26	09/27/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-26	03/14/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-26	09/12/2018	ND	20.0000		
Zinc, total	ug/L	MW-26	04/01/2019	ND	20.0000		
Zinc, total	ug/L	MW-26	09/12/2019		12.5000		
Zinc, total	ug/L	MW-26	05/06/2020	ND	20.0000		
Zinc, total	ug/L	MW-26	09/03/2020	ND	20.0000		
Zinc, total	ug/L	MW-26	03/30/2021	ND	20.0000		
Zinc, total	ug/L	MW-26	09/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-26	03/31/2022	ND	20.0000		
Zinc, total	ug/L	MW-26	08/30/2022	ND	20.0000		
Zinc, total	ug/L	MW-26	03/07/2023	ND	20.0000		
Zinc, total	ug/L	MW-26	09/28/2023	ND	20.0000		
Zinc, total	ug/L	MW-26	03/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-26	10/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-26	03/06/2025	ND	20.0000		
Antimony, total	ug/L	MW-27	10/31/2016	ND	2.0000		
Antimony, total	ug/L	MW-27	03/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-27	09/27/2017	ND	2.0000		
Antimony, total	ug/L	MW-27	03/14/2018	ND	2.0000		
Antimony, total	ug/L	MW-27	09/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-27	04/01/2019	ND	2.0000		
Antimony, total	ug/L	MW-27	09/12/2019	ND	2.0000		
Antimony, total	ug/L	MW-27	05/06/2020	ND	2.0000		
Antimony, total	ug/L	MW-27	09/03/2020	ND	2.0000		
Antimony, total	ug/L	MW-27	03/30/2021	ND	2.0000		
Antimony, total	ug/L	MW-27	09/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-27	03/31/2022	ND	2.0000		
Antimony, total	ug/L	MW-27	08/30/2022	ND	2.0000		
Antimony, total	ug/L	MW-27	03/07/2023	ND	2.0000		
Antimony, total	ug/L	MW-27	09/28/2023	ND	2.0000		
Antimony, total	ug/L	MW-27	03/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-27	10/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-27	03/06/2025	ND	2.0000		
Arsenic, total	ug/L	MW-27	10/31/2016	ND	4.0000		
Arsenic, total	ug/L	MW-27	03/16/2017		9.3000		*
Arsenic, total	ug/L	MW-27	09/27/2017		84.4000		
Arsenic, total	ug/L	MW-27	12/13/2017		8.8000		
Arsenic, total	ug/L	MW-27	03/14/2018		43.9000		
Arsenic, total	ug/L	MW-27	09/12/2018		26.3000		
Arsenic, total	ug/L	MW-27	04/01/2019		51.3000		
Arsenic, total	ug/L	MW-27	09/12/2019		18.8000		

* - 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	
Arsenic, total	ug/L	MW-27	05/06/2020		9.2000		
Arsenic, total	ug/L	MW-27	09/03/2020	ND	4.0000		
Arsenic, total	ug/L	MW-27	03/30/2021		8.6000		
Arsenic, total	ug/L	MW-27	09/08/2021		5.6000		
Arsenic, total	ug/L	MW-27	03/31/2022	ND	4.0000		
Arsenic, total	ug/L	MW-27	08/30/2022		13.5000		
Arsenic, total	ug/L	MW-27	03/07/2023	ND	4.0000		
Arsenic, total	ug/L	MW-27	09/28/2023		5.3000		
Arsenic, total	ug/L	MW-27	03/11/2024		4.5000		
Arsenic, total	ug/L	MW-27	10/02/2024		5.2000		
Arsenic, total	ug/L	MW-27	03/06/2025	ND	4.0000		
Barium, total	ug/L	MW-27	10/31/2016		143.0000		
Barium, total	ug/L	MW-27	03/16/2017		113.0000		
Barium, total	ug/L	MW-27	09/27/2017		501.0000		
Barium, total	ug/L	MW-27	12/13/2017		134.0000		
Barium, total	ug/L	MW-27	03/14/2018		302.0000		
Barium, total	ug/L	MW-27	09/12/2018		189.0000		
Barium, total	ug/L	MW-27	04/01/2019		289.0000		
Barium, total	ug/L	MW-27	09/12/2019		182.0000		
Barium, total	ug/L	MW-27	05/06/2020		138.0000		
Barium, total	ug/L	MW-27	09/03/2020		124.0000		
Barium, total	ug/L	MW-27	03/30/2021		127.0000		
Barium, total	ug/L	MW-27	09/08/2021		111.0000		
Barium, total	ug/L	MW-27	03/31/2022		106.0000		
Barium, total	ug/L	MW-27	08/30/2022		134.0000		
Barium, total	ug/L	MW-27	03/07/2023		107.0000		
Barium, total	ug/L	MW-27	09/28/2023		112.0000		
Barium, total	ug/L	MW-27	03/11/2024		104.0000		
Barium, total	ug/L	MW-27	10/02/2024		111.0000		
Barium, total	ug/L	MW-27	03/06/2025		102.0000		
Beryllium, total	ug/L	MW-27	10/31/2016	ND	4.0000		
Beryllium, total	ug/L	MW-27	03/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-27	09/27/2017	ND	4.0000		
Beryllium, total	ug/L	MW-27	03/14/2018	ND	4.0000		
Beryllium, total	ug/L	MW-27	09/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-27	04/01/2019	ND	4.0000		
Beryllium, total	ug/L	MW-27	09/12/2019	ND	4.0000		
Beryllium, total	ug/L	MW-27	05/06/2020	ND	4.0000		
Beryllium, total	ug/L	MW-27	09/03/2020	ND	4.0000		
Beryllium, total	ug/L	MW-27	03/30/2021	ND	4.0000		
Beryllium, total	ug/L	MW-27	09/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-27	03/31/2022	ND	4.0000		
Beryllium, total	ug/L	MW-27	08/30/2022	ND	4.0000		
Beryllium, total	ug/L	MW-27	03/07/2023	ND	4.0000		
Beryllium, total	ug/L	MW-27	09/28/2023	ND	4.0000		
Beryllium, total	ug/L	MW-27	03/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-27	10/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-27	03/06/2025	ND	4.0000		
Cadmium, total	ug/L	MW-27	10/31/2016	ND	0.8000		
Cadmium, total	ug/L	MW-27	03/16/2017	ND	0.8000		
Cadmium, total	ug/L	MW-27	09/27/2017	ND	0.8000		
Cadmium, total	ug/L	MW-27	03/14/2018	ND	0.8000		
Cadmium, total	ug/L	MW-27	09/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-27	04/01/2019	ND	0.8000		
Cadmium, total	ug/L	MW-27	09/12/2019	ND	0.8000		
Cadmium, total	ug/L	MW-27	05/06/2020	ND	0.8000		
Cadmium, total	ug/L	MW-27	09/03/2020	ND	0.8000		
Cadmium, total	ug/L	MW-27	03/30/2021	ND	0.8000		
Cadmium, total	ug/L	MW-27	09/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-27	03/31/2022	ND	0.8000		
Cadmium, total	ug/L	MW-27	08/30/2022	ND	0.8000		
Cadmium, total	ug/L	MW-27	03/07/2023	ND	0.8000		
Cadmium, total	ug/L	MW-27	09/28/2023	ND	0.8000		
Cadmium, total	ug/L	MW-27	03/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-27	10/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-27	03/06/2025	ND	0.8000		
Chromium, total	ug/L	MW-27	10/31/2016	ND	8.0000		
Chromium, total	ug/L	MW-27	03/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-27	09/27/2017	ND	8.0000		
Chromium, total	ug/L	MW-27	03/14/2018	ND	8.0000		
Chromium, total	ug/L	MW-27	09/12/2018	ND	8.0000		
Chromium, total	ug/L	MW-27	04/01/2019	ND	8.0000		
Chromium, total	ug/L	MW-27	09/12/2019	ND	8.0000		
Chromium, total	ug/L	MW-27	05/06/2020	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-27	09/03/2020	ND	8.0000		
Chromium, total	ug/L	MW-27	03/30/2021	ND	8.0000		
Chromium, total	ug/L	MW-27	09/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-27	03/31/2022	ND	8.0000		
Chromium, total	ug/L	MW-27	08/30/2022	ND	8.0000		
Chromium, total	ug/L	MW-27	03/07/2023	ND	8.0000		
Chromium, total	ug/L	MW-27	09/28/2023	ND	8.0000		
Chromium, total	ug/L	MW-27	03/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-27	10/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-27	03/06/2025	ND	8.0000		
Cobalt, total	ug/L	MW-27	10/31/2016	ND	0.8000	0.4000	**
Cobalt, total	ug/L	MW-27	03/16/2017	ND	0.8000	0.4000	**
Cobalt, total	ug/L	MW-27	09/27/2017		1.3000		
Cobalt, total	ug/L	MW-27	03/14/2018	ND	2.0000	0.4000	**
Cobalt, total	ug/L	MW-27	09/12/2018	ND	0.8000	0.4000	**
Cobalt, total	ug/L	MW-27	04/01/2019		0.8000		
Cobalt, total	ug/L	MW-27	09/12/2019	ND	0.8000	0.4000	**
Cobalt, total	ug/L	MW-27	05/06/2020		1.0000		
Cobalt, total	ug/L	MW-27	09/03/2020		0.8000		
Cobalt, total	ug/L	MW-27	03/30/2021		0.7000		
Cobalt, total	ug/L	MW-27	09/08/2021		0.6000		
Cobalt, total	ug/L	MW-27	03/31/2022		0.7000		
Cobalt, total	ug/L	MW-27	08/30/2022		0.6000		
Cobalt, total	ug/L	MW-27	03/07/2023		0.7000		
Cobalt, total	ug/L	MW-27	09/28/2023		0.6000		
Cobalt, total	ug/L	MW-27	03/11/2024		0.7000		
Cobalt, total	ug/L	MW-27	10/02/2024		0.4000		
Cobalt, total	ug/L	MW-27	03/06/2025		0.4000		
Copper, total	ug/L	MW-27	10/31/2016	ND	4.0000		
Copper, total	ug/L	MW-27	03/16/2017	ND	4.0000		
Copper, total	ug/L	MW-27	09/27/2017		6.3000		
Copper, total	ug/L	MW-27	03/14/2018	ND	4.0000		
Copper, total	ug/L	MW-27	09/12/2018	ND	4.0000		
Copper, total	ug/L	MW-27	04/01/2019	ND	4.0000		
Copper, total	ug/L	MW-27	09/12/2019	ND	4.0000		
Copper, total	ug/L	MW-27	05/06/2020	ND	4.0000		
Copper, total	ug/L	MW-27	09/03/2020	ND	4.0000		
Copper, total	ug/L	MW-27	03/30/2021	ND	4.0000		
Copper, total	ug/L	MW-27	09/08/2021	ND	4.0000		
Copper, total	ug/L	MW-27	03/31/2022	ND	4.0000		
Copper, total	ug/L	MW-27	08/30/2022	ND	4.0000		
Copper, total	ug/L	MW-27	03/07/2023	ND	4.0000		
Copper, total	ug/L	MW-27	09/28/2023	ND	4.0000		
Copper, total	ug/L	MW-27	03/11/2024	ND	4.0000		
Copper, total	ug/L	MW-27	10/02/2024	ND	4.0000		
Copper, total	ug/L	MW-27	03/06/2025	ND	4.0000		
Lead, total	ug/L	MW-27	10/31/2016	ND	4.0000		
Lead, total	ug/L	MW-27	03/16/2017	ND	4.0000		
Lead, total	ug/L	MW-27	09/27/2017	ND	4.0000		
Lead, total	ug/L	MW-27	03/14/2018	ND	4.0000		
Lead, total	ug/L	MW-27	09/12/2018	ND	4.0000		
Lead, total	ug/L	MW-27	04/01/2019	ND	4.0000		
Lead, total	ug/L	MW-27	09/12/2019	ND	4.0000		
Lead, total	ug/L	MW-27	05/06/2020	ND	4.0000		
Lead, total	ug/L	MW-27	09/03/2020	ND	4.0000		
Lead, total	ug/L	MW-27	03/30/2021	ND	4.0000		
Lead, total	ug/L	MW-27	09/08/2021	ND	4.0000		
Lead, total	ug/L	MW-27	03/31/2022	ND	4.0000		
Lead, total	ug/L	MW-27	08/30/2022	ND	4.0000		
Lead, total	ug/L	MW-27	03/07/2023	ND	4.0000		
Lead, total	ug/L	MW-27	09/28/2023	ND	4.0000		
Lead, total	ug/L	MW-27	03/11/2024	ND	4.0000		
Lead, total	ug/L	MW-27	10/02/2024	ND	4.0000		
Lead, total	ug/L	MW-27	03/06/2025	ND	4.0000		
Nickel, total	ug/L	MW-27	10/31/2016	ND	4.0000		
Nickel, total	ug/L	MW-27	03/16/2017	ND	4.0000		
Nickel, total	ug/L	MW-27	09/27/2017	ND	4.0000		
Nickel, total	ug/L	MW-27	03/14/2018	ND	4.0000		
Nickel, total	ug/L	MW-27	09/12/2018	ND	4.0000		
Nickel, total	ug/L	MW-27	04/01/2019	ND	4.0000		
Nickel, total	ug/L	MW-27	09/12/2019	ND	4.0000		
Nickel, total	ug/L	MW-27	05/06/2020	ND	4.0000		
Nickel, total	ug/L	MW-27	09/03/2020	ND	4.0000		
Nickel, total	ug/L	MW-27	03/30/2021	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	
Nickel, total	ug/L	MW-27	09/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-27	03/31/2022	ND	4.0000		
Nickel, total	ug/L	MW-27	08/30/2022	ND	4.0000		
Nickel, total	ug/L	MW-27	03/07/2023	ND	4.0000		
Nickel, total	ug/L	MW-27	09/28/2023	ND	4.0000		
Nickel, total	ug/L	MW-27	03/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-27	10/02/2024	ND	4.0000		
Nickel, total	ug/L	MW-27	03/06/2025	ND	4.0000		
Selenium, total	ug/L	MW-27	10/31/2016	ND	4.0000		
Selenium, total	ug/L	MW-27	03/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-27	09/27/2017	ND	4.0000		
Selenium, total	ug/L	MW-27	03/14/2018	ND	4.0000		
Selenium, total	ug/L	MW-27	09/12/2018	ND	4.0000		
Selenium, total	ug/L	MW-27	04/01/2019	ND	4.0000		
Selenium, total	ug/L	MW-27	09/12/2019	ND	4.0000		
Selenium, total	ug/L	MW-27	05/06/2020	ND	4.0000		
Selenium, total	ug/L	MW-27	09/03/2020	ND	4.0000		
Selenium, total	ug/L	MW-27	03/30/2021	ND	4.0000		
Selenium, total	ug/L	MW-27	09/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-27	03/31/2022	ND	4.0000		
Selenium, total	ug/L	MW-27	08/30/2022	ND	4.0000		
Selenium, total	ug/L	MW-27	03/07/2023	ND	4.0000		
Selenium, total	ug/L	MW-27	09/28/2023	ND	4.0000		
Selenium, total	ug/L	MW-27	03/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-27	10/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-27	03/06/2025	ND	4.0000		
Silver, total	ug/L	MW-27	10/31/2016	ND	4.0000		
Silver, total	ug/L	MW-27	03/16/2017	ND	4.0000		
Silver, total	ug/L	MW-27	09/27/2017	ND	4.0000		
Silver, total	ug/L	MW-27	03/14/2018	ND	4.0000		
Silver, total	ug/L	MW-27	09/12/2018	ND	4.0000		
Silver, total	ug/L	MW-27	04/01/2019	ND	4.0000		
Silver, total	ug/L	MW-27	09/12/2019	ND	4.0000		
Silver, total	ug/L	MW-27	05/06/2020	ND	4.0000		
Silver, total	ug/L	MW-27	09/03/2020	ND	4.0000		
Silver, total	ug/L	MW-27	03/30/2021	ND	4.0000		
Silver, total	ug/L	MW-27	09/08/2021	ND	4.0000		
Silver, total	ug/L	MW-27	03/31/2022	ND	4.0000		
Silver, total	ug/L	MW-27	08/30/2022	ND	4.0000		
Silver, total	ug/L	MW-27	03/07/2023	ND	4.0000		
Silver, total	ug/L	MW-27	09/28/2023	ND	4.0000		
Silver, total	ug/L	MW-27	03/11/2024	ND	4.0000		
Silver, total	ug/L	MW-27	10/02/2024	ND	4.0000		
Silver, total	ug/L	MW-27	03/06/2025	ND	4.0000		
Thallium, total	ug/L	MW-27	10/31/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-27	03/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-27	09/27/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-27	03/14/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-27	09/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-27	04/01/2019	ND	2.0000		
Thallium, total	ug/L	MW-27	09/12/2019	ND	2.0000		
Thallium, total	ug/L	MW-27	05/06/2020	ND	2.0000		
Thallium, total	ug/L	MW-27	09/03/2020	ND	2.0000		
Thallium, total	ug/L	MW-27	03/30/2021	ND	2.0000		
Thallium, total	ug/L	MW-27	09/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-27	03/31/2022	ND	2.0000		
Thallium, total	ug/L	MW-27	08/30/2022	ND	2.0000		
Thallium, total	ug/L	MW-27	03/07/2023	ND	2.0000		
Thallium, total	ug/L	MW-27	09/28/2023	ND	2.0000		
Thallium, total	ug/L	MW-27	03/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-27	10/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-27	03/06/2025	ND	2.0000		
Vanadium, total	ug/L	MW-27	10/31/2016	ND	20.0000		
Vanadium, total	ug/L	MW-27	03/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-27	09/27/2017	ND	20.0000		
Vanadium, total	ug/L	MW-27	03/14/2018	ND	20.0000		
Vanadium, total	ug/L	MW-27	09/12/2018	ND	20.0000		
Vanadium, total	ug/L	MW-27	04/01/2019	ND	20.0000		
Vanadium, total	ug/L	MW-27	09/12/2019	ND	20.0000		
Vanadium, total	ug/L	MW-27	05/06/2020	ND	20.0000		
Vanadium, total	ug/L	MW-27	09/03/2020	ND	20.0000		
Vanadium, total	ug/L	MW-27	03/30/2021	ND	20.0000		
Vanadium, total	ug/L	MW-27	09/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-27	03/31/2022	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	
Vanadium, total	ug/L	MW-27	08/30/2022	ND	20.0000		
Vanadium, total	ug/L	MW-27	03/07/2023	ND	20.0000		
Vanadium, total	ug/L	MW-27	09/28/2023	ND	20.0000		
Vanadium, total	ug/L	MW-27	03/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-27	10/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-27	03/06/2025	ND	20.0000		
Zinc, total	ug/L	MW-27	10/31/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-27	03/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-27	09/27/2017		24.2000		
Zinc, total	ug/L	MW-27	12/13/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-27	03/14/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-27	09/12/2018		31.9000		
Zinc, total	ug/L	MW-27	04/01/2019	ND	20.0000		
Zinc, total	ug/L	MW-27	09/12/2019		8.2000		
Zinc, total	ug/L	MW-27	05/06/2020	ND	20.0000		
Zinc, total	ug/L	MW-27	09/03/2020	ND	20.0000		
Zinc, total	ug/L	MW-27	03/30/2021	ND	20.0000		
Zinc, total	ug/L	MW-27	09/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-27	03/31/2022	ND	20.0000		
Zinc, total	ug/L	MW-27	08/30/2022	ND	20.0000		
Zinc, total	ug/L	MW-27	03/07/2023	ND	20.0000		
Zinc, total	ug/L	MW-27	09/28/2023	ND	20.0000		
Zinc, total	ug/L	MW-27	03/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-27	10/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-27	03/06/2025	ND	20.0000		
Antimony, total	ug/L	MW-28	10/31/2016	ND	2.0000		
Antimony, total	ug/L	MW-28	03/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-28	03/14/2018	ND	2.0000		
Antimony, total	ug/L	MW-28	09/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-28	04/01/2019	ND	2.0000		
Antimony, total	ug/L	MW-28	05/06/2020	ND	2.0000		
Antimony, total	ug/L	MW-28	09/03/2020	ND	2.0000		
Antimony, total	ug/L	MW-28	03/30/2021	ND	2.0000		
Antimony, total	ug/L	MW-28	03/31/2022	ND	2.0000		
Antimony, total	ug/L	MW-28	03/07/2023	ND	2.0000		
Antimony, total	ug/L	MW-28	03/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-28	03/06/2025	ND	2.0000		
Arsenic, total	ug/L	MW-28	10/31/2016	ND	4.0000		
Arsenic, total	ug/L	MW-28	03/16/2017	ND	4.0000		
Arsenic, total	ug/L	MW-28	03/14/2018	ND	4.0000		
Arsenic, total	ug/L	MW-28	09/12/2018	ND	4.0000		
Arsenic, total	ug/L	MW-28	04/01/2019	ND	4.0000		
Arsenic, total	ug/L	MW-28	05/06/2020	ND	4.0000		
Arsenic, total	ug/L	MW-28	09/03/2020	ND	4.0000		
Arsenic, total	ug/L	MW-28	03/30/2021	ND	4.0000		
Arsenic, total	ug/L	MW-28	03/31/2022	ND	4.0000		
Arsenic, total	ug/L	MW-28	03/07/2023	ND	4.0000		
Arsenic, total	ug/L	MW-28	03/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-28	03/06/2025	ND	4.0000		
Barium, total	ug/L	MW-28	10/31/2016		37.1000		
Barium, total	ug/L	MW-28	03/16/2017		71.6000		
Barium, total	ug/L	MW-28	03/14/2018		50.3000		
Barium, total	ug/L	MW-28	09/12/2018		37.0000		
Barium, total	ug/L	MW-28	04/01/2019		35.1000		
Barium, total	ug/L	MW-28	05/06/2020		26.2000		
Barium, total	ug/L	MW-28	09/03/2020		24.6000		
Barium, total	ug/L	MW-28	03/30/2021		27.2000		
Barium, total	ug/L	MW-28	03/31/2022		31.1000		
Barium, total	ug/L	MW-28	03/07/2023		27.3000		
Barium, total	ug/L	MW-28	03/11/2024		26.5000		
Barium, total	ug/L	MW-28	03/06/2025		28.0000		
Beryllium, total	ug/L	MW-28	10/31/2016	ND	4.0000		
Beryllium, total	ug/L	MW-28	03/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-28	03/14/2018	ND	4.0000		
Beryllium, total	ug/L	MW-28	09/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-28	04/01/2019	ND	4.0000		
Beryllium, total	ug/L	MW-28	05/06/2020	ND	4.0000		
Beryllium, total	ug/L	MW-28	09/03/2020	ND	4.0000		
Beryllium, total	ug/L	MW-28	03/30/2021	ND	4.0000		
Beryllium, total	ug/L	MW-28	03/31/2022	ND	4.0000		
Beryllium, total	ug/L	MW-28	03/07/2023	ND	4.0000		
Beryllium, total	ug/L	MW-28	03/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-28	03/06/2025	ND	4.0000		
Cadmium, total	ug/L	MW-28	10/31/2016	ND	0.8000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, total	ug/L	MW-28	03/16/2017	ND	0.8000		
Cadmium, total	ug/L	MW-28	03/14/2018	ND	0.8000		
Cadmium, total	ug/L	MW-28	09/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-28	04/01/2019	ND	0.8000		
Cadmium, total	ug/L	MW-28	05/06/2020	ND	0.8000		
Cadmium, total	ug/L	MW-28	09/03/2020	ND	0.8000		
Cadmium, total	ug/L	MW-28	03/30/2021	ND	0.8000		
Cadmium, total	ug/L	MW-28	03/31/2022	ND	0.8000		
Cadmium, total	ug/L	MW-28	03/07/2023	ND	0.8000		
Cadmium, total	ug/L	MW-28	03/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-28	03/06/2025	ND	0.8000		
Chromium, total	ug/L	MW-28	10/31/2016	ND	8.0000		
Chromium, total	ug/L	MW-28	03/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-28	03/14/2018	ND	8.0000		
Chromium, total	ug/L	MW-28	09/12/2018	ND	8.0000		
Chromium, total	ug/L	MW-28	04/01/2019	ND	8.0000		
Chromium, total	ug/L	MW-28	05/06/2020	ND	8.0000		
Chromium, total	ug/L	MW-28	09/03/2020	ND	8.0000		
Chromium, total	ug/L	MW-28	03/30/2021	ND	8.0000		
Chromium, total	ug/L	MW-28	03/31/2022	ND	8.0000		
Chromium, total	ug/L	MW-28	03/07/2023	ND	8.0000		
Chromium, total	ug/L	MW-28	03/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-28	03/06/2025	ND	8.0000		
Cobalt, total	ug/L	MW-28	10/31/2016		0.9000		
Cobalt, total	ug/L	MW-28	03/16/2017		1.7000		
Cobalt, total	ug/L	MW-28	03/14/2018	ND	2.0000	0.4000	**
Cobalt, total	ug/L	MW-28	09/12/2018	ND	0.8000	0.4000	**
Cobalt, total	ug/L	MW-28	04/01/2019	ND	0.8000	0.4000	**
Cobalt, total	ug/L	MW-28	05/06/2020	ND	0.4000		
Cobalt, total	ug/L	MW-28	09/03/2020	ND	0.4000		
Cobalt, total	ug/L	MW-28	03/30/2021		0.6000		
Cobalt, total	ug/L	MW-28	03/31/2022		1.0000		
Cobalt, total	ug/L	MW-28	03/07/2023		0.4000		
Cobalt, total	ug/L	MW-28	03/11/2024	ND	0.4000		
Cobalt, total	ug/L	MW-28	03/06/2025	ND	0.4000		
Copper, total	ug/L	MW-28	10/31/2016	ND	4.0000		
Copper, total	ug/L	MW-28	03/16/2017	ND	4.0000		
Copper, total	ug/L	MW-28	03/14/2018	ND	4.0000		
Copper, total	ug/L	MW-28	09/12/2018	ND	4.0000		
Copper, total	ug/L	MW-28	04/01/2019	ND	4.0000		
Copper, total	ug/L	MW-28	05/06/2020	ND	4.0000		
Copper, total	ug/L	MW-28	09/03/2020	ND	4.0000		
Copper, total	ug/L	MW-28	03/30/2021	ND	4.0000		
Copper, total	ug/L	MW-28	03/31/2022	ND	4.0000		
Copper, total	ug/L	MW-28	03/07/2023	ND	4.0000		
Copper, total	ug/L	MW-28	03/11/2024	ND	4.0000		
Copper, total	ug/L	MW-28	03/06/2025	ND	4.0000		
Lead, total	ug/L	MW-28	10/31/2016	ND	4.0000		
Lead, total	ug/L	MW-28	03/16/2017	ND	4.0000		
Lead, total	ug/L	MW-28	03/14/2018	ND	4.0000		
Lead, total	ug/L	MW-28	09/12/2018	ND	4.0000		
Lead, total	ug/L	MW-28	04/01/2019	ND	4.0000		
Lead, total	ug/L	MW-28	05/06/2020	ND	4.0000		
Lead, total	ug/L	MW-28	09/03/2020	ND	4.0000		
Lead, total	ug/L	MW-28	03/30/2021	ND	4.0000		
Lead, total	ug/L	MW-28	03/31/2022	ND	4.0000		
Lead, total	ug/L	MW-28	03/07/2023	ND	4.0000		
Lead, total	ug/L	MW-28	03/11/2024	ND	4.0000		
Lead, total	ug/L	MW-28	03/06/2025	ND	4.0000		
Nickel, total	ug/L	MW-28	10/31/2016	ND	4.0000		
Nickel, total	ug/L	MW-28	03/16/2017	ND	4.0000		
Nickel, total	ug/L	MW-28	03/14/2018	ND	4.0000		
Nickel, total	ug/L	MW-28	09/12/2018	ND	4.0000		
Nickel, total	ug/L	MW-28	04/01/2019	ND	4.0000		
Nickel, total	ug/L	MW-28	05/06/2020	ND	4.0000		
Nickel, total	ug/L	MW-28	09/03/2020	ND	4.0000		
Nickel, total	ug/L	MW-28	03/30/2021		4.1000		
Nickel, total	ug/L	MW-28	03/31/2022	ND	4.0000		
Nickel, total	ug/L	MW-28	03/07/2023	ND	4.0000		
Nickel, total	ug/L	MW-28	03/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-28	03/06/2025	ND	4.0000		
Selenium, total	ug/L	MW-28	10/31/2016	ND	4.0000		
Selenium, total	ug/L	MW-28	03/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-28	03/14/2018	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	
Selenium, total	ug/L	MW-28	09/12/2018	ND	4.0000		
Selenium, total	ug/L	MW-28	04/01/2019	ND	4.0000		
Selenium, total	ug/L	MW-28	05/06/2020	ND	4.0000		
Selenium, total	ug/L	MW-28	09/03/2020	ND	4.0000		
Selenium, total	ug/L	MW-28	03/30/2021	ND	4.0000		
Selenium, total	ug/L	MW-28	03/31/2022	ND	4.0000		
Selenium, total	ug/L	MW-28	03/07/2023	ND	4.0000		
Selenium, total	ug/L	MW-28	03/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-28	03/06/2025	ND	4.0000		
Silver, total	ug/L	MW-28	10/31/2016	ND	4.0000		
Silver, total	ug/L	MW-28	03/16/2017	ND	4.0000		
Silver, total	ug/L	MW-28	03/14/2018	ND	4.0000		
Silver, total	ug/L	MW-28	09/12/2018	ND	4.0000		
Silver, total	ug/L	MW-28	04/01/2019	ND	4.0000		
Silver, total	ug/L	MW-28	05/06/2020	ND	4.0000		
Silver, total	ug/L	MW-28	09/03/2020	ND	4.0000		
Silver, total	ug/L	MW-28	03/30/2021	ND	4.0000		
Silver, total	ug/L	MW-28	03/31/2022	ND	4.0000		
Silver, total	ug/L	MW-28	03/07/2023	ND	4.0000		
Silver, total	ug/L	MW-28	03/11/2024	ND	4.0000		
Silver, total	ug/L	MW-28	03/06/2025	ND	4.0000		
Thallium, total	ug/L	MW-28	10/31/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	03/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	03/14/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	09/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	04/01/2019	ND	2.0000		
Thallium, total	ug/L	MW-28	05/06/2020	ND	2.0000		
Thallium, total	ug/L	MW-28	09/03/2020	ND	2.0000		
Thallium, total	ug/L	MW-28	03/30/2021	ND	2.0000		
Thallium, total	ug/L	MW-28	03/31/2022	ND	2.0000		
Thallium, total	ug/L	MW-28	03/07/2023	ND	2.0000		
Thallium, total	ug/L	MW-28	03/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-28	03/06/2025	ND	2.0000		
Vanadium, total	ug/L	MW-28	10/31/2016	ND	20.0000		
Vanadium, total	ug/L	MW-28	03/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-28	03/14/2018	ND	20.0000		
Vanadium, total	ug/L	MW-28	09/12/2018	ND	20.0000		
Vanadium, total	ug/L	MW-28	04/01/2019	ND	20.0000		
Vanadium, total	ug/L	MW-28	05/06/2020	ND	20.0000		
Vanadium, total	ug/L	MW-28	09/03/2020	ND	20.0000		
Vanadium, total	ug/L	MW-28	03/30/2021	ND	20.0000		
Vanadium, total	ug/L	MW-28	03/31/2022	ND	20.0000		
Vanadium, total	ug/L	MW-28	03/07/2023	ND	20.0000		
Vanadium, total	ug/L	MW-28	03/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-28	03/06/2025	ND	20.0000		
Zinc, total	ug/L	MW-28	10/31/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-28	03/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-28	03/14/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-28	09/12/2018		33.2000		
Zinc, total	ug/L	MW-28	04/01/2019	ND	20.0000		
Zinc, total	ug/L	MW-28	05/06/2020	ND	20.0000		
Zinc, total	ug/L	MW-28	09/03/2020	ND	20.0000		
Zinc, total	ug/L	MW-28	03/30/2021	ND	20.0000		
Zinc, total	ug/L	MW-28	03/31/2022	ND	20.0000		
Zinc, total	ug/L	MW-28	03/07/2023	ND	20.0000		
Zinc, total	ug/L	MW-28	03/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-28	03/06/2025	ND	20.0000		
Antimony, total	ug/L	MW-6	10/20/2014	ND	6.0000	2.0000	**
Antimony, total	ug/L	MW-6	06/23/2015	ND	6.0000	2.0000	**
Antimony, total	ug/L	MW-6	11/13/2015	ND	6.0000	2.0000	**
Antimony, total	ug/L	MW-6	04/11/2016	ND	6.0000	2.0000	**
Antimony, total	ug/L	MW-6	09/16/2016	ND	2.0000		
Antimony, total	ug/L	MW-6	03/15/2017	ND	2.0000		
Antimony, total	ug/L	MW-6	09/27/2017	ND	2.0000		
Antimony, total	ug/L	MW-6	09/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-6	04/01/2019	ND	2.0000		
Antimony, total	ug/L	MW-6	09/12/2019	ND	2.0000		
Antimony, total	ug/L	MW-6	05/06/2020	ND	2.0000		
Antimony, total	ug/L	MW-6	09/03/2020	ND	2.0000		
Antimony, total	ug/L	MW-6	03/30/2021	ND	2.0000		
Antimony, total	ug/L	MW-6	09/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-6	03/31/2022	ND	2.0000		
Antimony, total	ug/L	MW-6	08/30/2022	ND	2.0000		
Antimony, total	ug/L	MW-6	03/07/2023	ND	2.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-6	09/28/2023	ND	2.0000		
Antimony, total	ug/L	MW-6	03/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-6	10/02/2024	ND	2.0000		
Arsenic, total	ug/L	MW-6	10/20/2014		1.6900		
Arsenic, total	ug/L	MW-6	06/23/2015	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-6	11/13/2015	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-6	04/11/2016	ND	10.0000	4.0000	**
Arsenic, total	ug/L	MW-6	09/16/2016	ND	4.0000		
Arsenic, total	ug/L	MW-6	03/15/2017	ND	4.0000		
Arsenic, total	ug/L	MW-6	09/27/2017	ND	4.0000		
Arsenic, total	ug/L	MW-6	09/12/2018	ND	4.0000		
Arsenic, total	ug/L	MW-6	04/01/2019	ND	4.0000		
Arsenic, total	ug/L	MW-6	09/12/2019	ND	4.0000		
Arsenic, total	ug/L	MW-6	05/06/2020	ND	4.0000		
Arsenic, total	ug/L	MW-6	09/03/2020	ND	4.0000		
Arsenic, total	ug/L	MW-6	03/30/2021	ND	4.0000		
Arsenic, total	ug/L	MW-6	09/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-6	03/31/2022	ND	4.0000		
Arsenic, total	ug/L	MW-6	08/30/2022	ND	4.0000		
Arsenic, total	ug/L	MW-6	03/07/2023	ND	4.0000		
Arsenic, total	ug/L	MW-6	09/28/2023	ND	4.0000		
Arsenic, total	ug/L	MW-6	03/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-6	10/02/2024	ND	4.0000		
Barium, total	ug/L	MW-6	10/20/2014		346.0000		
Barium, total	ug/L	MW-6	06/23/2015		237.0000		
Barium, total	ug/L	MW-6	11/13/2015		294.0000		
Barium, total	ug/L	MW-6	04/11/2016		279.0000		
Barium, total	ug/L	MW-6	09/16/2016		316.0000		
Barium, total	ug/L	MW-6	03/15/2017		326.0000		
Barium, total	ug/L	MW-6	09/27/2017		193.0000		
Barium, total	ug/L	MW-6	09/12/2018		333.0000		
Barium, total	ug/L	MW-6	04/01/2019		409.0000		
Barium, total	ug/L	MW-6	09/12/2019		349.0000		
Barium, total	ug/L	MW-6	05/06/2020		477.0000		
Barium, total	ug/L	MW-6	09/03/2020		299.0000		
Barium, total	ug/L	MW-6	03/30/2021		264.0000		
Barium, total	ug/L	MW-6	09/08/2021		197.0000		
Barium, total	ug/L	MW-6	03/31/2022		227.0000		
Barium, total	ug/L	MW-6	08/30/2022		208.0000		
Barium, total	ug/L	MW-6	03/07/2023		253.0000		
Barium, total	ug/L	MW-6	09/28/2023		237.0000		
Barium, total	ug/L	MW-6	03/11/2024		285.0000		
Barium, total	ug/L	MW-6	10/02/2024		233.0000		
Beryllium, total	ug/L	MW-6	10/20/2014	ND	1.0000	4.0000	**
Beryllium, total	ug/L	MW-6	06/23/2015	ND	1.0000	4.0000	**
Beryllium, total	ug/L	MW-6	11/13/2015	ND	1.0000	4.0000	**
Beryllium, total	ug/L	MW-6	04/11/2016	ND	1.0000	4.0000	**
Beryllium, total	ug/L	MW-6	09/16/2016	ND	4.0000		
Beryllium, total	ug/L	MW-6	03/15/2017	ND	4.0000		
Beryllium, total	ug/L	MW-6	09/27/2017	ND	4.0000		
Beryllium, total	ug/L	MW-6	09/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-6	04/01/2019	ND	4.0000		
Beryllium, total	ug/L	MW-6	09/12/2019	ND	4.0000		
Beryllium, total	ug/L	MW-6	05/06/2020	ND	4.0000		
Beryllium, total	ug/L	MW-6	09/03/2020	ND	4.0000		
Beryllium, total	ug/L	MW-6	03/30/2021	ND	4.0000		
Beryllium, total	ug/L	MW-6	09/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-6	03/31/2022	ND	4.0000		
Beryllium, total	ug/L	MW-6	08/30/2022	ND	4.0000		
Beryllium, total	ug/L	MW-6	03/07/2023	ND	4.0000		
Beryllium, total	ug/L	MW-6	09/28/2023	ND	4.0000		
Beryllium, total	ug/L	MW-6	03/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-6	10/02/2024	ND	4.0000		
Cadmium, total	ug/L	MW-6	10/20/2014	ND	0.5000	0.8000	**
Cadmium, total	ug/L	MW-6	06/23/2015	ND	0.5000	0.8000	**
Cadmium, total	ug/L	MW-6	11/13/2015	ND	0.5000	0.8000	**
Cadmium, total	ug/L	MW-6	04/11/2016	ND	0.5000	0.8000	**
Cadmium, total	ug/L	MW-6	09/16/2016	ND	0.8000		
Cadmium, total	ug/L	MW-6	03/15/2017	ND	0.8000		
Cadmium, total	ug/L	MW-6	09/27/2017	ND	0.8000		
Cadmium, total	ug/L	MW-6	09/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-6	04/01/2019	ND	0.8000		
Cadmium, total	ug/L	MW-6	09/12/2019	ND	0.8000		
Cadmium, total	ug/L	MW-6	05/06/2020	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-6	09/03/2020	ND	0.8000		
Cadmium, total	ug/L	MW-6	03/30/2021	ND	0.8000		
Cadmium, total	ug/L	MW-6	09/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-6	03/31/2022	ND	0.8000		
Cadmium, total	ug/L	MW-6	08/30/2022	ND	0.8000		
Cadmium, total	ug/L	MW-6	03/07/2023	ND	0.8000		
Cadmium, total	ug/L	MW-6	09/28/2023	ND	0.8000		
Cadmium, total	ug/L	MW-6	03/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-6	10/02/2024	ND	0.8000		
Chromium, total	ug/L	MW-6	10/20/2014	ND	5.0000	8.0000	**
Chromium, total	ug/L	MW-6	06/23/2015	ND	5.0000	8.0000	**
Chromium, total	ug/L	MW-6	11/13/2015	ND	5.0000	8.0000	**
Chromium, total	ug/L	MW-6	04/11/2016	ND	5.0000	8.0000	**
Chromium, total	ug/L	MW-6	09/16/2016	ND	8.0000		
Chromium, total	ug/L	MW-6	03/15/2017	ND	8.0000		
Chromium, total	ug/L	MW-6	09/27/2017	ND	8.0000		
Chromium, total	ug/L	MW-6	09/12/2018	ND	8.0000		
Chromium, total	ug/L	MW-6	04/01/2019	ND	8.0000		
Chromium, total	ug/L	MW-6	09/12/2019	ND	8.0000		
Chromium, total	ug/L	MW-6	05/06/2020	ND	8.0000		
Chromium, total	ug/L	MW-6	09/03/2020	ND	8.0000		
Chromium, total	ug/L	MW-6	03/30/2021	ND	8.0000		
Chromium, total	ug/L	MW-6	09/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-6	03/31/2022	ND	8.0000		
Chromium, total	ug/L	MW-6	08/30/2022	ND	8.0000		
Chromium, total	ug/L	MW-6	03/07/2023	ND	8.0000		
Chromium, total	ug/L	MW-6	09/28/2023	ND	8.0000		
Chromium, total	ug/L	MW-6	03/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-6	10/02/2024	ND	8.0000		
Cobalt, total	ug/L	MW-6	10/20/2014		7.4300		*
Cobalt, total	ug/L	MW-6	06/23/2015	ND	0.8000	0.4000	**
Cobalt, total	ug/L	MW-6	11/13/2015	ND	0.8000	0.4000	**
Cobalt, total	ug/L	MW-6	04/11/2016	ND	0.8000	0.4000	**
Cobalt, total	ug/L	MW-6	09/16/2016	ND	0.8000	0.4000	**
Cobalt, total	ug/L	MW-6	03/15/2017	ND	0.8000	0.4000	**
Cobalt, total	ug/L	MW-6	09/27/2017	ND	0.8000	0.4000	**
Cobalt, total	ug/L	MW-6	09/12/2018	ND	0.8000	0.4000	**
Cobalt, total	ug/L	MW-6	04/01/2019	ND	0.8000	0.4000	**
Cobalt, total	ug/L	MW-6	09/12/2019	ND	0.8000	0.4000	**
Cobalt, total	ug/L	MW-6	05/06/2020	ND	0.4000		
Cobalt, total	ug/L	MW-6	09/03/2020	ND	0.4000		
Cobalt, total	ug/L	MW-6	03/30/2021	ND	0.4000		
Cobalt, total	ug/L	MW-6	09/08/2021	ND	0.4000		
Cobalt, total	ug/L	MW-6	03/31/2022		1.1000		
Cobalt, total	ug/L	MW-6	08/30/2022	ND	0.4000		
Cobalt, total	ug/L	MW-6	03/07/2023		11.4000		*
Cobalt, total	ug/L	MW-6	09/28/2023		1.8000		
Cobalt, total	ug/L	MW-6	03/11/2024		2.3000		
Cobalt, total	ug/L	MW-6	10/02/2024		1.5000		
Copper, total	ug/L	MW-6	10/20/2014		25.7000		*
Copper, total	ug/L	MW-6	06/23/2015	ND	2.0000	4.0000	**
Copper, total	ug/L	MW-6	11/13/2015		2.6800		
Copper, total	ug/L	MW-6	04/11/2016	ND	2.0000	4.0000	**
Copper, total	ug/L	MW-6	09/16/2016	ND	4.0000		
Copper, total	ug/L	MW-6	03/15/2017	ND	4.0000		
Copper, total	ug/L	MW-6	09/27/2017	ND	4.0000		
Copper, total	ug/L	MW-6	09/12/2018	ND	4.0000		
Copper, total	ug/L	MW-6	04/01/2019	ND	4.0000		
Copper, total	ug/L	MW-6	09/12/2019	ND	4.0000		
Copper, total	ug/L	MW-6	05/06/2020	ND	4.0000		
Copper, total	ug/L	MW-6	09/03/2020	ND	4.0000		
Copper, total	ug/L	MW-6	03/30/2021	ND	4.0000		
Copper, total	ug/L	MW-6	09/08/2021	ND	4.0000		
Copper, total	ug/L	MW-6	03/31/2022	ND	4.0000		
Copper, total	ug/L	MW-6	08/30/2022	ND	4.0000		
Copper, total	ug/L	MW-6	03/07/2023	ND	4.0000		
Copper, total	ug/L	MW-6	09/28/2023	ND	4.0000		
Copper, total	ug/L	MW-6	03/11/2024		15.0000		*
Copper, total	ug/L	MW-6	10/02/2024	ND	4.0000		
Lead, total	ug/L	MW-6	10/20/2014		6.0300		
Lead, total	ug/L	MW-6	06/23/2015		0.6080		
Lead, total	ug/L	MW-6	11/13/2015		0.5030		*
Lead, total	ug/L	MW-6	04/11/2016	ND	0.5000		*
Lead, total	ug/L	MW-6	09/16/2016	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	
Lead, total	ug/L	MW-6	03/15/2017	ND	4.0000		
Lead, total	ug/L	MW-6	09/27/2017	ND	4.0000		
Lead, total	ug/L	MW-6	09/12/2018	ND	4.0000		
Lead, total	ug/L	MW-6	04/01/2019	ND	4.0000		
Lead, total	ug/L	MW-6	09/12/2019	ND	4.0000		
Lead, total	ug/L	MW-6	05/06/2020	ND	4.0000		
Lead, total	ug/L	MW-6	09/03/2020	ND	4.0000		
Lead, total	ug/L	MW-6	03/30/2021	ND	4.0000		
Lead, total	ug/L	MW-6	09/08/2021	ND	4.0000		
Lead, total	ug/L	MW-6	03/31/2022	ND	4.0000		
Lead, total	ug/L	MW-6	08/30/2022	ND	4.0000		
Lead, total	ug/L	MW-6	03/07/2023	ND	4.0000		
Lead, total	ug/L	MW-6	09/28/2023	ND	4.0000		
Lead, total	ug/L	MW-6	03/11/2024	ND	4.0000		
Lead, total	ug/L	MW-6	10/02/2024	ND	4.0000		
Nickel, total	ug/L	MW-6	10/20/2014	ND	30.0000	4.0000	**
Nickel, total	ug/L	MW-6	06/23/2015	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-6	11/13/2015	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-6	04/11/2016	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-6	09/16/2016	ND	4.0000		
Nickel, total	ug/L	MW-6	03/15/2017	ND	4.0000		
Nickel, total	ug/L	MW-6	09/27/2017	ND	4.0000		
Nickel, total	ug/L	MW-6	09/12/2018		7.8000		
Nickel, total	ug/L	MW-6	04/01/2019		8.4000		
Nickel, total	ug/L	MW-6	09/12/2019		7.3000		
Nickel, total	ug/L	MW-6	05/06/2020		6.9000		
Nickel, total	ug/L	MW-6	09/03/2020		5.5000		
Nickel, total	ug/L	MW-6	03/30/2021		5.0000		
Nickel, total	ug/L	MW-6	09/08/2021		5.7000		
Nickel, total	ug/L	MW-6	03/31/2022		9.9000		
Nickel, total	ug/L	MW-6	08/30/2022		11.3000		
Nickel, total	ug/L	MW-6	03/07/2023		29.5000		
Nickel, total	ug/L	MW-6	09/28/2023		25.3000		
Nickel, total	ug/L	MW-6	03/11/2024		16.4000		
Nickel, total	ug/L	MW-6	10/02/2024		14.6000		
Selenium, total	ug/L	MW-6	10/20/2014	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-6	06/23/2015	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-6	11/13/2015	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-6	04/11/2016	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-6	09/16/2016	ND	4.0000		
Selenium, total	ug/L	MW-6	03/15/2017	ND	4.0000		
Selenium, total	ug/L	MW-6	09/27/2017	ND	4.0000		
Selenium, total	ug/L	MW-6	09/12/2018	ND	4.0000		
Selenium, total	ug/L	MW-6	04/01/2019	ND	4.0000		
Selenium, total	ug/L	MW-6	09/12/2019	ND	4.0000		
Selenium, total	ug/L	MW-6	05/06/2020	ND	4.0000		
Selenium, total	ug/L	MW-6	09/03/2020	ND	4.0000		
Selenium, total	ug/L	MW-6	03/30/2021	ND	4.0000		
Selenium, total	ug/L	MW-6	09/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-6	03/31/2022	ND	4.0000		
Selenium, total	ug/L	MW-6	08/30/2022	ND	4.0000		
Selenium, total	ug/L	MW-6	03/07/2023	ND	4.0000		
Selenium, total	ug/L	MW-6	09/28/2023	ND	4.0000		
Selenium, total	ug/L	MW-6	03/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-6	10/02/2024	ND	4.0000		
Silver, total	ug/L	MW-6	10/20/2014	ND	20.0000		*
Silver, total	ug/L	MW-6	06/23/2015	ND	1.0000		*
Silver, total	ug/L	MW-6	11/13/2015	ND	1.0000		*
Silver, total	ug/L	MW-6	04/11/2016	ND	1.0000		*
Silver, total	ug/L	MW-6	09/16/2016	ND	4.0000		
Silver, total	ug/L	MW-6	03/15/2017	ND	4.0000		
Silver, total	ug/L	MW-6	09/27/2017	ND	4.0000		
Silver, total	ug/L	MW-6	09/12/2018	ND	4.0000		
Silver, total	ug/L	MW-6	04/01/2019	ND	4.0000		
Silver, total	ug/L	MW-6	09/12/2019	ND	4.0000		
Silver, total	ug/L	MW-6	05/06/2020	ND	4.0000		
Silver, total	ug/L	MW-6	09/03/2020	ND	4.0000		
Silver, total	ug/L	MW-6	03/30/2021	ND	4.0000		
Silver, total	ug/L	MW-6	09/08/2021	ND	4.0000		
Silver, total	ug/L	MW-6	03/31/2022	ND	4.0000		
Silver, total	ug/L	MW-6	08/30/2022	ND	4.0000		
Silver, total	ug/L	MW-6	03/07/2023	ND	4.0000		
Silver, total	ug/L	MW-6	09/28/2023	ND	4.0000		
Silver, total	ug/L	MW-6	03/11/2024	ND	4.0000		
Silver, total	ug/L	MW-6	03/11/2024	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-6	10/02/2024	ND	4.0000		
Thallium, total	ug/L	MW-6	10/20/2014	ND	2.0000		
Thallium, total	ug/L	MW-6	06/23/2015	ND	1.0000	2.0000	**
Thallium, total	ug/L	MW-6	11/13/2015	ND	1.0000	2.0000	**
Thallium, total	ug/L	MW-6	04/11/2016	ND	2.0000		
Thallium, total	ug/L	MW-6	09/16/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-6	03/15/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-6	09/27/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-6	09/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-6	04/01/2019	ND	2.0000		
Thallium, total	ug/L	MW-6	09/12/2019	ND	2.0000		
Thallium, total	ug/L	MW-6	05/06/2020	ND	2.0000		
Thallium, total	ug/L	MW-6	09/03/2020	ND	2.0000		
Thallium, total	ug/L	MW-6	03/30/2021	ND	2.0000		
Thallium, total	ug/L	MW-6	09/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-6	03/31/2022	ND	2.0000		
Thallium, total	ug/L	MW-6	08/30/2022	ND	2.0000		
Thallium, total	ug/L	MW-6	03/07/2023	ND	2.0000		
Thallium, total	ug/L	MW-6	09/28/2023	ND	2.0000		
Thallium, total	ug/L	MW-6	03/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-6	10/02/2024	ND	2.0000		
Vanadium, total	ug/L	MW-6	10/20/2014	ND	20.0000		
Vanadium, total	ug/L	MW-6	06/23/2015	ND	5.0000		*
Vanadium, total	ug/L	MW-6	11/13/2015	ND	5.0000		*
Vanadium, total	ug/L	MW-6	04/11/2016	ND	5.0000		*
Vanadium, total	ug/L	MW-6	09/16/2016	ND	20.0000		
Vanadium, total	ug/L	MW-6	03/15/2017	ND	20.0000		
Vanadium, total	ug/L	MW-6	09/27/2017	ND	20.0000		
Vanadium, total	ug/L	MW-6	09/12/2018	ND	20.0000		
Vanadium, total	ug/L	MW-6	04/01/2019	ND	20.0000		
Vanadium, total	ug/L	MW-6	09/12/2019	ND	20.0000		
Vanadium, total	ug/L	MW-6	05/06/2020	ND	20.0000		
Vanadium, total	ug/L	MW-6	09/03/2020	ND	20.0000		
Vanadium, total	ug/L	MW-6	03/30/2021	ND	20.0000		
Vanadium, total	ug/L	MW-6	09/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-6	03/31/2022	ND	20.0000		
Vanadium, total	ug/L	MW-6	08/30/2022	ND	20.0000		
Vanadium, total	ug/L	MW-6	03/07/2023	ND	20.0000		
Vanadium, total	ug/L	MW-6	09/28/2023	ND	20.0000		
Vanadium, total	ug/L	MW-6	03/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-6	10/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-6	10/20/2014		22.6000		
Zinc, total	ug/L	MW-6	06/23/2015	ND	10.0000	20.0000	**
Zinc, total	ug/L	MW-6	11/13/2015	ND	10.0000	20.0000	**
Zinc, total	ug/L	MW-6	04/11/2016	ND	10.0000	20.0000	**
Zinc, total	ug/L	MW-6	09/16/2016		21.7000		
Zinc, total	ug/L	MW-6	03/15/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-6	09/27/2017		10.1000		
Zinc, total	ug/L	MW-6	09/12/2018		21.6000		
Zinc, total	ug/L	MW-6	04/01/2019		44.1000		
Zinc, total	ug/L	MW-6	09/12/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-6	05/06/2020	ND	20.0000		
Zinc, total	ug/L	MW-6	09/03/2020	ND	20.0000		
Zinc, total	ug/L	MW-6	03/30/2021	ND	20.0000		
Zinc, total	ug/L	MW-6	09/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-6	03/31/2022	ND	20.0000		
Zinc, total	ug/L	MW-6	08/30/2022	ND	20.0000		
Zinc, total	ug/L	MW-6	03/07/2023	ND	20.0000		
Zinc, total	ug/L	MW-6	09/28/2023	ND	20.0000		
Zinc, total	ug/L	MW-6	03/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-6	10/02/2024	ND	20.0000		
Antimony, total	ug/L	MW-7	03/15/2017	ND	2.0000		
Antimony, total	ug/L	MW-7	05/09/2017	ND	2.0000		
Antimony, total	ug/L	MW-7	09/27/2017	ND	2.0000		
Antimony, total	ug/L	MW-7	03/14/2018	ND	2.0000		
Antimony, total	ug/L	MW-7	09/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-7	04/01/2019	ND	2.0000		
Antimony, total	ug/L	MW-7	09/12/2019	ND	2.0000		
Antimony, total	ug/L	MW-7	05/06/2020	ND	2.0000		
Antimony, total	ug/L	MW-7	09/03/2020	ND	2.0000		
Antimony, total	ug/L	MW-7	03/30/2021	ND	2.0000		*
Antimony, total	ug/L	MW-7	09/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-7	03/31/2022	ND	2.0000		
Antimony, total	ug/L	MW-7	08/30/2022	ND	2.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-7	03/07/2023	ND	2.0000		
Antimony, total	ug/L	MW-7	09/28/2023	ND	2.0000		
Antimony, total	ug/L	MW-7	03/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-7	10/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-7	03/06/2025	ND	2.0000		
Arsenic, total	ug/L	MW-7	03/15/2017		6.5000		
Arsenic, total	ug/L	MW-7	05/09/2017	ND	4.0000		
Arsenic, total	ug/L	MW-7	09/27/2017	ND	4.0000		
Arsenic, total	ug/L	MW-7	03/14/2018	ND	4.0000		
Arsenic, total	ug/L	MW-7	09/12/2018		6.3000		
Arsenic, total	ug/L	MW-7	04/01/2019	ND	4.0000		
Arsenic, total	ug/L	MW-7	09/12/2019		13.9000		*
Arsenic, total	ug/L	MW-7	05/06/2020	ND	4.0000		
Arsenic, total	ug/L	MW-7	09/03/2020	ND	4.0000		
Arsenic, total	ug/L	MW-7	03/30/2021		35.8000		*
Arsenic, total	ug/L	MW-7	09/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-7	03/31/2022		18.6000		*
Arsenic, total	ug/L	MW-7	08/30/2022	ND	4.0000		
Arsenic, total	ug/L	MW-7	03/07/2023	ND	4.0000		
Arsenic, total	ug/L	MW-7	09/28/2023	ND	4.0000		
Arsenic, total	ug/L	MW-7	03/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-7	10/02/2024	ND	4.0000		
Arsenic, total	ug/L	MW-7	03/06/2025	ND	4.0000		
Barium, total	ug/L	MW-7	03/15/2017		331.0000		
Barium, total	ug/L	MW-7	05/09/2017		224.0000		
Barium, total	ug/L	MW-7	09/27/2017		380.0000		
Barium, total	ug/L	MW-7	03/14/2018		214.0000		
Barium, total	ug/L	MW-7	09/12/2018		325.0000		
Barium, total	ug/L	MW-7	04/01/2019		235.0000		
Barium, total	ug/L	MW-7	09/12/2019		386.0000		
Barium, total	ug/L	MW-7	05/06/2020		191.0000		
Barium, total	ug/L	MW-7	09/03/2020		172.0000		
Barium, total	ug/L	MW-7	03/30/2021		880.0000		*
Barium, total	ug/L	MW-7	09/08/2021		163.0000		
Barium, total	ug/L	MW-7	03/31/2022		569.0000		
Barium, total	ug/L	MW-7	08/30/2022		211.0000		
Barium, total	ug/L	MW-7	03/07/2023		166.0000		
Barium, total	ug/L	MW-7	09/28/2023		161.0000		
Barium, total	ug/L	MW-7	03/11/2024		168.0000		
Barium, total	ug/L	MW-7	10/02/2024		162.0000		
Barium, total	ug/L	MW-7	03/06/2025		148.0000		
Beryllium, total	ug/L	MW-7	03/15/2017	ND	4.0000		
Beryllium, total	ug/L	MW-7	05/09/2017	ND	4.0000		
Beryllium, total	ug/L	MW-7	09/27/2017	ND	4.0000		
Beryllium, total	ug/L	MW-7	03/14/2018	ND	4.0000		
Beryllium, total	ug/L	MW-7	09/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-7	04/01/2019	ND	4.0000		
Beryllium, total	ug/L	MW-7	09/12/2019	ND	4.0000		
Beryllium, total	ug/L	MW-7	05/06/2020	ND	4.0000		
Beryllium, total	ug/L	MW-7	09/03/2020	ND	4.0000		
Beryllium, total	ug/L	MW-7	03/30/2021	ND	4.0000		*
Beryllium, total	ug/L	MW-7	09/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-7	03/31/2022	ND	4.0000		
Beryllium, total	ug/L	MW-7	08/30/2022	ND	4.0000		
Beryllium, total	ug/L	MW-7	03/07/2023	ND	4.0000		
Beryllium, total	ug/L	MW-7	09/28/2023	ND	4.0000		
Beryllium, total	ug/L	MW-7	03/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-7	10/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-7	03/06/2025	ND	4.0000		
Cadmium, total	ug/L	MW-7	03/15/2017	ND	0.8000		
Cadmium, total	ug/L	MW-7	05/09/2017	ND	0.8000		
Cadmium, total	ug/L	MW-7	09/27/2017	ND	0.8000		
Cadmium, total	ug/L	MW-7	03/14/2018	ND	0.8000		
Cadmium, total	ug/L	MW-7	09/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-7	04/01/2019	ND	0.8000		
Cadmium, total	ug/L	MW-7	09/12/2019	ND	0.8000		
Cadmium, total	ug/L	MW-7	05/06/2020	ND	0.8000		
Cadmium, total	ug/L	MW-7	09/03/2020	ND	0.8000		
Cadmium, total	ug/L	MW-7	03/30/2021		1.7000		*
Cadmium, total	ug/L	MW-7	09/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-7	03/31/2022		1.0000		
Cadmium, total	ug/L	MW-7	08/30/2022	ND	0.8000		
Cadmium, total	ug/L	MW-7	03/07/2023	ND	0.8000		
Cadmium, total	ug/L	MW-7	09/28/2023	ND	0.8000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, total	ug/L	MW-7	03/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-7	10/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-7	03/06/2025	ND	0.8000		
Chromium, total	ug/L	MW-7	03/15/2017		16.5000		
Chromium, total	ug/L	MW-7	05/09/2017	ND	8.0000		
Chromium, total	ug/L	MW-7	09/27/2017	ND	8.0000		
Chromium, total	ug/L	MW-7	03/14/2018	ND	8.0000		
Chromium, total	ug/L	MW-7	09/12/2018		14.6000		
Chromium, total	ug/L	MW-7	04/01/2019	ND	8.0000		
Chromium, total	ug/L	MW-7	09/12/2019		31.6000		*
Chromium, total	ug/L	MW-7	05/06/2020	ND	8.0000		
Chromium, total	ug/L	MW-7	09/03/2020	ND	8.0000		
Chromium, total	ug/L	MW-7	03/30/2021		77.5000		*
Chromium, total	ug/L	MW-7	09/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-7	03/31/2022		49.5000		*
Chromium, total	ug/L	MW-7	08/30/2022	ND	8.0000		
Chromium, total	ug/L	MW-7	03/07/2023	ND	8.0000		
Chromium, total	ug/L	MW-7	09/28/2023	ND	8.0000		
Chromium, total	ug/L	MW-7	03/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-7	10/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-7	03/06/2025	ND	8.0000		
Cobalt, total	ug/L	MW-7	03/15/2017		5.9000		
Cobalt, total	ug/L	MW-7	05/09/2017	ND	0.8000	0.4000	**
Cobalt, total	ug/L	MW-7	09/27/2017		3.4000		
Cobalt, total	ug/L	MW-7	03/14/2018	ND	2.0000	0.4000	**
Cobalt, total	ug/L	MW-7	09/12/2018		5.8000		
Cobalt, total	ug/L	MW-7	04/01/2019		1.9000		
Cobalt, total	ug/L	MW-7	09/12/2019		12.2000		
Cobalt, total	ug/L	MW-7	05/06/2020		0.4000		
Cobalt, total	ug/L	MW-7	09/03/2020	ND	0.4000		
Cobalt, total	ug/L	MW-7	03/30/2021		39.3000		*
Cobalt, total	ug/L	MW-7	09/08/2021	ND	0.4000		
Cobalt, total	ug/L	MW-7	03/31/2022		22.9000		*
Cobalt, total	ug/L	MW-7	08/30/2022		2.1000		
Cobalt, total	ug/L	MW-7	03/07/2023	ND	0.4000		
Cobalt, total	ug/L	MW-7	09/28/2023	ND	0.4000		
Cobalt, total	ug/L	MW-7	03/11/2024	ND	0.4000		
Cobalt, total	ug/L	MW-7	10/02/2024	ND	0.4000		
Cobalt, total	ug/L	MW-7	03/06/2025	ND	0.4000		
Copper, total	ug/L	MW-7	03/15/2017		13.7000		*
Copper, total	ug/L	MW-7	05/09/2017	ND	4.0000		
Copper, total	ug/L	MW-7	09/27/2017		10.6000		
Copper, total	ug/L	MW-7	03/14/2018	ND	4.0000		
Copper, total	ug/L	MW-7	09/12/2018		12.7000		*
Copper, total	ug/L	MW-7	04/01/2019	ND	4.0000		
Copper, total	ug/L	MW-7	09/12/2019		25.8000		*
Copper, total	ug/L	MW-7	05/06/2020	ND	4.0000		
Copper, total	ug/L	MW-7	09/03/2020	ND	4.0000		
Copper, total	ug/L	MW-7	03/30/2021		83.4000		*
Copper, total	ug/L	MW-7	09/08/2021	ND	4.0000		
Copper, total	ug/L	MW-7	03/31/2022		47.2000		*
Copper, total	ug/L	MW-7	08/30/2022		4.8000		
Copper, total	ug/L	MW-7	03/07/2023	ND	4.0000		
Copper, total	ug/L	MW-7	09/28/2023		4.1000		
Copper, total	ug/L	MW-7	03/11/2024	ND	4.0000		
Copper, total	ug/L	MW-7	10/02/2024	ND	4.0000		
Copper, total	ug/L	MW-7	03/06/2025	ND	4.0000		
Lead, total	ug/L	MW-7	03/15/2017		6.8000		
Lead, total	ug/L	MW-7	05/09/2017	ND	4.0000		
Lead, total	ug/L	MW-7	09/27/2017	ND	4.0000		
Lead, total	ug/L	MW-7	03/14/2018	ND	4.0000		
Lead, total	ug/L	MW-7	09/12/2018		6.6000		
Lead, total	ug/L	MW-7	04/01/2019	ND	4.0000		
Lead, total	ug/L	MW-7	09/12/2019		13.1000		*
Lead, total	ug/L	MW-7	05/06/2020	ND	4.0000		
Lead, total	ug/L	MW-7	09/03/2020	ND	4.0000		
Lead, total	ug/L	MW-7	03/30/2021		43.4000		*
Lead, total	ug/L	MW-7	09/08/2021	ND	4.0000		
Lead, total	ug/L	MW-7	03/31/2022		25.8000		*
Lead, total	ug/L	MW-7	08/30/2022		5.5000		
Lead, total	ug/L	MW-7	03/07/2023	ND	4.0000		
Lead, total	ug/L	MW-7	09/28/2023	ND	4.0000		
Lead, total	ug/L	MW-7	03/11/2024	ND	4.0000		
Lead, total	ug/L	MW-7	10/02/2024	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead, total	ug/L	MW-7	03/06/2025	ND	4.0000		
Nickel, total	ug/L	MW-7	03/15/2017		19.0000		*
Nickel, total	ug/L	MW-7	05/09/2017	ND	4.0000		
Nickel, total	ug/L	MW-7	09/27/2017		11.4000		
Nickel, total	ug/L	MW-7	12/13/2017	ND	4.0000		
Nickel, total	ug/L	MW-7	03/14/2018	ND	4.0000		
Nickel, total	ug/L	MW-7	09/12/2018		17.4000		*
Nickel, total	ug/L	MW-7	04/01/2019		7.4000		
Nickel, total	ug/L	MW-7	09/12/2019		34.2000		*
Nickel, total	ug/L	MW-7	05/06/2020	ND	4.0000		
Nickel, total	ug/L	MW-7	09/03/2020	ND	4.0000		
Nickel, total	ug/L	MW-7	03/30/2021		105.0000		*
Nickel, total	ug/L	MW-7	09/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-7	03/31/2022		61.9000		*
Nickel, total	ug/L	MW-7	08/30/2022		6.5000		
Nickel, total	ug/L	MW-7	03/07/2023	ND	4.0000		
Nickel, total	ug/L	MW-7	09/28/2023	ND	4.0000		
Nickel, total	ug/L	MW-7	03/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-7	10/02/2024		4.1000		
Nickel, total	ug/L	MW-7	03/06/2025	ND	4.0000		
Selenium, total	ug/L	MW-7	03/15/2017	ND	4.0000		
Selenium, total	ug/L	MW-7	05/09/2017	ND	4.0000		
Selenium, total	ug/L	MW-7	09/27/2017	ND	4.0000		
Selenium, total	ug/L	MW-7	03/14/2018	ND	4.0000		
Selenium, total	ug/L	MW-7	09/12/2018	ND	4.0000		
Selenium, total	ug/L	MW-7	04/01/2019	ND	4.0000		
Selenium, total	ug/L	MW-7	09/12/2019	ND	4.0000		
Selenium, total	ug/L	MW-7	05/06/2020	ND	4.0000		
Selenium, total	ug/L	MW-7	09/03/2020	ND	4.0000		
Selenium, total	ug/L	MW-7	03/30/2021		5.8000		*
Selenium, total	ug/L	MW-7	09/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-7	03/31/2022		6.2000		*
Selenium, total	ug/L	MW-7	08/30/2022	ND	4.0000		
Selenium, total	ug/L	MW-7	03/07/2023	ND	4.0000		
Selenium, total	ug/L	MW-7	09/28/2023	ND	4.0000		
Selenium, total	ug/L	MW-7	03/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-7	10/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-7	03/06/2025	ND	4.0000		
Silver, total	ug/L	MW-7	03/15/2017	ND	4.0000		
Silver, total	ug/L	MW-7	05/09/2017	ND	4.0000		
Silver, total	ug/L	MW-7	09/27/2017	ND	4.0000		
Silver, total	ug/L	MW-7	03/14/2018	ND	4.0000		
Silver, total	ug/L	MW-7	09/12/2018	ND	4.0000		
Silver, total	ug/L	MW-7	04/01/2019	ND	4.0000		
Silver, total	ug/L	MW-7	09/12/2019	ND	4.0000		
Silver, total	ug/L	MW-7	05/06/2020	ND	4.0000		
Silver, total	ug/L	MW-7	09/03/2020	ND	4.0000		
Silver, total	ug/L	MW-7	03/30/2021	ND	4.0000		*
Silver, total	ug/L	MW-7	09/08/2021	ND	4.0000		
Silver, total	ug/L	MW-7	03/31/2022	ND	4.0000		
Silver, total	ug/L	MW-7	08/30/2022	ND	4.0000		
Silver, total	ug/L	MW-7	03/07/2023	ND	4.0000		
Silver, total	ug/L	MW-7	09/28/2023	ND	4.0000		
Silver, total	ug/L	MW-7	03/11/2024	ND	4.0000		
Silver, total	ug/L	MW-7	10/02/2024	ND	4.0000		
Silver, total	ug/L	MW-7	03/06/2025	ND	4.0000		
Thallium, total	ug/L	MW-7	03/15/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-7	05/09/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-7	09/27/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-7	03/14/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-7	09/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-7	04/01/2019	ND	2.0000		
Thallium, total	ug/L	MW-7	09/12/2019	ND	2.0000		
Thallium, total	ug/L	MW-7	05/06/2020	ND	2.0000		
Thallium, total	ug/L	MW-7	09/03/2020	ND	2.0000		
Thallium, total	ug/L	MW-7	03/30/2021	ND	2.0000		*
Thallium, total	ug/L	MW-7	09/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-7	03/31/2022	ND	2.0000		
Thallium, total	ug/L	MW-7	08/30/2022	ND	2.0000		
Thallium, total	ug/L	MW-7	03/07/2023	ND	2.0000		
Thallium, total	ug/L	MW-7	09/28/2023	ND	2.0000		
Thallium, total	ug/L	MW-7	03/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-7	10/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-7	03/06/2025	ND	2.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Vanadium, total	ug/L	MW-7	03/15/2017		26.5000		
Vanadium, total	ug/L	MW-7	05/09/2017	ND	20.0000		
Vanadium, total	ug/L	MW-7	09/27/2017	ND	20.0000		
Vanadium, total	ug/L	MW-7	03/14/2018	ND	20.0000		
Vanadium, total	ug/L	MW-7	09/12/2018		23.0000		
Vanadium, total	ug/L	MW-7	04/01/2019	ND	20.0000		
Vanadium, total	ug/L	MW-7	09/12/2019		55.0000		*
Vanadium, total	ug/L	MW-7	05/06/2020	ND	20.0000		
Vanadium, total	ug/L	MW-7	09/03/2020	ND	20.0000		
Vanadium, total	ug/L	MW-7	03/30/2021		120.0000		*
Vanadium, total	ug/L	MW-7	09/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-7	03/31/2022		75.9000		*
Vanadium, total	ug/L	MW-7	08/30/2022	ND	20.0000		
Vanadium, total	ug/L	MW-7	03/07/2023	ND	20.0000		
Vanadium, total	ug/L	MW-7	09/28/2023	ND	20.0000		
Vanadium, total	ug/L	MW-7	03/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-7	10/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-7	03/06/2025	ND	20.0000		
Zinc, total	ug/L	MW-7	03/15/2017		34.2000		
Zinc, total	ug/L	MW-7	05/09/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-7	09/27/2017		26.9000		
Zinc, total	ug/L	MW-7	12/13/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-7	03/14/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-7	09/12/2018		63.4000		
Zinc, total	ug/L	MW-7	04/01/2019		28.5000		
Zinc, total	ug/L	MW-7	09/12/2019		69.0000		
Zinc, total	ug/L	MW-7	05/06/2020	ND	20.0000		
Zinc, total	ug/L	MW-7	09/03/2020	ND	20.0000		
Zinc, total	ug/L	MW-7	03/30/2021		615.0000		*
Zinc, total	ug/L	MW-7	09/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-7	03/31/2022		116.0000		*
Zinc, total	ug/L	MW-7	08/30/2022	ND	20.0000		
Zinc, total	ug/L	MW-7	03/07/2023	ND	20.0000		
Zinc, total	ug/L	MW-7	09/28/2023	ND	20.0000		
Zinc, total	ug/L	MW-7	03/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-7	10/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-7	03/06/2025	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	AW-1	03/06/2025	ND	2.0000	2.0000
Arsenic, total	ug/L	AW-1	03/06/2025	ND	4.0000	51.3000
Barium, total	ug/L	AW-1	03/06/2025		167.0000	569.0000
Beryllium, total	ug/L	AW-1	03/06/2025	ND	4.0000	4.0000
Cadmium, total	ug/L	AW-1	03/06/2025	ND	0.8000	1.0000
Chromium, total	ug/L	AW-1	03/06/2025	ND	8.0000	16.5000
Cobalt, total	ug/L	AW-1	03/06/2025	ND	0.4000	12.2000
Copper, total	ug/L	AW-1	03/06/2025		4.0000	10.6000
Lead, total	ug/L	AW-1	03/06/2025	ND	4.0000	6.8000
Nickel, total	ug/L	AW-1	03/06/2025	ND	4.0000	29.5000
Selenium, total	ug/L	AW-1	03/06/2025		47.7000 *	4.0000
Silver, total	ug/L	AW-1	03/06/2025	ND	4.0000	4.0000
Thallium, total	ug/L	AW-1	03/06/2025	ND	2.0000	2.0000
Vanadium, total	ug/L	AW-1	03/06/2025	ND	20.0000	26.5000
Zinc, total	ug/L	AW-1	03/06/2025	ND	20.0000	69.0000
Antimony, total	ug/L	AW-2	03/06/2025	ND	2.0000	2.0000
Arsenic, total	ug/L	AW-2	03/06/2025		36.1000	51.3000
Barium, total	ug/L	AW-2	03/06/2025		132.0000	569.0000
Beryllium, total	ug/L	AW-2	03/06/2025	ND	4.0000	4.0000
Cadmium, total	ug/L	AW-2	03/06/2025	ND	0.8000	1.0000
Chromium, total	ug/L	AW-2	03/06/2025	ND	8.0000	16.5000
Cobalt, total	ug/L	AW-2	03/06/2025		10.3000 **	12.2000
Copper, total	ug/L	AW-2	03/06/2025	ND	4.0000	10.6000
Lead, total	ug/L	AW-2	03/06/2025	ND	4.0000	6.8000
Nickel, total	ug/L	AW-2	03/06/2025		9.3000	29.5000
Selenium, total	ug/L	AW-2	03/06/2025	ND	4.0000	4.0000
Silver, total	ug/L	AW-2	03/06/2025	ND	4.0000	4.0000
Thallium, total	ug/L	AW-2	03/06/2025	ND	2.0000	2.0000
Vanadium, total	ug/L	AW-2	03/06/2025	ND	20.0000	26.5000
Zinc, total	ug/L	AW-2	03/06/2025	ND	20.0000	69.0000
Antimony, total	ug/L	AW-3	03/06/2025	ND	2.0000	2.0000
Arsenic, total	ug/L	AW-3	03/06/2025		17.8000	51.3000
Barium, total	ug/L	AW-3	03/06/2025		197.0000	569.0000
Beryllium, total	ug/L	AW-3	03/06/2025	ND	4.0000	4.0000
Cadmium, total	ug/L	AW-3	03/06/2025	ND	0.8000	1.0000
Chromium, total	ug/L	AW-3	03/06/2025	ND	8.0000	16.5000
Cobalt, total	ug/L	AW-3	03/06/2025		1.9000	12.2000
Copper, total	ug/L	AW-3	03/06/2025		18.7000 *	10.6000
Lead, total	ug/L	AW-3	03/06/2025	ND	4.0000	6.8000
Nickel, total	ug/L	AW-3	03/06/2025		7.1000	29.5000
Selenium, total	ug/L	AW-3	03/06/2025	ND	4.0000	4.0000
Silver, total	ug/L	AW-3	03/06/2025	ND	4.0000	4.0000
Thallium, total	ug/L	AW-3	03/06/2025	ND	2.0000	2.0000
Vanadium, total	ug/L	AW-3	03/06/2025	ND	20.0000	26.5000
Zinc, total	ug/L	AW-3	03/06/2025	ND	20.0000	69.0000
Antimony, total	ug/L	AW-9	09/28/2023	ND	2.0000	2.0000
Arsenic, total	ug/L	AW-9	03/06/2025	ND	4.0000	51.3000
Barium, total	ug/L	AW-9	09/28/2023		447.0000	569.0000
Beryllium, total	ug/L	AW-9	09/28/2023	ND	4.0000	4.0000
Cadmium, total	ug/L	AW-9	09/28/2023	ND	0.8000	1.0000
Chromium, total	ug/L	AW-9	09/28/2023	ND	8.0000	16.5000
Cobalt, total	ug/L	AW-9	03/06/2025		0.5000	12.2000
Copper, total	ug/L	AW-9	09/28/2023	ND	4.0000	10.6000
Lead, total	ug/L	AW-9	09/28/2023	ND	4.0000	6.8000
Nickel, total	ug/L	AW-9	09/28/2023	ND	4.0000	29.5000
Selenium, total	ug/L	AW-9	09/28/2023	ND	4.0000	4.0000
Silver, total	ug/L	AW-9	09/28/2023	ND	4.0000	4.0000
Thallium, total	ug/L	AW-9	09/28/2023	ND	2.0000	2.0000
Vanadium, total	ug/L	AW-9	09/28/2023	ND	20.0000	26.5000
Zinc, total	ug/L	AW-9	09/28/2023	ND	20.0000	69.0000
Antimony, total	ug/L	MW-12	03/06/2025	ND	2.0000	2.0000
Arsenic, total	ug/L	MW-12	03/06/2025	ND	4.0000	51.3000
Barium, total	ug/L	MW-12	03/06/2025		152.0000	569.0000
Beryllium, total	ug/L	MW-12	03/06/2025	ND	4.0000	4.0000
Cadmium, total	ug/L	MW-12	03/06/2025	ND	0.8000	1.0000
Chromium, total	ug/L	MW-12	03/06/2025	ND	8.0000	16.5000
Cobalt, total	ug/L	MW-12	03/06/2025		0.9000	12.2000
Copper, total	ug/L	MW-12	03/06/2025	ND	4.0000	10.6000
Lead, total	ug/L	MW-12	03/06/2025	ND	4.0000	6.8000
Nickel, total	ug/L	MW-12	03/06/2025		11.4000	29.5000
Selenium, total	ug/L	MW-12	03/06/2025	ND	4.0000	4.0000
Silver, total	ug/L	MW-12	03/06/2025	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-12	03/06/2025	ND	2.0000		2.0000
Vanadium, total	ug/L	MW-12	03/06/2025	ND	20.0000		26.5000
Zinc, total	ug/L	MW-12	03/06/2025	ND	20.0000		69.0000
Antimony, total	ug/L	MW-14	03/06/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-14	03/06/2025	ND	4.0000		51.3000
Barium, total	ug/L	MW-14	03/06/2025		355.0000		569.0000
Beryllium, total	ug/L	MW-14	03/06/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-14	03/06/2025	ND	0.8000		1.0000
Chromium, total	ug/L	MW-14	03/06/2025	ND	8.0000		16.5000
Cobalt, total	ug/L	MW-14	03/06/2025	ND	0.4000		12.2000
Copper, total	ug/L	MW-14	03/06/2025	ND	4.0000		10.6000
Lead, total	ug/L	MW-14	03/06/2025	ND	4.0000		6.8000
Nickel, total	ug/L	MW-14	03/06/2025		5.3000		29.5000
Selenium, total	ug/L	MW-14	03/06/2025	ND	4.0000		4.0000
Silver, total	ug/L	MW-14	03/06/2025	ND	4.0000		4.0000
Thallium, total	ug/L	MW-14	03/06/2025	ND	2.0000		2.0000
Vanadium, total	ug/L	MW-14	03/06/2025	ND	20.0000		26.5000
Zinc, total	ug/L	MW-14	03/06/2025	ND	20.0000		69.0000
Antimony, total	ug/L	MW-20	03/06/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-20	03/06/2025		41.9000		51.3000
Barium, total	ug/L	MW-20	03/06/2025		289.0000		569.0000
Beryllium, total	ug/L	MW-20	03/06/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-20	03/06/2025	ND	0.8000		1.0000
Chromium, total	ug/L	MW-20	03/06/2025	ND	8.0000		16.5000
Cobalt, total	ug/L	MW-20	03/06/2025		0.9000		12.2000
Copper, total	ug/L	MW-20	03/06/2025	ND	4.0000		10.6000
Lead, total	ug/L	MW-20	03/06/2025	ND	4.0000		6.8000
Nickel, total	ug/L	MW-20	03/06/2025	ND	4.0000		29.5000
Selenium, total	ug/L	MW-20	03/06/2025	ND	4.0000		4.0000
Silver, total	ug/L	MW-20	03/06/2025	ND	4.0000		4.0000
Thallium, total	ug/L	MW-20	03/06/2025	ND	2.0000		2.0000
Vanadium, total	ug/L	MW-20	03/06/2025	ND	20.0000		26.5000
Zinc, total	ug/L	MW-20	03/06/2025	ND	20.0000		69.0000
Antimony, total	ug/L	MW-24	03/06/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-24	03/06/2025		22.0000		51.3000
Barium, total	ug/L	MW-24	03/06/2025		559.0000	**	569.0000
Beryllium, total	ug/L	MW-24	03/06/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-24	03/06/2025	ND	0.8000		1.0000
Chromium, total	ug/L	MW-24	03/06/2025	ND	8.0000		16.5000
Cobalt, total	ug/L	MW-24	03/06/2025		6.6000	**	12.2000
Copper, total	ug/L	MW-24	03/06/2025	ND	4.0000		10.6000
Lead, total	ug/L	MW-24	03/06/2025	ND	4.0000		6.8000
Nickel, total	ug/L	MW-24	03/06/2025		17.5000		29.5000
Selenium, total	ug/L	MW-24	03/06/2025	ND	4.0000		4.0000
Silver, total	ug/L	MW-24	03/06/2025	ND	4.0000		4.0000
Thallium, total	ug/L	MW-24	03/06/2025	ND	2.0000		2.0000
Vanadium, total	ug/L	MW-24	03/06/2025	ND	20.0000		26.5000
Zinc, total	ug/L	MW-24	03/06/2025	ND	20.0000		69.0000
Antimony, total	ug/L	MW-25	03/06/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-25	03/06/2025	ND	4.0000		51.3000
Barium, total	ug/L	MW-25	03/06/2025		22.1000		569.0000
Beryllium, total	ug/L	MW-25	03/06/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-25	03/06/2025	ND	0.8000		1.0000
Chromium, total	ug/L	MW-25	03/06/2025	ND	8.0000		16.5000
Cobalt, total	ug/L	MW-25	03/06/2025	ND	0.4000		12.2000
Copper, total	ug/L	MW-25	03/06/2025	ND	4.0000		10.6000
Lead, total	ug/L	MW-25	03/06/2025	ND	4.0000		6.8000
Nickel, total	ug/L	MW-25	03/06/2025		4.2000		29.5000
Selenium, total	ug/L	MW-25	03/06/2025	ND	4.0000		4.0000
Silver, total	ug/L	MW-25	03/06/2025	ND	4.0000		4.0000
Thallium, total	ug/L	MW-25	03/06/2025	ND	2.0000		2.0000
Vanadium, total	ug/L	MW-25	03/06/2025	ND	20.0000		26.5000
Zinc, total	ug/L	MW-25	03/06/2025	ND	20.0000		69.0000
Antimony, total	ug/L	MW-41	03/06/2025	ND	2.0000		2.0000
Arsenic, total	ug/L	MW-41	03/06/2025	ND	4.0000		51.3000
Barium, total	ug/L	MW-41	03/06/2025		414.0000		569.0000
Beryllium, total	ug/L	MW-41	03/06/2025	ND	4.0000		4.0000
Cadmium, total	ug/L	MW-41	03/06/2025	ND	0.8000		1.0000
Chromium, total	ug/L	MW-41	03/06/2025	ND	8.0000		16.5000
Cobalt, total	ug/L	MW-41	03/06/2025		0.9000		12.2000
Copper, total	ug/L	MW-41	03/06/2025	ND	4.0000		10.6000
Lead, total	ug/L	MW-41	03/06/2025	ND	4.0000		6.8000

* - Current value failed - awaiting verification.

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

*** - Current value failed - exceedance verified.

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

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

ND = Not Detected, Result = detection limit.

Table 2**Most Current Downgradient Monitoring Data**

Constituent	Units	Well	Date		Result		Pred. Limit
Nickel, total	ug/L	MW-41	03/06/2025	ND	4.0000		29.5000
Selenium, total	ug/L	MW-41	03/06/2025	ND	4.0000		4.0000
Silver, total	ug/L	MW-41	03/06/2025	ND	4.0000		4.0000
Thallium, total	ug/L	MW-41	03/06/2025	ND	2.0000		2.0000
Vanadium, total	ug/L	MW-41	03/06/2025	ND	20.0000		26.5000
Zinc, total	ug/L	MW-41	03/06/2025	ND	20.0000		69.0000

* - 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	85	0.000	5	250	0.020
Arsenic, total	16	83	0.193	158	268	0.590
Barium, total	86	86	1.000	260	260	1.000
Beryllium, total	0	85	0.000	11	254	0.043
Cadmium, total	1	85	0.012	20	254	0.079
Chromium, total	2	83	0.024	4	251	0.016
Cobalt, total	29	81	0.358	162	266	0.609
Copper, total	5	79	0.063	31	254	0.122
Lead, total	5	81	0.062	36	255	0.141
Nickel, total	18	82	0.220	145	256	0.566
Selenium, total	0	84	0.000	2	249	0.008
Silver, total	0	81	0.000	0	249	0.000
Thallium, total	0	85	0.000	0	249	0.000
Vanadium, total	2	80	0.025	16	251	0.064
Zinc, total	15	86	0.174	96	259	0.371

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	85	0.000									nonpar
Arsenic, total	16	83	0.193	3.063	1.084					2.326	lognor	nonpar
Barium, total	86	86	1.000	5.421	2.787					2.326	non-norm	nonpar
Beryllium, total	0	85	0.000									nonpar
Cadmium, total	1	85	0.012									nonpar
Chromium, total	2	83	0.024									nonpar
Cobalt, total	29	81	0.358	0.232	1.861					2.326	normal	nonpar
Copper, total	5	79	0.063	0.883	0.533					2.326	normal	nonpar
Lead, total	5	81	0.062	0.603	0.677					2.326	normal	nonpar
Nickel, total	18	82	0.220	1.165	0.597					2.326	normal	nonpar
Selenium, total	0	84	0.000									nonpar
Silver, total	0	81	0.000									nonpar
Thallium, total	0	85	0.000									nonpar
Vanadium, total	2	80	0.025									nonpar
Zinc, total	15	86	0.174	1.027	0.921					2.326	normal	nonpar

* - Distribution override for that constituent.

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

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

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Antimony, total	ug/L	0	85					2.0000	nonpar	***	0.99
Arsenic, total	ug/L	16	83					51.3000	nonpar		0.99
Barium, total	ug/L	86	86					569.0000	nonpar		0.99
Beryllium, total	ug/L	0	85					4.0000	nonpar	***	0.99
Cadmium, total	ug/L	1	85					1.0000	nonpar		0.99
Chromium, total	ug/L	2	83					16.5000	nonpar		0.99
Cobalt, total	ug/L	29	81					12.2000	nonpar		0.99
Copper, total	ug/L	5	79					10.6000	nonpar		0.99
Lead, total	ug/L	5	81					6.8000	nonpar		0.99
Nickel, total	ug/L	18	82					29.5000	nonpar		0.99
Selenium, total	ug/L	0	84					4.0000	nonpar	***	0.99
Silver, total	ug/L	0	81					4.0000	nonpar	***	0.99
Thallium, total	ug/L	0	85					2.0000	nonpar	***	0.99
Vanadium, total	ug/L	2	80					26.5000	nonpar		0.99
Zinc, total	ug/L	15	86					69.0000	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
5% Significance Level**

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Cobalt, total	ug/L	MW-26	03/14/2018	2.0000	< 2.0000	10/31/2016-03/06/2025	18	0.4746
Cobalt, total	ug/L	MW-6	10/20/2014	7.4300		10/20/2014-10/02/2024	20	0.4621
Cobalt, total	ug/L	MW-6	03/07/2023	11.4000		10/20/2014-10/02/2024	20	0.4621
Copper, total	ug/L	MW-6	03/11/2024	15.0000		10/20/2014-10/02/2024	19	0.4621
Lead, total	ug/L	MW-6	11/13/2015	0.5030		10/20/2014-10/02/2024	20	0.4621
Lead, total	ug/L	MW-6	04/11/2016	0.5000	< 0.5000	10/20/2014-10/02/2024	20	0.4621
Silver, total	ug/L	MW-6	10/20/2014	20.0000	< 20.0000	10/20/2014-10/02/2024	20	0.4501
Silver, total	ug/L	MW-6	06/23/2015	1.0000	< 1.0000	10/20/2014-10/02/2024	20	0.4621
Silver, total	ug/L	MW-6	11/13/2015	1.0000	< 1.0000	10/20/2014-10/02/2024	20	0.4621
Silver, total	ug/L	MW-6	04/11/2016	1.0000	< 1.0000	10/20/2014-10/02/2024	20	0.4621
Vanadium, total	ug/L	MW-6	06/23/2015	5.0000	< 5.0000	10/20/2014-10/02/2024	20	0.4621
Vanadium, total	ug/L	MW-6	11/13/2015	5.0000	< 5.0000	10/20/2014-10/02/2024	20	0.4621
Vanadium, total	ug/L	MW-6	04/11/2016	5.0000	< 5.0000	10/20/2014-10/02/2024	20	0.4621
Arsenic, total	ug/L	MW-7	09/12/2019	13.9000		03/15/2017-03/06/2025	17	0.5054
Arsenic, total	ug/L	MW-7	03/31/2022	18.6000		03/15/2017-03/06/2025	17	0.5054
Copper, total	ug/L	MW-7	03/15/2017	13.7000		03/15/2017-03/06/2025	15	0.5457
Copper, total	ug/L	MW-7	09/12/2018	12.7000		03/15/2017-03/06/2025	15	0.5457
Nickel, total	ug/L	MW-7	03/15/2017	19.0000		03/15/2017-03/06/2025	16	0.5240
Nickel, total	ug/L	MW-7	09/12/2018	17.4000		03/15/2017-03/06/2025	16	0.5240

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
Selenium, total	ug/L	AW-1	08/05/2010	ND	5.0000	4.0000
Selenium, total	ug/L	AW-1	09/29/2010	ND	5.0000	4.0000
Selenium, total	ug/L	AW-1	03/24/2011	ND	5.0000	4.0000
Selenium, total	ug/L	AW-1	09/14/2011	ND	5.0000	4.0000
Selenium, total	ug/L	AW-1	12/26/2011	ND	5.0000	4.0000
Selenium, total	ug/L	AW-1	03/20/2012	ND	5.0000	4.0000
Selenium, total	ug/L	AW-1	10/15/2012	ND	5.0000	4.0000
Selenium, total	ug/L	AW-1	03/15/2013	ND	5.0000	4.0000
Selenium, total	ug/L	AW-1	09/07/2013	ND	5.0000	4.0000
Selenium, total	ug/L	AW-1	03/17/2014		10.4000 *	4.0000
Selenium, total	ug/L	AW-1	10/20/2014	ND	5.0000	4.0000
Selenium, total	ug/L	AW-1	03/11/2024	ND	4.0000	4.0000
Selenium, total	ug/L	AW-1	10/02/2024	ND	4.0000	4.0000
Selenium, total	ug/L	AW-1	03/06/2025		47.7000 *	4.0000
Cobalt, total	ug/L	AW-2	08/05/2010		59.8000 *	12.2000
Cobalt, total	ug/L	AW-2	09/29/2010		41.3000 *	12.2000
Cobalt, total	ug/L	AW-2	03/24/2011		24.3000 *	12.2000
Cobalt, total	ug/L	AW-2	07/19/2011		23.1000 *	12.2000
Cobalt, total	ug/L	AW-2	09/14/2011		27.3000 *	12.2000
Cobalt, total	ug/L	AW-2	12/26/2011		23.7000 *	12.2000
Cobalt, total	ug/L	AW-2	03/20/2012		27.6000 *	12.2000
Cobalt, total	ug/L	AW-2	10/15/2012		25.5000 *	12.2000
Cobalt, total	ug/L	AW-2	03/15/2013		32.3000 *	12.2000
Cobalt, total	ug/L	AW-2	09/07/2013		44.0000 *	12.2000
Cobalt, total	ug/L	AW-2	03/17/2014		33.3000 *	12.2000
Cobalt, total	ug/L	AW-2	10/20/2014		99.8000 *	12.2000
Cobalt, total	ug/L	AW-2	06/23/2015		27.2000 *	12.2000
Cobalt, total	ug/L	AW-2	11/12/2015		27.2000 *	12.2000
Cobalt, total	ug/L	AW-2	04/11/2016		22.8000 *	12.2000
Cobalt, total	ug/L	AW-2	09/16/2016		18.4000 *	12.2000
Cobalt, total	ug/L	AW-2	03/15/2017		16.9000 *	12.2000
Cobalt, total	ug/L	AW-2	09/27/2017		15.2000 *	12.2000
Cobalt, total	ug/L	AW-2	03/14/2018		28.2000 *	12.2000
Cobalt, total	ug/L	AW-2	09/12/2018		10.1000	12.2000
Cobalt, total	ug/L	AW-2	04/01/2019		9.6000	12.2000
Cobalt, total	ug/L	AW-2	09/12/2019		10.1000	12.2000
Cobalt, total	ug/L	AW-2	05/06/2020		7.7000	12.2000
Cobalt, total	ug/L	AW-2	09/03/2020		10.6000	12.2000
Cobalt, total	ug/L	AW-2	03/30/2021		8.8000	12.2000
Cobalt, total	ug/L	AW-2	09/08/2021		10.0000	12.2000
Cobalt, total	ug/L	AW-2	03/31/2022		8.9000	12.2000
Cobalt, total	ug/L	AW-2	08/30/2022		12.0000	12.2000
Cobalt, total	ug/L	AW-2	03/07/2023		12.5000 *	12.2000
Cobalt, total	ug/L	AW-2	09/28/2023		5.4000	12.2000
Cobalt, total	ug/L	AW-2	03/11/2024		14.2000 *	12.2000
Cobalt, total	ug/L	AW-2	10/02/2024		13.1000 *	12.2000
Cobalt, total	ug/L	AW-2	03/06/2025		10.3000	12.2000
Copper, total	ug/L	AW-3	08/05/2010	ND	20.0000	10.6000
Copper, total	ug/L	AW-3	09/29/2010		54.8000 *	10.6000
Copper, total	ug/L	AW-3	03/24/2011	ND	20.0000	10.6000
Copper, total	ug/L	AW-3	07/19/2011	ND	20.0000	10.6000
Copper, total	ug/L	AW-3	09/14/2011	ND	20.0000	10.6000
Copper, total	ug/L	AW-3	12/26/2011	ND	20.0000	10.6000
Copper, total	ug/L	AW-3	03/20/2012	ND	20.0000	10.6000
Copper, total	ug/L	AW-3	10/15/2012	ND	20.0000	10.6000
Copper, total	ug/L	AW-3	03/15/2013	ND	20.0000	10.6000
Copper, total	ug/L	AW-3	09/07/2013	ND	20.0000	10.6000
Copper, total	ug/L	AW-3	03/17/2014	ND	20.0000	10.6000
Copper, total	ug/L	AW-3	10/20/2014	ND	20.0000	10.6000
Copper, total	ug/L	AW-3	06/23/2015	ND	2.0000	10.6000
Copper, total	ug/L	AW-3	11/13/2015	ND	2.0000	10.6000
Copper, total	ug/L	AW-3	04/11/2016	ND	5.0000	10.6000
Copper, total	ug/L	AW-3	09/16/2016	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	03/15/2017	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	09/27/2017	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	03/14/2018	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	09/12/2018	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	04/01/2019		4.1000	10.6000
Copper, total	ug/L	AW-3	09/12/2019		5.1000	10.6000
Copper, total	ug/L	AW-3	05/06/2020	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	09/03/2020	ND	4.0000	10.6000

* - Significantly increased over background.

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

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

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

Constituent	Units	Well	Date		Result	Pred. Limit
Copper, total	ug/L	AW-3	03/30/2021	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	09/08/2021	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	03/31/2022	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	08/30/2022	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	03/07/2023	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	09/28/2023	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	03/11/2024		6.1000	10.6000
Copper, total	ug/L	AW-3	10/02/2024	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	03/06/2025		18.7000 *	10.6000
Barium, total	ug/L	MW-24	03/24/2011		63.0000	569.0000
Barium, total	ug/L	MW-24	07/19/2011		72.3000	569.0000
Barium, total	ug/L	MW-24	09/14/2011		84.9000	569.0000
Barium, total	ug/L	MW-24	12/26/2011		88.8000	569.0000
Barium, total	ug/L	MW-24	03/20/2012		86.4000	569.0000
Barium, total	ug/L	MW-24	10/15/2012		82.2000	569.0000
Barium, total	ug/L	MW-24	03/15/2013		73.7000	569.0000
Barium, total	ug/L	MW-24	09/07/2013		86.4000	569.0000
Barium, total	ug/L	MW-24	03/17/2014		72.1000	569.0000
Barium, total	ug/L	MW-24	10/21/2014		130.0000	569.0000
Barium, total	ug/L	MW-24	06/23/2015		339.0000	569.0000
Barium, total	ug/L	MW-24	11/12/2015		393.0000	569.0000
Barium, total	ug/L	MW-24	04/12/2016		374.0000	569.0000
Barium, total	ug/L	MW-24	09/16/2016		333.0000	569.0000
Barium, total	ug/L	MW-24	03/15/2017		544.0000	569.0000
Barium, total	ug/L	MW-24	09/27/2017		567.0000	569.0000
Barium, total	ug/L	MW-24	03/14/2018		632.0000 *	569.0000
Barium, total	ug/L	MW-24	09/12/2018		382.0000	569.0000
Barium, total	ug/L	MW-24	04/01/2019		665.0000 *	569.0000
Barium, total	ug/L	MW-24	09/12/2019		310.0000	569.0000
Barium, total	ug/L	MW-24	05/06/2020		303.0000	569.0000
Barium, total	ug/L	MW-24	09/03/2020		149.0000	569.0000
Barium, total	ug/L	MW-24	03/30/2021		179.0000	569.0000
Barium, total	ug/L	MW-24	09/08/2021		302.0000	569.0000
Barium, total	ug/L	MW-24	03/31/2022		96.2000	569.0000
Barium, total	ug/L	MW-24	08/30/2022		82.7000	569.0000
Barium, total	ug/L	MW-24	03/07/2023		65.1000	569.0000
Barium, total	ug/L	MW-24	09/28/2023		298.0000	569.0000
Barium, total	ug/L	MW-24	03/11/2024		409.0000	569.0000
Barium, total	ug/L	MW-24	10/02/2024		602.0000 *	569.0000
Barium, total	ug/L	MW-24	03/06/2025		559.0000	569.0000
Cobalt, total	ug/L	MW-24	03/24/2011	ND	20.0000	12.2000
Cobalt, total	ug/L	MW-24	07/19/2011		46.5000 *	12.2000
Cobalt, total	ug/L	MW-24	09/14/2011		44.5000 *	12.2000
Cobalt, total	ug/L	MW-24	12/26/2011	ND	20.0000	12.2000
Cobalt, total	ug/L	MW-24	03/20/2012		25.7000 *	12.2000
Cobalt, total	ug/L	MW-24	10/15/2012		26.4000 *	12.2000
Cobalt, total	ug/L	MW-24	03/15/2013		17.6000 *	12.2000
Cobalt, total	ug/L	MW-24	09/07/2013		15.2000 *	12.2000
Cobalt, total	ug/L	MW-24	03/17/2014		12.4000 *	12.2000
Cobalt, total	ug/L	MW-24	10/21/2014		6.8000	12.2000
Cobalt, total	ug/L	MW-24	06/23/2015		0.8340	12.2000
Cobalt, total	ug/L	MW-24	11/12/2015		11.7000	12.2000
Cobalt, total	ug/L	MW-24	04/12/2016		11.8000	12.2000
Cobalt, total	ug/L	MW-24	09/16/2016		1.0000	12.2000
Cobalt, total	ug/L	MW-24	03/15/2017		0.8000	12.2000
Cobalt, total	ug/L	MW-24	09/27/2017		1.0000	12.2000
Cobalt, total	ug/L	MW-24	03/14/2018		1.4000	12.2000
Cobalt, total	ug/L	MW-24	09/12/2018		3.5000	12.2000
Cobalt, total	ug/L	MW-24	04/01/2019		21.9000 *	12.2000
Cobalt, total	ug/L	MW-24	09/12/2019		19.0000 *	12.2000
Cobalt, total	ug/L	MW-24	05/06/2020		5.1000	12.2000
Cobalt, total	ug/L	MW-24	09/03/2020		16.1000 *	12.2000
Cobalt, total	ug/L	MW-24	03/30/2021		14.2000 *	12.2000
Cobalt, total	ug/L	MW-24	09/08/2021		3.5000	12.2000
Cobalt, total	ug/L	MW-24	03/31/2022		8.0000	12.2000
Cobalt, total	ug/L	MW-24	08/30/2022		12.0000	12.2000
Cobalt, total	ug/L	MW-24	03/07/2023		5.2000	12.2000
Cobalt, total	ug/L	MW-24	09/28/2023		7.4000	12.2000
Cobalt, total	ug/L	MW-24	03/11/2024		6.4000	12.2000
Cobalt, total	ug/L	MW-24	10/02/2024		12.9000 *	12.2000
Cobalt, total	ug/L	MW-24	03/06/2025		6.6000	12.2000

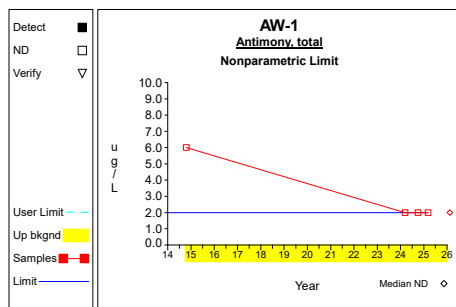
* - Significantly increased over background.

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

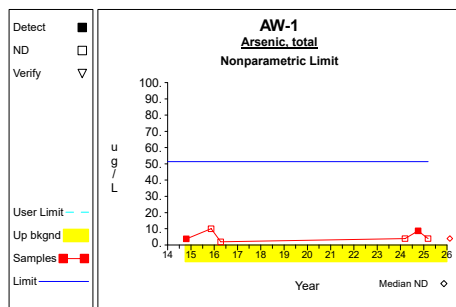
*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

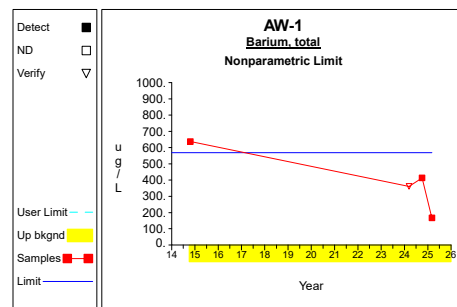
Up vs. Down Prediction Limits



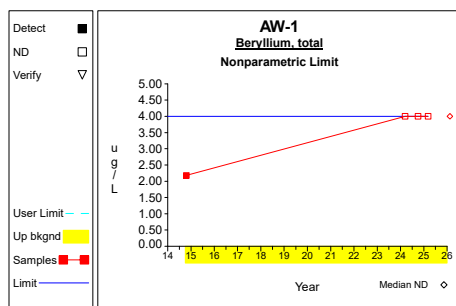
Graph 1



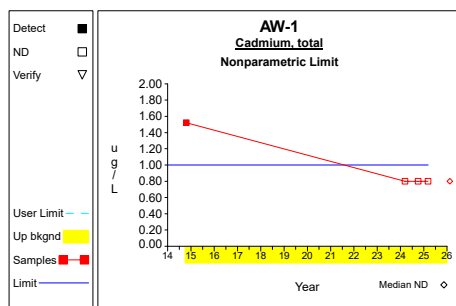
Graph 2



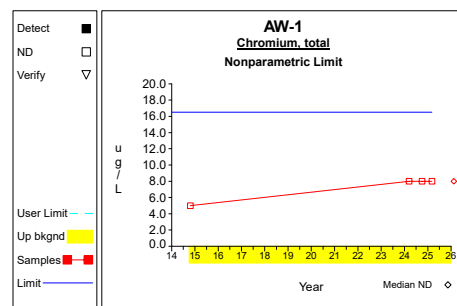
Graph 3



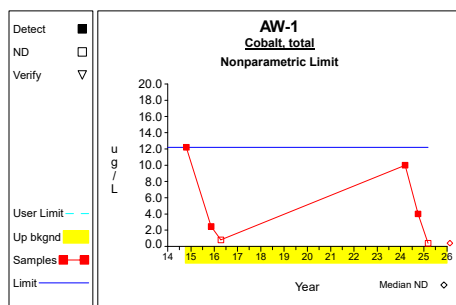
Graph 4



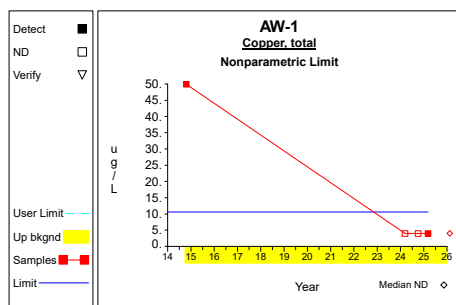
Graph 5



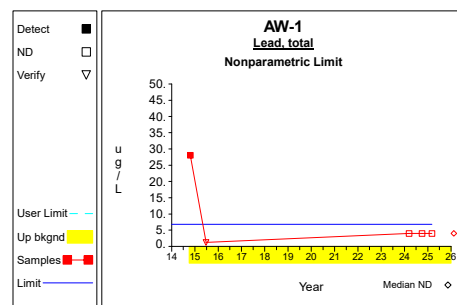
Graph 6



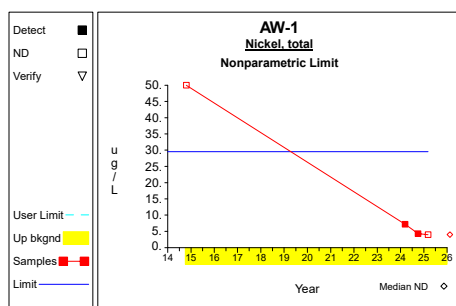
Graph 7



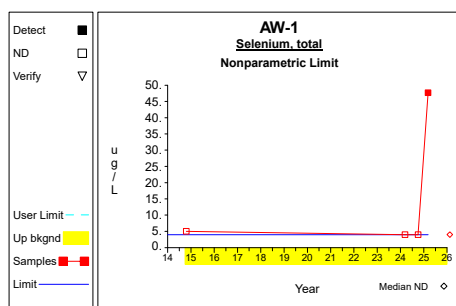
Graph 8



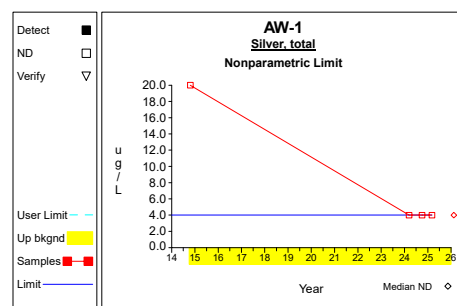
Graph 9



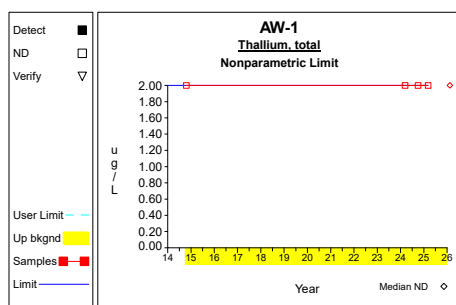
Graph 10



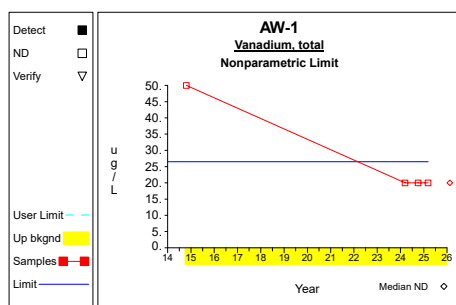
Graph 11



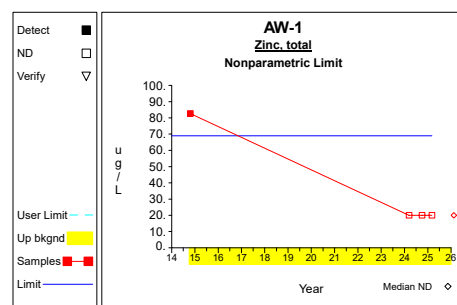
Graph 12



Graph 13

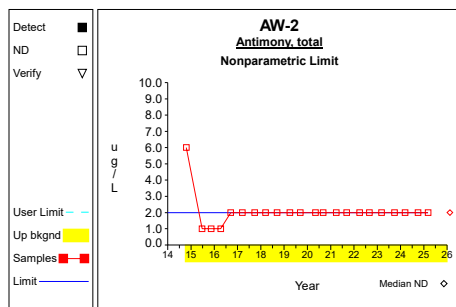


Graph 14

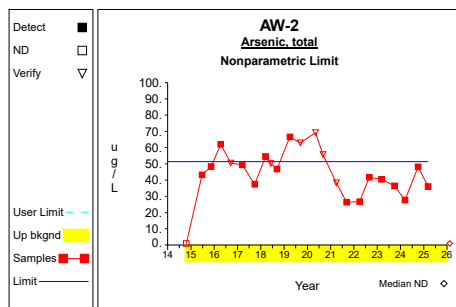


Graph 15

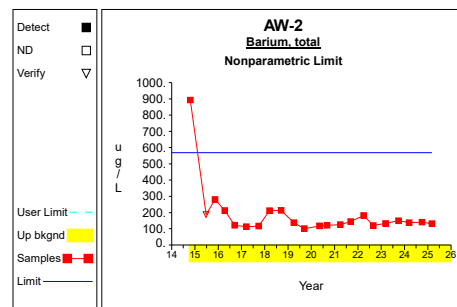
Up vs. Down Prediction Limits



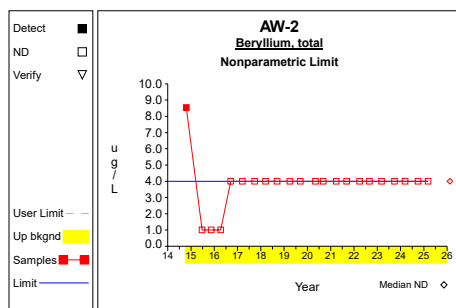
Graph 16



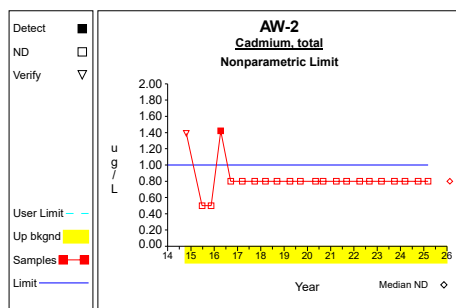
Graph 17



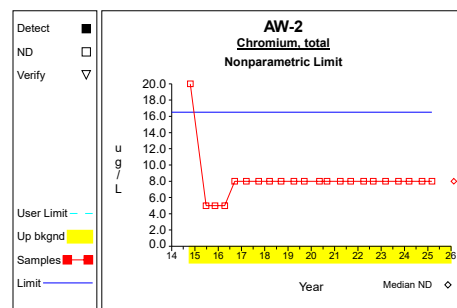
Graph 18



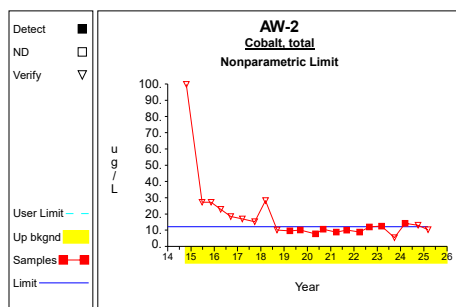
Graph 19



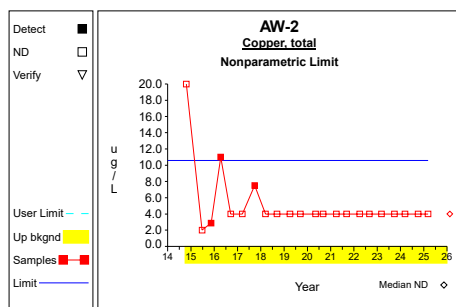
Graph 20



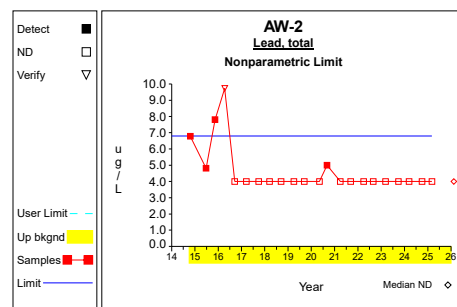
Graph 21



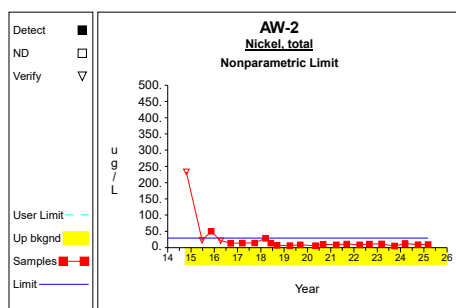
Graph 22



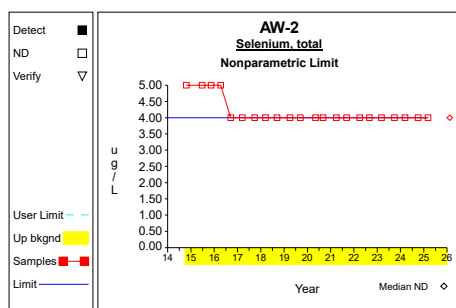
Graph 23



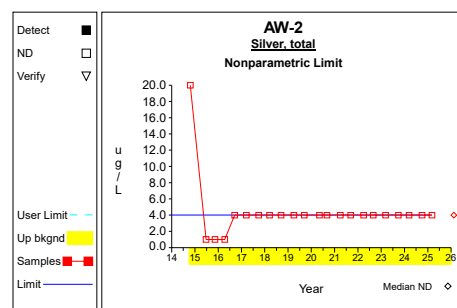
Graph 24



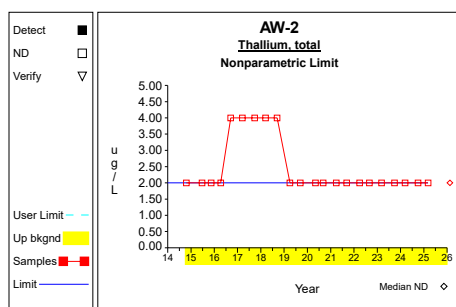
Graph 25



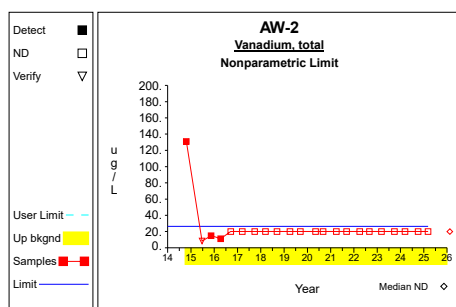
Graph 26



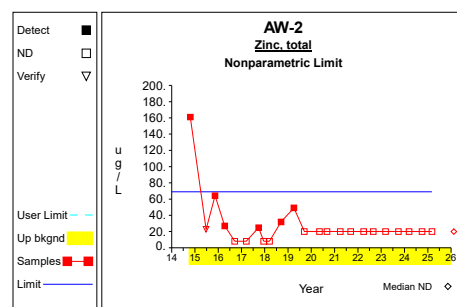
Graph 27



Graph 28

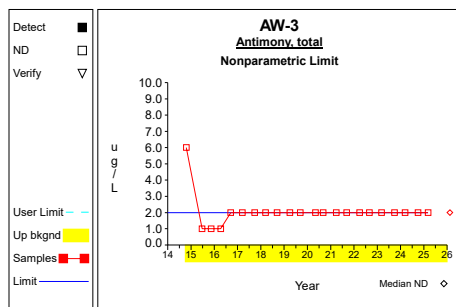


Graph 29

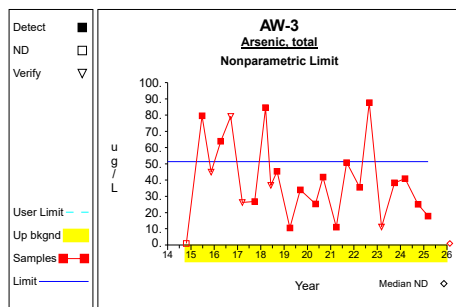


Graph 30

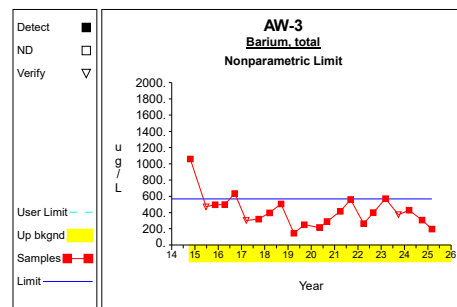
Up vs. Down Prediction Limits



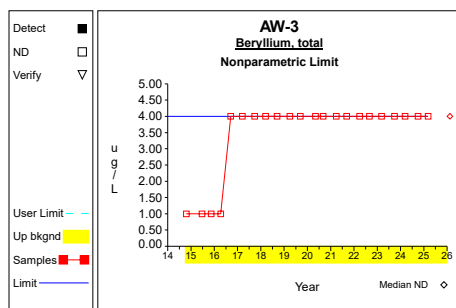
Graph 31



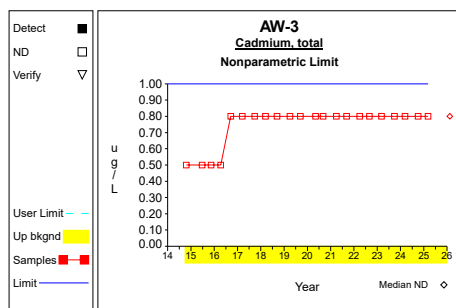
Graph 32



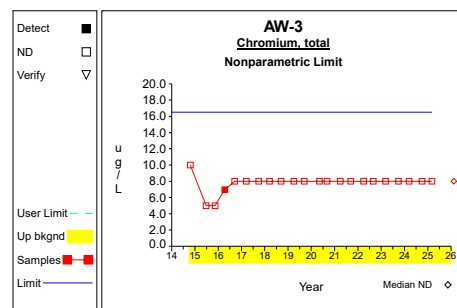
Graph 33



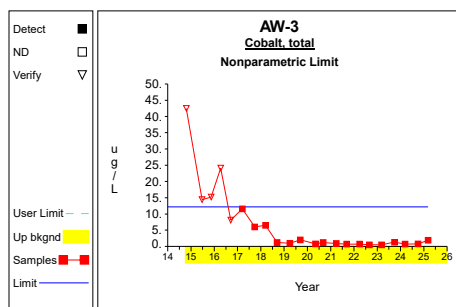
Graph 34



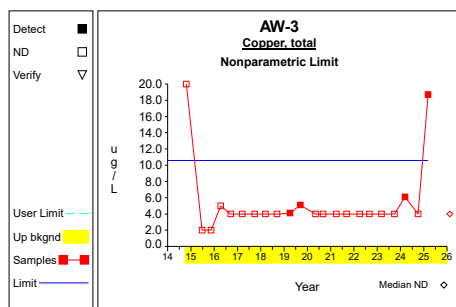
Graph 35



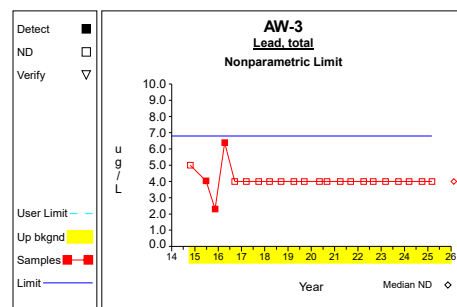
Graph 36



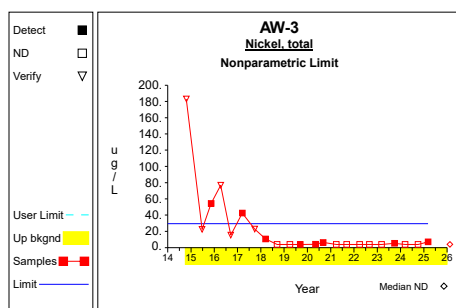
Graph 37



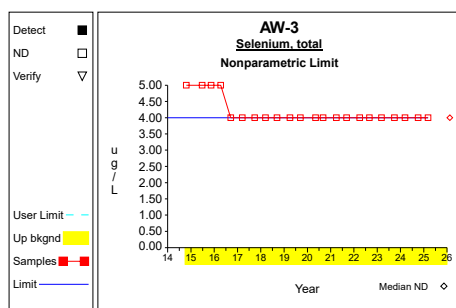
Graph 38



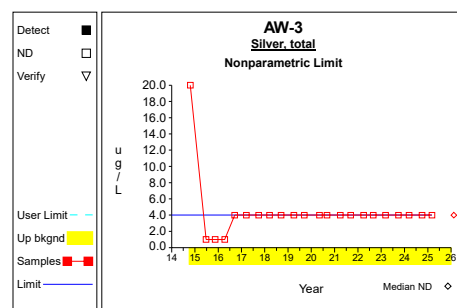
Graph 39



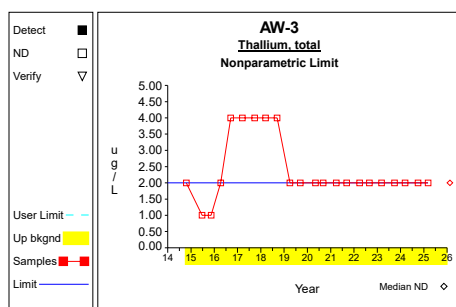
Graph 40



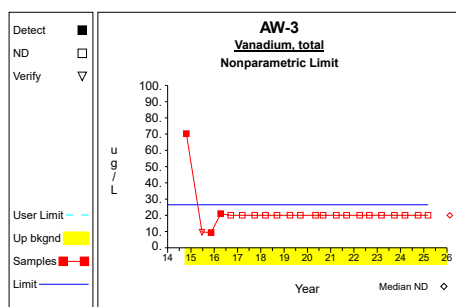
Graph 41



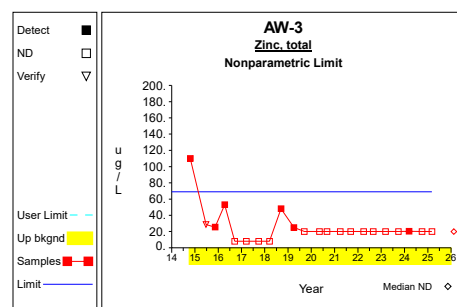
Graph 42



Graph 43

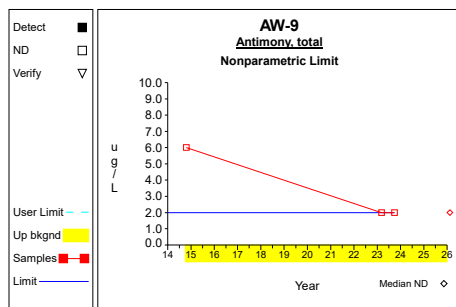


Graph 44

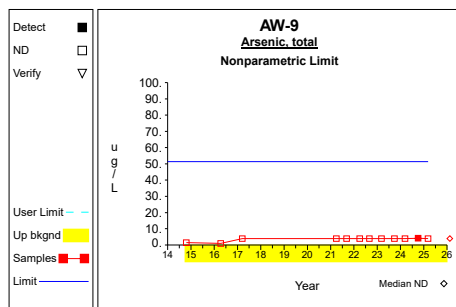


Graph 45

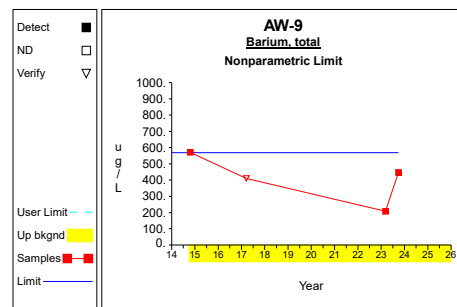
Up vs. Down Prediction Limits



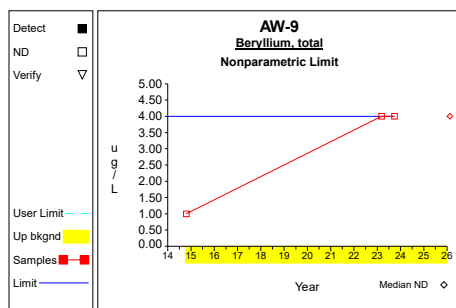
Graph 46



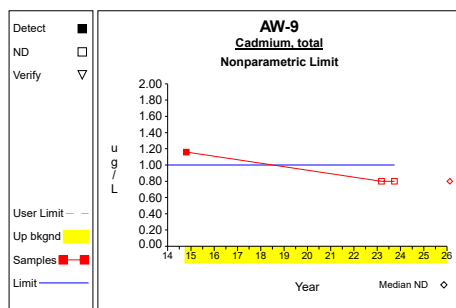
Graph 47



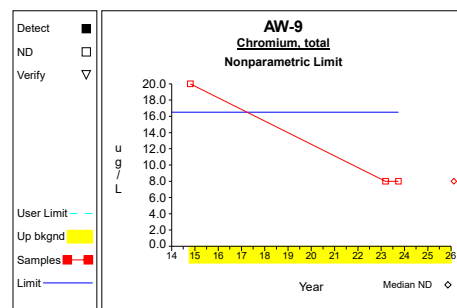
Graph 48



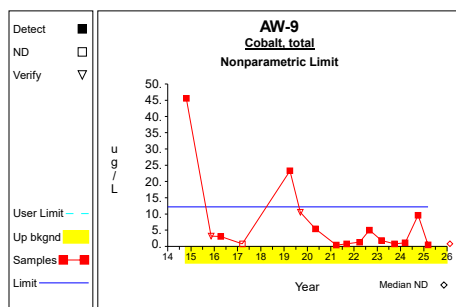
Graph 49



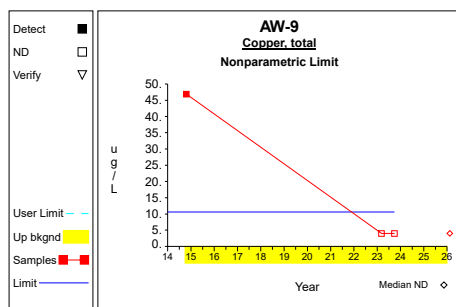
Graph 50



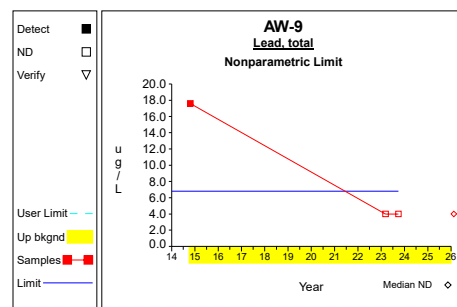
Graph 51



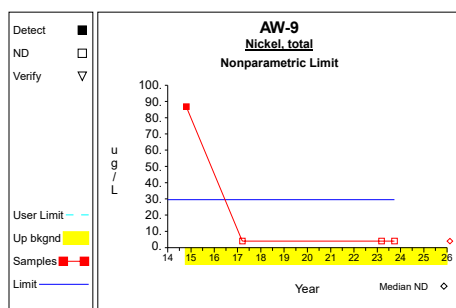
Graph 52



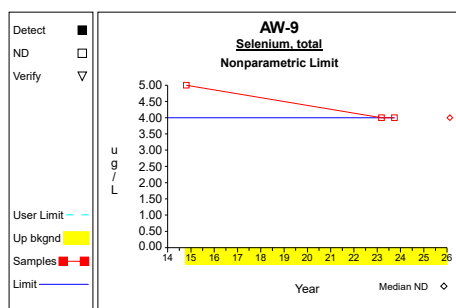
Graph 53



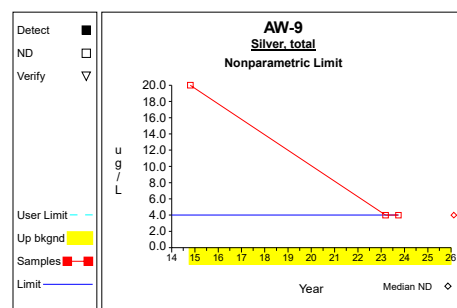
Graph 54



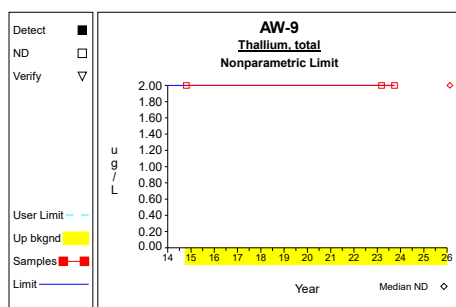
Graph 55



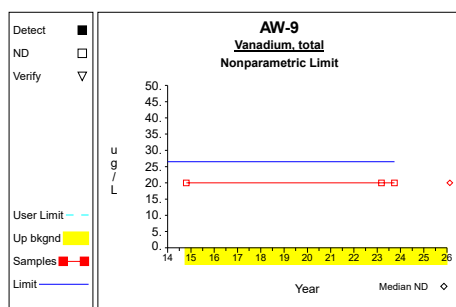
Graph 56



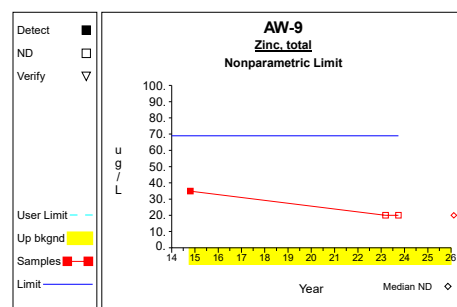
Graph 57



Graph 58

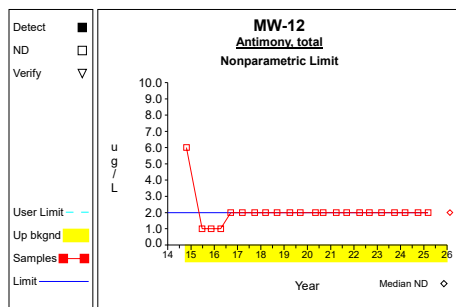


Graph 59

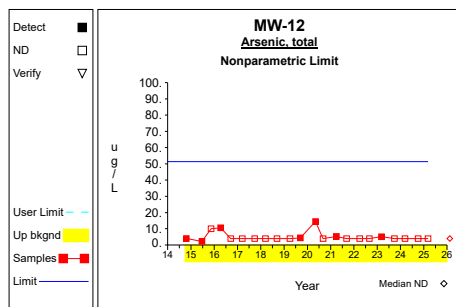


Graph 60

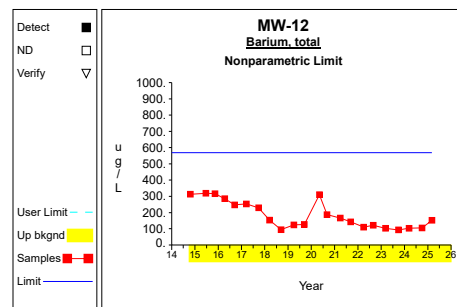
Up vs. Down Prediction Limits



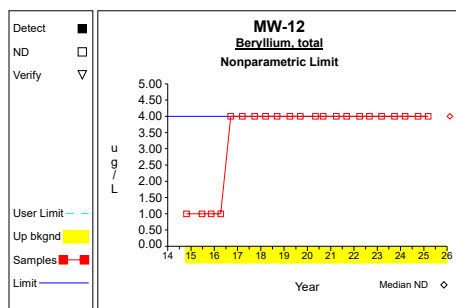
Graph 61



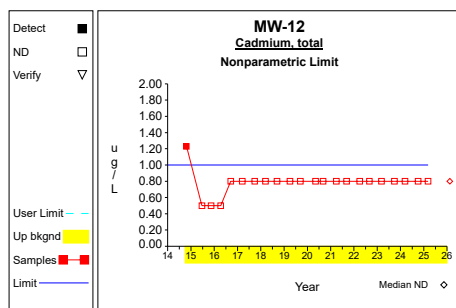
Graph 62



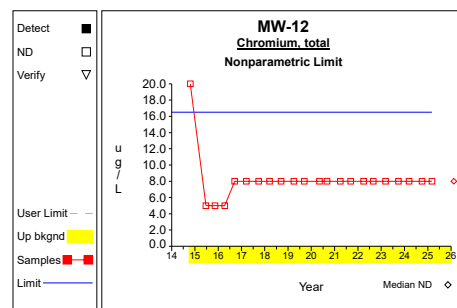
Graph 63



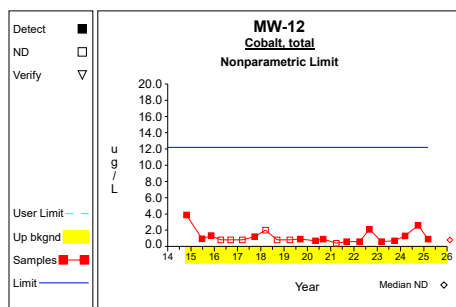
Graph 64



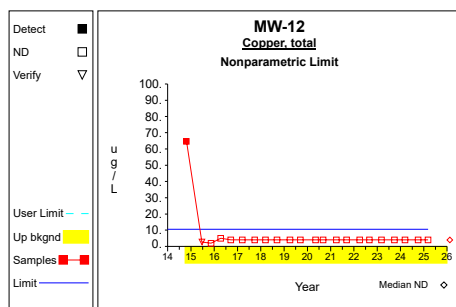
Graph 65



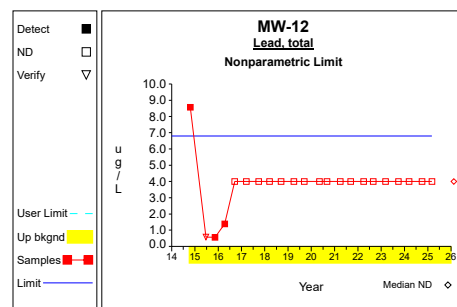
Graph 66



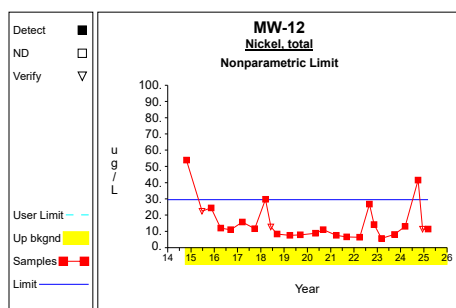
Graph 67



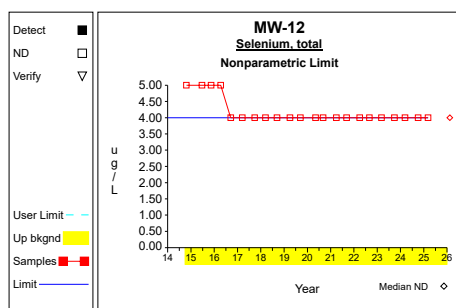
Graph 68



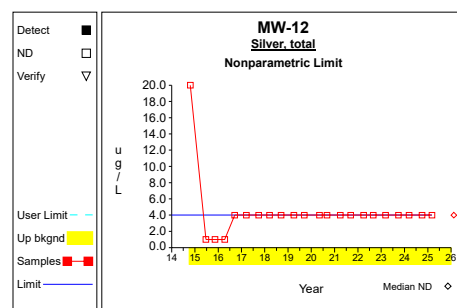
Graph 69



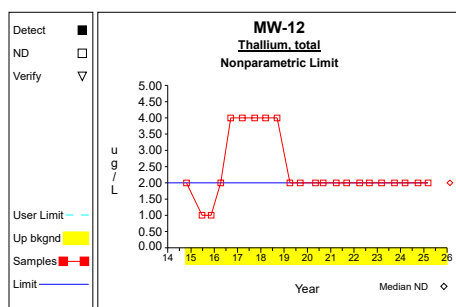
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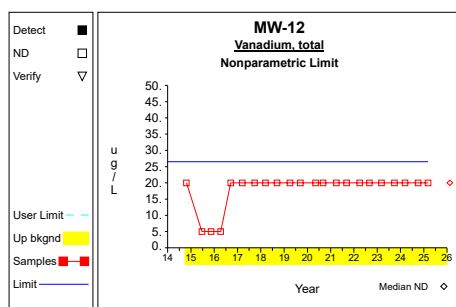
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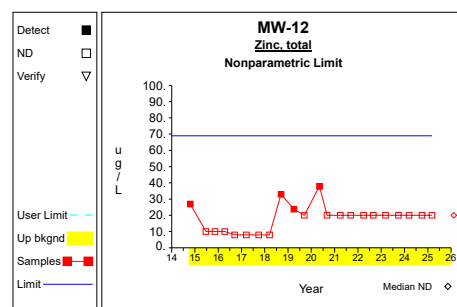
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Graph 73

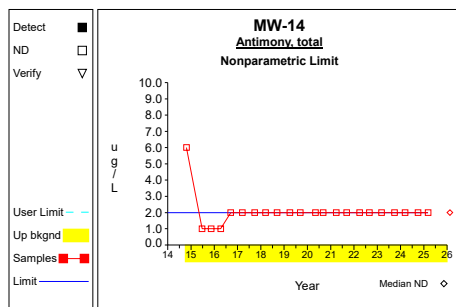


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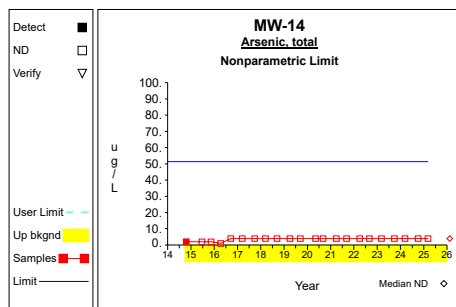


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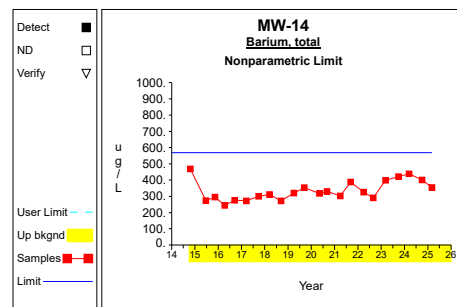
Up vs. Down Prediction Limits



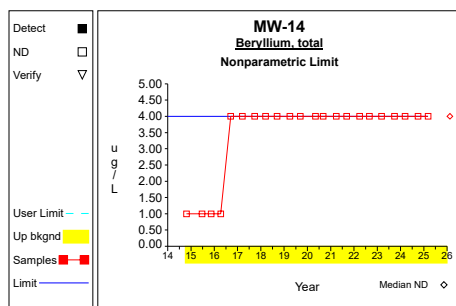
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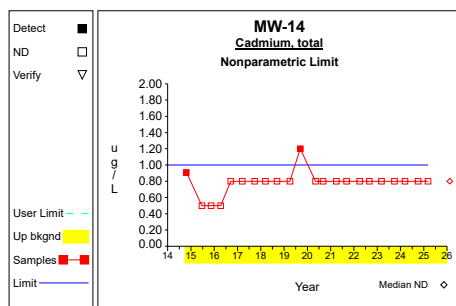
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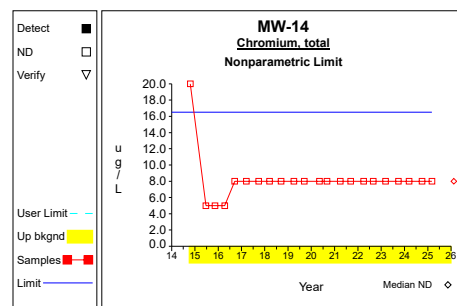
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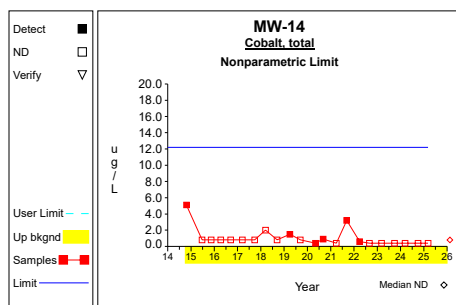
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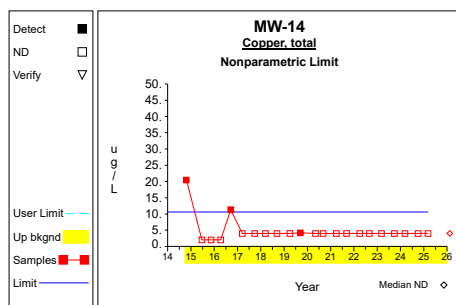
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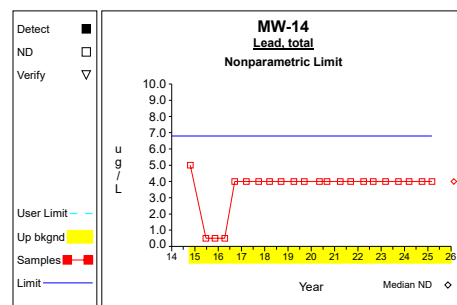
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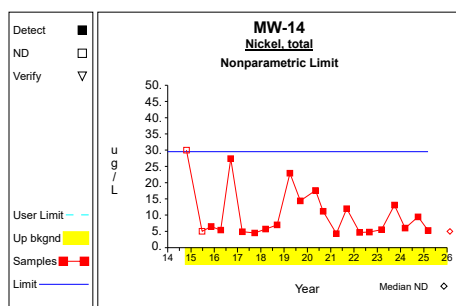
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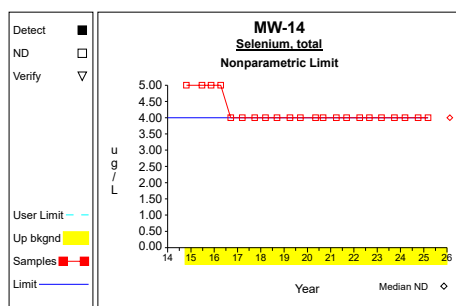
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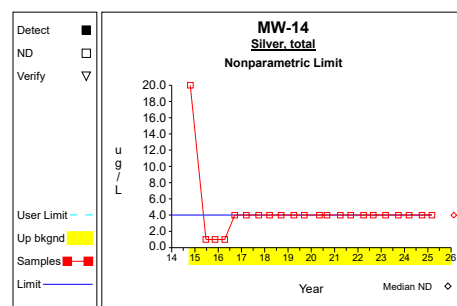
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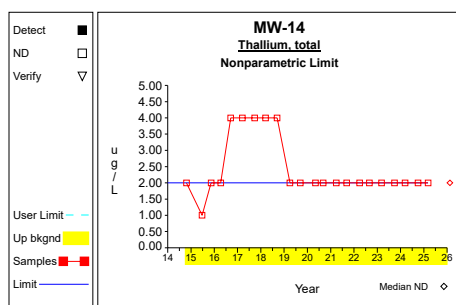
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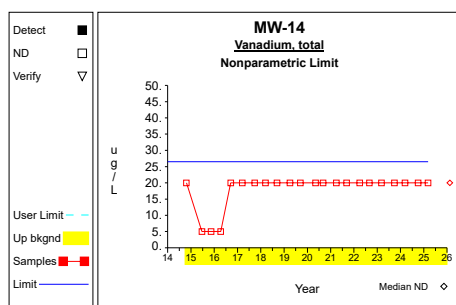
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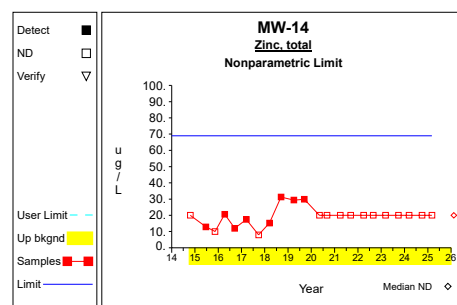
Graph 87



Graph 88

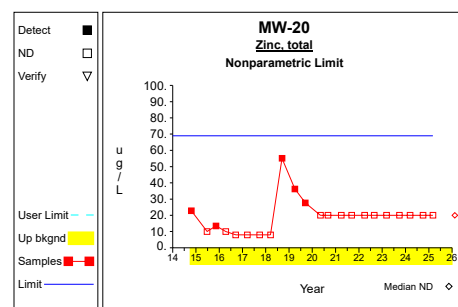
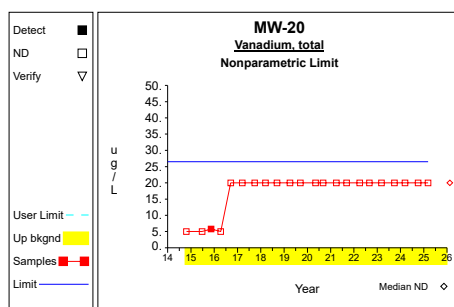
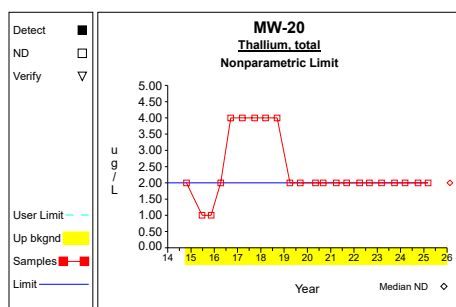
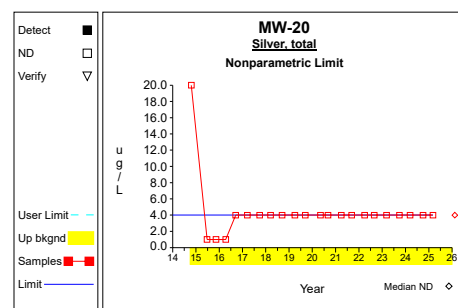
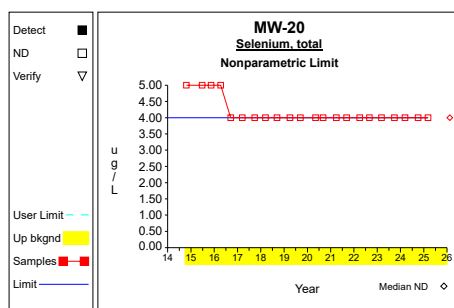
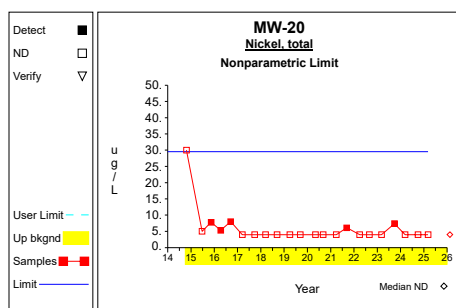
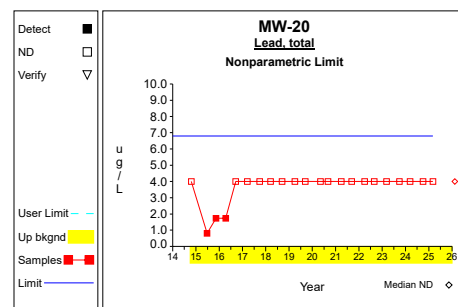
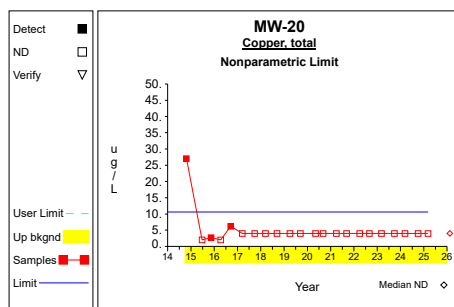
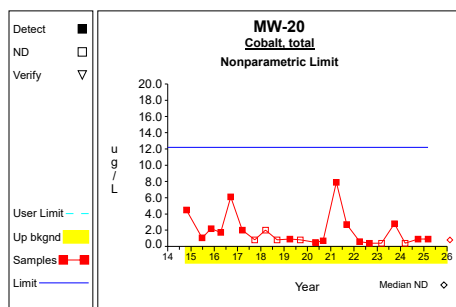
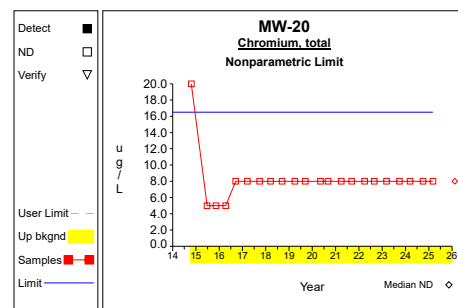
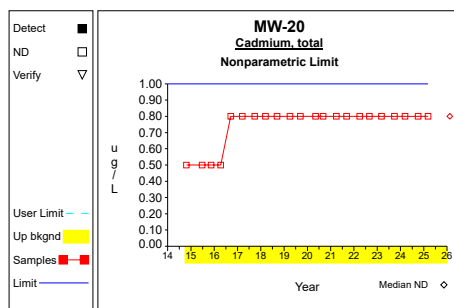
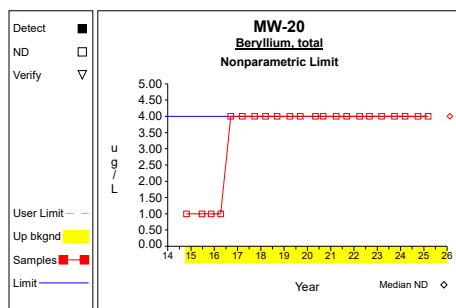
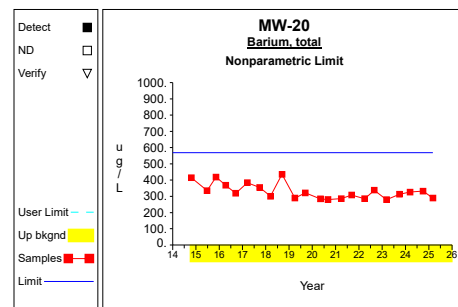
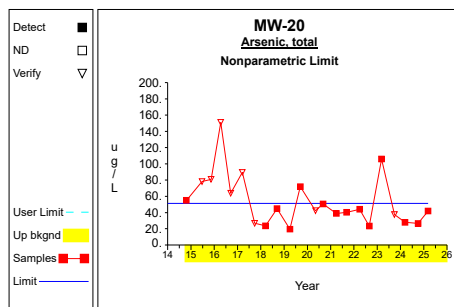
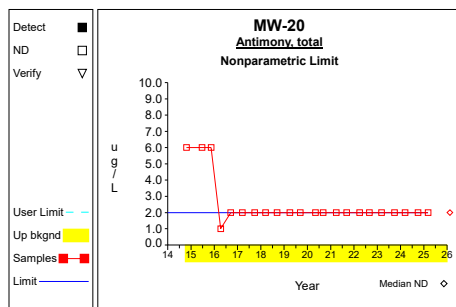


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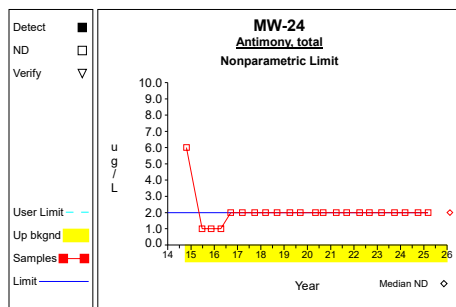


Graph 90

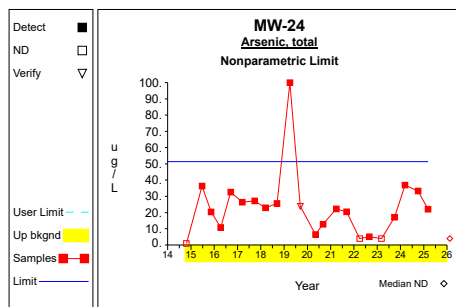
Up vs. Down Prediction Limits



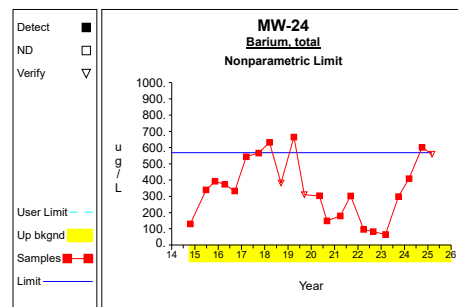
Up vs. Down Prediction Limits



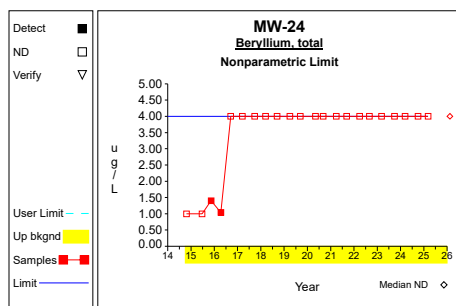
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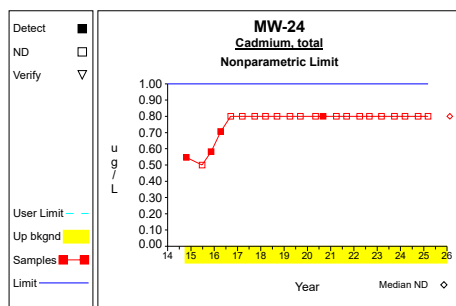
Graph 107



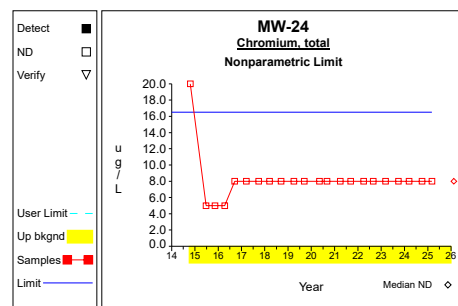
Graph 108



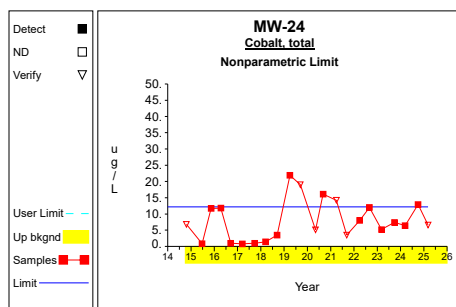
Graph 109



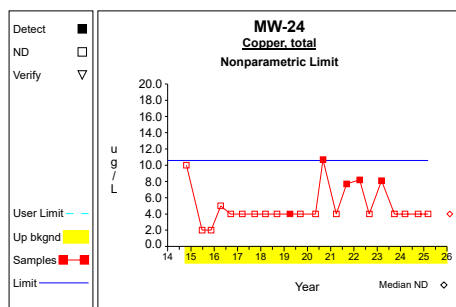
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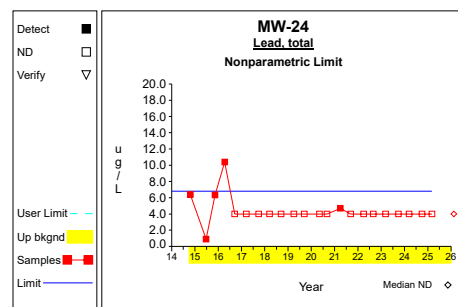
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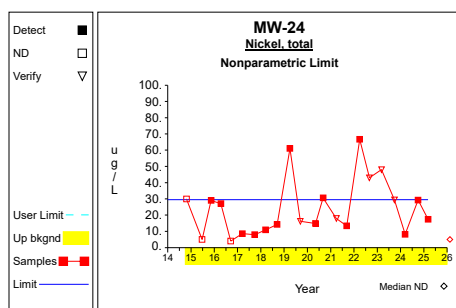
Graph 112



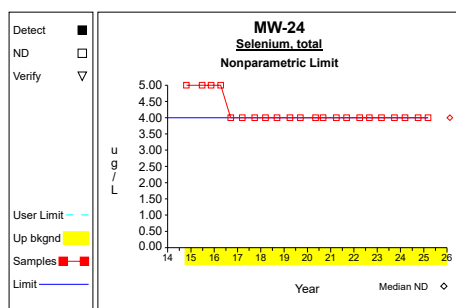
Graph 113



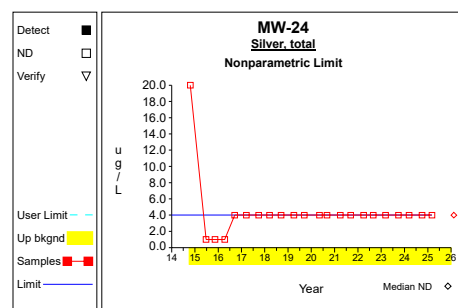
Graph 114



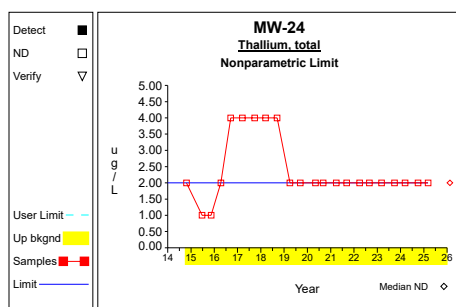
Graph 115



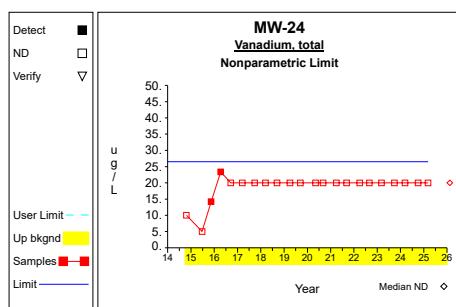
Graph 116



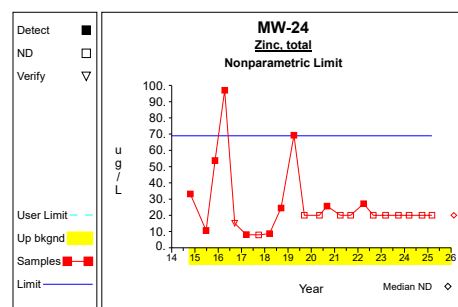
Graph 117



Graph 118

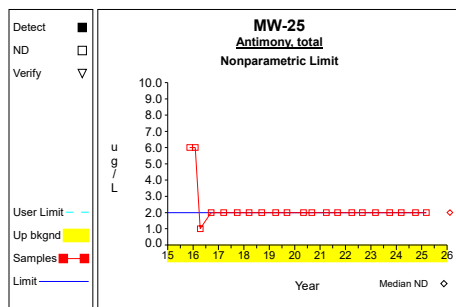


Graph 119

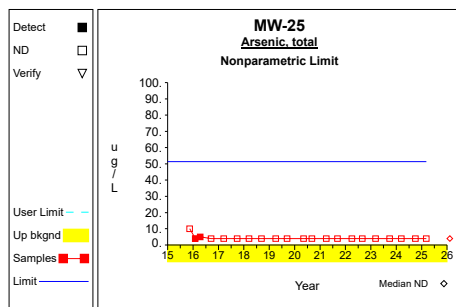


Graph 120

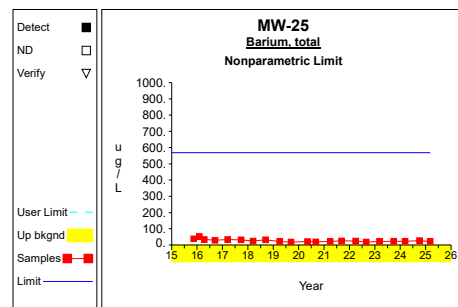
Up vs. Down Prediction Limits



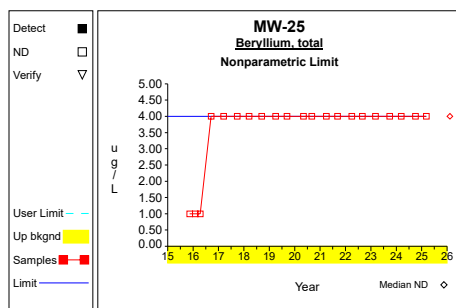
Graph 121



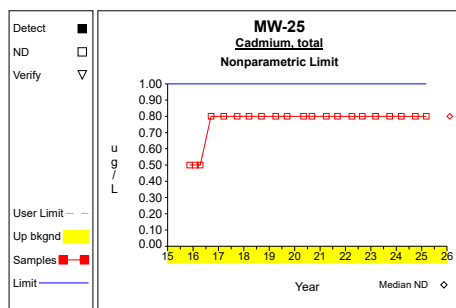
Graph 122



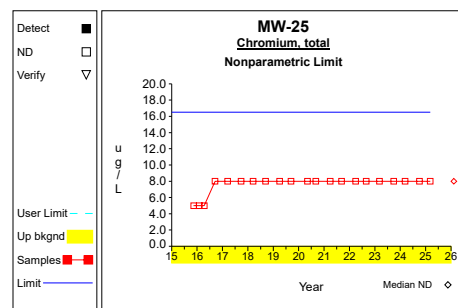
Graph 123



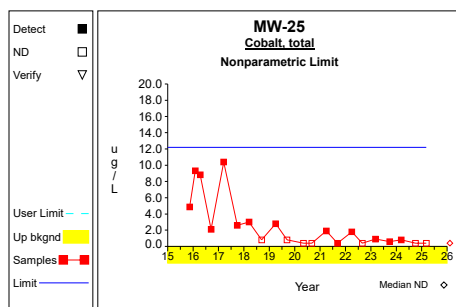
Graph 124



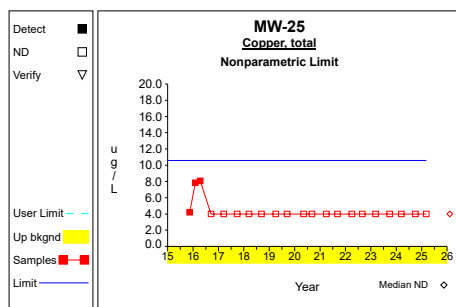
Graph 125



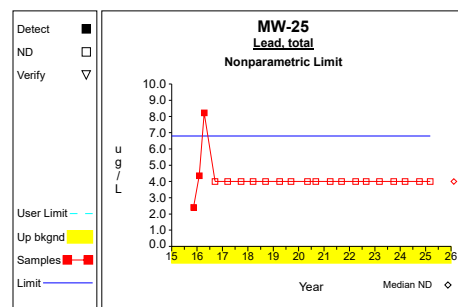
Graph 126



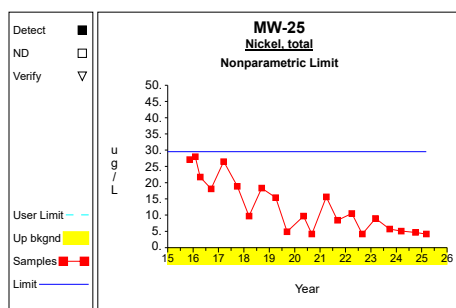
Graph 127



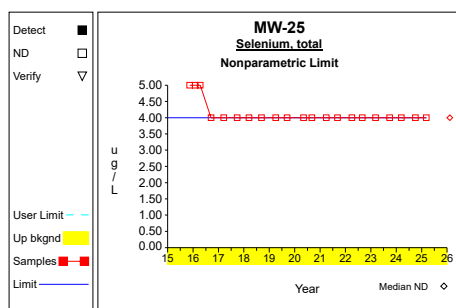
Graph 128



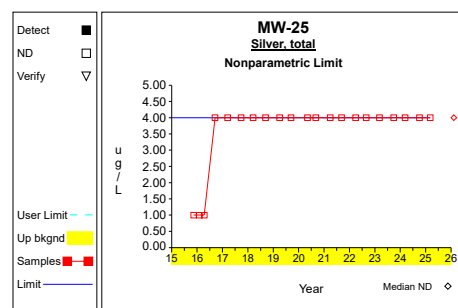
Graph 129



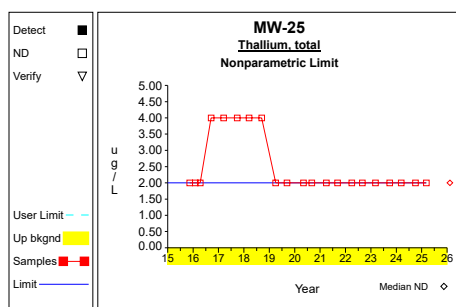
Graph 130



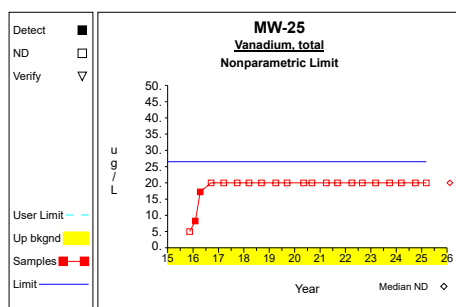
Graph 131



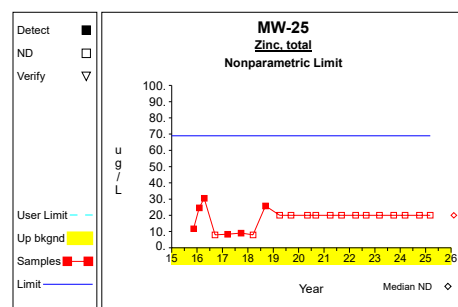
Graph 132



Graph 133

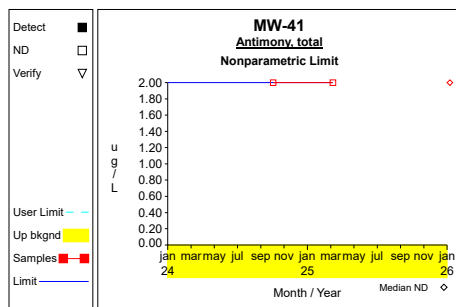


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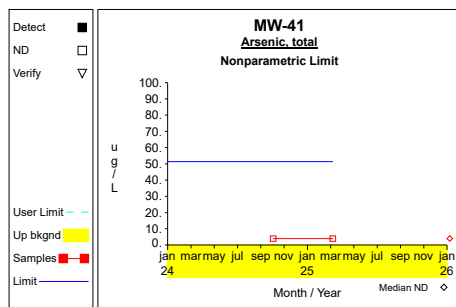


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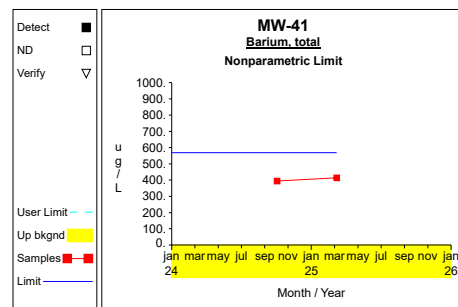
Up vs. Down Prediction Limits



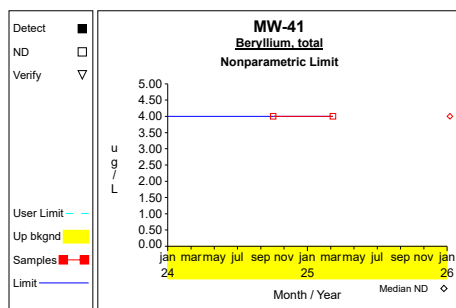
Graph 136



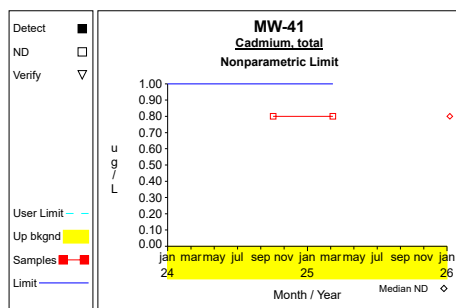
Graph 137



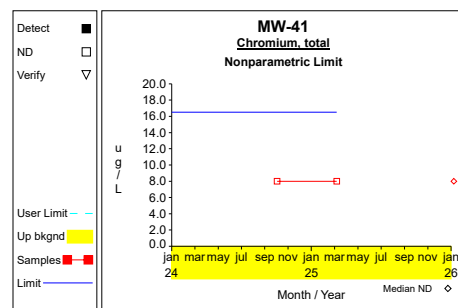
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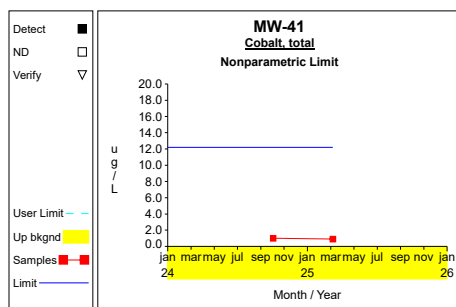
Graph 139



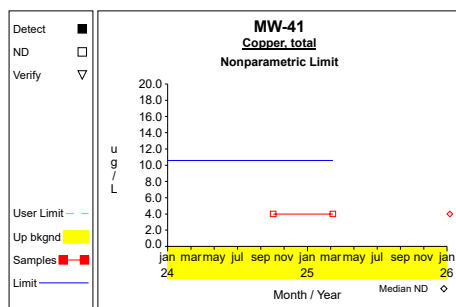
Graph 140



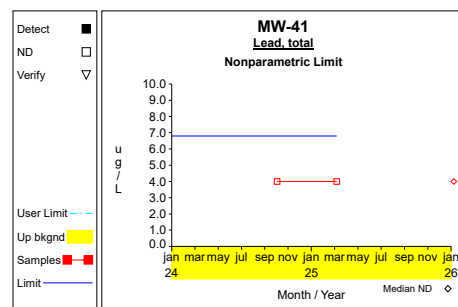
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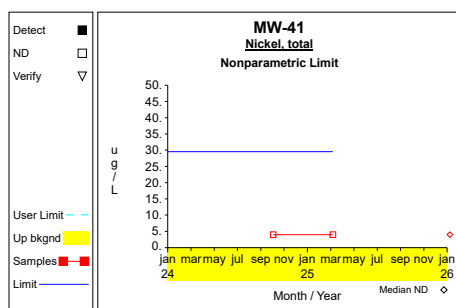
Graph 142



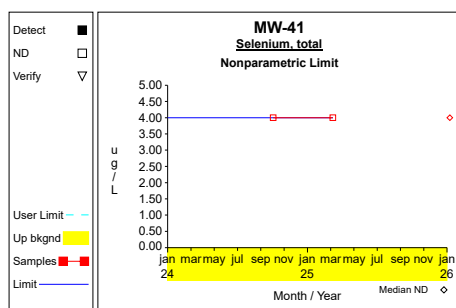
Graph 143



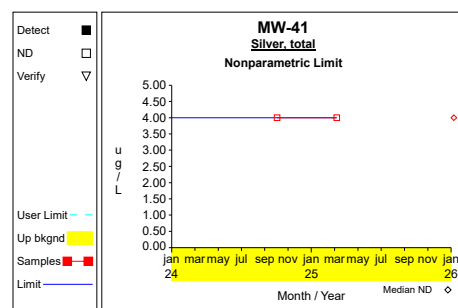
Graph 144



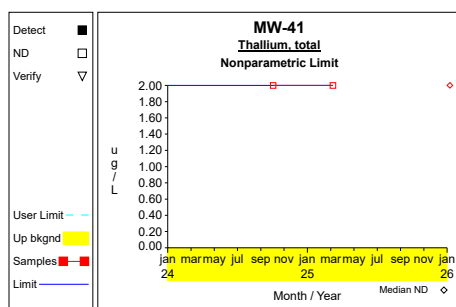
Graph 145



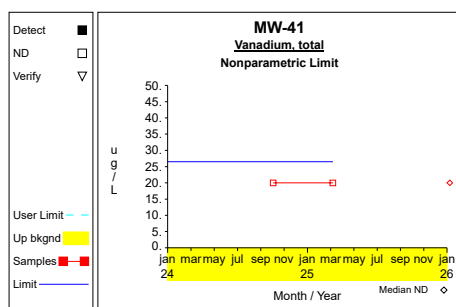
Graph 146



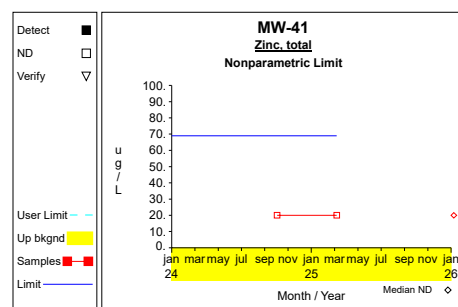
Graph 147



Graph 148

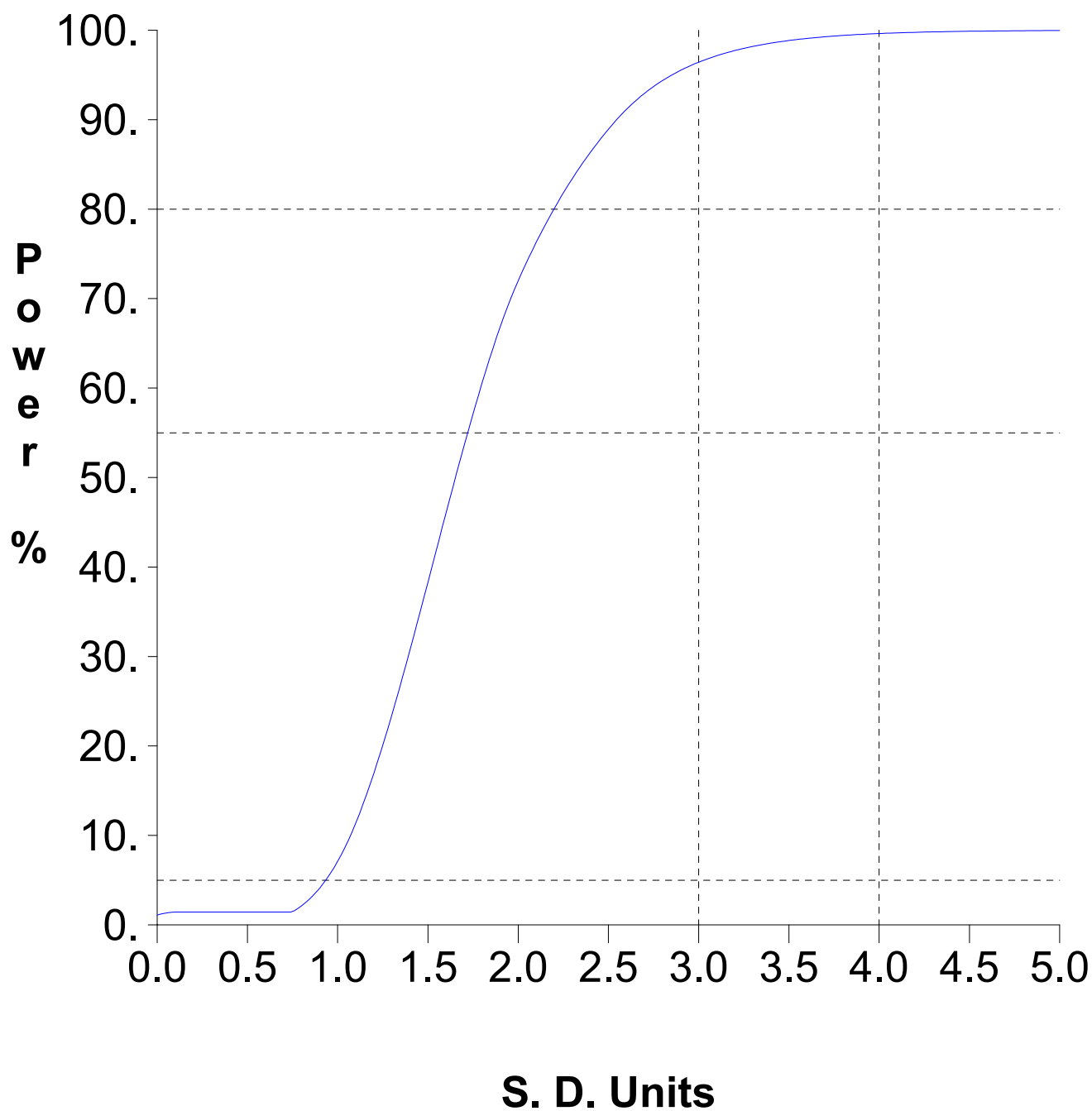


Graph 149



Graph 150

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



Attachment C

Assessment Statistics for Trace Metals

Table 1

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

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Arsenic, total	ug/L	AW-2	4	37.075	8.383	1.176	27.214	46.936	10.000		**
Barium, total	ug/L	AW-2	4	140.250	7.500	1.176	131.428	149.072	2000.000		
Cobalt, total	ug/L	AW-2	4	10.750	3.926	1.176	6.131	15.369	2.100	dec	**
Nickel, total	ug/L	AW-2	4	9.075	3.191	1.176	5.321	12.829	100.000	dec	
Arsenic, total	ug/L	AW-3	4	30.525	10.946	1.176	17.649	43.401	10.000		**
Barium, total	ug/L	AW-3	4	326.750	99.634	1.176	209.552	443.948	2000.000		
Cobalt, total	ug/L	AW-3	4	1.175	0.550	1.176	0.528	1.822	2.100	dec	
Nickel, total	ug/L	AW-3	4	4.100	2.534	1.176	1.120	7.080	100.000		
Arsenic, total	ug/L	AW-9	4	2.550	1.100	1.176	1.256	3.844	10.000		
Barium, total	ug/L	AW-9	4	409.000	150.654	1.176	231.787	586.213	2000.000		
Cobalt, total	ug/L	AW-9	4	3.000	4.407	1.176	0.000	8.184	2.100		
Nickel, total	ug/L	AW-9	4	23.200	42.400	1.176	0.000	73.075	100.000		
Arsenic, total	ug/L	MW-12	4	2.000	0.000	1.176	2.000	2.000	10.000		
Barium, total	ug/L	MW-12	4	113.450	26.288	1.176	82.527	144.373	2000.000	dec	
Cobalt, total	ug/L	MW-12	4	1.375	0.854	1.176	0.371	2.379	2.100		
Nickel, total	ug/L	MW-12	4	19.350	14.856	1.176	1.875	36.825	100.000		
Arsenic, total	ug/L	MW-14	4	2.000	0.000	1.176	2.000	2.000	10.000		
Barium, total	ug/L	MW-14	4	404.000	36.166	1.176	361.458	446.542	2000.000	inc	
Cobalt, total	ug/L	MW-14	4	0.400	0.000	1.176	0.400	0.400	2.100		
Nickel, total	ug/L	MW-14	4	8.475	3.589	1.176	4.253	12.697	100.000		
Arsenic, total	ug/L	MW-20	4	33.500	7.397	1.176	24.799	42.201	10.000		**
Barium, total	ug/L	MW-20	4	315.000	19.061	1.176	292.578	337.422	2000.000		
Cobalt, total	ug/L	MW-20	4	1.250	1.060	1.176	0.003	2.497	2.100		
Nickel, total	ug/L	MW-20	4	3.350	2.700	1.176	0.174	6.526	100.000		
Arsenic, total	ug/L	MW-24	4	27.325	9.315	1.176	16.368	38.282	10.000		**
Barium, total	ug/L	MW-24	4	467.000	139.778	1.176	302.580	631.420	2000.000		
Cobalt, total	ug/L	MW-24	4	8.325	3.080	1.176	4.702	11.948	2.100		**
Nickel, total	ug/L	MW-24	4	21.100	10.255	1.176	9.037	33.163	100.000		

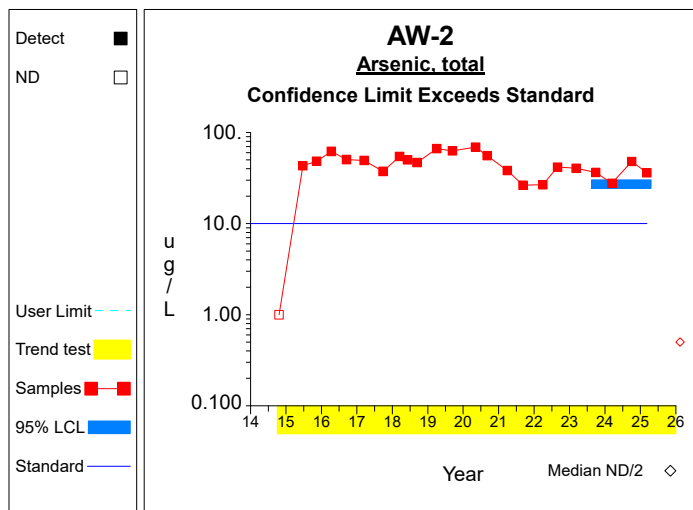
* - Insufficient Data

** - Significant Exceedance

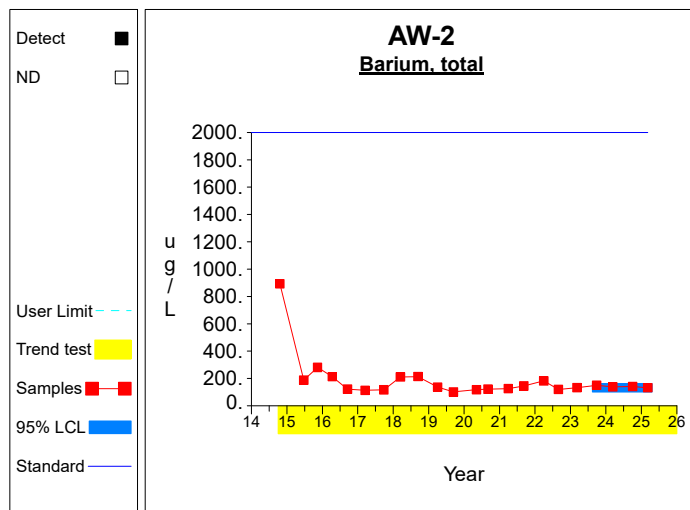
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

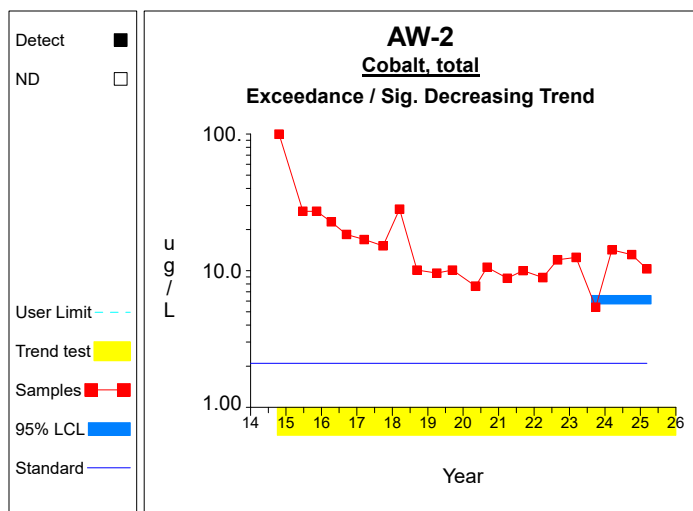
Confidence Limits (Assessment)



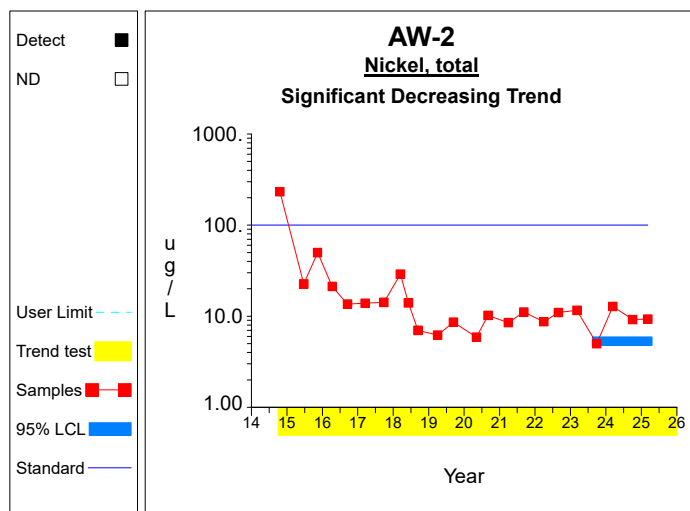
Graph 1



Graph 2

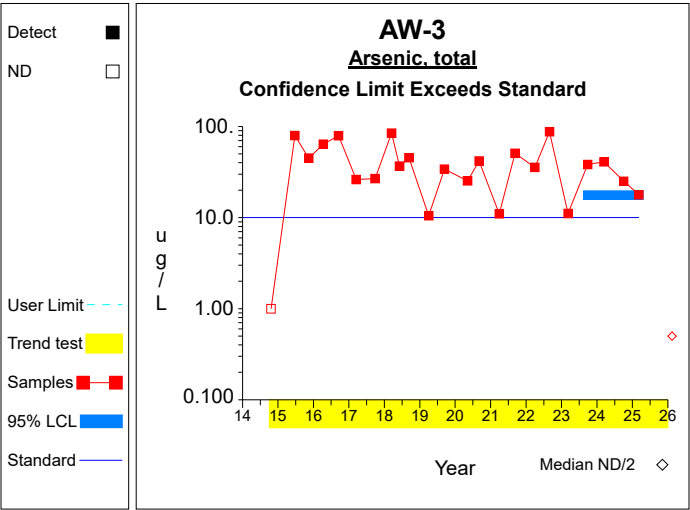


Graph 3

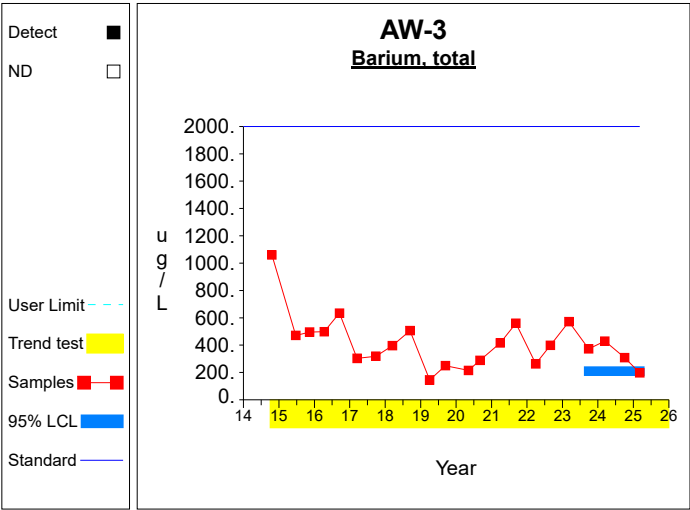


Graph 4

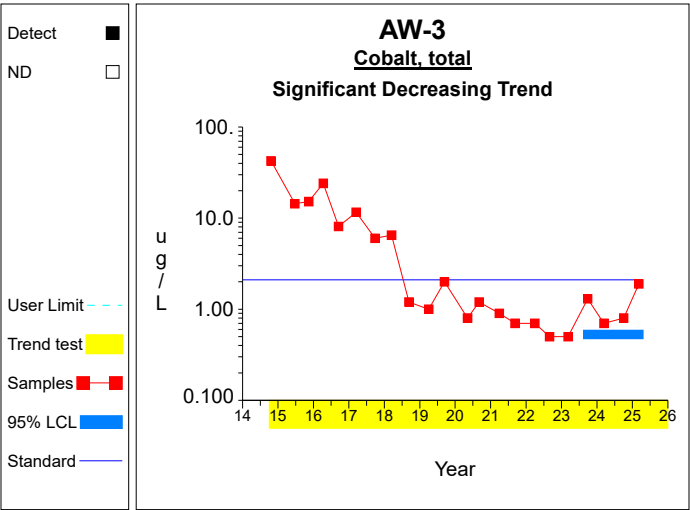
Confidence Limits (Assessment)



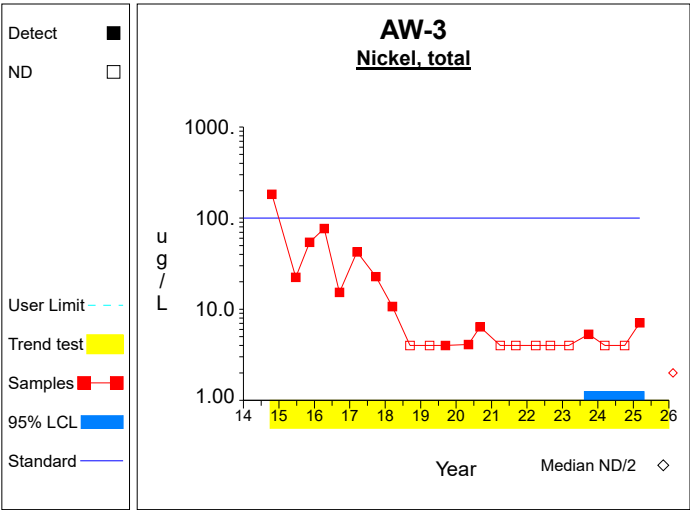
Graph 5



Graph 6

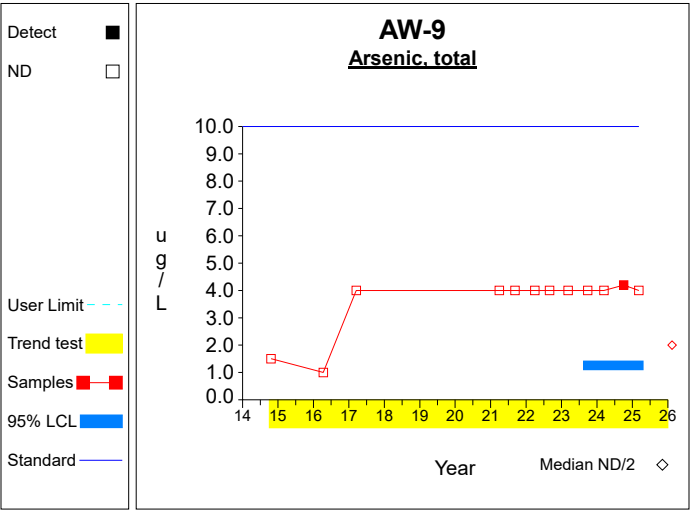


Graph 7

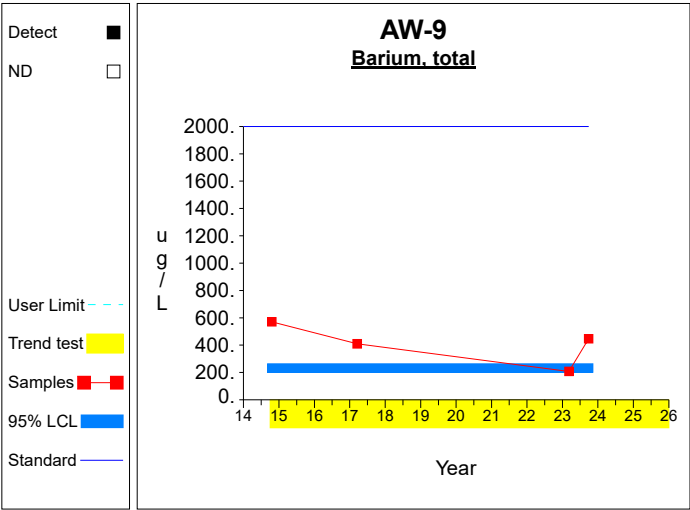


Graph 8

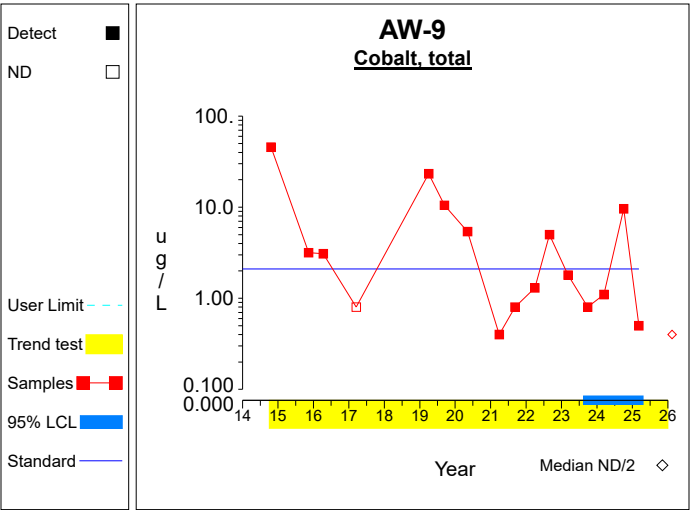
Confidence Limits (Assessment)



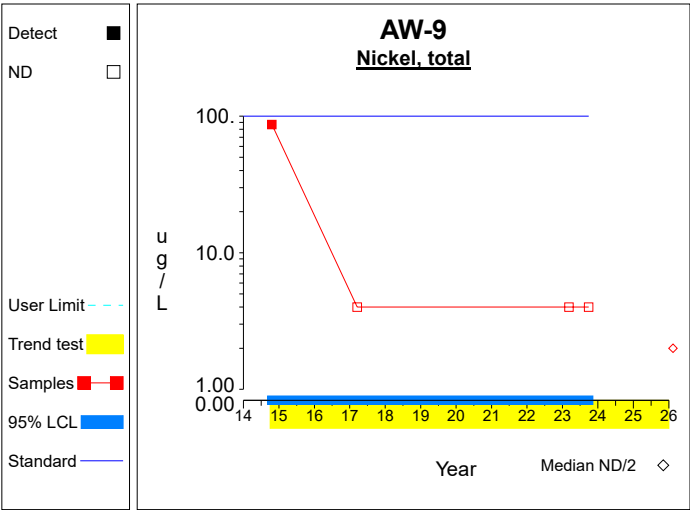
Graph 9



Graph 10

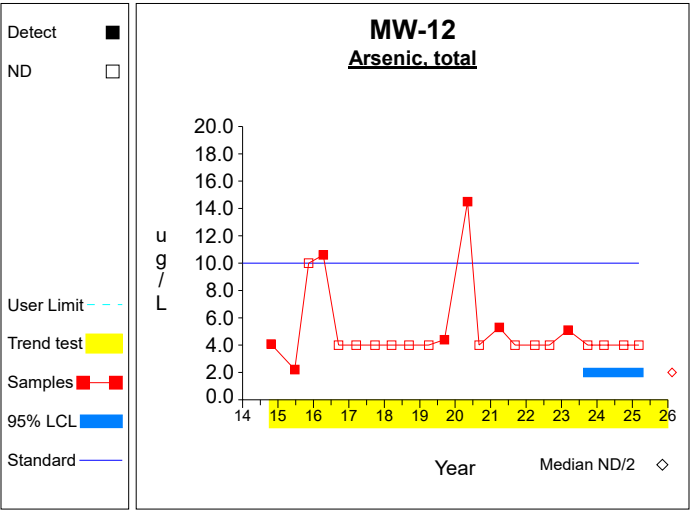


Graph 11

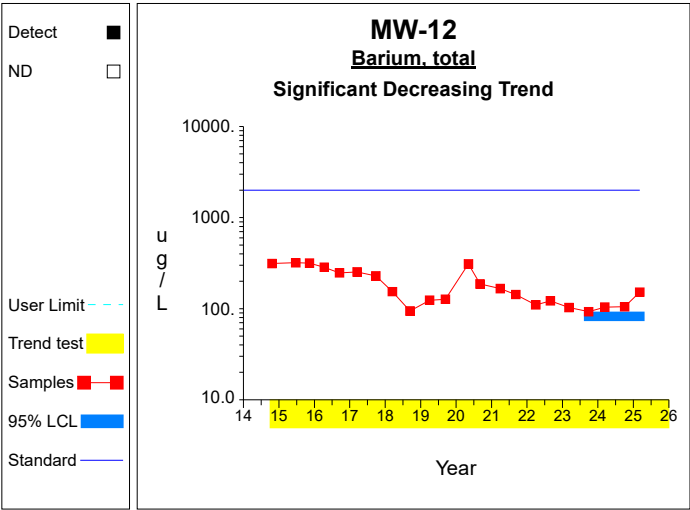


Graph 12

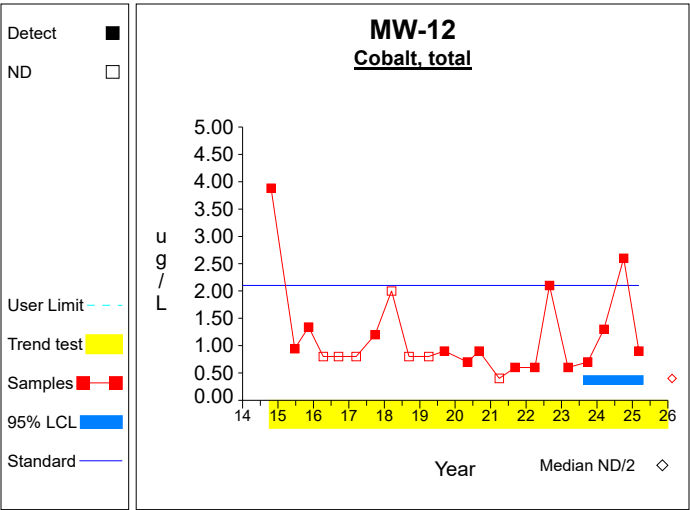
Confidence Limits (Assessment)



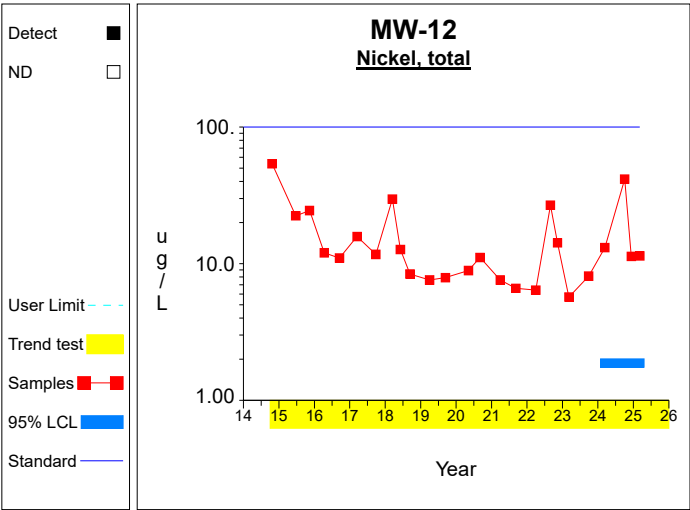
Graph 13



Graph 14

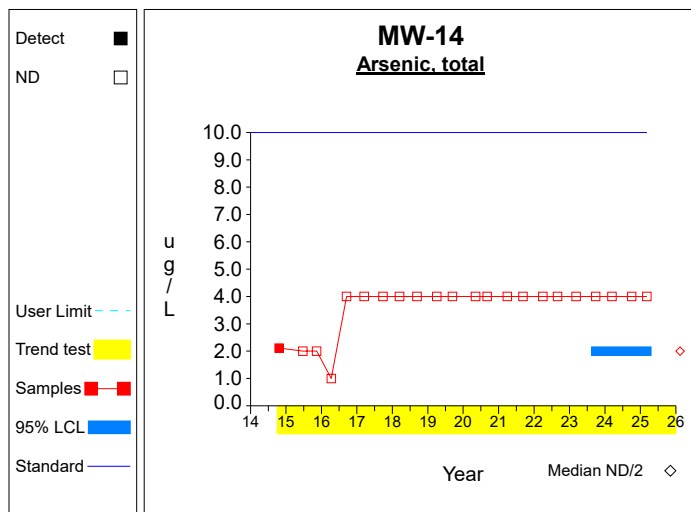


Graph 15

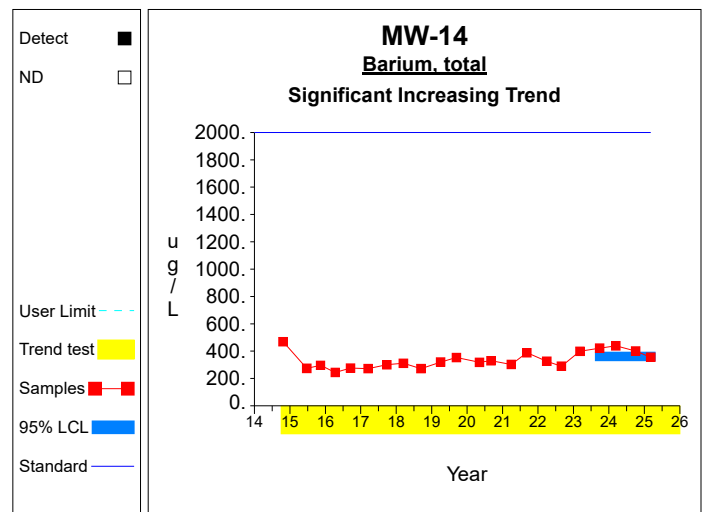


Graph 16

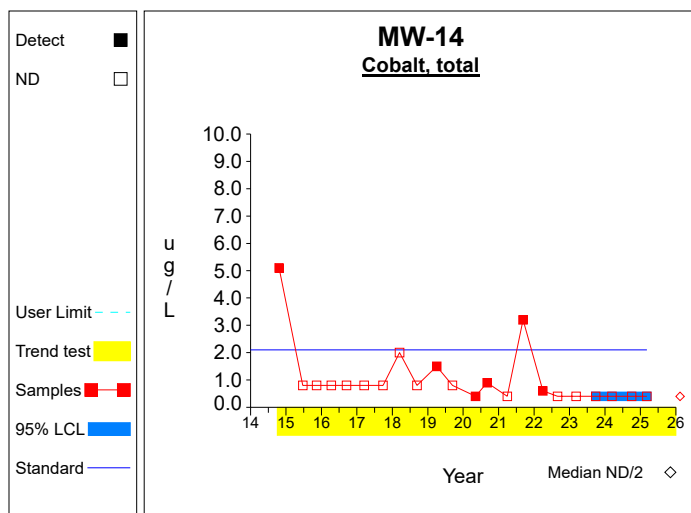
Confidence Limits (Assessment)



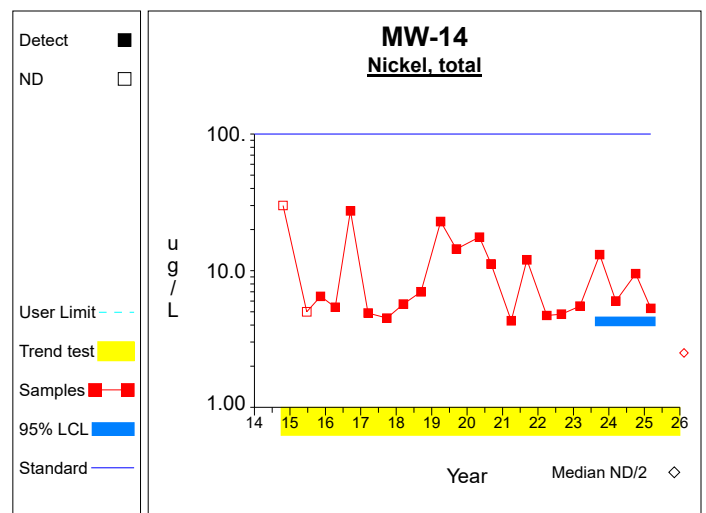
Graph 17



Graph 18

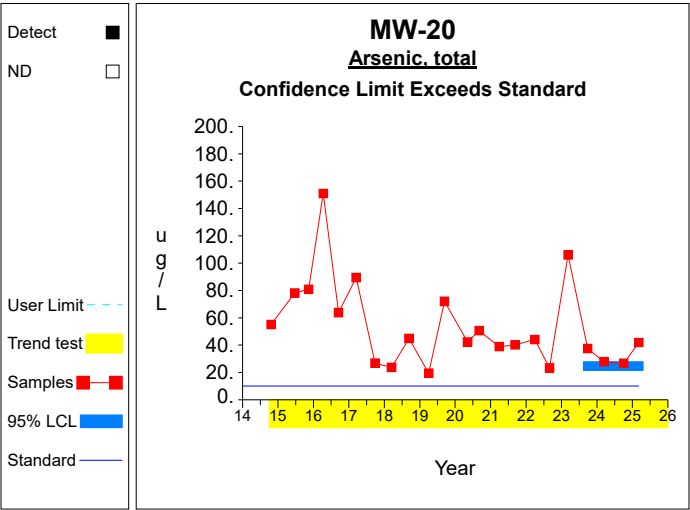


Graph 19

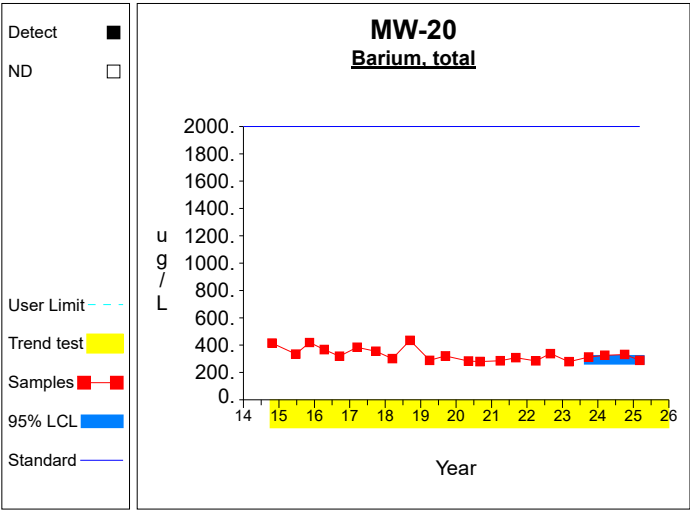


Graph 20

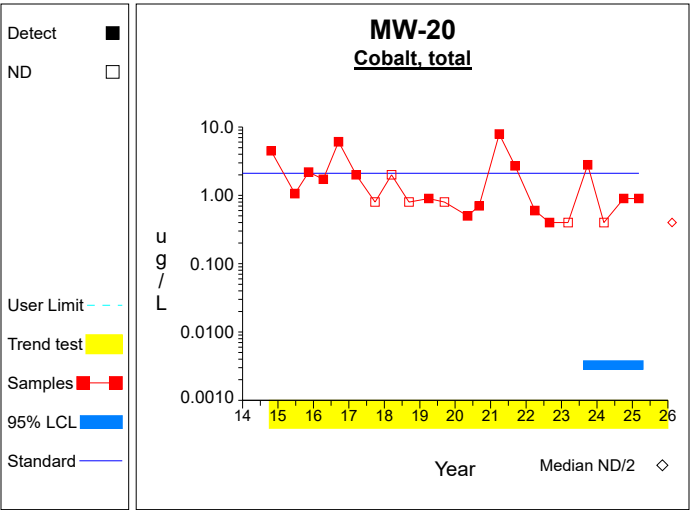
Confidence Limits (Assessment)



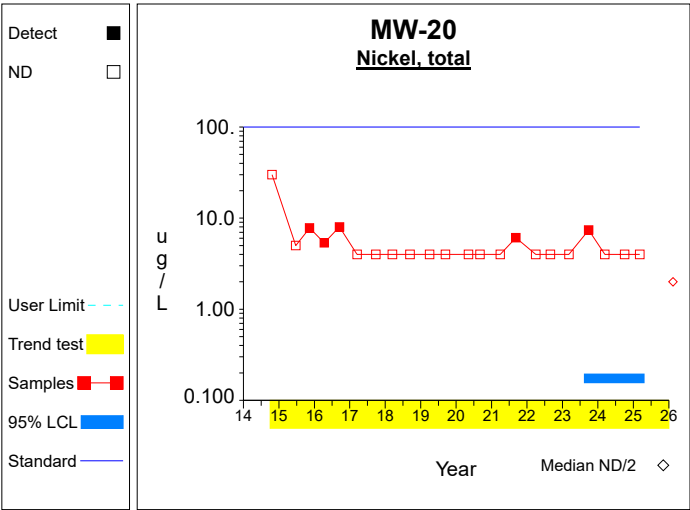
Graph 21



Graph 22

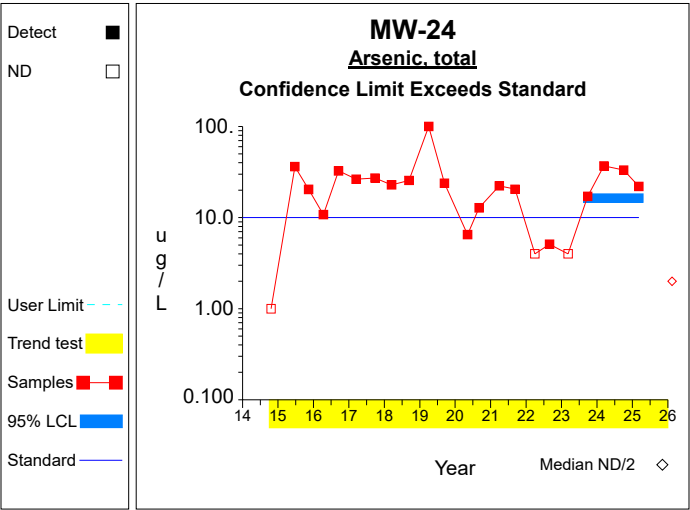


Graph 23

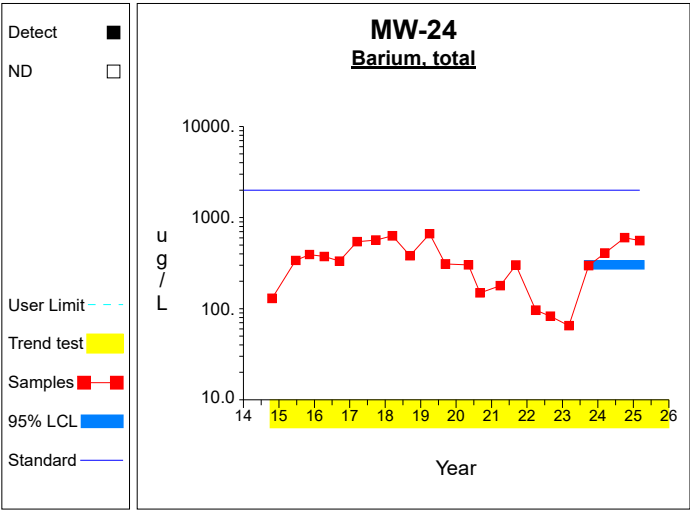


Graph 24

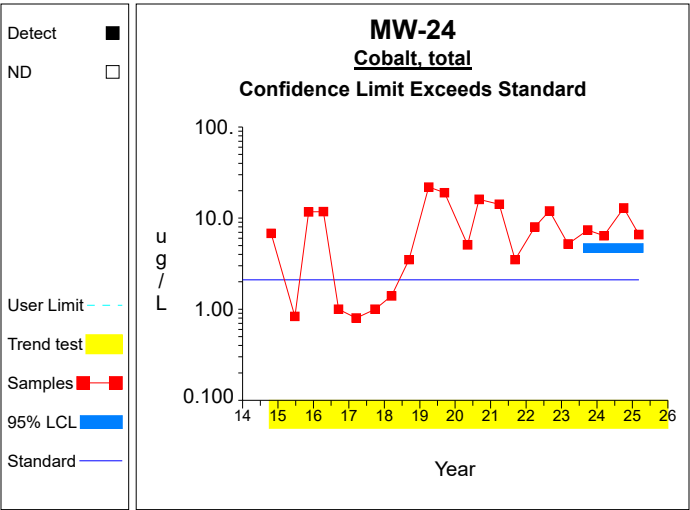
Confidence Limits (Assessment)



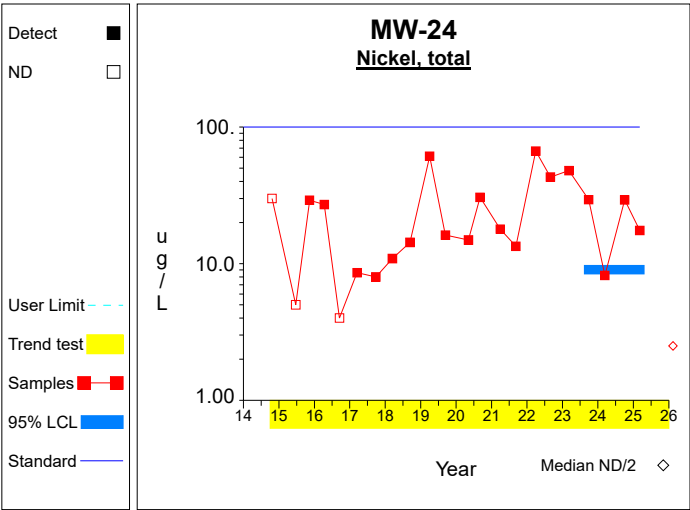
Graph 25



Graph 26



Graph 27



Graph 28

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-24	17	5	31			2.0000	2.0000			2.0000	nonpar	.99	**
Arsenic, total	ug/L	MW-24	17	5	31	23.2471	22.4453	33.3000	22.0000	23.2471	23.2471	169.1415	normal		
Barium, total	ug/L	MW-24	17	5	31	340.0529	181.2577	602.0000	559.0000	466.0567	549.0605	1518.2280	normal		
Beryllium, total	ug/L	MW-24	17	5	31			4.0000	4.0000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	MW-24	17	5	31			0.8000	0.8000			0.8000	nonpar	.99	**
Chromium, total	ug/L	MW-24	17	5	31			8.0000	8.0000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	MW-24	17	5	31	8.1549	6.8788	12.9000	6.6000	8.1549	8.1549	52.8671	normal		
Copper, total	ug/L	MW-24	17	5	31			4.0000	4.0000			10.7000	nonpar	.99	**
Lead, total	ug/L	MW-24	16	5	31	4.7394	1.7106	4.0000	4.0000	4.7394	4.7394	15.8581	normal		
Nickel, total	ug/L	MW-24	17	5	31	22.1647	18.9039	29.3000	17.5000	22.1647	22.1647	145.0398	normal		
Selenium, total	ug/L	MW-24	17	5	31			4.0000	4.0000			4.0000	nonpar	.99	**
Silver, total	ug/L	MW-24	13	5	31			4.0000	4.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	MW-24	17	5	31			2.0000	2.0000			2.0000	nonpar	.99	**
Vanadium, total	ug/L	MW-24	16	5	31			20.0000	20.0000			23.4000	nonpar	.99	**
Zinc, total	ug/L	MW-24	17	5	31	29.0176	23.4229	20.0000	20.0000	29.0176	29.0176	181.2667	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.

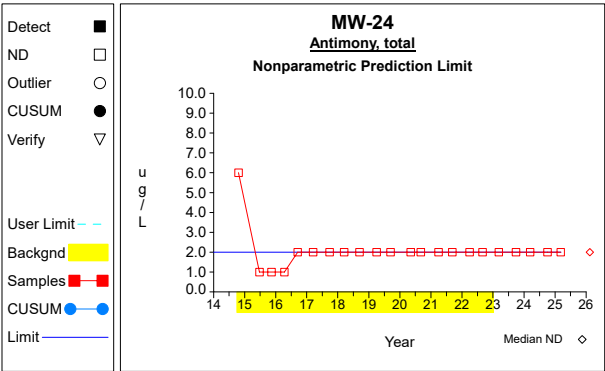
Conf = confidence level for passing initial test or one verification resample (nonparametric test only).

* - Insufficient Data.

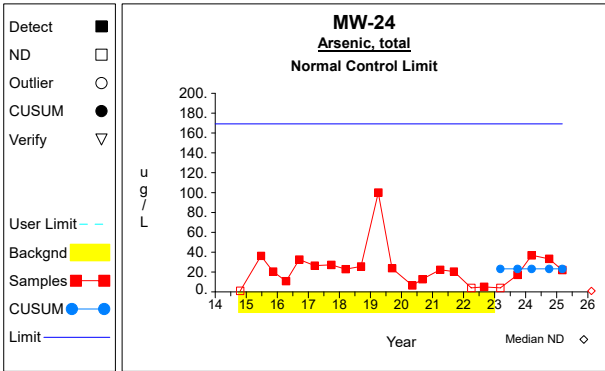
** - Detection Frequency < 25%.

*** - Zero Variance.

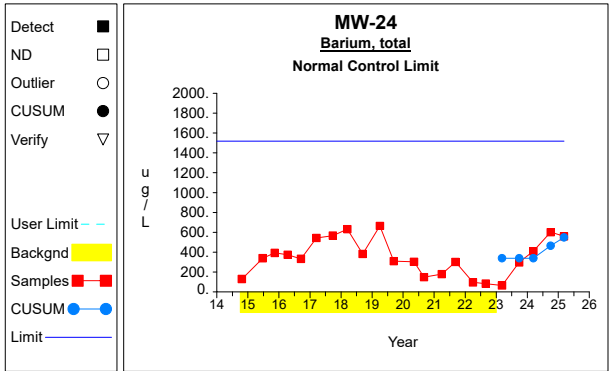
Intra-Well Control Charts / Prediction Limits



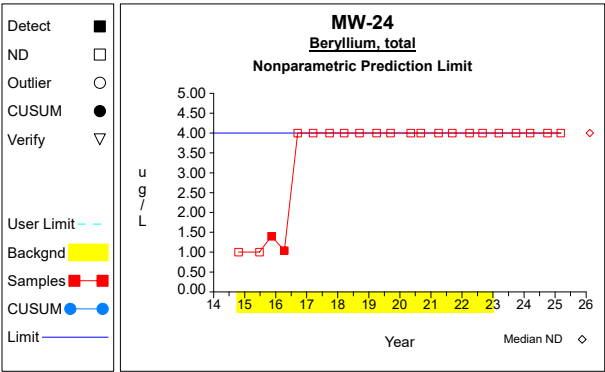
Graph 1



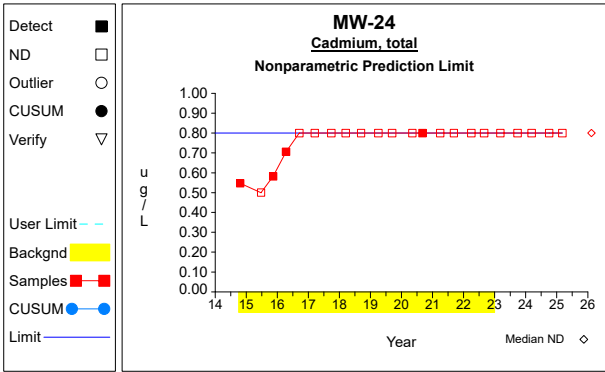
Graph 2



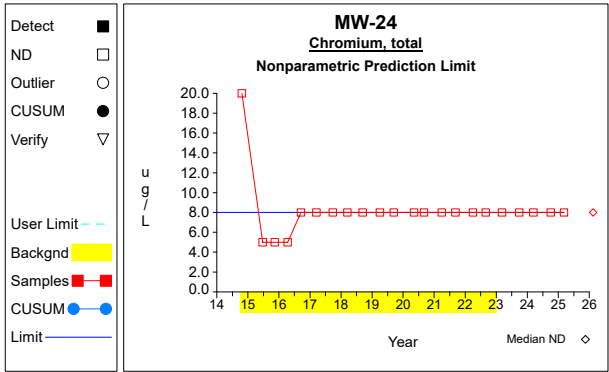
Graph 3



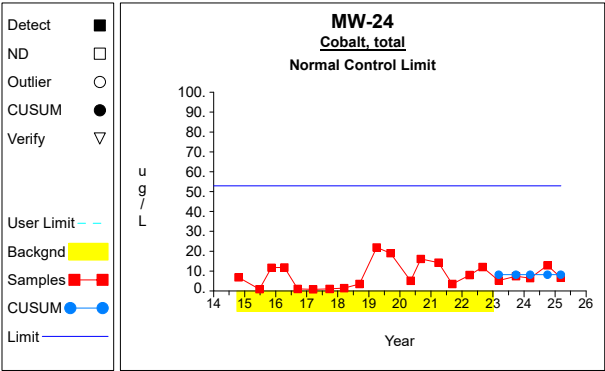
Graph 4



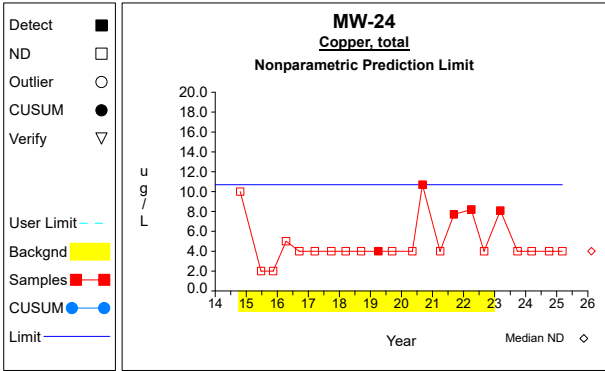
Graph 5



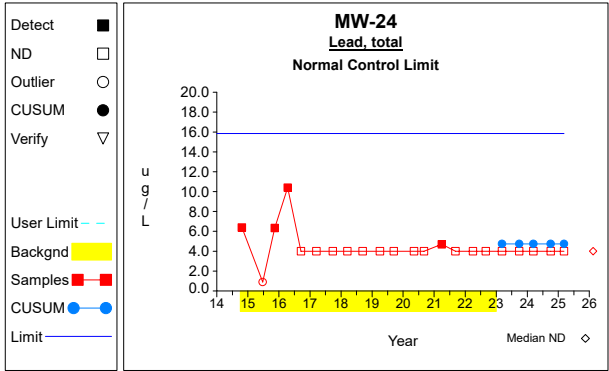
Graph 6



Graph 7

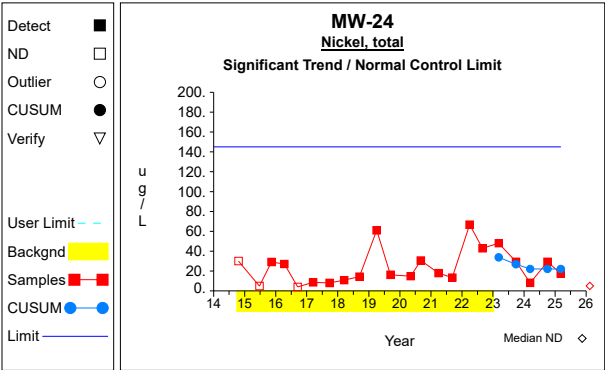


Graph 8

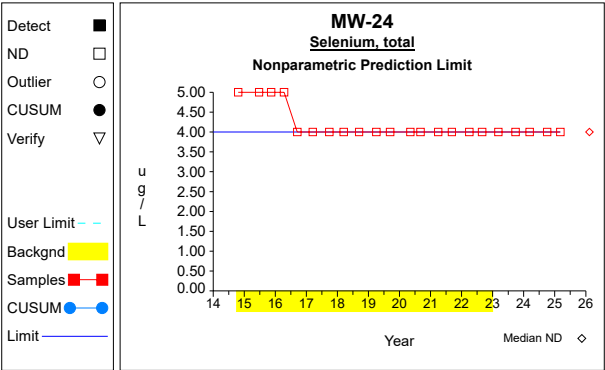


Graph 9

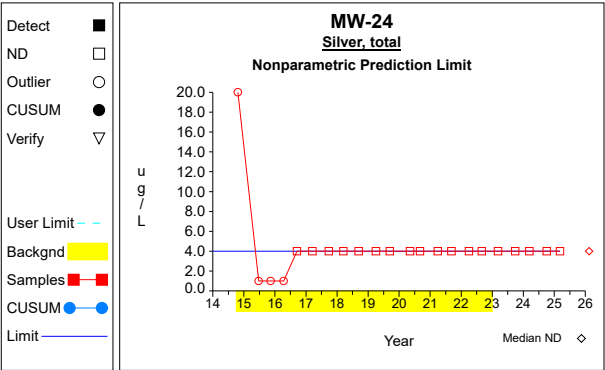
Intra-Well Control Charts / Prediction Limits



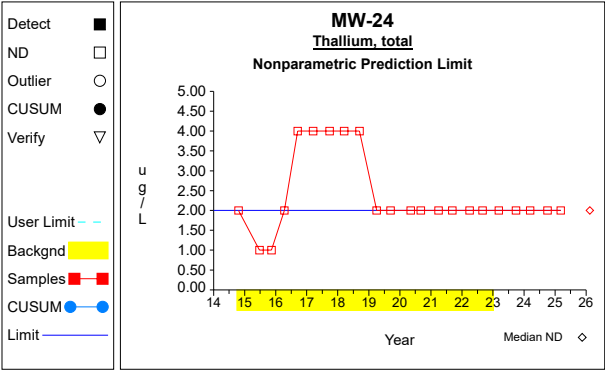
Graph 10



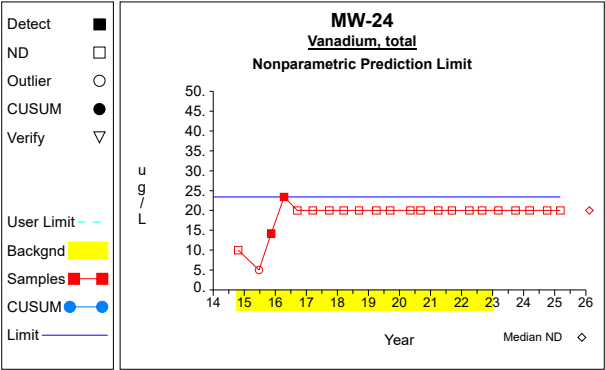
Graph 11



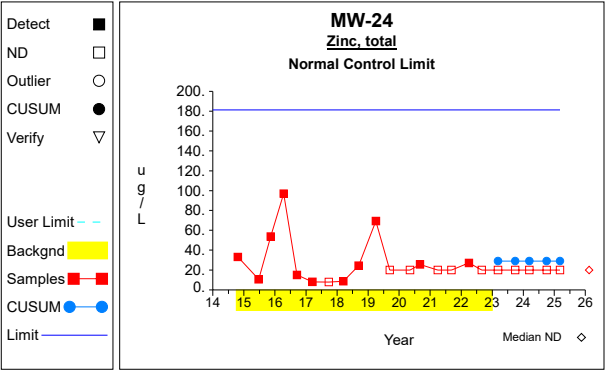
Graph 12



Graph 13



Graph 14



Graph 15

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

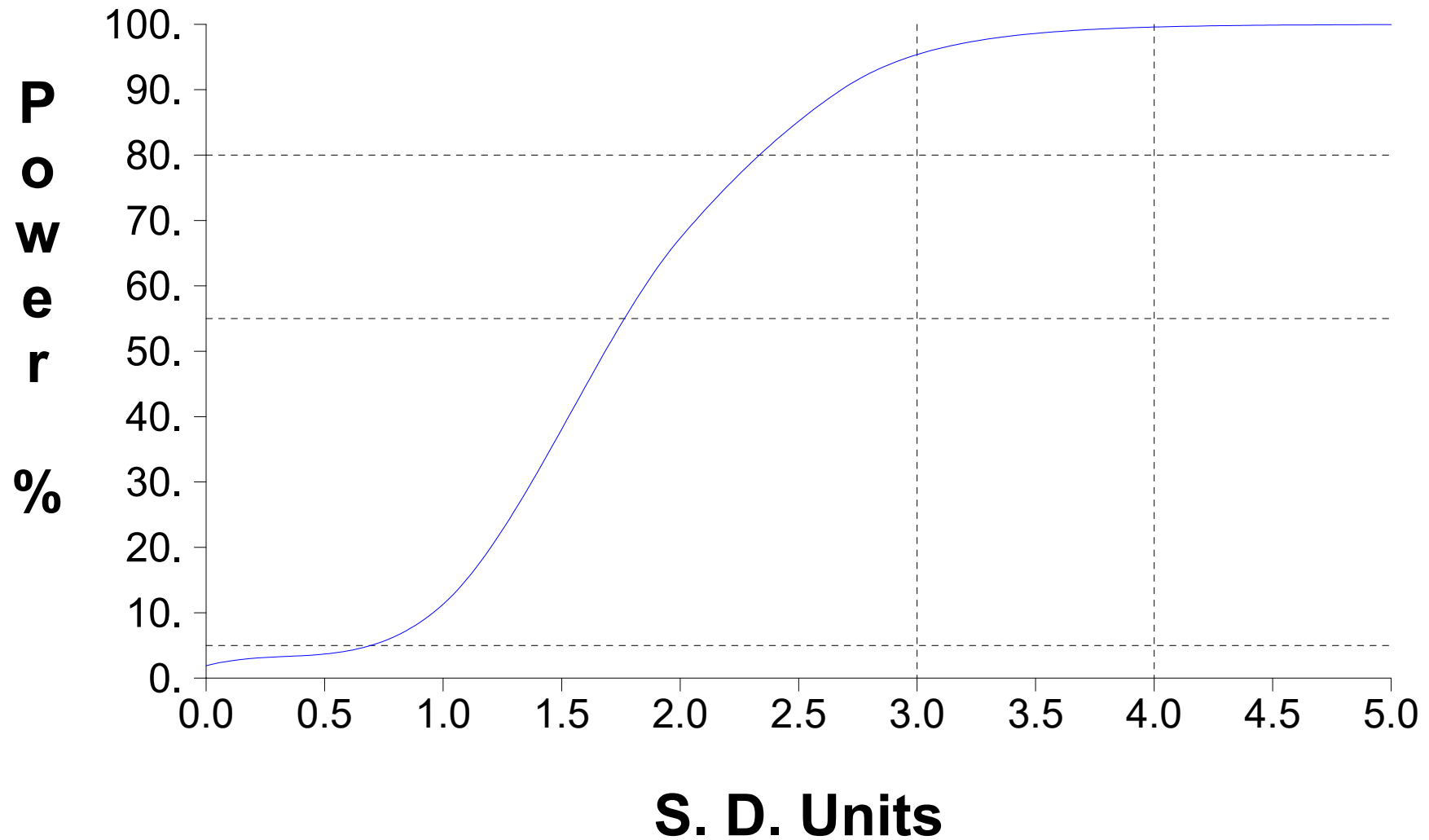


Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Antimony, total	ug/L	MW-24	10/21/2014	yes	6.0000	ND			2.0000	***
Antimony, total	ug/L	MW-24	06/23/2015	yes	1.0000	ND			2.0000	***
Antimony, total	ug/L	MW-24	11/12/2015	yes	1.0000	ND			2.0000	***
Antimony, total	ug/L	MW-24	04/12/2016	yes	1.0000	ND			2.0000	***
Antimony, total	ug/L	MW-24	09/16/2016	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	03/15/2017	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	09/27/2017	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	03/14/2018	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	09/12/2018	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	04/01/2019	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	09/12/2019	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	05/06/2020	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	09/03/2020	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	03/30/2021	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	09/08/2021	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	03/31/2022	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	08/30/2022	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	03/07/2023		2.0000	ND				
Antimony, total	ug/L	MW-24	09/28/2023		2.0000	ND				
Antimony, total	ug/L	MW-24	03/11/2024		2.0000	ND				
Antimony, total	ug/L	MW-24	10/02/2024		2.0000	ND				
Antimony, total	ug/L	MW-24	03/06/2025		2.0000	ND				
Arsenic, total	ug/L	MW-24	10/21/2014	yes	1.0000	ND				
Arsenic, total	ug/L	MW-24	06/23/2015	yes	36.3000					
Arsenic, total	ug/L	MW-24	11/12/2015	yes	20.4000					
Arsenic, total	ug/L	MW-24	04/12/2016	yes	10.8000					
Arsenic, total	ug/L	MW-24	09/16/2016	yes	32.6000					
Arsenic, total	ug/L	MW-24	03/15/2017	yes	26.4000					
Arsenic, total	ug/L	MW-24	09/27/2017	yes	27.2000					
Arsenic, total	ug/L	MW-24	03/14/2018	yes	22.9000					
Arsenic, total	ug/L	MW-24	09/12/2018	yes	25.6000					
Arsenic, total	ug/L	MW-24	04/01/2019	yes	100.0000					
Arsenic, total	ug/L	MW-24	09/12/2019	yes	23.8000					
Arsenic, total	ug/L	MW-24	05/06/2020	yes	6.5000					
Arsenic, total	ug/L	MW-24	09/03/2020	yes	12.8000					
Arsenic, total	ug/L	MW-24	03/30/2021	yes	22.3000					
Arsenic, total	ug/L	MW-24	09/08/2021	yes	20.5000					
Arsenic, total	ug/L	MW-24	03/31/2022	yes	4.0000	ND			1.0000	***
Arsenic, total	ug/L	MW-24	08/30/2022	yes	5.1000					
Arsenic, total	ug/L	MW-24	03/07/2023		4.0000	ND		23.2471		
Arsenic, total	ug/L	MW-24	09/28/2023		17.1000			23.2471		
Arsenic, total	ug/L	MW-24	03/11/2024		36.9000			23.2471		
Arsenic, total	ug/L	MW-24	10/02/2024		33.3000			23.2471		
Arsenic, total	ug/L	MW-24	03/06/2025		22.0000			23.2471		
Barium, total	ug/L	MW-24	10/21/2014	yes	130.0000					
Barium, total	ug/L	MW-24	06/23/2015	yes	339.0000					
Barium, total	ug/L	MW-24	11/12/2015	yes	393.0000					
Barium, total	ug/L	MW-24	04/12/2016	yes	374.0000					
Barium, total	ug/L	MW-24	09/16/2016	yes	333.0000					
Barium, total	ug/L	MW-24	03/15/2017	yes	544.0000					

* - Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Barium, total	ug/L	MW-24	09/27/2017	yes	567.0000					
Barium, total	ug/L	MW-24	03/14/2018	yes	632.0000					
Barium, total	ug/L	MW-24	09/12/2018	yes	382.0000					
Barium, total	ug/L	MW-24	04/01/2019	yes	665.0000					
Barium, total	ug/L	MW-24	09/12/2019	yes	310.0000					
Barium, total	ug/L	MW-24	05/06/2020	yes	303.0000					
Barium, total	ug/L	MW-24	09/03/2020	yes	149.0000					
Barium, total	ug/L	MW-24	03/30/2021	yes	179.0000					
Barium, total	ug/L	MW-24	09/08/2021	yes	302.0000					
Barium, total	ug/L	MW-24	03/31/2022	yes	96.2000					
Barium, total	ug/L	MW-24	08/30/2022	yes	82.7000					
Barium, total	ug/L	MW-24	03/07/2023		65.1000			340.0529		
Barium, total	ug/L	MW-24	09/28/2023		298.0000			340.0529		
Barium, total	ug/L	MW-24	03/11/2024		409.0000			340.0529		
Barium, total	ug/L	MW-24	10/02/2024		602.0000			466.0567		
Barium, total	ug/L	MW-24	03/06/2025		559.0000			549.0605		
Beryllium, total	ug/L	MW-24	10/21/2014	yes	1.0000	ND			4.0000	***
Beryllium, total	ug/L	MW-24	06/23/2015	yes	1.0000	ND			4.0000	***
Beryllium, total	ug/L	MW-24	11/12/2015	yes	1.4000					
Beryllium, total	ug/L	MW-24	04/12/2016	yes	1.0400					
Beryllium, total	ug/L	MW-24	09/16/2016	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	03/15/2017	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	09/27/2017	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	03/14/2018	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	09/12/2018	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	04/01/2019	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	09/12/2019	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	05/06/2020	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	09/03/2020	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	03/30/2021	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	09/08/2021	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	03/31/2022	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	08/30/2022	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	03/07/2023		4.0000	ND				
Beryllium, total	ug/L	MW-24	09/28/2023		4.0000	ND				
Beryllium, total	ug/L	MW-24	03/11/2024		4.0000	ND				
Beryllium, total	ug/L	MW-24	10/02/2024		4.0000	ND				
Beryllium, total	ug/L	MW-24	03/06/2025		4.0000	ND				
Cadmium, total	ug/L	MW-24	10/21/2014	yes	0.5470					
Cadmium, total	ug/L	MW-24	06/23/2015	yes	0.5000	ND			0.8000	***
Cadmium, total	ug/L	MW-24	11/12/2015	yes	0.5820					
Cadmium, total	ug/L	MW-24	04/12/2016	yes	0.7060					
Cadmium, total	ug/L	MW-24	09/16/2016	yes	0.8000	ND				
Cadmium, total	ug/L	MW-24	03/15/2017	yes	0.8000	ND				
Cadmium, total	ug/L	MW-24	09/27/2017	yes	0.8000	ND				
Cadmium, total	ug/L	MW-24	03/14/2018	yes	0.8000	ND				
Cadmium, total	ug/L	MW-24	09/12/2018	yes	0.8000	ND				
Cadmium, total	ug/L	MW-24	04/01/2019	yes	0.8000	ND				
Cadmium, total	ug/L	MW-24	09/12/2019	yes	0.8000	ND				
Cadmium, total	ug/L	MW-24	05/06/2020	yes	0.8000	ND				

* - Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cadmium, total	ug/L	MW-24	09/03/2020	yes	0.8000					
Cadmium, total	ug/L	MW-24	03/30/2021	yes	0.8000	ND				
Cadmium, total	ug/L	MW-24	09/08/2021	yes	0.8000	ND				
Cadmium, total	ug/L	MW-24	03/31/2022	yes	0.8000	ND				
Cadmium, total	ug/L	MW-24	08/30/2022	yes	0.8000	ND				
Cadmium, total	ug/L	MW-24	03/07/2023		0.8000	ND				
Cadmium, total	ug/L	MW-24	09/28/2023		0.8000	ND				
Cadmium, total	ug/L	MW-24	03/11/2024		0.8000	ND				
Cadmium, total	ug/L	MW-24	10/02/2024		0.8000	ND				
Cadmium, total	ug/L	MW-24	03/06/2025		0.8000	ND				
Chromium, total	ug/L	MW-24	10/21/2014	yes	20.0000	ND			8.0000	***
Chromium, total	ug/L	MW-24	06/23/2015	yes	5.0000	ND			8.0000	***
Chromium, total	ug/L	MW-24	11/12/2015	yes	5.0000	ND			8.0000	***
Chromium, total	ug/L	MW-24	04/12/2016	yes	5.0000	ND			8.0000	***
Chromium, total	ug/L	MW-24	09/16/2016	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	03/15/2017	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	09/27/2017	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	03/14/2018	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	09/12/2018	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	04/01/2019	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	09/12/2019	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	05/06/2020	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	09/03/2020	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	03/30/2021	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	09/08/2021	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	03/31/2022	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	08/30/2022	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	03/07/2023		8.0000	ND				
Chromium, total	ug/L	MW-24	09/28/2023		8.0000	ND				
Chromium, total	ug/L	MW-24	03/11/2024		8.0000	ND				
Chromium, total	ug/L	MW-24	10/02/2024		8.0000	ND				
Chromium, total	ug/L	MW-24	03/06/2025		8.0000	ND				
Cobalt, total	ug/L	MW-24	10/21/2014	yes	6.8000					
Cobalt, total	ug/L	MW-24	06/23/2015	yes	0.8340					
Cobalt, total	ug/L	MW-24	11/12/2015	yes	11.7000					
Cobalt, total	ug/L	MW-24	04/12/2016	yes	11.8000					
Cobalt, total	ug/L	MW-24	09/16/2016	yes	1.0000					
Cobalt, total	ug/L	MW-24	03/15/2017	yes	0.8000					
Cobalt, total	ug/L	MW-24	09/27/2017	yes	1.0000					
Cobalt, total	ug/L	MW-24	03/14/2018	yes	1.4000					
Cobalt, total	ug/L	MW-24	09/12/2018	yes	3.5000					
Cobalt, total	ug/L	MW-24	04/01/2019	yes	21.9000					
Cobalt, total	ug/L	MW-24	09/12/2019	yes	19.0000					
Cobalt, total	ug/L	MW-24	05/06/2020	yes	5.1000					
Cobalt, total	ug/L	MW-24	09/03/2020	yes	16.1000					
Cobalt, total	ug/L	MW-24	03/30/2021	yes	14.2000					
Cobalt, total	ug/L	MW-24	09/08/2021	yes	3.5000					
Cobalt, total	ug/L	MW-24	03/31/2022	yes	8.0000					
Cobalt, total	ug/L	MW-24	08/30/2022	yes	12.0000					
Cobalt, total	ug/L	MW-24	03/07/2023		5.2000			8.1549		

* - Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cobalt, total	ug/L	MW-24	09/28/2023		7.4000			8.1549		
Cobalt, total	ug/L	MW-24	03/11/2024		6.4000			8.1549		
Cobalt, total	ug/L	MW-24	10/02/2024		12.9000			8.1549		
Cobalt, total	ug/L	MW-24	03/06/2025		6.6000			8.1549		
Copper, total	ug/L	MW-24	10/21/2014	yes	10.0000	ND			4.0000	***
Copper, total	ug/L	MW-24	06/23/2015	yes	2.0000	ND			4.0000	***
Copper, total	ug/L	MW-24	11/12/2015	yes	2.0000	ND			4.0000	***
Copper, total	ug/L	MW-24	04/12/2016	yes	5.0000	ND			4.0000	***
Copper, total	ug/L	MW-24	09/16/2016	yes	4.0000	ND				
Copper, total	ug/L	MW-24	03/15/2017	yes	4.0000	ND				
Copper, total	ug/L	MW-24	09/27/2017	yes	4.0000	ND				
Copper, total	ug/L	MW-24	03/14/2018	yes	4.0000	ND				
Copper, total	ug/L	MW-24	09/12/2018	yes	4.0000	ND				
Copper, total	ug/L	MW-24	04/01/2019	yes	4.0000					
Copper, total	ug/L	MW-24	09/12/2019	yes	4.0000	ND				
Copper, total	ug/L	MW-24	05/06/2020	yes	4.0000	ND				
Copper, total	ug/L	MW-24	09/03/2020	yes	10.7000					
Copper, total	ug/L	MW-24	03/30/2021	yes	4.0000	ND				
Copper, total	ug/L	MW-24	09/08/2021	yes	7.7000					
Copper, total	ug/L	MW-24	03/31/2022	yes	8.2000					
Copper, total	ug/L	MW-24	08/30/2022	yes	4.0000	ND				
Copper, total	ug/L	MW-24	03/07/2023		8.1000					
Copper, total	ug/L	MW-24	09/28/2023		4.0000	ND				
Copper, total	ug/L	MW-24	03/11/2024		4.0000	ND				
Copper, total	ug/L	MW-24	10/02/2024		4.0000	ND				
Copper, total	ug/L	MW-24	03/06/2025		4.0000	ND				
Lead, total	ug/L	MW-24	10/21/2014	yes	6.3900		yes			*
Lead, total	ug/L	MW-24	06/23/2015	yes	0.9010					
Lead, total	ug/L	MW-24	11/12/2015	yes	6.3400					
Lead, total	ug/L	MW-24	04/12/2016	yes	10.4000					
Lead, total	ug/L	MW-24	09/16/2016	yes	4.0000	ND				
Lead, total	ug/L	MW-24	03/15/2017	yes	4.0000	ND				
Lead, total	ug/L	MW-24	09/27/2017	yes	4.0000	ND				
Lead, total	ug/L	MW-24	03/14/2018	yes	4.0000	ND				
Lead, total	ug/L	MW-24	09/12/2018	yes	4.0000	ND				
Lead, total	ug/L	MW-24	04/01/2019	yes	4.0000	ND				
Lead, total	ug/L	MW-24	09/12/2019	yes	4.0000	ND				
Lead, total	ug/L	MW-24	05/06/2020	yes	4.0000	ND				
Lead, total	ug/L	MW-24	09/03/2020	yes	4.0000	ND				
Lead, total	ug/L	MW-24	03/30/2021	yes	4.7000					
Lead, total	ug/L	MW-24	09/08/2021	yes	4.0000	ND				
Lead, total	ug/L	MW-24	03/31/2022	yes	4.0000	ND				
Lead, total	ug/L	MW-24	08/30/2022	yes	4.0000	ND				
Lead, total	ug/L	MW-24	03/07/2023		4.0000	ND		4.7394		
Lead, total	ug/L	MW-24	09/28/2023		4.0000	ND		4.7394		
Lead, total	ug/L	MW-24	03/11/2024		4.0000	ND		4.7394		
Lead, total	ug/L	MW-24	10/02/2024		4.0000	ND		4.7394		
Lead, total	ug/L	MW-24	03/06/2025		4.0000	ND		4.7394		
Nickel, total	ug/L	MW-24	10/21/2014	yes	30.0000	ND			5.0000	***
Nickel, total	ug/L	MW-24	06/23/2015	yes	5.0000	ND				

* - Outlier for that well and constituent.

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*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Nickel, total	ug/L	MW-24	11/12/2015	yes	29.1000	ND			5.0000	***
Nickel, total	ug/L	MW-24	04/12/2016	yes	27.1000					
Nickel, total	ug/L	MW-24	09/16/2016	yes	4.0000					
Nickel, total	ug/L	MW-24	03/15/2017	yes	8.6000					
Nickel, total	ug/L	MW-24	09/27/2017	yes	8.0000					
Nickel, total	ug/L	MW-24	03/14/2018	yes	10.9000					
Nickel, total	ug/L	MW-24	09/12/2018	yes	14.3000					
Nickel, total	ug/L	MW-24	04/01/2019	yes	61.1000					
Nickel, total	ug/L	MW-24	09/12/2019	yes	16.2000					
Nickel, total	ug/L	MW-24	05/06/2020	yes	14.9000					
Nickel, total	ug/L	MW-24	09/03/2020	yes	30.6000					
Nickel, total	ug/L	MW-24	03/30/2021	yes	17.9000					
Nickel, total	ug/L	MW-24	09/08/2021	yes	13.4000					
Nickel, total	ug/L	MW-24	03/31/2022	yes	66.7000					
Nickel, total	ug/L	MW-24	08/30/2022	yes	43.0000					
Nickel, total	ug/L	MW-24	03/07/2023		48.0000			33.8221		
Nickel, total	ug/L	MW-24	09/28/2023		29.4000			26.8795		
Nickel, total	ug/L	MW-24	03/11/2024		8.2000			22.1647		
Nickel, total	ug/L	MW-24	10/02/2024		29.3000			22.1647		
Nickel, total	ug/L	MW-24	03/06/2025		17.5000			22.1647		
Selenium, total	ug/L	MW-24	10/21/2014	yes	5.0000	ND			4.0000	***
Selenium, total	ug/L	MW-24	06/23/2015	yes	5.0000	ND			4.0000	***
Selenium, total	ug/L	MW-24	11/12/2015	yes	5.0000	ND			4.0000	***
Selenium, total	ug/L	MW-24	04/12/2016	yes	5.0000	ND			4.0000	***
Selenium, total	ug/L	MW-24	09/16/2016	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	03/15/2017	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	09/27/2017	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	03/14/2018	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	09/12/2018	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	04/01/2019	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	09/12/2019	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	05/06/2020	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	09/03/2020	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	03/30/2021	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	09/08/2021	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	03/31/2022	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	08/30/2022	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	03/07/2023		4.0000	ND				
Selenium, total	ug/L	MW-24	09/28/2023		4.0000	ND				
Selenium, total	ug/L	MW-24	03/11/2024		4.0000	ND				
Selenium, total	ug/L	MW-24	10/02/2024		4.0000	ND				
Selenium, total	ug/L	MW-24	03/06/2025		4.0000	ND				
Silver, total	ug/L	MW-24	10/21/2014	yes	20.0000	ND	yes			*
Silver, total	ug/L	MW-24	06/23/2015	yes	1.0000	ND	yes			*
Silver, total	ug/L	MW-24	11/12/2015	yes	1.0000	ND	yes			*
Silver, total	ug/L	MW-24	04/12/2016	yes	1.0000	ND	yes			*
Silver, total	ug/L	MW-24	09/16/2016	yes	4.0000	ND				
Silver, total	ug/L	MW-24	03/15/2017	yes	4.0000	ND				
Silver, total	ug/L	MW-24	09/27/2017	yes	4.0000	ND				
Silver, total	ug/L	MW-24	03/14/2018	yes	4.0000	ND				
Silver, total	ug/L	MW-24								

* - Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Silver, total	ug/L	MW-24	09/12/2018	yes	4.0000	ND				
Silver, total	ug/L	MW-24	04/01/2019	yes	4.0000	ND				
Silver, total	ug/L	MW-24	09/12/2019	yes	4.0000	ND				
Silver, total	ug/L	MW-24	05/06/2020	yes	4.0000	ND				
Silver, total	ug/L	MW-24	09/03/2020	yes	4.0000	ND				
Silver, total	ug/L	MW-24	03/30/2021	yes	4.0000	ND				
Silver, total	ug/L	MW-24	09/08/2021	yes	4.0000	ND				
Silver, total	ug/L	MW-24	03/31/2022	yes	4.0000	ND				
Silver, total	ug/L	MW-24	08/30/2022	yes	4.0000	ND				
Silver, total	ug/L	MW-24	03/07/2023		4.0000	ND				
Silver, total	ug/L	MW-24	09/28/2023		4.0000	ND				
Silver, total	ug/L	MW-24	03/11/2024		4.0000	ND				
Silver, total	ug/L	MW-24	10/02/2024		4.0000	ND				
Silver, total	ug/L	MW-24	03/06/2025		4.0000	ND				
Thallium, total	ug/L	MW-24	10/21/2014	yes	2.0000	ND				
Thallium, total	ug/L	MW-24	06/23/2015	yes	1.0000	ND			2.0000	***
Thallium, total	ug/L	MW-24	11/12/2015	yes	1.0000	ND			2.0000	***
Thallium, total	ug/L	MW-24	04/12/2016	yes	2.0000	ND				
Thallium, total	ug/L	MW-24	09/16/2016	yes	4.0000	ND			2.0000	***
Thallium, total	ug/L	MW-24	03/15/2017	yes	4.0000	ND			2.0000	***
Thallium, total	ug/L	MW-24	09/27/2017	yes	4.0000	ND			2.0000	***
Thallium, total	ug/L	MW-24	03/14/2018	yes	4.0000	ND			2.0000	***
Thallium, total	ug/L	MW-24	09/12/2018	yes	4.0000	ND			2.0000	***
Thallium, total	ug/L	MW-24	04/01/2019	yes	2.0000	ND				
Thallium, total	ug/L	MW-24	09/12/2019	yes	2.0000	ND				
Thallium, total	ug/L	MW-24	05/06/2020	yes	2.0000	ND				
Thallium, total	ug/L	MW-24	09/03/2020	yes	2.0000	ND				
Thallium, total	ug/L	MW-24	03/30/2021	yes	2.0000	ND				
Thallium, total	ug/L	MW-24	09/08/2021	yes	2.0000	ND				
Thallium, total	ug/L	MW-24	03/31/2022	yes	2.0000	ND				
Thallium, total	ug/L	MW-24	08/30/2022	yes	2.0000	ND				
Thallium, total	ug/L	MW-24	03/07/2023		2.0000	ND				
Thallium, total	ug/L	MW-24	09/28/2023		2.0000	ND				
Thallium, total	ug/L	MW-24	03/11/2024		2.0000	ND				
Thallium, total	ug/L	MW-24	10/02/2024		2.0000	ND				
Thallium, total	ug/L	MW-24	03/06/2025		2.0000	ND				
Vanadium, total	ug/L	MW-24	10/21/2014	yes	10.0000	ND			20.0000	***
Vanadium, total	ug/L	MW-24	06/23/2015	yes	5.0000	ND	yes			*
Vanadium, total	ug/L	MW-24	11/12/2015	yes	14.2000					
Vanadium, total	ug/L	MW-24	04/12/2016	yes	23.4000					
Vanadium, total	ug/L	MW-24	09/16/2016	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	03/15/2017	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	09/27/2017	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	03/14/2018	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	09/12/2018	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	04/01/2019	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	09/12/2019	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	05/06/2020	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	09/03/2020	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	03/30/2021	yes	20.0000	ND				

* - Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Vanadium, total	ug/L	MW-24	09/08/2021	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	03/31/2022	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	08/30/2022	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	03/07/2023		20.0000	ND				
Vanadium, total	ug/L	MW-24	09/28/2023		20.0000	ND				
Vanadium, total	ug/L	MW-24	03/11/2024		20.0000	ND				
Vanadium, total	ug/L	MW-24	10/02/2024		20.0000	ND				
Vanadium, total	ug/L	MW-24	03/06/2025		20.0000	ND				
Zinc, total	ug/L	MW-24	10/21/2014	yes	33.2000					
Zinc, total	ug/L	MW-24	06/23/2015	yes	10.7000					
Zinc, total	ug/L	MW-24	11/12/2015	yes	53.8000					
Zinc, total	ug/L	MW-24	04/12/2016	yes	97.0000					
Zinc, total	ug/L	MW-24	09/16/2016	yes	15.1000					
Zinc, total	ug/L	MW-24	03/15/2017	yes	8.1000					
Zinc, total	ug/L	MW-24	09/27/2017	yes	8.0000	ND			20.0000	***
Zinc, total	ug/L	MW-24	03/14/2018	yes	8.7000					
Zinc, total	ug/L	MW-24	09/12/2018	yes	24.5000					
Zinc, total	ug/L	MW-24	04/01/2019	yes	69.3000					
Zinc, total	ug/L	MW-24	09/12/2019	yes	20.0000	ND				
Zinc, total	ug/L	MW-24	05/06/2020	yes	20.0000	ND				
Zinc, total	ug/L	MW-24	09/03/2020	yes	25.7000					
Zinc, total	ug/L	MW-24	03/30/2021	yes	20.0000	ND				
Zinc, total	ug/L	MW-24	09/08/2021	yes	20.0000	ND				
Zinc, total	ug/L	MW-24	03/31/2022	yes	27.2000					
Zinc, total	ug/L	MW-24	08/30/2022	yes	20.0000	ND				
Zinc, total	ug/L	MW-24	03/07/2023		20.0000	ND		29.0176		
Zinc, total	ug/L	MW-24	09/28/2023		20.0000	ND		29.0176		
Zinc, total	ug/L	MW-24	03/11/2024		20.0000	ND		29.0176		
Zinc, total	ug/L	MW-24	10/02/2024		20.0000	ND		29.0176		
Zinc, total	ug/L	MW-24	03/06/2025		20.0000	ND		29.0176		

* - Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 4

**Dixon's Test Outliers
5% Significance Level**

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Lead, total	ug/L	MW-24	06/23/2015	0.9010		10/21/2014-08/30/2022	17	0.4891
Silver, total	ug/L	MW-24	10/21/2014	20.0000	< 20.0000	10/21/2014-08/30/2022	17	0.4891
Silver, total	ug/L	MW-24	06/23/2015	1.0000	< 1.0000	10/21/2014-08/30/2022	17	0.5054
Silver, total	ug/L	MW-24	11/12/2015	1.0000	< 1.0000	10/21/2014-08/30/2022	17	0.5054
Silver, total	ug/L	MW-24	04/12/2016	1.0000	< 1.0000	10/21/2014-08/30/2022	17	0.5054
Vanadium, total	ug/L	MW-24	06/23/2015	5.0000	< 5.0000	10/21/2014-08/30/2022	17	0.4891

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

Historical VOC Detections

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
2-butanone	AW-2	9/08/2021		8.5	5.0	ug/L
Acetone	AW-2	9/27/2017		14.4	10.0	ug/L
Acetone	AW-2	9/08/2021		138.0	10.0	ug/L
Benzene	AW-2	10/20/2014		1.870	.500	ug/L
Benzene	AW-2	6/23/2015		1.950	.500	ug/L
Benzene	AW-2	11/12/2015		.961	.500	ug/L
Benzene	AW-2	4/11/2016		1.020	.500	ug/L
Benzene	AW-2	9/12/2018		1.000	1.000	ug/L
Benzene	AW-2	9/08/2021		1.400	1.000	ug/L
Chloroethane	AW-2	9/08/2021		1	1	ug/L
1,1-dichloroethane	AW-3	4/11/2016		1.02	1.00	ug/L
1,1-dichloroethane	AW-3	9/16/2016		1.20	1.00	ug/L
1,1-dichloroethane	AW-3	3/15/2017		2.50	1.00	ug/L
1,1-dichloroethane	AW-3	9/27/2017		1.60	1.00	ug/L
1,4-dichlorobenzene	AW-3	10/20/2014		2.8	1.0	ug/L
1,4-dichlorobenzene	AW-3	9/16/2016		1.9	1.0	ug/L
1,4-dichlorobenzene	AW-3	9/27/2017		1.1	1.0	ug/L
1,4-dichlorobenzene	AW-3	3/14/2018		3.5	1.0	ug/L
1,4-dichlorobenzene	AW-3	9/12/2018		4.0	1.0	ug/L
1,4-dichlorobenzene	AW-3	4/01/2019		2.6	1.0	ug/L
1,4-dichlorobenzene	AW-3	5/06/2020		2.2	1.0	ug/L
1,4-dichlorobenzene	AW-3	9/03/2020		2.0	1.0	ug/L
1,4-dichlorobenzene	AW-3	3/30/2021		2.8	1.0	ug/L
1,4-dichlorobenzene	AW-3	9/08/2021		3.8	1.0	ug/L
1,4-dichlorobenzene	AW-3	3/31/2022		2.3	1.0	ug/L
1,4-dichlorobenzene	AW-3	8/30/2022		2.2	1.0	ug/L
1,4-dichlorobenzene	AW-3	3/07/2023		2.7	1.0	ug/L
1,4-dichlorobenzene	AW-3	9/28/2023		3.4	1.0	ug/L
1,4-dichlorobenzene	AW-3	3/11/2024		3.2	1.0	ug/L
1,4-dichlorobenzene	AW-3	10/02/2024		2.8	1.0	ug/L
1,4-dichlorobenzene	AW-3	3/06/2025		3.0	1.0	ug/L
2-butanone	AW-3	9/12/2018		6	5	ug/L
2-butanone	AW-3	3/06/2025		144	10	ug/L
Acetone	AW-3	9/12/2019		11.4	10.0	ug/L
Acetone	AW-3	3/31/2022		24.4	10.0	ug/L
Acetone	AW-3	3/06/2025		18000.0	2000.0	ug/L
Benzene	AW-3	10/20/2014		4.19	.50	ug/L
Benzene	AW-3	6/23/2015		4.98	.50	ug/L
Benzene	AW-3	11/13/2015		1.53	.50	ug/L
Benzene	AW-3	4/11/2016		1.62	.50	ug/L
Benzene	AW-3	9/16/2016		1.00	1.00	ug/L
Benzene	AW-3	3/14/2018		5.60	1.00	ug/L
Benzene	AW-3	9/12/2018		4.10	1.00	ug/L
Benzene	AW-3	9/12/2019		1.10	1.00	ug/L
Benzene	AW-3	5/06/2020		1.20	1.00	ug/L
Benzene	AW-3	3/30/2021		5.20	1.00	ug/L
Benzene	AW-3	9/08/2021		4.10	1.00	ug/L
Benzene	AW-3	3/31/2022		1.40	1.00	ug/L
Benzene	AW-3	8/30/2022		2.30	1.00	ug/L
Benzene	AW-3	3/07/2023		2.60	1.00	ug/L
Benzene	AW-3	9/28/2023		2.60	1.00	ug/L
Benzene	AW-3	3/11/2024		2.70	1.00	ug/L
Bis(2-ethylhexyl) phthalate	AW-3	3/15/2017		16	8	ug/L
Chlorobenzene	AW-3	3/15/2017		1.1	1.0	ug/L
Chloroethane	AW-3	10/20/2014		7.13	1.00	ug/L
Chloroethane	AW-3	6/23/2015		8.62	1.00	ug/L
Chloroethane	AW-3	4/11/2016		4.73	1.00	ug/L
Chloroethane	AW-3	9/16/2016		4.60	1.00	ug/L
Chloroethane	AW-3	3/15/2017		6.80	1.00	ug/L
Chloroethane	AW-3	9/27/2017		4.60	1.00	ug/L
Chloroethane	AW-3	3/14/2018		5.50	1.00	ug/L
Chloroethane	AW-3	9/12/2018		3.00	1.00	ug/L
Chloroethane	AW-3	4/01/2019		1.20	1.00	ug/L
Chloroethane	AW-3	5/06/2020		2.50	1.00	ug/L
Chloroethane	AW-3	9/03/2020		3.90	1.00	ug/L
Chloroethane	AW-3	3/30/2021		4.50	1.00	ug/L
Chloroethane	AW-3	9/08/2021		4.20	1.00	ug/L
Chloroethane	AW-3	3/31/2022		3.00	1.00	ug/L
Chloroethane	AW-3	8/30/2022		4.20	1.00	ug/L
Chloroethane	AW-3	3/07/2023		3.50	1.00	ug/L
Chloroethane	AW-3	9/28/2023		3.80	1.00	ug/L
Chloroethane	AW-3	3/11/2024		3.00	1.00	ug/L
Chloroethane	AW-3	10/02/2024		3.00	1.00	ug/L
Chloroethane	AW-3	3/06/2025		1.40	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	10/20/2014		2.89	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	6/23/2015		3.92	1.00	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-dichloroethene	AW-3	11/13/2015		2.23	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	4/11/2016		1.92	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	9/16/2016		1.60	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	3/15/2017		3.00	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	9/27/2017		2.10	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	5/06/2020		1.20	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	9/03/2020		2.70	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	3/30/2021		4.00	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	8/30/2022		1.10	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	3/07/2023		2.90	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	9/28/2023		1.20	1.00	ug/L
Ethylbenzene	AW-3	6/23/2015		2.1	1.0	ug/L
Toluene	AW-3	9/12/2018		1	1	ug/L
Vinyl chloride	AW-3	3/30/2021		2.1	1.0	ug/L
1,1-dichloroethane	MW-14	10/21/2014		2.46	1.00	ug/L
1,1-dichloroethane	MW-14	6/22/2015		1.52	1.00	ug/L
1,1-dichloroethane	MW-14	3/15/2017		1.30	1.00	ug/L
1,1-dichloroethane	MW-14	9/27/2017		1.10	1.00	ug/L
1,1-dichloroethane	MW-14	4/01/2019		1.00	1.00	ug/L
Acetone	MW-14	9/27/2017		12.9	10.0	ug/L
Acetone	MW-19	9/27/2017		20.8	10.0	ug/L
1,4-dichlorobenzene	MW-20	9/16/2016		3.4	1.0	ug/L
1,4-dichlorobenzene	MW-20	3/15/2017		1.2	1.0	ug/L
1,4-dichlorobenzene	MW-20	9/27/2017		1.4	1.0	ug/L
1,4-dichlorobenzene	MW-20	3/14/2018		1.7	1.0	ug/L
1,4-dichlorobenzene	MW-20	9/12/2018		3.0	1.0	ug/L
1,4-dichlorobenzene	MW-20	4/01/2019		2.9	1.0	ug/L
1,4-dichlorobenzene	MW-20	5/06/2020		2.5	1.0	ug/L
1,4-dichlorobenzene	MW-20	9/03/2020		1.6	1.0	ug/L
1,4-dichlorobenzene	MW-20	3/30/2021		2.6	1.0	ug/L
1,4-dichlorobenzene	MW-20	9/08/2021		2.9	1.0	ug/L
1,4-dichlorobenzene	MW-20	3/31/2022		2.4	1.0	ug/L
1,4-dichlorobenzene	MW-20	8/30/2022		2.8	1.0	ug/L
1,4-dichlorobenzene	MW-20	3/07/2023		2.8	1.0	ug/L
1,4-dichlorobenzene	MW-20	9/28/2023		3.4	1.0	ug/L
1,4-dichlorobenzene	MW-20	3/11/2024		2.6	1.0	ug/L
1,4-dichlorobenzene	MW-20	10/02/2024		3.2	1.0	ug/L
1,4-dichlorobenzene	MW-20	3/06/2025		2.5	1.0	ug/L
Acetone	MW-20	6/23/2015		14.8	10.0	ug/L
Acetone	MW-20	4/11/2016		467.0	10.0	ug/L
Acetone	MW-20	9/16/2016		33.3	10.0	ug/L
Acetone	MW-20	3/06/2025		93.9	10.0	ug/L
Benzene	MW-20	10/21/2014		2.51	.50	ug/L
Benzene	MW-20	6/23/2015		3.59	.50	ug/L
Benzene	MW-20	11/12/2015		3.67	.50	ug/L
Benzene	MW-20	4/11/2016		2.67	.50	ug/L
Benzene	MW-20	9/16/2016		3.70	1.00	ug/L
Benzene	MW-20	3/15/2017		2.50	1.00	ug/L
Benzene	MW-20	9/27/2017		2.60	1.00	ug/L
Benzene	MW-20	3/14/2018		1.70	1.00	ug/L
Benzene	MW-20	9/12/2018		2.70	1.00	ug/L
Benzene	MW-20	4/01/2019		2.40	1.00	ug/L
Benzene	MW-20	9/12/2019		2.80	1.00	ug/L
Benzene	MW-20	5/06/2020		2.50	1.00	ug/L
Benzene	MW-20	9/03/2020		2.70	1.00	ug/L
Benzene	MW-20	3/30/2021		1.90	1.00	ug/L
Benzene	MW-20	9/08/2021		2.80	1.00	ug/L
Benzene	MW-20	3/31/2022		2.30	1.00	ug/L
Benzene	MW-20	8/30/2022		3.60	1.00	ug/L
Benzene	MW-20	3/07/2023		2.20	1.00	ug/L
Benzene	MW-20	9/28/2023		2.60	1.00	ug/L
Benzene	MW-20	3/11/2024		2.30	1.00	ug/L
Benzene	MW-20	10/02/2024		2.80	1.00	ug/L
Benzene	MW-20	3/06/2025		1.90	1.00	ug/L
Chlorobenzene	MW-20	10/21/2014		2.42	1.00	ug/L
Chlorobenzene	MW-20	6/23/2015		3.25	1.00	ug/L
Chlorobenzene	MW-20	9/16/2016		3.10	1.00	ug/L
Chlorobenzene	MW-20	3/15/2017		1.40	1.00	ug/L
Chlorobenzene	MW-20	9/27/2017		1.60	1.00	ug/L
Chlorobenzene	MW-20	9/12/2018		3.10	1.00	ug/L
Chlorobenzene	MW-20	4/01/2019		2.60	1.00	ug/L
Chlorobenzene	MW-20	9/12/2019		3.60	1.00	ug/L
Chlorobenzene	MW-20	5/06/2020		2.20	1.00	ug/L
Chlorobenzene	MW-20	9/03/2020		1.70	1.00	ug/L
Chlorobenzene	MW-20	3/30/2021		2.20	1.00	ug/L
Chlorobenzene	MW-20	9/08/2021		2.70	1.00	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chlorobenzene	MW-20	3/31/2022		2.60	1.00	ug/L
Chlorobenzene	MW-20	8/30/2022		3.10	1.00	ug/L
Chlorobenzene	MW-20	3/07/2023		2.50	1.00	ug/L
Chlorobenzene	MW-20	9/28/2023		3.40	1.00	ug/L
Chlorobenzene	MW-20	3/11/2024		2.80	1.00	ug/L
Chlorobenzene	MW-20	10/02/2024		3.60	1.00	ug/L
Chlorobenzene	MW-20	3/06/2025		2.70	1.00	ug/L
Chloroethane	MW-20	9/16/2016		1.4	1.0	ug/L
Chloroethane	MW-20	3/15/2017		1.1	1.0	ug/L
Toluene	MW-20	10/21/2014		3.15	1.00	ug/L
Toluene	MW-20	6/23/2015		3.09	1.00	ug/L
Toluene	MW-20	9/16/2016		1.40	1.00	ug/L
Toluene	MW-20	8/30/2022		2.10	1.00	ug/L
Toluene	MW-20	3/11/2024		1.10	1.00	ug/L
Acetone	MW-24	9/27/2017		13.6	10.0	ug/L
Acetone	MW-24	4/01/2019		25.0	10.0	ug/L
Benzene	MW-24	3/15/2017		1.3	1.0	ug/L
Benzene	MW-24	4/01/2019		2.1	1.0	ug/L
Chloroethane	MW-24	4/01/2019		1.6	1.0	ug/L
Ethylbenzene	MW-24	9/16/2016		1.2	1.0	ug/L
Ethylbenzene	MW-24	3/15/2017		1.9	1.0	ug/L
Ethylbenzene	MW-24	4/01/2019		4.8	1.0	ug/L
Toluene	MW-24	9/16/2016		5.5	1.0	ug/L
Xylenes, total	MW-24	9/16/2016		2.2	2.0	ug/L
Xylenes, total	MW-24	3/15/2017		2.3	2.0	ug/L
Xylenes, total	MW-24	4/01/2019		6.2	2.0	ug/L
Acetone	MW-25	9/27/2017		13.1	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-25	3/15/2017		17	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-25	9/27/2017		8	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-25	3/14/2018		7	6	ug/L
Acetone	MW-9	9/27/2017		17.4	10.0	ug/L
Toluene	MW-9	8/30/2022		1.8	1.0	ug/L
Vinyl chloride	South Underdrain	8/30/2022		2	1	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 Historical 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
1,4-dichlorobenzene	ug/L	AW-3	4	3.100	0.258	1.176	2.796	3.404	75.000	
Benzene	ug/L	AW-3	4	1.575	1.242	1.176	0.114	3.036	5.000	
Chlorobenzene	ug/L	AW-3	4	0.500	0.000	1.176	0.500	0.500	100.000	
Chloroethane	ug/L	AW-3	4	2.800	1.007	1.176	1.616	3.984	2800.000	
Cis-1,2-dichloroethene	ug/L	AW-3	4	0.675	0.350	1.176	0.263	1.087	70.000	
Toluene	ug/L	AW-3	4	0.500	0.000	1.176	0.500	0.500	1000.000	
1,4-dichlorobenzene	ug/L	MW-20	4	2.925	0.443	1.176	2.404	3.446	75.000	
Benzene	ug/L	MW-20	4	2.400	0.392	1.176	1.939	2.861	5.000	
Chlorobenzene	ug/L	MW-20	4	3.125	0.443	1.176	2.604	3.646	100.000	
Chloroethane	ug/L	MW-20	4	0.500	0.000	1.176	0.500	0.500	2800.000	
Cis-1,2-dichloroethene	ug/L	MW-20	4	0.500	0.000	1.176	0.500	0.500	70.000	
Toluene	ug/L	MW-20	4	0.650	0.300	1.176	0.297	1.003	1000.000	

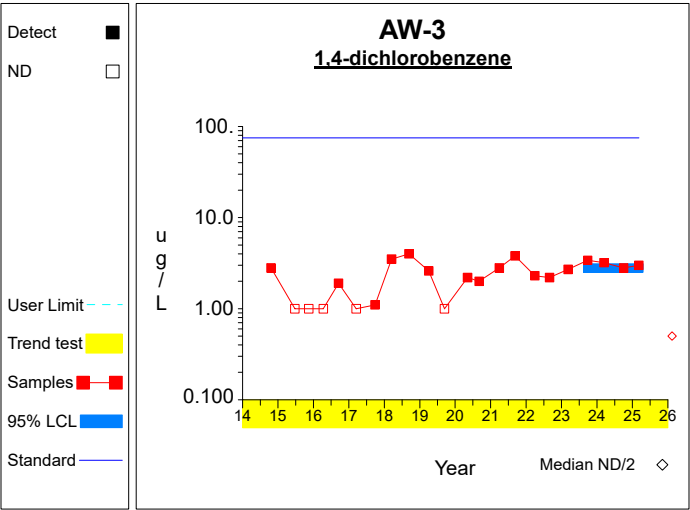
* - Insufficient Data

** - Significant Exceedance

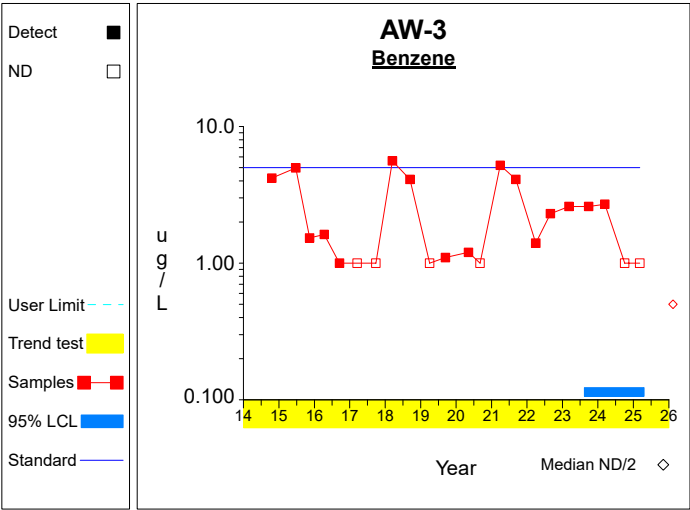
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

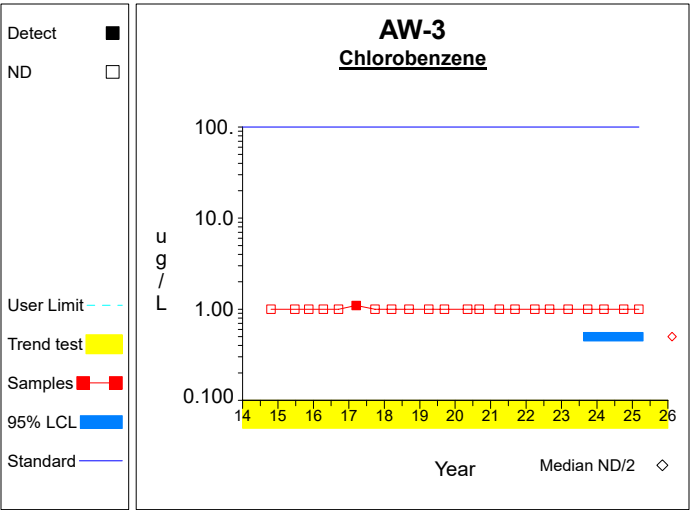
Confidence Limits (Assessment)



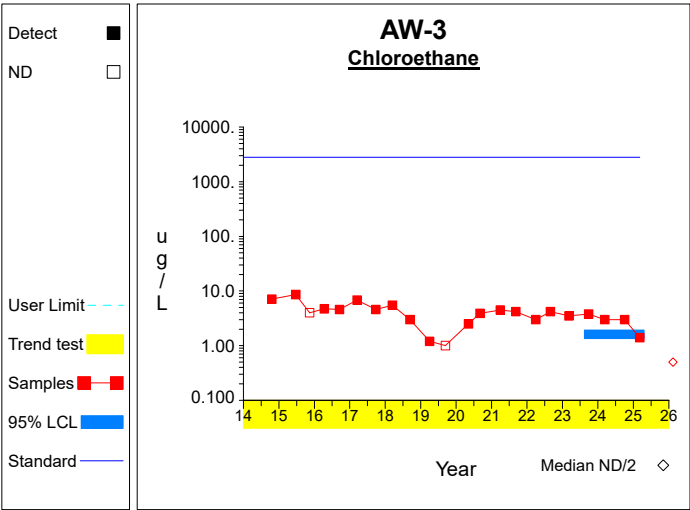
Graph 1



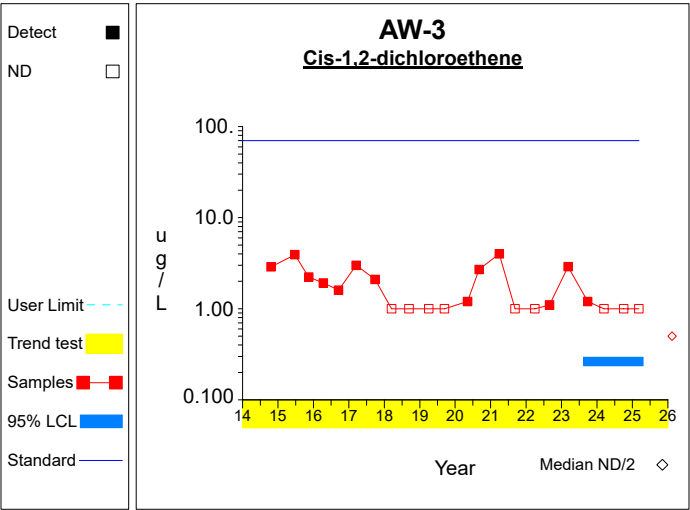
Graph 2



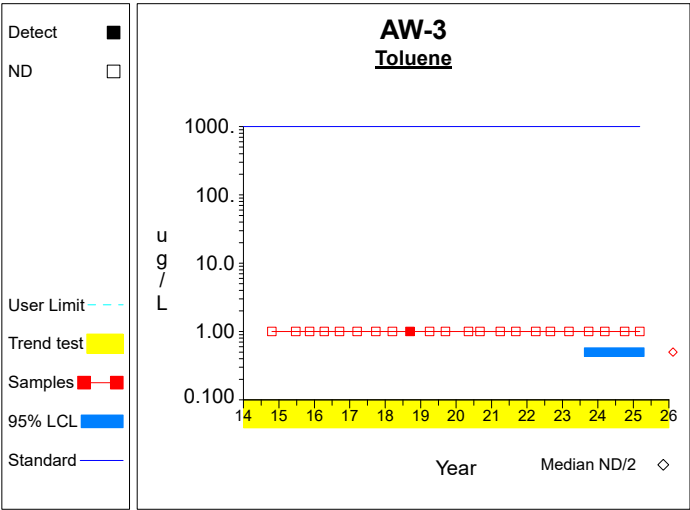
Graph 3



Graph 4

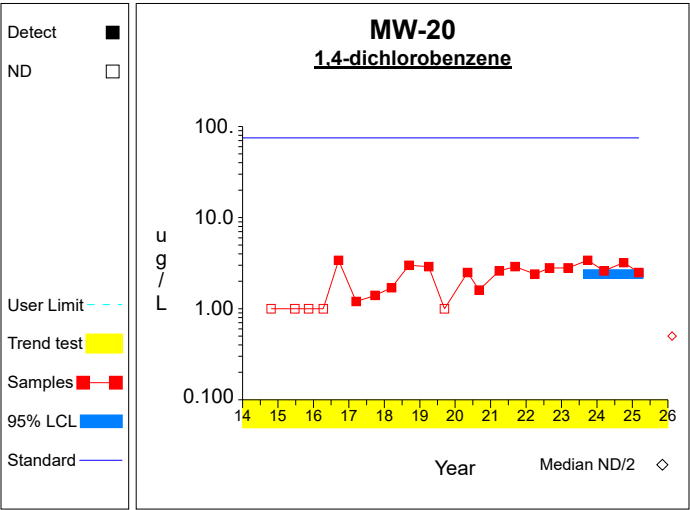


Graph 5

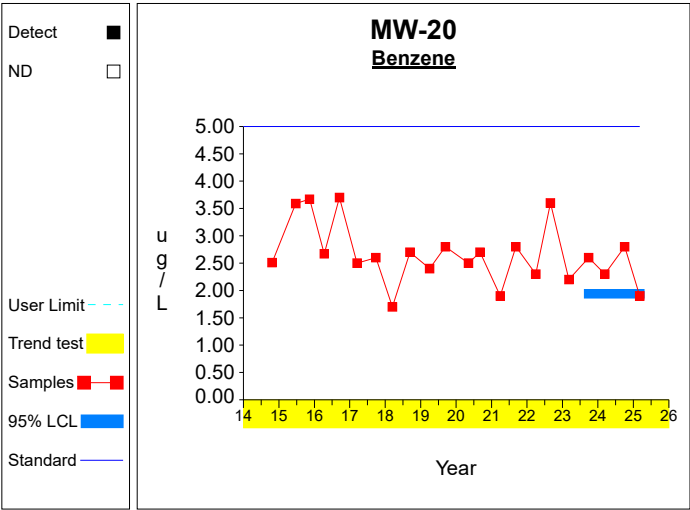


Graph 6

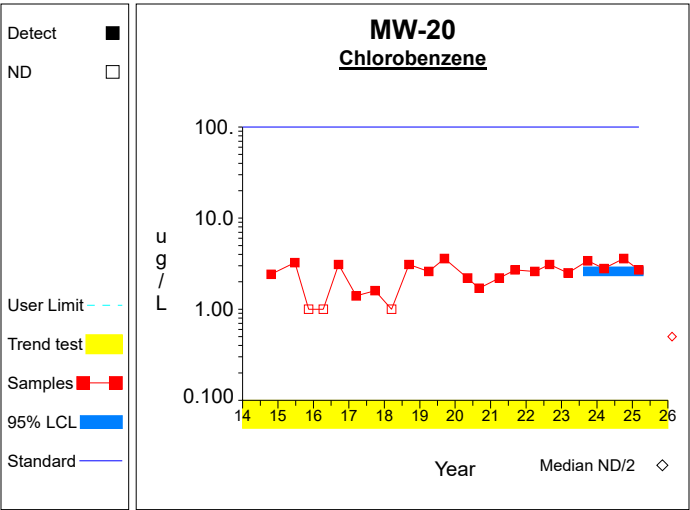
Confidence Limits (Assessment)



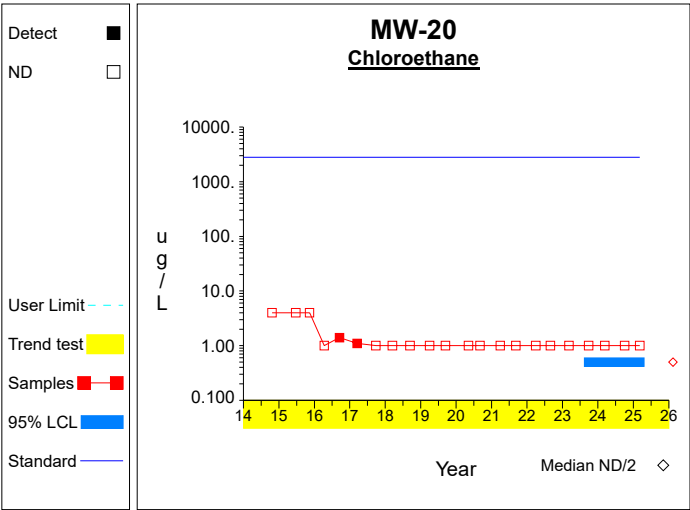
Graph 7



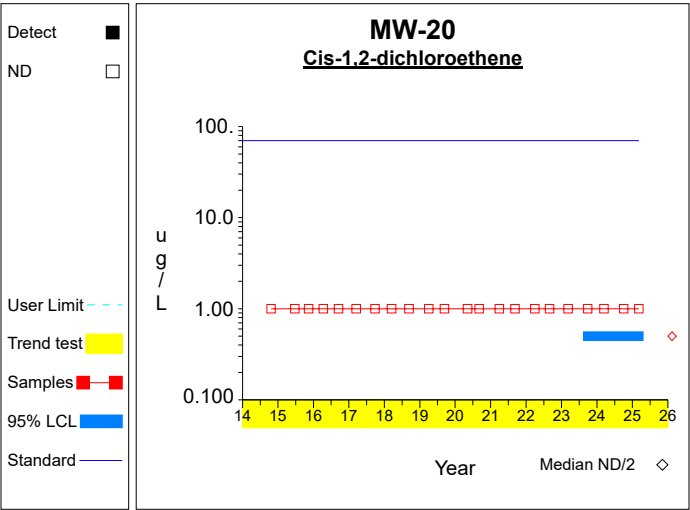
Graph 8



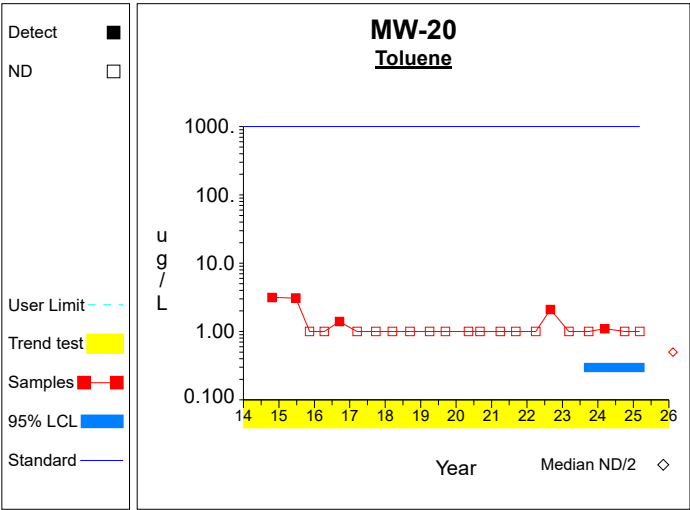
Graph 9



Graph 10



Graph 11



Graph 12

Appendix B.2 – Fall Statistical Report

Results of the Ground Water Statistics for Benton County Sanitary Landfill

Second Semi-Annual Monitoring Event in 2025

Prepared for:
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October 2025

INTRODUCTION

This report contains the results of the statistical analyses used to evaluate the ground water data obtained during the second semi-annual monitoring event in 2025 at Benton County Sanitary Landfill. The ground water at Benton County Sanitary Landfill is monitored by a network of wells including AW-1, AW-2, AW-3, AW-4, AW-9, MW-12, MW-14, MW-19, MW-20, MW-24, MW-25, MW-26, MW-27, MW-28, MW-41, MW-6, MW-7, and MW-9. Monitoring wells AW-1, AW-2, AW-3, AW-9, GU-L, MW-12, MW-14, MW-20, MW-24, MW-25, MW-26, MW-27, MW-41, MW-6, and MW-7 were sampled on September 16, 2025 and analyzed for the parameters required by permit. The statistical plan is 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 Benton County Sanitary Landfill data. The statistical plan conforms with IAC 567, Chapter 113.10, USEPA Guidance document (“*Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Unified Guidance*”, March 2009), and the American Society for Testing and Materials (ASTM) standard D6312-98, *Developing Appropriate Statistical Approaches for Ground-Water Detection Monitoring Programs*.

Ground Water Monitoring Program

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 below.

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

Organic Compounds:

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

Inorganic constituents:

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

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

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

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

Ground water statistics are to be done on the inorganic constituents listed. The organic constituents are compared to maximum contaminant levels (MCLs) or practical quantitation limits (PQLs), in lieu of statistical comparisons to historical concentrations.

Interwell Statistics: Upgradient versus Downgradient Comparisons

Interwell statistics are appropriate when the upgradient and downgradient wells monitor the same ground water formation and there is similar variability in the upgradient and downgradient zones. Site prediction limits are determined by pooling the historical ground water data from hydraulically upgradient wells. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances. The type of prediction limit utilized (e.g., parametric or nonparametric) is based on the detection frequency and the data distribution of each parameter in the background data. The distribution of the background data is tested for normality using the Shapiro-Wilk test (Gibbons, 1994 and USEPA 1992). If the constituent is normally distributed, a normal prediction limit is used. If normality is rejected by the Shapiro-Wilk test, the background data is transformed by taking the natural logarithm. The Shapiro-Wilk test is then reapplied on the transformed data. If it is not rejected, lognormal prediction limits are used. If after transforming the data, normality is still rejected, nonparametric prediction limits are used for that analyte. The nonparametric prediction limit is the largest determination in the background measurements. For constituents where the background detection frequency is greater than 0% but less than 50%, nonparametric prediction limits will be used. If the detection frequency is 0% after 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-6, MW-7, MW-26, MW-27, and MW-28 during the period from October 2014 through the current data. A summary of the background data from monitoring wells MW-6, MW-7, MW-26, MW-27, and MW-28 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 AW-1, AW-2, AW-3, AW-9, GU-L, MW-12, MW-14, MW-20, MW-24, MW-25, and MW-41, compared to the site prediction limits once sufficient data are available. Prediction limit exceedances are

flagged with asterisks. For the most current data, the site prediction limit exceedances detected are summarized in the Table below.

Summary of Prediction Limit Exceedances for the Second Semi-Annual Monitoring Event in 2025

Well	Trace Metal	Result	Prediction Limit	Prediction Limit Type	Verified or Awaiting Verification
AW-2	Arsenic, µg/L	68.7	51.3000	Nonparametric	Awaiting Verification

The detection frequencies of the parameters in the up and down gradient monitoring wells are summarized in Table 3. Only barium was detected at a frequency greater than or equal to 50% in the upgradient well so only this metal was tested for normality. The remainder of the metals are rarely detected (less than 50%) in the upgradient wells so nonparametric prediction limits were be used in those cases.

Table 4 summarizes the results of the Shapiro-Wilk test. Table 5 is a summary of the statistics and prediction limits determined for the metals. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

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

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

The 95% LCL for cobalt at AW-1 (3.431 µg/L) exceeds the Iowa Statewide Standard of 2.1 µg/L, though the current concentration (4.9 µg/L) does not exceed the site prediction limit of 12.2 µg/L.

The 95% LCL for arsenic at AW-2 (24.221 µg/L) exceeds the USEPA MCL of 10 µg/L, the current concentration (68.7 µg/L) exceeds the site prediction limit of 51.3 µg/L.

The 95% LCL for cobalt at AW-2 (8.676 µg/L) exceeds the Iowa Statewide Standard of 2.1 µg/L, though the current concentration (8.8 µg/L) does not exceed the site prediction limit of 12.2 µg/L.

The 95% LCL for arsenic at AW-3 (17.663 µg/L) exceeds the USEPA MCL of 10 µg/L, though the current concentration (36.3 µg/L) does not exceed the site prediction limit of 51.3 µg/L.

The 95% LCL for arsenic at MW-20 (22.812 µg/L) exceeds the USEPA MCL of 10 µg/L, though the current concentration (28.4 µg/L) does not exceed the site prediction limit of 51.3 µg/L.

The 95% LCL for cobalt at MW-24 (5.209 µg/L) exceeds the Iowa Statewide Standard of 2.1 µg/L, though the current concentration (9.2 µg/L) does not exceed the site prediction limit of 12.2 µg/L.

The calculated 95% LCLs for the remainder of the verified trace metal exceedances are below the respective GWPS.

Intrawell Comparisons

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 to control the number of false assessments.

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.

Many ground water 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 monitored 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. Nonparametric prediction limits are the largest value detected during background at that well for that parameter.

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 outliers have generally not been substantiated by either the resample events or the subsequent routine monitoring event.

The background data is tested for existing trends using Sen's slope test. 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 trace metals data for AW-1, GU-L, and MW-24 were evaluated using the combined Shewhart-CUSUM control chart method. The background data previously included ground water 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 collected from October 2014 through 2022.

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 compared using the combined Shewhart-CUSUM control chart, the control limit exceedances detected are summarized in the table below.

Summary of statistical limit exceedances during the second semi-annual monitoring period in 2025.

Well	Parameter	Result	CUSUM Value	Control limit	Control Limit Type	Comment
AW-1	Barium, µg/L	356	330.7009	319.0441	Normal	Awaiting Verification

The background range was tested for increasing trends using Sen’s Test. An increasing trend was detected in the background data for nickel at MW-24.

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 Benton County Sanitary Landfill during the second semi-annual monitoring event in 2025 are summarized below.

VOCs detected during the second semi-annual monitoring period in 2025

Well	VOC Detected	Result, µg/L	Reporting Limit, µg/L	Verified/ Awaiting verification	Water Quality Standard
AW-2	Carbon disulfide	2.0	1	Awaiting Verification	700 ^b
AW-3	1,4-Dichlorobenzene	3.1	1	Verified	75 ^a
	Chloroethane	3.0	1	Verified	2800 ^b
	cis-1,2-Dichloroethene	1.2	1	Verified	70 ^a
MW-20	1,4-Dichlorobenzene	3.8	1	Verified	75 ^a
	Benzene	3.8	1	Verified	5 ^a
	Carbon disulfide	1.7	1	Awaiting Verification	700 ^b
	Chlorobenzene	5.8	1	Verified	100 ^a

a - USEPA MCL, b- Iowa Statewide Standard for a protected groundwater source

Carbon disulfide detections are likely artifacts of the sampling or analysis. Historical detections from October 2014 to the present 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. The analysis was conducted to evaluate whether verified concentrations are significantly above the water quality standard. The 95% lower confidence limit (LCL) for the mean of the historical data was used to evaluate whether the regulated unit is in compliance with the ground-water protection standards under 40 CFR 264 (e.g. whether the verified constituent is detected at a significant level above the GWPS). An exceedance is verified if the LCL is above the Regulatory GWPS. The calculated 95% LCLs for each of the verified VOCs are below the respective GWPS (Attachment F).

Attachment A

Ground Water Data obtained during the Second Semi-Annual Monitoring Event in 2025

Table 1

Analytical Data Summary for 9/16/2025

Constituents	Units	AW-1	AW-2	AW-3	AW-9	GU-L	MW-12	MW-14	MW-20	MW-24	MW-25	MW-26	MW-27	MW-41	MW-6	MW-7
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<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
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<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
1,1-dichloroethane	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethene	ug/L	<1	<1	<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	<1
1,2-dibromo-3-chloropropane	ug/L	<5	<5	<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	<1
1,2-dichlorobenzene	ug/L	<1	<1	<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	<1
1,2-dichloropropane	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1.0	<1.0	3.1		<1.0	<1.0	<1.0	3.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-butanone	ug/L	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-hexanone	ug/L	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-methyl-2-pentanone	ug/L	<5	<5	<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	<10	<10
Acrylonitrile	ug/L	<5	<5	<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	<1	<1
Arsenic, total	ug/L	<2.0	68.7	36.3	<2.0	<2.0	<2.0	<2.0	28.4	5.5	<2.0	<2.0	4.0	<2.0	<2.0	<2.0
Barium, total	ug/L	356.0	148.0	366.0		104.0	121.0	366.0	345.0	419.0	19.4	158.0	109.0	361.0	184.0	173.0
Benzene	ug/L	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	3.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Beryllium, total	ug/L	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	ug/L	<1	<1	<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	<1	<1
Bromoform	ug/L	<1	<1	<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	<1	<1
Cadmium, total	ug/L	<2	<2	<2		<2	<2	<2	<2	.2	<2	<2	<2	<2	.3	<2
Carbon disulfide	ug/L	<1.0	2.0	<1.0		<1.0	<1.0	<1.0	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	5.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	ug/L	<1	<1	3		<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	<1	<1
Chloromethane	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, total	ug/L	<1.0	<1.0	<1.0		<1.0	1.1	1.1	1.0	1.6	1.4	1.4	1.0	<1.0	1.1	<1.0
Cis-1,2-dichloroethene	ug/L	<1.0	<1.0	1.2		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cis-1,3-dichloropropene	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt, total	ug/L	4.9	8.8	.7	3.3	1.1	.9	<5	<5	9.2	<5	<5	.6	1.7	<5	<5
Copper, total	ug/L	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5.9	<5.0
Dibromochloromethane	ug/L	<1	<1	<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	<1	<1
Ethylbenzene	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iodomethane	ug/L	<1	<1	<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	<1	<1
Methylene chloride	ug/L	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel, total	ug/L	<5.0	6.2	<5.0		34.0	19.5	5.9	<5.0	31.8	<5.0	<5.0	<5.0	<5.0	43.5	<5.0
Selenium, total	ug/L	<2	<2	<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	<5	<5
Styrene	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide	mg/L								<.1							
Tetrachloroethene	ug/L	<1	<1	<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	<.5	<.5
Toluene	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,2-dichloroethene	ug/L	<1	<1	<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 9/16/2025

Constituents	Units	AW-1	AW-2	AW-3	AW-9	GU-L	MW-12	MW-14	MW-20	MW-24	MW-25	MW-26	MW-27	MW-41	MW-6	MW-7
Trans-1,3-dichloropropene	ug/L	<1	<1	<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	<5	<5
Trichloroethene	ug/L	<1	<1	<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	<1	<1
Vanadium, total	ug/L	<2.0	<2.0	<2.0		<2.0	<2.0	<2.0	2.5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Vinyl acetate	ug/L	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<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	<2	<2
Zinc, total	ug/L	10.7	16.5	<5.0		<5.0	12.3	31.1	5.3	18.9	20.4	14.2	7.2	15.4	15.5	8.5

* - 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-26	10/31/2016	ND	2.0000		
Antimony, total	ug/L	MW-26	03/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-26	09/27/2017	ND	2.0000		
Antimony, total	ug/L	MW-26	03/14/2018	ND	2.0000		
Antimony, total	ug/L	MW-26	09/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-26	04/01/2019	ND	2.0000		
Antimony, total	ug/L	MW-26	09/12/2019	ND	2.0000		
Antimony, total	ug/L	MW-26	05/06/2020	ND	2.0000		
Antimony, total	ug/L	MW-26	09/03/2020	ND	2.0000		
Antimony, total	ug/L	MW-26	03/30/2021	ND	2.0000		
Antimony, total	ug/L	MW-26	09/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-26	03/31/2022	ND	2.0000		
Antimony, total	ug/L	MW-26	08/30/2022	ND	2.0000		
Antimony, total	ug/L	MW-26	03/07/2023	ND	2.0000		
Antimony, total	ug/L	MW-26	09/28/2023	ND	2.0000		
Antimony, total	ug/L	MW-26	03/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-26	10/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-26	03/06/2025	ND	2.0000		
Antimony, total	ug/L	MW-26	09/16/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-26	10/31/2016	ND	4.0000		
Arsenic, total	ug/L	MW-26	03/16/2017	ND	4.0000		
Arsenic, total	ug/L	MW-26	09/27/2017	ND	4.0000		
Arsenic, total	ug/L	MW-26	03/14/2018	ND	4.0000		
Arsenic, total	ug/L	MW-26	09/12/2018	ND	4.0000		
Arsenic, total	ug/L	MW-26	04/01/2019	ND	4.0000		
Arsenic, total	ug/L	MW-26	09/12/2019	ND	4.0000		
Arsenic, total	ug/L	MW-26	05/06/2020	ND	4.0000		
Arsenic, total	ug/L	MW-26	09/03/2020	ND	4.0000		
Arsenic, total	ug/L	MW-26	03/30/2021	ND	4.0000		
Arsenic, total	ug/L	MW-26	09/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-26	03/31/2022	ND	4.0000		
Arsenic, total	ug/L	MW-26	08/30/2022	ND	4.0000		
Arsenic, total	ug/L	MW-26	03/07/2023	ND	4.0000		
Arsenic, total	ug/L	MW-26	09/28/2023	ND	4.0000		
Arsenic, total	ug/L	MW-26	03/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-26	10/02/2024	ND	4.0000		
Arsenic, total	ug/L	MW-26	03/06/2025	ND	4.0000		
Arsenic, total	ug/L	MW-26	09/16/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-26	10/31/2016		155.0000		
Barium, total	ug/L	MW-26	03/16/2017		161.0000		
Barium, total	ug/L	MW-26	09/27/2017		155.0000		
Barium, total	ug/L	MW-26	03/14/2018		201.0000		
Barium, total	ug/L	MW-26	09/12/2018		170.0000		
Barium, total	ug/L	MW-26	04/01/2019		176.0000		
Barium, total	ug/L	MW-26	09/12/2019		158.0000		
Barium, total	ug/L	MW-26	05/06/2020		158.0000		
Barium, total	ug/L	MW-26	09/03/2020		148.0000		
Barium, total	ug/L	MW-26	03/30/2021		154.0000		
Barium, total	ug/L	MW-26	09/08/2021		141.0000		
Barium, total	ug/L	MW-26	03/31/2022		178.0000		
Barium, total	ug/L	MW-26	08/30/2022		156.0000		

* - 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-26	03/07/2023		174.0000		
Barium, total	ug/L	MW-26	09/28/2023		170.0000		
Barium, total	ug/L	MW-26	03/11/2024		188.0000		
Barium, total	ug/L	MW-26	10/02/2024		150.0000		
Barium, total	ug/L	MW-26	03/06/2025		178.0000		
Barium, total	ug/L	MW-26	09/16/2025		158.0000		
Beryllium, total	ug/L	MW-26	10/31/2016	ND	4.0000		
Beryllium, total	ug/L	MW-26	03/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-26	09/27/2017	ND	4.0000		
Beryllium, total	ug/L	MW-26	03/14/2018	ND	4.0000		
Beryllium, total	ug/L	MW-26	09/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-26	04/01/2019	ND	4.0000		
Beryllium, total	ug/L	MW-26	09/12/2019	ND	4.0000		
Beryllium, total	ug/L	MW-26	05/06/2020	ND	4.0000		
Beryllium, total	ug/L	MW-26	09/03/2020	ND	4.0000		
Beryllium, total	ug/L	MW-26	03/30/2021	ND	4.0000		
Beryllium, total	ug/L	MW-26	09/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-26	03/31/2022	ND	4.0000		
Beryllium, total	ug/L	MW-26	08/30/2022	ND	4.0000		
Beryllium, total	ug/L	MW-26	03/07/2023	ND	4.0000		
Beryllium, total	ug/L	MW-26	09/28/2023	ND	4.0000		
Beryllium, total	ug/L	MW-26	03/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-26	10/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-26	03/06/2025	ND	4.0000		
Beryllium, total	ug/L	MW-26	09/16/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-26	10/31/2016	ND	0.8000		
Cadmium, total	ug/L	MW-26	03/16/2017	ND	0.8000		
Cadmium, total	ug/L	MW-26	09/27/2017	ND	0.8000		
Cadmium, total	ug/L	MW-26	03/14/2018	ND	0.8000		
Cadmium, total	ug/L	MW-26	09/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-26	04/01/2019	ND	0.8000		
Cadmium, total	ug/L	MW-26	09/12/2019	ND	0.8000		
Cadmium, total	ug/L	MW-26	05/06/2020	ND	0.8000		
Cadmium, total	ug/L	MW-26	09/03/2020	ND	0.8000		
Cadmium, total	ug/L	MW-26	03/30/2021	ND	0.8000		
Cadmium, total	ug/L	MW-26	09/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-26	03/31/2022	ND	0.8000		
Cadmium, total	ug/L	MW-26	08/30/2022	ND	0.8000		
Cadmium, total	ug/L	MW-26	03/07/2023	ND	0.8000		
Cadmium, total	ug/L	MW-26	09/28/2023	ND	0.8000		
Cadmium, total	ug/L	MW-26	03/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-26	10/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-26	03/06/2025	ND	0.8000		
Cadmium, total	ug/L	MW-26	09/16/2025	ND	0.2000		*
Chromium, total	ug/L	MW-26	10/31/2016	ND	8.0000		
Chromium, total	ug/L	MW-26	03/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-26	09/27/2017	ND	8.0000		
Chromium, total	ug/L	MW-26	03/14/2018	ND	8.0000		
Chromium, total	ug/L	MW-26	09/12/2018	ND	8.0000		
Chromium, total	ug/L	MW-26	04/01/2019	ND	8.0000		
Chromium, total	ug/L	MW-26	09/12/2019	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-26	05/06/2020	ND	8.0000		
Chromium, total	ug/L	MW-26	09/03/2020	ND	8.0000		
Chromium, total	ug/L	MW-26	03/30/2021	ND	8.0000		
Chromium, total	ug/L	MW-26	09/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-26	03/31/2022	ND	8.0000		
Chromium, total	ug/L	MW-26	08/30/2022	ND	8.0000		
Chromium, total	ug/L	MW-26	03/07/2023	ND	8.0000		
Chromium, total	ug/L	MW-26	09/28/2023	ND	8.0000		
Chromium, total	ug/L	MW-26	03/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-26	10/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-26	03/06/2025	ND	8.0000		
Chromium, total	ug/L	MW-26	09/16/2025		1.4000		*
Cobalt, total	ug/L	MW-26	10/31/2016	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-26	03/16/2017	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-26	09/27/2017	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-26	03/14/2018	ND	2.0000		*
Cobalt, total	ug/L	MW-26	09/12/2018	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-26	04/01/2019	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-26	09/12/2019	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-26	05/06/2020	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-26	09/03/2020	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-26	03/30/2021	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-26	09/08/2021	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-26	03/31/2022	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-26	08/30/2022	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-26	03/07/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-26	09/28/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-26	03/11/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-26	10/02/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-26	03/06/2025	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-26	09/16/2025	ND	0.5000		
Copper, total	ug/L	MW-26	10/31/2016	ND	4.0000		
Copper, total	ug/L	MW-26	03/16/2017	ND	4.0000		
Copper, total	ug/L	MW-26	09/27/2017	ND	4.0000		
Copper, total	ug/L	MW-26	03/14/2018	ND	4.0000		
Copper, total	ug/L	MW-26	09/12/2018	ND	4.0000		
Copper, total	ug/L	MW-26	04/01/2019	ND	4.0000		
Copper, total	ug/L	MW-26	09/12/2019	ND	4.0000		
Copper, total	ug/L	MW-26	05/06/2020	ND	4.0000		
Copper, total	ug/L	MW-26	09/03/2020	ND	4.0000		
Copper, total	ug/L	MW-26	03/30/2021	ND	4.0000		
Copper, total	ug/L	MW-26	09/08/2021	ND	4.0000		
Copper, total	ug/L	MW-26	03/31/2022	ND	4.0000		
Copper, total	ug/L	MW-26	08/30/2022	ND	4.0000		
Copper, total	ug/L	MW-26	03/07/2023	ND	4.0000		
Copper, total	ug/L	MW-26	09/28/2023	ND	4.0000		
Copper, total	ug/L	MW-26	03/11/2024	ND	4.0000		
Copper, total	ug/L	MW-26	10/02/2024	ND	4.0000		
Copper, total	ug/L	MW-26	03/06/2025	ND	4.0000		
Copper, total	ug/L	MW-26	09/16/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-26	10/31/2016	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	
Lead, total	ug/L	MW-26	03/16/2017	ND	4.0000		
Lead, total	ug/L	MW-26	09/27/2017	ND	4.0000		
Lead, total	ug/L	MW-26	03/14/2018	ND	4.0000		
Lead, total	ug/L	MW-26	09/12/2018	ND	4.0000		
Lead, total	ug/L	MW-26	04/01/2019	ND	4.0000		
Lead, total	ug/L	MW-26	09/12/2019	ND	4.0000		
Lead, total	ug/L	MW-26	05/06/2020	ND	4.0000		
Lead, total	ug/L	MW-26	09/03/2020	ND	4.0000		
Lead, total	ug/L	MW-26	03/30/2021	ND	4.0000		
Lead, total	ug/L	MW-26	09/08/2021	ND	4.0000		
Lead, total	ug/L	MW-26	03/31/2022	ND	4.0000		
Lead, total	ug/L	MW-26	08/30/2022	ND	4.0000		
Lead, total	ug/L	MW-26	03/07/2023	ND	4.0000		
Lead, total	ug/L	MW-26	09/28/2023	ND	4.0000		
Lead, total	ug/L	MW-26	03/11/2024	ND	4.0000		
Lead, total	ug/L	MW-26	10/02/2024	ND	4.0000		
Lead, total	ug/L	MW-26	03/06/2025	ND	4.0000		*
Lead, total	ug/L	MW-26	09/16/2025	ND	1.0000		
Nickel, total	ug/L	MW-26	10/31/2016	ND	4.0000		
Nickel, total	ug/L	MW-26	03/16/2017	ND	4.0000		
Nickel, total	ug/L	MW-26	09/27/2017	ND	4.0000		
Nickel, total	ug/L	MW-26	03/14/2018	ND	4.0000		
Nickel, total	ug/L	MW-26	09/12/2018	ND	4.0000		
Nickel, total	ug/L	MW-26	04/01/2019	ND	4.0000		
Nickel, total	ug/L	MW-26	09/12/2019	ND	4.0000		
Nickel, total	ug/L	MW-26	05/06/2020	ND	4.0000		
Nickel, total	ug/L	MW-26	09/03/2020	ND	4.0000		
Nickel, total	ug/L	MW-26	03/30/2021	ND	4.0000		
Nickel, total	ug/L	MW-26	09/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-26	03/31/2022	ND	4.0000		
Nickel, total	ug/L	MW-26	08/30/2022	ND	4.0000		
Nickel, total	ug/L	MW-26	03/07/2023	ND	4.0000		
Nickel, total	ug/L	MW-26	09/28/2023	ND	4.0000		
Nickel, total	ug/L	MW-26	03/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-26	10/02/2024	ND	4.0000		
Nickel, total	ug/L	MW-26	03/06/2025	ND	4.0000		
Nickel, total	ug/L	MW-26	09/16/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-26	10/31/2016	ND	4.0000		
Selenium, total	ug/L	MW-26	03/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-26	09/27/2017	ND	4.0000		
Selenium, total	ug/L	MW-26	03/14/2018	ND	4.0000		
Selenium, total	ug/L	MW-26	09/12/2018	ND	4.0000		
Selenium, total	ug/L	MW-26	04/01/2019	ND	4.0000		
Selenium, total	ug/L	MW-26	09/12/2019	ND	4.0000		
Selenium, total	ug/L	MW-26	05/06/2020	ND	4.0000		
Selenium, total	ug/L	MW-26	09/03/2020	ND	4.0000		
Selenium, total	ug/L	MW-26	03/30/2021	ND	4.0000		
Selenium, total	ug/L	MW-26	09/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-26	03/31/2022	ND	4.0000		
Selenium, total	ug/L	MW-26	08/30/2022	ND	4.0000		
Selenium, total	ug/L	MW-26	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	
Selenium, total	ug/L	MW-26	09/28/2023	ND	4.0000		
Selenium, total	ug/L	MW-26	03/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-26	10/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-26	03/06/2025	ND	4.0000		
Selenium, total	ug/L	MW-26	09/16/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-26	10/31/2016	ND	4.0000		
Silver, total	ug/L	MW-26	03/16/2017	ND	4.0000		
Silver, total	ug/L	MW-26	09/27/2017	ND	4.0000		
Silver, total	ug/L	MW-26	03/14/2018	ND	4.0000		
Silver, total	ug/L	MW-26	09/12/2018	ND	4.0000		
Silver, total	ug/L	MW-26	04/01/2019	ND	4.0000		
Silver, total	ug/L	MW-26	09/12/2019	ND	4.0000		
Silver, total	ug/L	MW-26	05/06/2020	ND	4.0000		
Silver, total	ug/L	MW-26	09/03/2020	ND	4.0000		
Silver, total	ug/L	MW-26	03/30/2021	ND	4.0000		
Silver, total	ug/L	MW-26	09/08/2021	ND	4.0000		
Silver, total	ug/L	MW-26	03/31/2022	ND	4.0000		
Silver, total	ug/L	MW-26	08/30/2022	ND	4.0000		
Silver, total	ug/L	MW-26	03/07/2023	ND	4.0000		
Silver, total	ug/L	MW-26	09/28/2023	ND	4.0000		
Silver, total	ug/L	MW-26	03/11/2024	ND	4.0000		
Silver, total	ug/L	MW-26	10/02/2024	ND	4.0000		
Silver, total	ug/L	MW-26	03/06/2025	ND	4.0000		
Silver, total	ug/L	MW-26	09/16/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-26	10/31/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-26	03/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-26	09/27/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-26	03/14/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-26	09/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-26	04/01/2019	ND	2.0000		
Thallium, total	ug/L	MW-26	09/12/2019	ND	2.0000		
Thallium, total	ug/L	MW-26	05/06/2020	ND	2.0000		
Thallium, total	ug/L	MW-26	09/03/2020	ND	2.0000		
Thallium, total	ug/L	MW-26	03/30/2021	ND	2.0000		
Thallium, total	ug/L	MW-26	09/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-26	03/31/2022	ND	2.0000		
Thallium, total	ug/L	MW-26	08/30/2022	ND	2.0000		
Thallium, total	ug/L	MW-26	03/07/2023	ND	2.0000		
Thallium, total	ug/L	MW-26	09/28/2023	ND	2.0000		
Thallium, total	ug/L	MW-26	03/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-26	10/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-26	03/06/2025	ND	2.0000		
Thallium, total	ug/L	MW-26	09/16/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-26	10/31/2016	ND	20.0000		
Vanadium, total	ug/L	MW-26	03/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-26	09/27/2017	ND	20.0000		
Vanadium, total	ug/L	MW-26	03/14/2018	ND	20.0000		
Vanadium, total	ug/L	MW-26	09/12/2018	ND	20.0000		
Vanadium, total	ug/L	MW-26	04/01/2019	ND	20.0000		
Vanadium, total	ug/L	MW-26	09/12/2019	ND	20.0000		
Vanadium, total	ug/L	MW-26	05/06/2020	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Vanadium, total	ug/L	MW-26	09/03/2020	ND	20.0000		
Vanadium, total	ug/L	MW-26	03/30/2021	ND	20.0000		
Vanadium, total	ug/L	MW-26	09/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-26	03/31/2022	ND	20.0000		
Vanadium, total	ug/L	MW-26	08/30/2022	ND	20.0000		
Vanadium, total	ug/L	MW-26	03/07/2023	ND	20.0000		
Vanadium, total	ug/L	MW-26	09/28/2023	ND	20.0000		
Vanadium, total	ug/L	MW-26	03/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-26	10/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-26	03/06/2025	ND	20.0000		
Vanadium, total	ug/L	MW-26	09/16/2025	ND	2.0000		*
Zinc, total	ug/L	MW-26	10/31/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-26	03/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-26	09/27/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-26	03/14/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-26	09/12/2018	ND	20.0000		
Zinc, total	ug/L	MW-26	04/01/2019	ND	20.0000		
Zinc, total	ug/L	MW-26	09/12/2019		12.5000		
Zinc, total	ug/L	MW-26	05/06/2020	ND	20.0000		
Zinc, total	ug/L	MW-26	09/03/2020	ND	20.0000		
Zinc, total	ug/L	MW-26	03/30/2021	ND	20.0000		
Zinc, total	ug/L	MW-26	09/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-26	03/31/2022	ND	20.0000		
Zinc, total	ug/L	MW-26	08/30/2022	ND	20.0000		
Zinc, total	ug/L	MW-26	03/07/2023	ND	20.0000		
Zinc, total	ug/L	MW-26	09/28/2023	ND	20.0000		
Zinc, total	ug/L	MW-26	03/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-26	10/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-26	03/06/2025	ND	20.0000		
Zinc, total	ug/L	MW-26	09/16/2025		14.2000		
Antimony, total	ug/L	MW-27	10/31/2016	ND	2.0000		
Antimony, total	ug/L	MW-27	03/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-27	09/27/2017	ND	2.0000		
Antimony, total	ug/L	MW-27	03/14/2018	ND	2.0000		
Antimony, total	ug/L	MW-27	09/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-27	04/01/2019	ND	2.0000		
Antimony, total	ug/L	MW-27	09/12/2019	ND	2.0000		
Antimony, total	ug/L	MW-27	05/06/2020	ND	2.0000		
Antimony, total	ug/L	MW-27	09/03/2020	ND	2.0000		
Antimony, total	ug/L	MW-27	03/30/2021	ND	2.0000		
Antimony, total	ug/L	MW-27	09/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-27	03/31/2022	ND	2.0000		
Antimony, total	ug/L	MW-27	08/30/2022	ND	2.0000		
Antimony, total	ug/L	MW-27	03/07/2023	ND	2.0000		
Antimony, total	ug/L	MW-27	09/28/2023	ND	2.0000		
Antimony, total	ug/L	MW-27	03/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-27	10/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-27	03/06/2025	ND	2.0000		
Antimony, total	ug/L	MW-27	09/16/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-27	10/31/2016	ND	4.0000		
Arsenic, total	ug/L	MW-27	03/16/2017		9.3000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic, total	ug/L	MW-27	09/27/2017		84.4000		*
Arsenic, total	ug/L	MW-27	12/13/2017		8.8000		
Arsenic, total	ug/L	MW-27	03/14/2018		43.9000		
Arsenic, total	ug/L	MW-27	09/12/2018		26.3000		
Arsenic, total	ug/L	MW-27	04/01/2019		51.3000		
Arsenic, total	ug/L	MW-27	09/12/2019		18.8000		
Arsenic, total	ug/L	MW-27	05/06/2020		9.2000		
Arsenic, total	ug/L	MW-27	09/03/2020	ND	4.0000		
Arsenic, total	ug/L	MW-27	03/30/2021		8.6000		
Arsenic, total	ug/L	MW-27	09/08/2021		5.6000		
Arsenic, total	ug/L	MW-27	03/31/2022	ND	4.0000		
Arsenic, total	ug/L	MW-27	08/30/2022		13.5000		
Arsenic, total	ug/L	MW-27	03/07/2023	ND	4.0000		
Arsenic, total	ug/L	MW-27	09/28/2023		5.3000		
Arsenic, total	ug/L	MW-27	03/11/2024		4.5000		
Arsenic, total	ug/L	MW-27	10/02/2024		5.2000		
Arsenic, total	ug/L	MW-27	03/06/2025	ND	4.0000		
Arsenic, total	ug/L	MW-27	09/16/2025		4.0000		
Barium, total	ug/L	MW-27	10/31/2016		143.0000		
Barium, total	ug/L	MW-27	03/16/2017		113.0000		
Barium, total	ug/L	MW-27	09/27/2017		501.0000		
Barium, total	ug/L	MW-27	12/13/2017		134.0000		
Barium, total	ug/L	MW-27	03/14/2018		302.0000		
Barium, total	ug/L	MW-27	09/12/2018		189.0000		
Barium, total	ug/L	MW-27	04/01/2019		289.0000		
Barium, total	ug/L	MW-27	09/12/2019		182.0000		
Barium, total	ug/L	MW-27	05/06/2020		138.0000		
Barium, total	ug/L	MW-27	09/03/2020		124.0000		
Barium, total	ug/L	MW-27	03/30/2021		127.0000		
Barium, total	ug/L	MW-27	09/08/2021		111.0000		
Barium, total	ug/L	MW-27	03/31/2022		106.0000		
Barium, total	ug/L	MW-27	08/30/2022		134.0000		
Barium, total	ug/L	MW-27	03/07/2023		107.0000		
Barium, total	ug/L	MW-27	09/28/2023		112.0000		
Barium, total	ug/L	MW-27	03/11/2024		104.0000		
Barium, total	ug/L	MW-27	10/02/2024		111.0000		
Barium, total	ug/L	MW-27	03/06/2025		102.0000		
Barium, total	ug/L	MW-27	09/16/2025		109.0000		
Beryllium, total	ug/L	MW-27	10/31/2016	ND	4.0000		
Beryllium, total	ug/L	MW-27	03/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-27	09/27/2017	ND	4.0000		
Beryllium, total	ug/L	MW-27	03/14/2018	ND	4.0000		
Beryllium, total	ug/L	MW-27	09/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-27	04/01/2019	ND	4.0000		
Beryllium, total	ug/L	MW-27	09/12/2019	ND	4.0000		
Beryllium, total	ug/L	MW-27	05/06/2020	ND	4.0000		
Beryllium, total	ug/L	MW-27	09/03/2020	ND	4.0000		
Beryllium, total	ug/L	MW-27	03/30/2021	ND	4.0000		
Beryllium, total	ug/L	MW-27	09/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-27	03/31/2022	ND	4.0000		
Beryllium, total	ug/L	MW-27	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	
Beryllium, total	ug/L	MW-27	03/07/2023	ND	4.0000		
Beryllium, total	ug/L	MW-27	09/28/2023	ND	4.0000		
Beryllium, total	ug/L	MW-27	03/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-27	10/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-27	03/06/2025	ND	4.0000		
Beryllium, total	ug/L	MW-27	09/16/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-27	10/31/2016	ND	0.8000		
Cadmium, total	ug/L	MW-27	03/16/2017	ND	0.8000		
Cadmium, total	ug/L	MW-27	09/27/2017	ND	0.8000		
Cadmium, total	ug/L	MW-27	03/14/2018	ND	0.8000		
Cadmium, total	ug/L	MW-27	09/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-27	04/01/2019	ND	0.8000		
Cadmium, total	ug/L	MW-27	09/12/2019	ND	0.8000		
Cadmium, total	ug/L	MW-27	05/06/2020	ND	0.8000		
Cadmium, total	ug/L	MW-27	09/03/2020	ND	0.8000		
Cadmium, total	ug/L	MW-27	03/30/2021	ND	0.8000		
Cadmium, total	ug/L	MW-27	09/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-27	03/31/2022	ND	0.8000		
Cadmium, total	ug/L	MW-27	08/30/2022	ND	0.8000		
Cadmium, total	ug/L	MW-27	03/07/2023	ND	0.8000		
Cadmium, total	ug/L	MW-27	09/28/2023	ND	0.8000		
Cadmium, total	ug/L	MW-27	03/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-27	10/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-27	03/06/2025	ND	0.8000		
Cadmium, total	ug/L	MW-27	09/16/2025	ND	0.2000		*
Chromium, total	ug/L	MW-27	10/31/2016	ND	8.0000		
Chromium, total	ug/L	MW-27	03/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-27	09/27/2017	ND	8.0000		
Chromium, total	ug/L	MW-27	03/14/2018	ND	8.0000		
Chromium, total	ug/L	MW-27	09/12/2018	ND	8.0000		
Chromium, total	ug/L	MW-27	04/01/2019	ND	8.0000		
Chromium, total	ug/L	MW-27	09/12/2019	ND	8.0000		
Chromium, total	ug/L	MW-27	05/06/2020	ND	8.0000		
Chromium, total	ug/L	MW-27	09/03/2020	ND	8.0000		
Chromium, total	ug/L	MW-27	03/30/2021	ND	8.0000		
Chromium, total	ug/L	MW-27	09/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-27	03/31/2022	ND	8.0000		
Chromium, total	ug/L	MW-27	08/30/2022	ND	8.0000		
Chromium, total	ug/L	MW-27	03/07/2023	ND	8.0000		
Chromium, total	ug/L	MW-27	09/28/2023	ND	8.0000		
Chromium, total	ug/L	MW-27	03/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-27	10/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-27	03/06/2025	ND	8.0000		
Chromium, total	ug/L	MW-27	09/16/2025	ND	1.0000		*
Cobalt, total	ug/L	MW-27	10/31/2016	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-27	03/16/2017	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-27	09/27/2017		1.3000		
Cobalt, total	ug/L	MW-27	03/14/2018	ND	2.0000	0.5000	**
Cobalt, total	ug/L	MW-27	09/12/2018	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-27	04/01/2019		0.8000		
Cobalt, total	ug/L	MW-27	09/12/2019	ND	0.8000	0.5000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, total	ug/L	MW-27	05/06/2020		1.0000		
Cobalt, total	ug/L	MW-27	09/03/2020		0.8000		
Cobalt, total	ug/L	MW-27	03/30/2021		0.7000		
Cobalt, total	ug/L	MW-27	09/08/2021		0.6000		
Cobalt, total	ug/L	MW-27	03/31/2022		0.7000		
Cobalt, total	ug/L	MW-27	08/30/2022		0.6000		
Cobalt, total	ug/L	MW-27	03/07/2023		0.7000		
Cobalt, total	ug/L	MW-27	09/28/2023		0.6000		
Cobalt, total	ug/L	MW-27	03/11/2024		0.7000		
Cobalt, total	ug/L	MW-27	10/02/2024		0.4000		
Cobalt, total	ug/L	MW-27	03/06/2025		0.4000		
Cobalt, total	ug/L	MW-27	09/16/2025		0.6000		
Copper, total	ug/L	MW-27	10/31/2016	ND	4.0000		
Copper, total	ug/L	MW-27	03/16/2017	ND	4.0000		
Copper, total	ug/L	MW-27	09/27/2017		6.3000		
Copper, total	ug/L	MW-27	03/14/2018	ND	4.0000		
Copper, total	ug/L	MW-27	09/12/2018	ND	4.0000		
Copper, total	ug/L	MW-27	04/01/2019	ND	4.0000		
Copper, total	ug/L	MW-27	09/12/2019	ND	4.0000		
Copper, total	ug/L	MW-27	05/06/2020	ND	4.0000		
Copper, total	ug/L	MW-27	09/03/2020	ND	4.0000		
Copper, total	ug/L	MW-27	03/30/2021	ND	4.0000		
Copper, total	ug/L	MW-27	09/08/2021	ND	4.0000		
Copper, total	ug/L	MW-27	03/31/2022	ND	4.0000		
Copper, total	ug/L	MW-27	08/30/2022	ND	4.0000		
Copper, total	ug/L	MW-27	03/07/2023	ND	4.0000		
Copper, total	ug/L	MW-27	09/28/2023	ND	4.0000		
Copper, total	ug/L	MW-27	03/11/2024	ND	4.0000		
Copper, total	ug/L	MW-27	10/02/2024	ND	4.0000		
Copper, total	ug/L	MW-27	03/06/2025	ND	4.0000		
Copper, total	ug/L	MW-27	09/16/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-27	10/31/2016	ND	4.0000		
Lead, total	ug/L	MW-27	03/16/2017	ND	4.0000		
Lead, total	ug/L	MW-27	09/27/2017	ND	4.0000		
Lead, total	ug/L	MW-27	03/14/2018	ND	4.0000		
Lead, total	ug/L	MW-27	09/12/2018	ND	4.0000		
Lead, total	ug/L	MW-27	04/01/2019	ND	4.0000		
Lead, total	ug/L	MW-27	09/12/2019	ND	4.0000		
Lead, total	ug/L	MW-27	05/06/2020	ND	4.0000		
Lead, total	ug/L	MW-27	09/03/2020	ND	4.0000		
Lead, total	ug/L	MW-27	03/30/2021	ND	4.0000		
Lead, total	ug/L	MW-27	09/08/2021	ND	4.0000		
Lead, total	ug/L	MW-27	03/31/2022	ND	4.0000		
Lead, total	ug/L	MW-27	08/30/2022	ND	4.0000		
Lead, total	ug/L	MW-27	03/07/2023	ND	4.0000		
Lead, total	ug/L	MW-27	09/28/2023	ND	4.0000		
Lead, total	ug/L	MW-27	03/11/2024	ND	4.0000		
Lead, total	ug/L	MW-27	10/02/2024	ND	4.0000		
Lead, total	ug/L	MW-27	03/06/2025	ND	4.0000		
Lead, total	ug/L	MW-27	09/16/2025	ND	1.0000		*
Nickel, total	ug/L	MW-27	10/31/2016	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Nickel, total	ug/L	MW-27	03/16/2017	ND	4.0000		
Nickel, total	ug/L	MW-27	09/27/2017	ND	4.0000		
Nickel, total	ug/L	MW-27	03/14/2018	ND	4.0000		
Nickel, total	ug/L	MW-27	09/12/2018	ND	4.0000		
Nickel, total	ug/L	MW-27	04/01/2019	ND	4.0000		
Nickel, total	ug/L	MW-27	09/12/2019	ND	4.0000		
Nickel, total	ug/L	MW-27	05/06/2020	ND	4.0000		
Nickel, total	ug/L	MW-27	09/03/2020	ND	4.0000		
Nickel, total	ug/L	MW-27	03/30/2021	ND	4.0000		
Nickel, total	ug/L	MW-27	09/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-27	03/31/2022	ND	4.0000		
Nickel, total	ug/L	MW-27	08/30/2022	ND	4.0000		
Nickel, total	ug/L	MW-27	03/07/2023	ND	4.0000		
Nickel, total	ug/L	MW-27	09/28/2023	ND	4.0000		
Nickel, total	ug/L	MW-27	03/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-27	10/02/2024	ND	4.0000		
Nickel, total	ug/L	MW-27	03/06/2025	ND	4.0000		
Nickel, total	ug/L	MW-27	09/16/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-27	10/31/2016	ND	4.0000		
Selenium, total	ug/L	MW-27	03/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-27	09/27/2017	ND	4.0000		
Selenium, total	ug/L	MW-27	03/14/2018	ND	4.0000		
Selenium, total	ug/L	MW-27	09/12/2018	ND	4.0000		
Selenium, total	ug/L	MW-27	04/01/2019	ND	4.0000		
Selenium, total	ug/L	MW-27	09/12/2019	ND	4.0000		
Selenium, total	ug/L	MW-27	05/06/2020	ND	4.0000		
Selenium, total	ug/L	MW-27	09/03/2020	ND	4.0000		
Selenium, total	ug/L	MW-27	03/30/2021	ND	4.0000		
Selenium, total	ug/L	MW-27	09/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-27	03/31/2022	ND	4.0000		
Selenium, total	ug/L	MW-27	08/30/2022	ND	4.0000		
Selenium, total	ug/L	MW-27	03/07/2023	ND	4.0000		
Selenium, total	ug/L	MW-27	09/28/2023	ND	4.0000		
Selenium, total	ug/L	MW-27	03/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-27	10/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-27	03/06/2025	ND	4.0000		
Selenium, total	ug/L	MW-27	09/16/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-27	10/31/2016	ND	4.0000		
Silver, total	ug/L	MW-27	03/16/2017	ND	4.0000		
Silver, total	ug/L	MW-27	09/27/2017	ND	4.0000		
Silver, total	ug/L	MW-27	03/14/2018	ND	4.0000		
Silver, total	ug/L	MW-27	09/12/2018	ND	4.0000		
Silver, total	ug/L	MW-27	04/01/2019	ND	4.0000		
Silver, total	ug/L	MW-27	09/12/2019	ND	4.0000		
Silver, total	ug/L	MW-27	05/06/2020	ND	4.0000		
Silver, total	ug/L	MW-27	09/03/2020	ND	4.0000		
Silver, total	ug/L	MW-27	03/30/2021	ND	4.0000		
Silver, total	ug/L	MW-27	09/08/2021	ND	4.0000		
Silver, total	ug/L	MW-27	03/31/2022	ND	4.0000		
Silver, total	ug/L	MW-27	08/30/2022	ND	4.0000		
Silver, total	ug/L	MW-27	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-27	09/28/2023	ND	4.0000		
Silver, total	ug/L	MW-27	03/11/2024	ND	4.0000		
Silver, total	ug/L	MW-27	10/02/2024	ND	4.0000		
Silver, total	ug/L	MW-27	03/06/2025	ND	4.0000		
Silver, total	ug/L	MW-27	09/16/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-27	10/31/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-27	03/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-27	09/27/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-27	03/14/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-27	09/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-27	04/01/2019	ND	2.0000		
Thallium, total	ug/L	MW-27	09/12/2019	ND	2.0000		
Thallium, total	ug/L	MW-27	05/06/2020	ND	2.0000		
Thallium, total	ug/L	MW-27	09/03/2020	ND	2.0000		
Thallium, total	ug/L	MW-27	03/30/2021	ND	2.0000		
Thallium, total	ug/L	MW-27	09/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-27	03/31/2022	ND	2.0000		
Thallium, total	ug/L	MW-27	08/30/2022	ND	2.0000		
Thallium, total	ug/L	MW-27	03/07/2023	ND	2.0000		
Thallium, total	ug/L	MW-27	09/28/2023	ND	2.0000		
Thallium, total	ug/L	MW-27	03/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-27	10/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-27	03/06/2025	ND	2.0000		
Thallium, total	ug/L	MW-27	09/16/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-27	10/31/2016	ND	20.0000		
Vanadium, total	ug/L	MW-27	03/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-27	09/27/2017	ND	20.0000		
Vanadium, total	ug/L	MW-27	03/14/2018	ND	20.0000		
Vanadium, total	ug/L	MW-27	09/12/2018	ND	20.0000		
Vanadium, total	ug/L	MW-27	04/01/2019	ND	20.0000		
Vanadium, total	ug/L	MW-27	09/12/2019	ND	20.0000		
Vanadium, total	ug/L	MW-27	05/06/2020	ND	20.0000		
Vanadium, total	ug/L	MW-27	09/03/2020	ND	20.0000		
Vanadium, total	ug/L	MW-27	03/30/2021	ND	20.0000		
Vanadium, total	ug/L	MW-27	09/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-27	03/31/2022	ND	20.0000		
Vanadium, total	ug/L	MW-27	08/30/2022	ND	20.0000		
Vanadium, total	ug/L	MW-27	03/07/2023	ND	20.0000		
Vanadium, total	ug/L	MW-27	09/28/2023	ND	20.0000		
Vanadium, total	ug/L	MW-27	03/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-27	10/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-27	03/06/2025	ND	20.0000		
Vanadium, total	ug/L	MW-27	09/16/2025	ND	2.0000		*
Zinc, total	ug/L	MW-27	10/31/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-27	03/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-27	09/27/2017		24.2000		
Zinc, total	ug/L	MW-27	12/13/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-27	03/14/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-27	09/12/2018		31.9000		
Zinc, total	ug/L	MW-27	04/01/2019	ND	20.0000		
Zinc, total	ug/L	MW-27	09/12/2019		8.2000		

* - 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	
Zinc, total	ug/L	MW-27	05/06/2020	ND	20.0000		
Zinc, total	ug/L	MW-27	09/03/2020	ND	20.0000		
Zinc, total	ug/L	MW-27	03/30/2021	ND	20.0000		
Zinc, total	ug/L	MW-27	09/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-27	03/31/2022	ND	20.0000		
Zinc, total	ug/L	MW-27	08/30/2022	ND	20.0000		
Zinc, total	ug/L	MW-27	03/07/2023	ND	20.0000		
Zinc, total	ug/L	MW-27	09/28/2023	ND	20.0000		
Zinc, total	ug/L	MW-27	03/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-27	10/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-27	03/06/2025	ND	20.0000		
Zinc, total	ug/L	MW-27	09/16/2025		7.2000		
Antimony, total	ug/L	MW-28	10/31/2016	ND	2.0000		
Antimony, total	ug/L	MW-28	03/16/2017	ND	2.0000		
Antimony, total	ug/L	MW-28	03/14/2018	ND	2.0000		
Antimony, total	ug/L	MW-28	09/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-28	04/01/2019	ND	2.0000		
Antimony, total	ug/L	MW-28	05/06/2020	ND	2.0000		
Antimony, total	ug/L	MW-28	09/03/2020	ND	2.0000		
Antimony, total	ug/L	MW-28	03/30/2021	ND	2.0000		
Antimony, total	ug/L	MW-28	03/31/2022	ND	2.0000		
Antimony, total	ug/L	MW-28	03/07/2023	ND	2.0000		
Antimony, total	ug/L	MW-28	03/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-28	03/06/2025	ND	2.0000		
Arsenic, total	ug/L	MW-28	10/31/2016	ND	4.0000		
Arsenic, total	ug/L	MW-28	03/16/2017	ND	4.0000		
Arsenic, total	ug/L	MW-28	03/14/2018	ND	4.0000		
Arsenic, total	ug/L	MW-28	09/12/2018	ND	4.0000		
Arsenic, total	ug/L	MW-28	04/01/2019	ND	4.0000		
Arsenic, total	ug/L	MW-28	05/06/2020	ND	4.0000		
Arsenic, total	ug/L	MW-28	09/03/2020	ND	4.0000		
Arsenic, total	ug/L	MW-28	03/30/2021	ND	4.0000		
Arsenic, total	ug/L	MW-28	03/31/2022	ND	4.0000		
Arsenic, total	ug/L	MW-28	03/07/2023	ND	4.0000		
Arsenic, total	ug/L	MW-28	03/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-28	03/06/2025	ND	4.0000		
Barium, total	ug/L	MW-28	10/31/2016		37.1000		
Barium, total	ug/L	MW-28	03/16/2017		71.6000		
Barium, total	ug/L	MW-28	03/14/2018		50.3000		
Barium, total	ug/L	MW-28	09/12/2018		37.0000		
Barium, total	ug/L	MW-28	04/01/2019		35.1000		
Barium, total	ug/L	MW-28	05/06/2020		26.2000		
Barium, total	ug/L	MW-28	09/03/2020		24.6000		
Barium, total	ug/L	MW-28	03/30/2021		27.2000		
Barium, total	ug/L	MW-28	03/31/2022		31.1000		
Barium, total	ug/L	MW-28	03/07/2023		27.3000		
Barium, total	ug/L	MW-28	03/11/2024		26.5000		
Barium, total	ug/L	MW-28	03/06/2025		28.0000		
Beryllium, total	ug/L	MW-28	10/31/2016	ND	4.0000		
Beryllium, total	ug/L	MW-28	03/16/2017	ND	4.0000		
Beryllium, total	ug/L	MW-28	03/14/2018	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-28	09/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-28	04/01/2019	ND	4.0000		
Beryllium, total	ug/L	MW-28	05/06/2020	ND	4.0000		
Beryllium, total	ug/L	MW-28	09/03/2020	ND	4.0000		
Beryllium, total	ug/L	MW-28	03/30/2021	ND	4.0000		
Beryllium, total	ug/L	MW-28	03/31/2022	ND	4.0000		
Beryllium, total	ug/L	MW-28	03/07/2023	ND	4.0000		
Beryllium, total	ug/L	MW-28	03/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-28	03/06/2025	ND	4.0000		
Cadmium, total	ug/L	MW-28	10/31/2016	ND	0.8000		
Cadmium, total	ug/L	MW-28	03/16/2017	ND	0.8000		
Cadmium, total	ug/L	MW-28	03/14/2018	ND	0.8000		
Cadmium, total	ug/L	MW-28	09/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-28	04/01/2019	ND	0.8000		
Cadmium, total	ug/L	MW-28	05/06/2020	ND	0.8000		
Cadmium, total	ug/L	MW-28	09/03/2020	ND	0.8000		
Cadmium, total	ug/L	MW-28	03/30/2021	ND	0.8000		
Cadmium, total	ug/L	MW-28	03/31/2022	ND	0.8000		
Cadmium, total	ug/L	MW-28	03/07/2023	ND	0.8000		
Cadmium, total	ug/L	MW-28	03/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-28	03/06/2025	ND	0.8000		
Chromium, total	ug/L	MW-28	10/31/2016	ND	8.0000		
Chromium, total	ug/L	MW-28	03/16/2017	ND	8.0000		
Chromium, total	ug/L	MW-28	03/14/2018	ND	8.0000		
Chromium, total	ug/L	MW-28	09/12/2018	ND	8.0000		
Chromium, total	ug/L	MW-28	04/01/2019	ND	8.0000		
Chromium, total	ug/L	MW-28	05/06/2020	ND	8.0000		
Chromium, total	ug/L	MW-28	09/03/2020	ND	8.0000		
Chromium, total	ug/L	MW-28	03/30/2021	ND	8.0000		
Chromium, total	ug/L	MW-28	03/31/2022	ND	8.0000		
Chromium, total	ug/L	MW-28	03/07/2023	ND	8.0000		
Chromium, total	ug/L	MW-28	03/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-28	03/06/2025	ND	8.0000		
Cobalt, total	ug/L	MW-28	10/31/2016		0.9000		
Cobalt, total	ug/L	MW-28	03/16/2017		1.7000		
Cobalt, total	ug/L	MW-28	03/14/2018	ND	2.0000	0.5000	**
Cobalt, total	ug/L	MW-28	09/12/2018	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-28	04/01/2019	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-28	05/06/2020	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-28	09/03/2020	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-28	03/30/2021		0.6000		
Cobalt, total	ug/L	MW-28	03/31/2022		1.0000		
Cobalt, total	ug/L	MW-28	03/07/2023		0.4000		
Cobalt, total	ug/L	MW-28	03/11/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-28	03/06/2025	ND	0.4000	0.5000	**
Copper, total	ug/L	MW-28	10/31/2016	ND	4.0000		
Copper, total	ug/L	MW-28	03/16/2017	ND	4.0000		
Copper, total	ug/L	MW-28	03/14/2018	ND	4.0000		
Copper, total	ug/L	MW-28	09/12/2018	ND	4.0000		
Copper, total	ug/L	MW-28	04/01/2019	ND	4.0000		
Copper, total	ug/L	MW-28	05/06/2020	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-28	09/03/2020	ND	4.0000		
Copper, total	ug/L	MW-28	03/30/2021	ND	4.0000		
Copper, total	ug/L	MW-28	03/31/2022	ND	4.0000		
Copper, total	ug/L	MW-28	03/07/2023	ND	4.0000		
Copper, total	ug/L	MW-28	03/11/2024	ND	4.0000		
Copper, total	ug/L	MW-28	03/06/2025	ND	4.0000		
Lead, total	ug/L	MW-28	10/31/2016	ND	4.0000		
Lead, total	ug/L	MW-28	03/16/2017	ND	4.0000		
Lead, total	ug/L	MW-28	03/14/2018	ND	4.0000		
Lead, total	ug/L	MW-28	09/12/2018	ND	4.0000		
Lead, total	ug/L	MW-28	04/01/2019	ND	4.0000		
Lead, total	ug/L	MW-28	05/06/2020	ND	4.0000		
Lead, total	ug/L	MW-28	09/03/2020	ND	4.0000		
Lead, total	ug/L	MW-28	03/30/2021	ND	4.0000		
Lead, total	ug/L	MW-28	03/31/2022	ND	4.0000		
Lead, total	ug/L	MW-28	03/07/2023	ND	4.0000		
Lead, total	ug/L	MW-28	03/11/2024	ND	4.0000		
Lead, total	ug/L	MW-28	03/06/2025	ND	4.0000		
Nickel, total	ug/L	MW-28	10/31/2016	ND	4.0000		
Nickel, total	ug/L	MW-28	03/16/2017	ND	4.0000		
Nickel, total	ug/L	MW-28	03/14/2018	ND	4.0000		
Nickel, total	ug/L	MW-28	09/12/2018	ND	4.0000		
Nickel, total	ug/L	MW-28	04/01/2019	ND	4.0000		
Nickel, total	ug/L	MW-28	05/06/2020	ND	4.0000		
Nickel, total	ug/L	MW-28	09/03/2020	ND	4.0000		
Nickel, total	ug/L	MW-28	03/30/2021	ND	4.1000		
Nickel, total	ug/L	MW-28	03/31/2022	ND	4.0000		
Nickel, total	ug/L	MW-28	03/07/2023	ND	4.0000		
Nickel, total	ug/L	MW-28	03/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-28	03/06/2025	ND	4.0000		
Selenium, total	ug/L	MW-28	10/31/2016	ND	4.0000		
Selenium, total	ug/L	MW-28	03/16/2017	ND	4.0000		
Selenium, total	ug/L	MW-28	03/14/2018	ND	4.0000		
Selenium, total	ug/L	MW-28	09/12/2018	ND	4.0000		
Selenium, total	ug/L	MW-28	04/01/2019	ND	4.0000		
Selenium, total	ug/L	MW-28	05/06/2020	ND	4.0000		
Selenium, total	ug/L	MW-28	09/03/2020	ND	4.0000		
Selenium, total	ug/L	MW-28	03/30/2021	ND	4.0000		
Selenium, total	ug/L	MW-28	03/31/2022	ND	4.0000		
Selenium, total	ug/L	MW-28	03/07/2023	ND	4.0000		
Selenium, total	ug/L	MW-28	03/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-28	03/06/2025	ND	4.0000		
Silver, total	ug/L	MW-28	10/31/2016	ND	4.0000		
Silver, total	ug/L	MW-28	03/16/2017	ND	4.0000		
Silver, total	ug/L	MW-28	03/14/2018	ND	4.0000		
Silver, total	ug/L	MW-28	09/12/2018	ND	4.0000		
Silver, total	ug/L	MW-28	04/01/2019	ND	4.0000		
Silver, total	ug/L	MW-28	05/06/2020	ND	4.0000		
Silver, total	ug/L	MW-28	09/03/2020	ND	4.0000		
Silver, total	ug/L	MW-28	03/30/2021	ND	4.0000		
Silver, total	ug/L	MW-28	03/31/2022	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	
Silver, total	ug/L	MW-28	03/07/2023	ND	4.0000		
Silver, total	ug/L	MW-28	03/11/2024	ND	4.0000		
Silver, total	ug/L	MW-28	03/06/2025	ND	4.0000		
Thallium, total	ug/L	MW-28	10/31/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	03/16/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	03/14/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	09/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-28	04/01/2019	ND	2.0000		
Thallium, total	ug/L	MW-28	05/06/2020	ND	2.0000		
Thallium, total	ug/L	MW-28	09/03/2020	ND	2.0000		
Thallium, total	ug/L	MW-28	03/30/2021	ND	2.0000		
Thallium, total	ug/L	MW-28	03/31/2022	ND	2.0000		
Thallium, total	ug/L	MW-28	03/07/2023	ND	2.0000		
Thallium, total	ug/L	MW-28	03/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-28	03/06/2025	ND	2.0000		
Vanadium, total	ug/L	MW-28	10/31/2016	ND	20.0000		
Vanadium, total	ug/L	MW-28	03/16/2017	ND	20.0000		
Vanadium, total	ug/L	MW-28	03/14/2018	ND	20.0000		
Vanadium, total	ug/L	MW-28	09/12/2018	ND	20.0000		
Vanadium, total	ug/L	MW-28	04/01/2019	ND	20.0000		
Vanadium, total	ug/L	MW-28	05/06/2020	ND	20.0000		
Vanadium, total	ug/L	MW-28	09/03/2020	ND	20.0000		
Vanadium, total	ug/L	MW-28	03/30/2021	ND	20.0000		
Vanadium, total	ug/L	MW-28	03/31/2022	ND	20.0000		
Vanadium, total	ug/L	MW-28	03/07/2023	ND	20.0000		
Vanadium, total	ug/L	MW-28	03/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-28	03/06/2025	ND	20.0000		
Zinc, total	ug/L	MW-28	10/31/2016	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-28	03/16/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-28	03/14/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-28	09/12/2018		33.2000		
Zinc, total	ug/L	MW-28	04/01/2019	ND	20.0000		
Zinc, total	ug/L	MW-28	05/06/2020	ND	20.0000		
Zinc, total	ug/L	MW-28	09/03/2020	ND	20.0000		
Zinc, total	ug/L	MW-28	03/30/2021	ND	20.0000		
Zinc, total	ug/L	MW-28	03/31/2022	ND	20.0000		
Zinc, total	ug/L	MW-28	03/07/2023	ND	20.0000		
Zinc, total	ug/L	MW-28	03/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-28	03/06/2025	ND	20.0000		
Antimony, total	ug/L	MW-6	10/20/2014	ND	6.0000	2.0000	**
Antimony, total	ug/L	MW-6	06/23/2015	ND	6.0000	2.0000	**
Antimony, total	ug/L	MW-6	11/13/2015	ND	6.0000	2.0000	**
Antimony, total	ug/L	MW-6	04/11/2016	ND	6.0000	2.0000	**
Antimony, total	ug/L	MW-6	09/16/2016	ND	2.0000		
Antimony, total	ug/L	MW-6	03/15/2017	ND	2.0000		
Antimony, total	ug/L	MW-6	09/27/2017	ND	2.0000		
Antimony, total	ug/L	MW-6	09/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-6	04/01/2019	ND	2.0000		
Antimony, total	ug/L	MW-6	09/12/2019	ND	2.0000		
Antimony, total	ug/L	MW-6	05/06/2020	ND	2.0000		
Antimony, total	ug/L	MW-6	09/03/2020	ND	2.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, total	ug/L	MW-6	03/30/2021	ND	2.0000		
Antimony, total	ug/L	MW-6	09/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-6	03/31/2022	ND	2.0000		
Antimony, total	ug/L	MW-6	08/30/2022	ND	2.0000		
Antimony, total	ug/L	MW-6	03/07/2023	ND	2.0000		
Antimony, total	ug/L	MW-6	09/28/2023	ND	2.0000		
Antimony, total	ug/L	MW-6	03/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-6	10/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-6	09/16/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-6	10/20/2014		1.6900		
Arsenic, total	ug/L	MW-6	06/23/2015	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-6	11/13/2015	ND	2.0000	4.0000	**
Arsenic, total	ug/L	MW-6	04/11/2016	ND	10.0000	4.0000	**
Arsenic, total	ug/L	MW-6	09/16/2016	ND	4.0000		
Arsenic, total	ug/L	MW-6	03/15/2017	ND	4.0000		
Arsenic, total	ug/L	MW-6	09/27/2017	ND	4.0000		
Arsenic, total	ug/L	MW-6	09/12/2018	ND	4.0000		
Arsenic, total	ug/L	MW-6	04/01/2019	ND	4.0000		
Arsenic, total	ug/L	MW-6	09/12/2019	ND	4.0000		
Arsenic, total	ug/L	MW-6	05/06/2020	ND	4.0000		
Arsenic, total	ug/L	MW-6	09/03/2020	ND	4.0000		
Arsenic, total	ug/L	MW-6	03/30/2021	ND	4.0000		
Arsenic, total	ug/L	MW-6	09/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-6	03/31/2022	ND	4.0000		
Arsenic, total	ug/L	MW-6	08/30/2022	ND	4.0000		
Arsenic, total	ug/L	MW-6	03/07/2023	ND	4.0000		
Arsenic, total	ug/L	MW-6	09/28/2023	ND	4.0000		
Arsenic, total	ug/L	MW-6	03/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-6	10/02/2024	ND	4.0000		
Arsenic, total	ug/L	MW-6	09/16/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-6	10/20/2014		346.0000		
Barium, total	ug/L	MW-6	06/23/2015		237.0000		
Barium, total	ug/L	MW-6	11/13/2015		294.0000		
Barium, total	ug/L	MW-6	04/11/2016		279.0000		
Barium, total	ug/L	MW-6	09/16/2016		316.0000		
Barium, total	ug/L	MW-6	03/15/2017		326.0000		
Barium, total	ug/L	MW-6	09/27/2017		193.0000		
Barium, total	ug/L	MW-6	09/12/2018		333.0000		
Barium, total	ug/L	MW-6	04/01/2019		409.0000		
Barium, total	ug/L	MW-6	09/12/2019		349.0000		
Barium, total	ug/L	MW-6	05/06/2020		477.0000		
Barium, total	ug/L	MW-6	09/03/2020		299.0000		
Barium, total	ug/L	MW-6	03/30/2021		264.0000		
Barium, total	ug/L	MW-6	09/08/2021		197.0000		
Barium, total	ug/L	MW-6	03/31/2022		227.0000		
Barium, total	ug/L	MW-6	08/30/2022		208.0000		
Barium, total	ug/L	MW-6	03/07/2023		253.0000		
Barium, total	ug/L	MW-6	09/28/2023		237.0000		
Barium, total	ug/L	MW-6	03/11/2024		285.0000		
Barium, total	ug/L	MW-6	10/02/2024		233.0000		
Barium, total	ug/L	MW-6	09/16/2025		184.0000		

* - 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-6	10/20/2014	ND	1.0000	4.0000	**
Beryllium, total	ug/L	MW-6	06/23/2015	ND	1.0000	4.0000	**
Beryllium, total	ug/L	MW-6	11/13/2015	ND	1.0000	4.0000	**
Beryllium, total	ug/L	MW-6	04/11/2016	ND	1.0000	4.0000	**
Beryllium, total	ug/L	MW-6	09/16/2016	ND	4.0000		
Beryllium, total	ug/L	MW-6	03/15/2017	ND	4.0000		
Beryllium, total	ug/L	MW-6	09/27/2017	ND	4.0000		
Beryllium, total	ug/L	MW-6	09/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-6	04/01/2019	ND	4.0000		
Beryllium, total	ug/L	MW-6	09/12/2019	ND	4.0000		
Beryllium, total	ug/L	MW-6	05/06/2020	ND	4.0000		
Beryllium, total	ug/L	MW-6	09/03/2020	ND	4.0000		
Beryllium, total	ug/L	MW-6	03/30/2021	ND	4.0000		
Beryllium, total	ug/L	MW-6	09/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-6	03/31/2022	ND	4.0000		
Beryllium, total	ug/L	MW-6	08/30/2022	ND	4.0000		
Beryllium, total	ug/L	MW-6	03/07/2023	ND	4.0000		
Beryllium, total	ug/L	MW-6	09/28/2023	ND	4.0000		
Beryllium, total	ug/L	MW-6	03/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-6	10/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-6	09/16/2025	ND	0.5000	4.0000	**
Cadmium, total	ug/L	MW-6	10/20/2014	ND	0.5000	0.8000	**
Cadmium, total	ug/L	MW-6	06/23/2015	ND	0.5000	0.8000	**
Cadmium, total	ug/L	MW-6	11/13/2015	ND	0.5000	0.8000	**
Cadmium, total	ug/L	MW-6	04/11/2016	ND	0.5000	0.8000	**
Cadmium, total	ug/L	MW-6	09/16/2016	ND	0.8000		
Cadmium, total	ug/L	MW-6	03/15/2017	ND	0.8000		
Cadmium, total	ug/L	MW-6	09/27/2017	ND	0.8000		
Cadmium, total	ug/L	MW-6	09/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-6	04/01/2019	ND	0.8000		
Cadmium, total	ug/L	MW-6	09/12/2019	ND	0.8000		
Cadmium, total	ug/L	MW-6	05/06/2020	ND	0.8000		
Cadmium, total	ug/L	MW-6	09/03/2020	ND	0.8000		
Cadmium, total	ug/L	MW-6	03/30/2021	ND	0.8000		
Cadmium, total	ug/L	MW-6	09/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-6	03/31/2022	ND	0.8000		
Cadmium, total	ug/L	MW-6	08/30/2022	ND	0.8000		
Cadmium, total	ug/L	MW-6	03/07/2023	ND	0.8000		
Cadmium, total	ug/L	MW-6	09/28/2023	ND	0.8000		
Cadmium, total	ug/L	MW-6	03/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-6	10/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-6	09/16/2025	ND	0.3000		
Chromium, total	ug/L	MW-6	10/20/2014	ND	5.0000	8.0000	**
Chromium, total	ug/L	MW-6	06/23/2015	ND	5.0000	8.0000	**
Chromium, total	ug/L	MW-6	11/13/2015	ND	5.0000	8.0000	**
Chromium, total	ug/L	MW-6	04/11/2016	ND	5.0000	8.0000	**
Chromium, total	ug/L	MW-6	09/16/2016	ND	8.0000		
Chromium, total	ug/L	MW-6	03/15/2017	ND	8.0000		
Chromium, total	ug/L	MW-6	09/27/2017	ND	8.0000		
Chromium, total	ug/L	MW-6	09/12/2018	ND	8.0000		
Chromium, total	ug/L	MW-6	04/01/2019	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-6	09/12/2019	ND	8.0000		
Chromium, total	ug/L	MW-6	05/06/2020	ND	8.0000		
Chromium, total	ug/L	MW-6	09/03/2020	ND	8.0000		
Chromium, total	ug/L	MW-6	03/30/2021	ND	8.0000		
Chromium, total	ug/L	MW-6	09/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-6	03/31/2022	ND	8.0000		
Chromium, total	ug/L	MW-6	08/30/2022	ND	8.0000		
Chromium, total	ug/L	MW-6	03/07/2023	ND	8.0000		
Chromium, total	ug/L	MW-6	09/28/2023	ND	8.0000		
Chromium, total	ug/L	MW-6	03/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-6	10/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-6	09/16/2025		1.1000		*
Cobalt, total	ug/L	MW-6	10/20/2014		7.4300		*
Cobalt, total	ug/L	MW-6	06/23/2015	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-6	11/13/2015	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-6	04/11/2016	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-6	09/16/2016	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-6	03/15/2017	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-6	09/27/2017	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-6	09/12/2018	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-6	04/01/2019	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-6	09/12/2019	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-6	05/06/2020	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-6	09/03/2020	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-6	03/30/2021	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-6	09/08/2021	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-6	03/31/2022		1.1000		
Cobalt, total	ug/L	MW-6	08/30/2022	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-6	03/07/2023		11.4000		*
Cobalt, total	ug/L	MW-6	09/28/2023		1.8000		
Cobalt, total	ug/L	MW-6	03/11/2024		2.3000		
Cobalt, total	ug/L	MW-6	10/02/2024		1.5000		
Cobalt, total	ug/L	MW-6	09/16/2025	ND	0.5000		
Copper, total	ug/L	MW-6	10/20/2014		25.7000		*
Copper, total	ug/L	MW-6	06/23/2015	ND	2.0000	4.0000	**
Copper, total	ug/L	MW-6	11/13/2015		2.6800		
Copper, total	ug/L	MW-6	04/11/2016	ND	2.0000	4.0000	**
Copper, total	ug/L	MW-6	09/16/2016	ND	4.0000		
Copper, total	ug/L	MW-6	03/15/2017	ND	4.0000		
Copper, total	ug/L	MW-6	09/27/2017	ND	4.0000		
Copper, total	ug/L	MW-6	09/12/2018	ND	4.0000		
Copper, total	ug/L	MW-6	04/01/2019	ND	4.0000		
Copper, total	ug/L	MW-6	09/12/2019	ND	4.0000		
Copper, total	ug/L	MW-6	05/06/2020	ND	4.0000		
Copper, total	ug/L	MW-6	09/03/2020	ND	4.0000		
Copper, total	ug/L	MW-6	03/30/2021	ND	4.0000		
Copper, total	ug/L	MW-6	09/08/2021	ND	4.0000		
Copper, total	ug/L	MW-6	03/31/2022	ND	4.0000		
Copper, total	ug/L	MW-6	08/30/2022	ND	4.0000		
Copper, total	ug/L	MW-6	03/07/2023	ND	4.0000		
Copper, total	ug/L	MW-6	09/28/2023	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Copper, total	ug/L	MW-6	03/11/2024		15.0000		*
Copper, total	ug/L	MW-6	10/02/2024	ND	4.0000		
Copper, total	ug/L	MW-6	09/16/2025		5.9000		
Lead, total	ug/L	MW-6	10/20/2014		6.0300		
Lead, total	ug/L	MW-6	06/23/2015		0.6080		
Lead, total	ug/L	MW-6	11/13/2015		0.5030		
Lead, total	ug/L	MW-6	04/11/2016	ND	0.5000	4.0000	**
Lead, total	ug/L	MW-6	09/16/2016	ND	4.0000		
Lead, total	ug/L	MW-6	03/15/2017	ND	4.0000		
Lead, total	ug/L	MW-6	09/27/2017	ND	4.0000		
Lead, total	ug/L	MW-6	09/12/2018	ND	4.0000		
Lead, total	ug/L	MW-6	04/01/2019	ND	4.0000		
Lead, total	ug/L	MW-6	09/12/2019	ND	4.0000		
Lead, total	ug/L	MW-6	05/06/2020	ND	4.0000		
Lead, total	ug/L	MW-6	09/03/2020	ND	4.0000		
Lead, total	ug/L	MW-6	03/30/2021	ND	4.0000		
Lead, total	ug/L	MW-6	09/08/2021	ND	4.0000		
Lead, total	ug/L	MW-6	03/31/2022	ND	4.0000		
Lead, total	ug/L	MW-6	08/30/2022	ND	4.0000		
Lead, total	ug/L	MW-6	03/07/2023	ND	4.0000		
Lead, total	ug/L	MW-6	09/28/2023	ND	4.0000		
Lead, total	ug/L	MW-6	03/11/2024	ND	4.0000		
Lead, total	ug/L	MW-6	10/02/2024	ND	4.0000		
Lead, total	ug/L	MW-6	09/16/2025	ND	1.0000	4.0000	**
Nickel, total	ug/L	MW-6	10/20/2014	ND	30.0000	4.0000	**
Nickel, total	ug/L	MW-6	06/23/2015	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-6	11/13/2015	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-6	04/11/2016	ND	5.0000	4.0000	**
Nickel, total	ug/L	MW-6	09/16/2016	ND	4.0000		
Nickel, total	ug/L	MW-6	03/15/2017	ND	4.0000		
Nickel, total	ug/L	MW-6	09/27/2017	ND	4.0000		
Nickel, total	ug/L	MW-6	09/12/2018		7.8000		
Nickel, total	ug/L	MW-6	04/01/2019		8.4000		
Nickel, total	ug/L	MW-6	09/12/2019		7.3000		
Nickel, total	ug/L	MW-6	05/06/2020		6.9000		
Nickel, total	ug/L	MW-6	09/03/2020		5.5000		
Nickel, total	ug/L	MW-6	03/30/2021		5.0000		
Nickel, total	ug/L	MW-6	09/08/2021		5.7000		
Nickel, total	ug/L	MW-6	03/31/2022		9.9000		
Nickel, total	ug/L	MW-6	08/30/2022		11.3000		
Nickel, total	ug/L	MW-6	03/07/2023		29.5000		
Nickel, total	ug/L	MW-6	09/28/2023		25.3000		
Nickel, total	ug/L	MW-6	03/11/2024		16.4000		
Nickel, total	ug/L	MW-6	10/02/2024		14.6000		
Nickel, total	ug/L	MW-6	09/16/2025		43.5000		
Selenium, total	ug/L	MW-6	10/20/2014	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-6	06/23/2015	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-6	11/13/2015	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-6	04/11/2016	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-6	09/16/2016	ND	4.0000		
Selenium, total	ug/L	MW-6	03/15/2017	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, total	ug/L	MW-6	09/27/2017	ND	4.0000		
Selenium, total	ug/L	MW-6	09/12/2018	ND	4.0000		
Selenium, total	ug/L	MW-6	04/01/2019	ND	4.0000		
Selenium, total	ug/L	MW-6	09/12/2019	ND	4.0000		
Selenium, total	ug/L	MW-6	05/06/2020	ND	4.0000		
Selenium, total	ug/L	MW-6	09/03/2020	ND	4.0000		
Selenium, total	ug/L	MW-6	03/30/2021	ND	4.0000		
Selenium, total	ug/L	MW-6	09/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-6	03/31/2022	ND	4.0000		
Selenium, total	ug/L	MW-6	08/30/2022	ND	4.0000		
Selenium, total	ug/L	MW-6	03/07/2023	ND	4.0000		
Selenium, total	ug/L	MW-6	09/28/2023	ND	4.0000		
Selenium, total	ug/L	MW-6	03/11/2024	ND	4.0000		
Selenium, total	ug/L	MW-6	10/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-6	09/16/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-6	10/20/2014	ND	20.0000		*
Silver, total	ug/L	MW-6	06/23/2015	ND	1.0000		*
Silver, total	ug/L	MW-6	11/13/2015	ND	1.0000		*
Silver, total	ug/L	MW-6	04/11/2016	ND	1.0000		*
Silver, total	ug/L	MW-6	09/16/2016	ND	4.0000		
Silver, total	ug/L	MW-6	03/15/2017	ND	4.0000		
Silver, total	ug/L	MW-6	09/27/2017	ND	4.0000		
Silver, total	ug/L	MW-6	09/12/2018	ND	4.0000		
Silver, total	ug/L	MW-6	04/01/2019	ND	4.0000		
Silver, total	ug/L	MW-6	09/12/2019	ND	4.0000		
Silver, total	ug/L	MW-6	05/06/2020	ND	4.0000		
Silver, total	ug/L	MW-6	09/03/2020	ND	4.0000		
Silver, total	ug/L	MW-6	03/30/2021	ND	4.0000		
Silver, total	ug/L	MW-6	09/08/2021	ND	4.0000		
Silver, total	ug/L	MW-6	03/31/2022	ND	4.0000		
Silver, total	ug/L	MW-6	08/30/2022	ND	4.0000		
Silver, total	ug/L	MW-6	03/07/2023	ND	4.0000		
Silver, total	ug/L	MW-6	09/28/2023	ND	4.0000		
Silver, total	ug/L	MW-6	03/11/2024	ND	4.0000		
Silver, total	ug/L	MW-6	10/02/2024	ND	4.0000		
Silver, total	ug/L	MW-6	09/16/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-6	10/20/2014	ND	2.0000		
Thallium, total	ug/L	MW-6	06/23/2015	ND	1.0000	2.0000	**
Thallium, total	ug/L	MW-6	11/13/2015	ND	1.0000	2.0000	**
Thallium, total	ug/L	MW-6	04/11/2016	ND	2.0000		
Thallium, total	ug/L	MW-6	09/16/2016	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-6	03/15/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-6	09/27/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-6	09/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-6	04/01/2019	ND	2.0000		
Thallium, total	ug/L	MW-6	09/12/2019	ND	2.0000		
Thallium, total	ug/L	MW-6	05/06/2020	ND	2.0000		
Thallium, total	ug/L	MW-6	09/03/2020	ND	2.0000		
Thallium, total	ug/L	MW-6	03/30/2021	ND	2.0000		
Thallium, total	ug/L	MW-6	09/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-6	03/31/2022	ND	2.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium, total	ug/L	MW-6	08/30/2022	ND	2.0000		
Thallium, total	ug/L	MW-6	03/07/2023	ND	2.0000		
Thallium, total	ug/L	MW-6	09/28/2023	ND	2.0000		
Thallium, total	ug/L	MW-6	03/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-6	10/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-6	09/16/2025	ND	0.5000	2.0000	**
Vanadium, total	ug/L	MW-6	10/20/2014	ND	20.0000		
Vanadium, total	ug/L	MW-6	06/23/2015	ND	5.0000	20.0000	**
Vanadium, total	ug/L	MW-6	11/13/2015	ND	5.0000	20.0000	**
Vanadium, total	ug/L	MW-6	04/11/2016	ND	5.0000	20.0000	**
Vanadium, total	ug/L	MW-6	09/16/2016	ND	20.0000		
Vanadium, total	ug/L	MW-6	03/15/2017	ND	20.0000		
Vanadium, total	ug/L	MW-6	09/27/2017	ND	20.0000		
Vanadium, total	ug/L	MW-6	09/12/2018	ND	20.0000		
Vanadium, total	ug/L	MW-6	04/01/2019	ND	20.0000		
Vanadium, total	ug/L	MW-6	09/12/2019	ND	20.0000		
Vanadium, total	ug/L	MW-6	05/06/2020	ND	20.0000		
Vanadium, total	ug/L	MW-6	09/03/2020	ND	20.0000		
Vanadium, total	ug/L	MW-6	03/30/2021	ND	20.0000		
Vanadium, total	ug/L	MW-6	09/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-6	03/31/2022	ND	20.0000		
Vanadium, total	ug/L	MW-6	08/30/2022	ND	20.0000		
Vanadium, total	ug/L	MW-6	03/07/2023	ND	20.0000		
Vanadium, total	ug/L	MW-6	09/28/2023	ND	20.0000		
Vanadium, total	ug/L	MW-6	03/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-6	10/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-6	09/16/2025	ND	2.0000	20.0000	**
Zinc, total	ug/L	MW-6	10/20/2014		22.6000		
Zinc, total	ug/L	MW-6	06/23/2015	ND	10.0000	20.0000	**
Zinc, total	ug/L	MW-6	11/13/2015	ND	10.0000	20.0000	**
Zinc, total	ug/L	MW-6	04/11/2016	ND	10.0000	20.0000	**
Zinc, total	ug/L	MW-6	09/16/2016		21.7000		
Zinc, total	ug/L	MW-6	03/15/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-6	09/27/2017		10.1000		
Zinc, total	ug/L	MW-6	09/12/2018		21.6000		
Zinc, total	ug/L	MW-6	04/01/2019		44.1000		
Zinc, total	ug/L	MW-6	09/12/2019	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-6	05/06/2020	ND	20.0000		
Zinc, total	ug/L	MW-6	09/03/2020	ND	20.0000		
Zinc, total	ug/L	MW-6	03/30/2021	ND	20.0000		
Zinc, total	ug/L	MW-6	09/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-6	03/31/2022	ND	20.0000		
Zinc, total	ug/L	MW-6	08/30/2022	ND	20.0000		
Zinc, total	ug/L	MW-6	03/07/2023	ND	20.0000		
Zinc, total	ug/L	MW-6	09/28/2023	ND	20.0000		
Zinc, total	ug/L	MW-6	03/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-6	10/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-6	09/16/2025		15.5000		
Antimony, total	ug/L	MW-7	03/15/2017	ND	2.0000		
Antimony, total	ug/L	MW-7	05/09/2017	ND	2.0000		
Antimony, total	ug/L	MW-7	09/27/2017	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-7	03/14/2018	ND	2.0000		
Antimony, total	ug/L	MW-7	09/12/2018	ND	2.0000		
Antimony, total	ug/L	MW-7	04/01/2019	ND	2.0000		
Antimony, total	ug/L	MW-7	09/12/2019	ND	2.0000		
Antimony, total	ug/L	MW-7	05/06/2020	ND	2.0000		
Antimony, total	ug/L	MW-7	09/03/2020	ND	2.0000		
Antimony, total	ug/L	MW-7	03/30/2021	ND	2.0000		*
Antimony, total	ug/L	MW-7	09/08/2021	ND	2.0000		
Antimony, total	ug/L	MW-7	03/31/2022	ND	2.0000		
Antimony, total	ug/L	MW-7	08/30/2022	ND	2.0000		
Antimony, total	ug/L	MW-7	03/07/2023	ND	2.0000		
Antimony, total	ug/L	MW-7	09/28/2023	ND	2.0000		
Antimony, total	ug/L	MW-7	03/11/2024	ND	2.0000		
Antimony, total	ug/L	MW-7	10/02/2024	ND	2.0000		
Antimony, total	ug/L	MW-7	03/06/2025	ND	2.0000		
Antimony, total	ug/L	MW-7	09/16/2025	ND	1.0000	2.0000	**
Arsenic, total	ug/L	MW-7	03/15/2017		6.5000		
Arsenic, total	ug/L	MW-7	05/09/2017	ND	4.0000		
Arsenic, total	ug/L	MW-7	09/27/2017	ND	4.0000		
Arsenic, total	ug/L	MW-7	03/14/2018	ND	4.0000		
Arsenic, total	ug/L	MW-7	09/12/2018		6.3000		
Arsenic, total	ug/L	MW-7	04/01/2019	ND	4.0000		
Arsenic, total	ug/L	MW-7	09/12/2019		13.9000		*
Arsenic, total	ug/L	MW-7	05/06/2020	ND	4.0000		
Arsenic, total	ug/L	MW-7	09/03/2020	ND	4.0000		
Arsenic, total	ug/L	MW-7	03/30/2021		35.8000		*
Arsenic, total	ug/L	MW-7	09/08/2021	ND	4.0000		
Arsenic, total	ug/L	MW-7	03/31/2022		18.6000		*
Arsenic, total	ug/L	MW-7	08/30/2022	ND	4.0000		
Arsenic, total	ug/L	MW-7	03/07/2023	ND	4.0000		
Arsenic, total	ug/L	MW-7	09/28/2023	ND	4.0000		
Arsenic, total	ug/L	MW-7	03/11/2024	ND	4.0000		
Arsenic, total	ug/L	MW-7	10/02/2024	ND	4.0000		
Arsenic, total	ug/L	MW-7	03/06/2025	ND	4.0000		
Arsenic, total	ug/L	MW-7	09/16/2025	ND	2.0000	4.0000	**
Barium, total	ug/L	MW-7	03/15/2017		331.0000		
Barium, total	ug/L	MW-7	05/09/2017		224.0000		
Barium, total	ug/L	MW-7	09/27/2017		380.0000		
Barium, total	ug/L	MW-7	03/14/2018		214.0000		
Barium, total	ug/L	MW-7	09/12/2018		325.0000		
Barium, total	ug/L	MW-7	04/01/2019		235.0000		
Barium, total	ug/L	MW-7	09/12/2019		386.0000		
Barium, total	ug/L	MW-7	05/06/2020		191.0000		
Barium, total	ug/L	MW-7	09/03/2020		172.0000		
Barium, total	ug/L	MW-7	03/30/2021		880.0000		*
Barium, total	ug/L	MW-7	09/08/2021		163.0000		
Barium, total	ug/L	MW-7	03/31/2022		569.0000		
Barium, total	ug/L	MW-7	08/30/2022		211.0000		
Barium, total	ug/L	MW-7	03/07/2023		166.0000		
Barium, total	ug/L	MW-7	09/28/2023		161.0000		
Barium, total	ug/L	MW-7	03/11/2024		168.0000		

* - 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-7	10/02/2024		162.0000		
Barium, total	ug/L	MW-7	03/06/2025		148.0000		
Barium, total	ug/L	MW-7	09/16/2025		173.0000		
Beryllium, total	ug/L	MW-7	03/15/2017	ND	4.0000		
Beryllium, total	ug/L	MW-7	05/09/2017	ND	4.0000		
Beryllium, total	ug/L	MW-7	09/27/2017	ND	4.0000		
Beryllium, total	ug/L	MW-7	03/14/2018	ND	4.0000		
Beryllium, total	ug/L	MW-7	09/12/2018	ND	4.0000		
Beryllium, total	ug/L	MW-7	04/01/2019	ND	4.0000		
Beryllium, total	ug/L	MW-7	09/12/2019	ND	4.0000		
Beryllium, total	ug/L	MW-7	05/06/2020	ND	4.0000		
Beryllium, total	ug/L	MW-7	09/03/2020	ND	4.0000		
Beryllium, total	ug/L	MW-7	03/30/2021	ND	4.0000		*
Beryllium, total	ug/L	MW-7	09/08/2021	ND	4.0000		
Beryllium, total	ug/L	MW-7	03/31/2022	ND	4.0000		
Beryllium, total	ug/L	MW-7	08/30/2022	ND	4.0000		
Beryllium, total	ug/L	MW-7	03/07/2023	ND	4.0000		
Beryllium, total	ug/L	MW-7	09/28/2023	ND	4.0000		
Beryllium, total	ug/L	MW-7	03/11/2024	ND	4.0000		
Beryllium, total	ug/L	MW-7	10/02/2024	ND	4.0000		
Beryllium, total	ug/L	MW-7	03/06/2025	ND	4.0000		
Beryllium, total	ug/L	MW-7	09/16/2025	ND	0.5000		*
Cadmium, total	ug/L	MW-7	03/15/2017	ND	0.8000		
Cadmium, total	ug/L	MW-7	05/09/2017	ND	0.8000		
Cadmium, total	ug/L	MW-7	09/27/2017	ND	0.8000		
Cadmium, total	ug/L	MW-7	03/14/2018	ND	0.8000		
Cadmium, total	ug/L	MW-7	09/12/2018	ND	0.8000		
Cadmium, total	ug/L	MW-7	04/01/2019	ND	0.8000		
Cadmium, total	ug/L	MW-7	09/12/2019	ND	0.8000		
Cadmium, total	ug/L	MW-7	05/06/2020	ND	0.8000		
Cadmium, total	ug/L	MW-7	09/03/2020	ND	0.8000		
Cadmium, total	ug/L	MW-7	03/30/2021	ND	1.7000		*
Cadmium, total	ug/L	MW-7	09/08/2021	ND	0.8000		
Cadmium, total	ug/L	MW-7	03/31/2022	ND	1.0000		
Cadmium, total	ug/L	MW-7	08/30/2022	ND	0.8000		
Cadmium, total	ug/L	MW-7	03/07/2023	ND	0.8000		
Cadmium, total	ug/L	MW-7	09/28/2023	ND	0.8000		
Cadmium, total	ug/L	MW-7	03/11/2024	ND	0.8000		
Cadmium, total	ug/L	MW-7	10/02/2024	ND	0.8000		
Cadmium, total	ug/L	MW-7	03/06/2025	ND	0.8000		
Cadmium, total	ug/L	MW-7	09/16/2025	ND	0.2000		*
Chromium, total	ug/L	MW-7	03/15/2017		16.5000		
Chromium, total	ug/L	MW-7	05/09/2017	ND	8.0000		
Chromium, total	ug/L	MW-7	09/27/2017	ND	8.0000		
Chromium, total	ug/L	MW-7	03/14/2018	ND	8.0000		
Chromium, total	ug/L	MW-7	09/12/2018		14.6000		
Chromium, total	ug/L	MW-7	04/01/2019	ND	8.0000		
Chromium, total	ug/L	MW-7	09/12/2019		31.6000		*
Chromium, total	ug/L	MW-7	05/06/2020	ND	8.0000		
Chromium, total	ug/L	MW-7	09/03/2020	ND	8.0000		
Chromium, total	ug/L	MW-7	03/30/2021		77.5000		*

* - 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	
Chromium, total	ug/L	MW-7	09/08/2021	ND	8.0000		
Chromium, total	ug/L	MW-7	03/31/2022		49.5000		*
Chromium, total	ug/L	MW-7	08/30/2022	ND	8.0000		
Chromium, total	ug/L	MW-7	03/07/2023	ND	8.0000		
Chromium, total	ug/L	MW-7	09/28/2023	ND	8.0000		
Chromium, total	ug/L	MW-7	03/11/2024	ND	8.0000		
Chromium, total	ug/L	MW-7	10/02/2024	ND	8.0000		
Chromium, total	ug/L	MW-7	03/06/2025	ND	8.0000		
Chromium, total	ug/L	MW-7	09/16/2025	ND	1.0000		*
Cobalt, total	ug/L	MW-7	03/15/2017		5.9000		
Cobalt, total	ug/L	MW-7	05/09/2017	ND	0.8000	0.5000	**
Cobalt, total	ug/L	MW-7	09/27/2017		3.4000		
Cobalt, total	ug/L	MW-7	03/14/2018	ND	2.0000	0.5000	**
Cobalt, total	ug/L	MW-7	09/12/2018		5.8000		
Cobalt, total	ug/L	MW-7	04/01/2019		1.9000		
Cobalt, total	ug/L	MW-7	09/12/2019		12.2000		
Cobalt, total	ug/L	MW-7	05/06/2020		0.4000		
Cobalt, total	ug/L	MW-7	09/03/2020	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-7	03/30/2021		39.3000		*
Cobalt, total	ug/L	MW-7	09/08/2021	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-7	03/31/2022		22.9000		*
Cobalt, total	ug/L	MW-7	08/30/2022		2.1000		
Cobalt, total	ug/L	MW-7	03/07/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-7	09/28/2023	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-7	03/11/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-7	10/02/2024	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-7	03/06/2025	ND	0.4000	0.5000	**
Cobalt, total	ug/L	MW-7	09/16/2025	ND	0.5000		
Copper, total	ug/L	MW-7	03/15/2017		13.7000		*
Copper, total	ug/L	MW-7	05/09/2017	ND	4.0000		
Copper, total	ug/L	MW-7	09/27/2017		10.6000		
Copper, total	ug/L	MW-7	03/14/2018	ND	4.0000		
Copper, total	ug/L	MW-7	09/12/2018		12.7000		*
Copper, total	ug/L	MW-7	04/01/2019	ND	4.0000		
Copper, total	ug/L	MW-7	09/12/2019		25.8000		*
Copper, total	ug/L	MW-7	05/06/2020	ND	4.0000		
Copper, total	ug/L	MW-7	09/03/2020	ND	4.0000		
Copper, total	ug/L	MW-7	03/30/2021		83.4000		*
Copper, total	ug/L	MW-7	09/08/2021	ND	4.0000		
Copper, total	ug/L	MW-7	03/31/2022		47.2000		*
Copper, total	ug/L	MW-7	08/30/2022		4.8000		
Copper, total	ug/L	MW-7	03/07/2023	ND	4.0000		
Copper, total	ug/L	MW-7	09/28/2023		4.1000		
Copper, total	ug/L	MW-7	03/11/2024	ND	4.0000		
Copper, total	ug/L	MW-7	10/02/2024	ND	4.0000		
Copper, total	ug/L	MW-7	03/06/2025	ND	4.0000		
Copper, total	ug/L	MW-7	09/16/2025	ND	5.0000	4.0000	**
Lead, total	ug/L	MW-7	03/15/2017		6.8000		
Lead, total	ug/L	MW-7	05/09/2017	ND	4.0000		
Lead, total	ug/L	MW-7	09/27/2017	ND	4.0000		
Lead, total	ug/L	MW-7	03/14/2018	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead, total	ug/L	MW-7	09/12/2018		6.6000		
Lead, total	ug/L	MW-7	04/01/2019	ND	4.0000		
Lead, total	ug/L	MW-7	09/12/2019		13.1000		*
Lead, total	ug/L	MW-7	05/06/2020	ND	4.0000		
Lead, total	ug/L	MW-7	09/03/2020	ND	4.0000		
Lead, total	ug/L	MW-7	03/30/2021		43.4000		*
Lead, total	ug/L	MW-7	09/08/2021	ND	4.0000		
Lead, total	ug/L	MW-7	03/31/2022		25.8000		*
Lead, total	ug/L	MW-7	08/30/2022		5.5000		
Lead, total	ug/L	MW-7	03/07/2023	ND	4.0000		
Lead, total	ug/L	MW-7	09/28/2023	ND	4.0000		
Lead, total	ug/L	MW-7	03/11/2024	ND	4.0000		
Lead, total	ug/L	MW-7	10/02/2024	ND	4.0000		
Lead, total	ug/L	MW-7	03/06/2025	ND	4.0000		
Lead, total	ug/L	MW-7	09/16/2025	ND	1.0000		*
Nickel, total	ug/L	MW-7	03/15/2017		19.0000		*
Nickel, total	ug/L	MW-7	05/09/2017	ND	4.0000		
Nickel, total	ug/L	MW-7	09/27/2017		11.4000		
Nickel, total	ug/L	MW-7	12/13/2017	ND	4.0000		
Nickel, total	ug/L	MW-7	03/14/2018	ND	4.0000		
Nickel, total	ug/L	MW-7	09/12/2018		17.4000		*
Nickel, total	ug/L	MW-7	04/01/2019		7.4000		
Nickel, total	ug/L	MW-7	09/12/2019		34.2000		*
Nickel, total	ug/L	MW-7	05/06/2020	ND	4.0000		
Nickel, total	ug/L	MW-7	09/03/2020	ND	4.0000		
Nickel, total	ug/L	MW-7	03/30/2021		105.0000		*
Nickel, total	ug/L	MW-7	09/08/2021	ND	4.0000		
Nickel, total	ug/L	MW-7	03/31/2022		61.9000		*
Nickel, total	ug/L	MW-7	08/30/2022		6.5000		
Nickel, total	ug/L	MW-7	03/07/2023	ND	4.0000		
Nickel, total	ug/L	MW-7	09/28/2023	ND	4.0000		
Nickel, total	ug/L	MW-7	03/11/2024	ND	4.0000		
Nickel, total	ug/L	MW-7	10/02/2024		4.1000		
Nickel, total	ug/L	MW-7	03/06/2025	ND	4.0000		
Nickel, total	ug/L	MW-7	09/16/2025	ND	5.0000	4.0000	**
Selenium, total	ug/L	MW-7	03/15/2017	ND	4.0000		
Selenium, total	ug/L	MW-7	05/09/2017	ND	4.0000		
Selenium, total	ug/L	MW-7	09/27/2017	ND	4.0000		
Selenium, total	ug/L	MW-7	03/14/2018	ND	4.0000		
Selenium, total	ug/L	MW-7	09/12/2018	ND	4.0000		
Selenium, total	ug/L	MW-7	04/01/2019	ND	4.0000		
Selenium, total	ug/L	MW-7	09/12/2019	ND	4.0000		
Selenium, total	ug/L	MW-7	05/06/2020	ND	4.0000		
Selenium, total	ug/L	MW-7	09/03/2020	ND	4.0000		
Selenium, total	ug/L	MW-7	03/30/2021		5.8000		*
Selenium, total	ug/L	MW-7	09/08/2021	ND	4.0000		
Selenium, total	ug/L	MW-7	03/31/2022		6.2000		*
Selenium, total	ug/L	MW-7	08/30/2022	ND	4.0000		
Selenium, total	ug/L	MW-7	03/07/2023	ND	4.0000		
Selenium, total	ug/L	MW-7	09/28/2023	ND	4.0000		
Selenium, total	ug/L	MW-7	03/11/2024	ND	4.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, total	ug/L	MW-7	10/02/2024	ND	4.0000		
Selenium, total	ug/L	MW-7	03/06/2025	ND	4.0000		
Selenium, total	ug/L	MW-7	09/16/2025	ND	2.0000	4.0000	**
Silver, total	ug/L	MW-7	03/15/2017	ND	4.0000		
Silver, total	ug/L	MW-7	05/09/2017	ND	4.0000		
Silver, total	ug/L	MW-7	09/27/2017	ND	4.0000		
Silver, total	ug/L	MW-7	03/14/2018	ND	4.0000		
Silver, total	ug/L	MW-7	09/12/2018	ND	4.0000		
Silver, total	ug/L	MW-7	04/01/2019	ND	4.0000		
Silver, total	ug/L	MW-7	09/12/2019	ND	4.0000		
Silver, total	ug/L	MW-7	05/06/2020	ND	4.0000		
Silver, total	ug/L	MW-7	09/03/2020	ND	4.0000		
Silver, total	ug/L	MW-7	03/30/2021	ND	4.0000		*
Silver, total	ug/L	MW-7	09/08/2021	ND	4.0000		
Silver, total	ug/L	MW-7	03/31/2022	ND	4.0000		
Silver, total	ug/L	MW-7	08/30/2022	ND	4.0000		
Silver, total	ug/L	MW-7	03/07/2023	ND	4.0000		
Silver, total	ug/L	MW-7	09/28/2023	ND	4.0000		
Silver, total	ug/L	MW-7	03/11/2024	ND	4.0000		
Silver, total	ug/L	MW-7	10/02/2024	ND	4.0000		
Silver, total	ug/L	MW-7	03/06/2025	ND	4.0000		
Silver, total	ug/L	MW-7	09/16/2025	ND	5.0000	4.0000	**
Thallium, total	ug/L	MW-7	03/15/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-7	05/09/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-7	09/27/2017	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-7	03/14/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-7	09/12/2018	ND	4.0000	2.0000	**
Thallium, total	ug/L	MW-7	04/01/2019	ND	2.0000		
Thallium, total	ug/L	MW-7	09/12/2019	ND	2.0000		
Thallium, total	ug/L	MW-7	05/06/2020	ND	2.0000		
Thallium, total	ug/L	MW-7	09/03/2020	ND	2.0000		
Thallium, total	ug/L	MW-7	03/30/2021	ND	2.0000		*
Thallium, total	ug/L	MW-7	09/08/2021	ND	2.0000		
Thallium, total	ug/L	MW-7	03/31/2022	ND	2.0000		
Thallium, total	ug/L	MW-7	08/30/2022	ND	2.0000		
Thallium, total	ug/L	MW-7	03/07/2023	ND	2.0000		
Thallium, total	ug/L	MW-7	09/28/2023	ND	2.0000		
Thallium, total	ug/L	MW-7	03/11/2024	ND	2.0000		
Thallium, total	ug/L	MW-7	10/02/2024	ND	2.0000		
Thallium, total	ug/L	MW-7	03/06/2025	ND	2.0000		
Thallium, total	ug/L	MW-7	09/16/2025	ND	0.5000		*
Vanadium, total	ug/L	MW-7	03/15/2017		26.5000		
Vanadium, total	ug/L	MW-7	05/09/2017	ND	20.0000		
Vanadium, total	ug/L	MW-7	09/27/2017	ND	20.0000		
Vanadium, total	ug/L	MW-7	03/14/2018	ND	20.0000		
Vanadium, total	ug/L	MW-7	09/12/2018		23.0000		
Vanadium, total	ug/L	MW-7	04/01/2019	ND	20.0000		
Vanadium, total	ug/L	MW-7	09/12/2019		55.0000		*
Vanadium, total	ug/L	MW-7	05/06/2020	ND	20.0000		
Vanadium, total	ug/L	MW-7	09/03/2020	ND	20.0000		
Vanadium, total	ug/L	MW-7	03/30/2021		120.0000		*

* - 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-7	09/08/2021	ND	20.0000		
Vanadium, total	ug/L	MW-7	03/31/2022		75.9000		*
Vanadium, total	ug/L	MW-7	08/30/2022	ND	20.0000		
Vanadium, total	ug/L	MW-7	03/07/2023	ND	20.0000		
Vanadium, total	ug/L	MW-7	09/28/2023	ND	20.0000		
Vanadium, total	ug/L	MW-7	03/11/2024	ND	20.0000		
Vanadium, total	ug/L	MW-7	10/02/2024	ND	20.0000		
Vanadium, total	ug/L	MW-7	03/06/2025	ND	20.0000		
Vanadium, total	ug/L	MW-7	09/16/2025	ND	2.0000		*
Zinc, total	ug/L	MW-7	03/15/2017		34.2000		
Zinc, total	ug/L	MW-7	05/09/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-7	09/27/2017		26.9000		
Zinc, total	ug/L	MW-7	12/13/2017	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-7	03/14/2018	ND	8.0000	20.0000	**
Zinc, total	ug/L	MW-7	09/12/2018		63.4000		
Zinc, total	ug/L	MW-7	04/01/2019		28.5000		
Zinc, total	ug/L	MW-7	09/12/2019		69.0000		
Zinc, total	ug/L	MW-7	05/06/2020	ND	20.0000		
Zinc, total	ug/L	MW-7	09/03/2020	ND	20.0000		
Zinc, total	ug/L	MW-7	03/30/2021		615.0000		*
Zinc, total	ug/L	MW-7	09/08/2021	ND	20.0000		
Zinc, total	ug/L	MW-7	03/31/2022		116.0000		*
Zinc, total	ug/L	MW-7	08/30/2022	ND	20.0000		
Zinc, total	ug/L	MW-7	03/07/2023	ND	20.0000		
Zinc, total	ug/L	MW-7	09/28/2023	ND	20.0000		
Zinc, total	ug/L	MW-7	03/11/2024	ND	20.0000		
Zinc, total	ug/L	MW-7	10/02/2024	ND	20.0000		
Zinc, total	ug/L	MW-7	03/06/2025	ND	20.0000		
Zinc, total	ug/L	MW-7	09/16/2025		8.5000		

* - 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 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, total	ug/L	AW-1	09/16/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	AW-1	09/16/2025	ND	2.0000		51.3000
Barium, total	ug/L	AW-1	09/16/2025		356.0000		569.0000
Beryllium, total	ug/L	AW-1	09/16/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	AW-1	09/16/2025	ND	0.2000		1.0000
Chromium, total	ug/L	AW-1	09/16/2025	ND	1.0000		16.5000
Cobalt, total	ug/L	AW-1	09/16/2025		4.9000		12.2000
Copper, total	ug/L	AW-1	09/16/2025	ND	5.0000		10.6000
Lead, total	ug/L	AW-1	09/16/2025	ND	1.0000		6.8000
Nickel, total	ug/L	AW-1	09/16/2025	ND	5.0000		43.5000
Selenium, total	ug/L	AW-1	09/16/2025	ND	2.0000	**	4.0000
Silver, total	ug/L	AW-1	09/16/2025	ND	5.0000		4.0000
Thallium, total	ug/L	AW-1	09/16/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	AW-1	09/16/2025	ND	2.0000		26.5000
Zinc, total	ug/L	AW-1	09/16/2025		10.7000		69.0000
Antimony, total	ug/L	AW-2	09/16/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	AW-2	09/16/2025		68.7000	*	51.3000
Barium, total	ug/L	AW-2	09/16/2025		148.0000		569.0000
Beryllium, total	ug/L	AW-2	09/16/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	AW-2	09/16/2025	ND	0.2000		1.0000
Chromium, total	ug/L	AW-2	09/16/2025	ND	1.0000		16.5000
Cobalt, total	ug/L	AW-2	09/16/2025		8.8000		12.2000
Copper, total	ug/L	AW-2	09/16/2025	ND	5.0000		10.6000
Lead, total	ug/L	AW-2	09/16/2025	ND	1.0000		6.8000
Nickel, total	ug/L	AW-2	09/16/2025		6.2000		43.5000
Selenium, total	ug/L	AW-2	09/16/2025	ND	2.0000		4.0000
Silver, total	ug/L	AW-2	09/16/2025	ND	5.0000		4.0000
Thallium, total	ug/L	AW-2	09/16/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	AW-2	09/16/2025	ND	2.0000		26.5000
Zinc, total	ug/L	AW-2	09/16/2025		16.5000		69.0000
Antimony, total	ug/L	AW-3	09/16/2025	ND	1.0000		2.0000
Arsenic, total	ug/L	AW-3	09/16/2025		36.3000		51.3000
Barium, total	ug/L	AW-3	09/16/2025		366.0000		569.0000
Beryllium, total	ug/L	AW-3	09/16/2025	ND	0.5000		4.0000
Cadmium, total	ug/L	AW-3	09/16/2025	ND	0.2000		1.0000
Chromium, total	ug/L	AW-3	09/16/2025	ND	1.0000		16.5000
Cobalt, total	ug/L	AW-3	09/16/2025		0.7000		12.2000
Copper, total	ug/L	AW-3	09/16/2025	ND	5.0000	**	10.6000
Lead, total	ug/L	AW-3	09/16/2025	ND	1.0000		6.8000
Nickel, total	ug/L	AW-3	09/16/2025	ND	5.0000		43.5000
Selenium, total	ug/L	AW-3	09/16/2025	ND	2.0000		4.0000
Silver, total	ug/L	AW-3	09/16/2025	ND	5.0000		4.0000
Thallium, total	ug/L	AW-3	09/16/2025	ND	0.5000		2.0000
Vanadium, total	ug/L	AW-3	09/16/2025	ND	2.0000		26.5000
Zinc, total	ug/L	AW-3	09/16/2025	ND	5.0000		69.0000
Antimony, total	ug/L	AW-9	09/28/2023	ND	2.0000		2.0000
Arsenic, total	ug/L	AW-9	09/16/2025	ND	2.0000		51.3000
Barium, total	ug/L	AW-9	09/28/2023		447.0000		569.0000
Beryllium, total	ug/L	AW-9	09/28/2023	ND	4.0000		4.0000

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 **** - 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
Cadmium, total	ug/L	AW-9	09/28/2023	ND	0.8000	1.0000
Chromium, total	ug/L	AW-9	09/28/2023	ND	8.0000	16.5000
Cobalt, total	ug/L	AW-9	09/16/2025		3.3000	12.2000
Copper, total	ug/L	AW-9	09/28/2023	ND	4.0000	10.6000
Lead, total	ug/L	AW-9	09/28/2023	ND	4.0000	6.8000
Nickel, total	ug/L	AW-9	09/28/2023	ND	4.0000	43.5000
Selenium, total	ug/L	AW-9	09/28/2023	ND	4.0000	4.0000
Silver, total	ug/L	AW-9	09/28/2023	ND	4.0000	4.0000
Thallium, total	ug/L	AW-9	09/28/2023	ND	2.0000	2.0000
Vanadium, total	ug/L	AW-9	09/28/2023	ND	20.0000	26.5000
Zinc, total	ug/L	AW-9	09/28/2023	ND	20.0000	69.0000
Antimony, total	ug/L	GU-L	09/16/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	GU-L	09/16/2025	ND	2.0000	51.3000
Barium, total	ug/L	GU-L	09/16/2025		104.0000	569.0000
Beryllium, total	ug/L	GU-L	09/16/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	GU-L	09/16/2025	ND	0.2000	1.0000
Chromium, total	ug/L	GU-L	09/16/2025	ND	1.0000	16.5000
Cobalt, total	ug/L	GU-L	09/16/2025		1.1000	12.2000
Copper, total	ug/L	GU-L	09/16/2025	ND	5.0000	10.6000
Lead, total	ug/L	GU-L	09/16/2025	ND	1.0000	6.8000
Nickel, total	ug/L	GU-L	09/16/2025		34.0000	43.5000
Selenium, total	ug/L	GU-L	09/16/2025	ND	2.0000	4.0000
Silver, total	ug/L	GU-L	09/16/2025	ND	5.0000	4.0000
Thallium, total	ug/L	GU-L	09/16/2025	ND	0.5000	2.0000
Vanadium, total	ug/L	GU-L	09/16/2025	ND	2.0000	26.5000
Zinc, total	ug/L	GU-L	09/16/2025	ND	5.0000	69.0000
Antimony, total	ug/L	MW-12	09/16/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-12	09/16/2025	ND	2.0000	51.3000
Barium, total	ug/L	MW-12	09/16/2025		121.0000	569.0000
Beryllium, total	ug/L	MW-12	09/16/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-12	09/16/2025	ND	0.2000	1.0000
Chromium, total	ug/L	MW-12	09/16/2025		1.1000	16.5000
Cobalt, total	ug/L	MW-12	09/16/2025		0.9000	12.2000
Copper, total	ug/L	MW-12	09/16/2025	ND	5.0000	10.6000
Lead, total	ug/L	MW-12	09/16/2025	ND	1.0000	6.8000
Nickel, total	ug/L	MW-12	09/16/2025		19.5000	43.5000
Selenium, total	ug/L	MW-12	09/16/2025	ND	2.0000	4.0000
Silver, total	ug/L	MW-12	09/16/2025	ND	5.0000	4.0000
Thallium, total	ug/L	MW-12	09/16/2025	ND	0.5000	2.0000
Vanadium, total	ug/L	MW-12	09/16/2025	ND	2.0000	26.5000
Zinc, total	ug/L	MW-12	09/16/2025		12.3000	69.0000
Antimony, total	ug/L	MW-14	09/16/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-14	09/16/2025	ND	2.0000	51.3000
Barium, total	ug/L	MW-14	09/16/2025		366.0000	569.0000
Beryllium, total	ug/L	MW-14	09/16/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-14	09/16/2025	ND	0.2000	1.0000
Chromium, total	ug/L	MW-14	09/16/2025		1.1000	16.5000
Cobalt, total	ug/L	MW-14	09/16/2025	ND	0.5000	12.2000
Copper, total	ug/L	MW-14	09/16/2025	ND	5.0000	10.6000

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 ***** - 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
Lead, total	ug/L	MW-14	09/16/2025	ND	1.0000	6.8000
Nickel, total	ug/L	MW-14	09/16/2025		5.9000	43.5000
Selenium, total	ug/L	MW-14	09/16/2025	ND	2.0000	4.0000
Silver, total	ug/L	MW-14	09/16/2025	ND	5.0000	4.0000
Thallium, total	ug/L	MW-14	09/16/2025	ND	0.5000	2.0000
Vanadium, total	ug/L	MW-14	09/16/2025	ND	2.0000	26.5000
Zinc, total	ug/L	MW-14	09/16/2025		31.1000	69.0000
Antimony, total	ug/L	MW-20	09/16/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-20	09/16/2025		28.4000	51.3000
Barium, total	ug/L	MW-20	09/16/2025		345.0000	569.0000
Beryllium, total	ug/L	MW-20	09/16/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-20	09/16/2025	ND	0.2000	1.0000
Chromium, total	ug/L	MW-20	09/16/2025		1.0000	16.5000
Cobalt, total	ug/L	MW-20	09/16/2025	ND	0.5000	12.2000
Copper, total	ug/L	MW-20	09/16/2025	ND	5.0000	10.6000
Lead, total	ug/L	MW-20	09/16/2025	ND	1.0000	6.8000
Nickel, total	ug/L	MW-20	09/16/2025	ND	5.0000	43.5000
Selenium, total	ug/L	MW-20	09/16/2025	ND	2.0000	4.0000
Silver, total	ug/L	MW-20	09/16/2025	ND	5.0000	4.0000
Thallium, total	ug/L	MW-20	09/16/2025	ND	0.5000	2.0000
Vanadium, total	ug/L	MW-20	09/16/2025		2.5000	26.5000
Zinc, total	ug/L	MW-20	09/16/2025		5.3000	69.0000
Antimony, total	ug/L	MW-24	09/16/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-24	09/16/2025		5.5000	51.3000
Barium, total	ug/L	MW-24	09/16/2025		419.0000	569.0000
Beryllium, total	ug/L	MW-24	09/16/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-24	09/16/2025		0.2000	1.0000
Chromium, total	ug/L	MW-24	09/16/2025		1.6000	16.5000
Cobalt, total	ug/L	MW-24	09/16/2025		9.2000	12.2000
Copper, total	ug/L	MW-24	09/16/2025	ND	5.0000	10.6000
Lead, total	ug/L	MW-24	09/16/2025	ND	1.0000	6.8000
Nickel, total	ug/L	MW-24	09/16/2025		31.8000	43.5000
Selenium, total	ug/L	MW-24	09/16/2025	ND	2.0000	4.0000
Silver, total	ug/L	MW-24	09/16/2025	ND	5.0000	4.0000
Thallium, total	ug/L	MW-24	09/16/2025	ND	0.5000	2.0000
Vanadium, total	ug/L	MW-24	09/16/2025	ND	2.0000	26.5000
Zinc, total	ug/L	MW-24	09/16/2025		18.9000	69.0000
Antimony, total	ug/L	MW-25	09/16/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-25	09/16/2025	ND	2.0000	51.3000
Barium, total	ug/L	MW-25	09/16/2025		19.4000	569.0000
Beryllium, total	ug/L	MW-25	09/16/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-25	09/16/2025	ND	0.2000	1.0000
Chromium, total	ug/L	MW-25	09/16/2025		1.4000	16.5000
Cobalt, total	ug/L	MW-25	09/16/2025	ND	0.5000	12.2000
Copper, total	ug/L	MW-25	09/16/2025	ND	5.0000	10.6000
Lead, total	ug/L	MW-25	09/16/2025	ND	1.0000	6.8000
Nickel, total	ug/L	MW-25	09/16/2025	ND	5.0000	43.5000
Selenium, total	ug/L	MW-25	09/16/2025	ND	2.0000	4.0000
Silver, total	ug/L	MW-25	09/16/2025	ND	5.0000	4.0000

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 **** - 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-25	09/16/2025	ND	0.5000	2.0000
Vanadium, total	ug/L	MW-25	09/16/2025	ND	2.0000	26.5000
Zinc, total	ug/L	MW-25	09/16/2025		20.4000	69.0000
Antimony, total	ug/L	MW-41	09/16/2025	ND	1.0000	2.0000
Arsenic, total	ug/L	MW-41	09/16/2025	ND	2.0000	51.3000
Barium, total	ug/L	MW-41	09/16/2025		361.0000	569.0000
Beryllium, total	ug/L	MW-41	09/16/2025	ND	0.5000	4.0000
Cadmium, total	ug/L	MW-41	09/16/2025	ND	0.2000	1.0000
Chromium, total	ug/L	MW-41	09/16/2025	ND	1.0000	16.5000
Cobalt, total	ug/L	MW-41	09/16/2025		1.7000	12.2000
Copper, total	ug/L	MW-41	09/16/2025	ND	5.0000	10.6000
Lead, total	ug/L	MW-41	09/16/2025	ND	1.0000	6.8000
Nickel, total	ug/L	MW-41	09/16/2025	ND	5.0000	43.5000
Selenium, total	ug/L	MW-41	09/16/2025	ND	2.0000	4.0000
Silver, total	ug/L	MW-41	09/16/2025	ND	5.0000	4.0000
Thallium, total	ug/L	MW-41	09/16/2025	ND	0.5000	2.0000
Vanadium, total	ug/L	MW-41	09/16/2025	ND	2.0000	26.5000
Zinc, total	ug/L	MW-41	09/16/2025		15.4000	69.0000

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 **** - 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	89	0.000	5	261	0.019
Arsenic, total	17	87	0.195	162	280	0.579
Barium, total	90	90	1.000	271	271	1.000
Beryllium, total	0	86	0.000	11	265	0.042
Cadmium, total	2	86	0.023	21	265	0.079
Chromium, total	2	83	0.024	9	262	0.034
Cobalt, total	30	85	0.353	171	278	0.615
Copper, total	6	83	0.072	31	265	0.117
Lead, total	6	84	0.071	36	266	0.135
Nickel, total	19	86	0.221	151	267	0.566
Selenium, total	0	88	0.000	3	261	0.011
Silver, total	0	85	0.000	0	260	0.000
Thallium, total	0	86	0.000	0	260	0.000
Vanadium, total	2	84	0.024	17	262	0.065
Zinc, total	19	90	0.211	104	270	0.385

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	89	0.000									nonpar
Arsenic, total	17	87	0.195	3.323	1.100					2.326	lognor	nonpar
Barium, total	90	90	1.000	5.780	3.126					2.326	non-norm	nonpar
Beryllium, total	0	86	0.000									nonpar
Cadmium, total	2	86	0.023									nonpar
Chromium, total	2	83	0.024									nonpar
Cobalt, total	30	85	0.353	0.069	1.762					2.326	normal	nonpar
Copper, total	6	83	0.072	0.883	0.533					2.326	normal	nonpar
Lead, total	6	84	0.071	1.740	1.271					2.326	normal	nonpar
Nickel, total	19	86	0.221	1.485	0.461					2.326	normal	nonpar
Selenium, total	0	88	0.000									nonpar
Silver, total	0	85	0.000									nonpar
Thallium, total	0	86	0.000									nonpar
Vanadium, total	2	84	0.024									nonpar
Zinc, total	19	90	0.211	1.004	0.389					2.326	normal	nonpar

* - Distribution override for that constituent.

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

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

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Antimony, total	ug/L	0	89					2.0000	nonpar	***	0.99
Arsenic, total	ug/L	17	87					51.3000	nonpar		0.99
Barium, total	ug/L	90	90					569.0000	nonpar		0.99
Beryllium, total	ug/L	0	86					4.0000	nonpar	***	0.99
Cadmium, total	ug/L	2	86					1.0000	nonpar		0.99
Chromium, total	ug/L	2	83					16.5000	nonpar		0.99
Cobalt, total	ug/L	30	85					12.2000	nonpar		0.99
Copper, total	ug/L	6	83					10.6000	nonpar		0.99
Lead, total	ug/L	6	84					6.8000	nonpar		0.99
Nickel, total	ug/L	19	86					43.5000	nonpar		0.99
Selenium, total	ug/L	0	88					4.0000	nonpar	***	0.99
Silver, total	ug/L	0	85					4.0000	nonpar	***	0.99
Thallium, total	ug/L	0	86					2.0000	nonpar	***	0.99
Vanadium, total	ug/L	2	84					26.5000	nonpar		0.99
Zinc, total	ug/L	19	90					69.0000	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
5% Significance Level**

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Beryllium, total	ug/L	MW-26	09/16/2025	0.5000	< 0.5000	10/31/2016-09/16/2025	19	0.4621
Cadmium, total	ug/L	MW-26	09/16/2025	0.2000	< 0.2000	10/31/2016-09/16/2025	19	0.4621
Chromium, total	ug/L	MW-26	09/16/2025	1.4000		10/31/2016-09/16/2025	19	0.4621
Cobalt, total	ug/L	MW-26	03/14/2018	2.0000	< 2.0000	10/31/2016-09/16/2025	19	0.4621
Lead, total	ug/L	MW-26	09/16/2025	1.0000	< 1.0000	10/31/2016-09/16/2025	19	0.4621
Thallium, total	ug/L	MW-26	09/16/2025	0.5000	< 0.5000	10/31/2016-09/16/2025	19	0.4621
Vanadium, total	ug/L	MW-26	09/16/2025	2.0000	< 2.0000	10/31/2016-09/16/2025	19	0.4621
Beryllium, total	ug/L	MW-27	09/16/2025	0.5000	< 0.5000	10/31/2016-09/16/2025	19	0.4621
Cadmium, total	ug/L	MW-27	09/16/2025	0.2000	< 0.2000	10/31/2016-09/16/2025	19	0.4621
Chromium, total	ug/L	MW-27	09/16/2025	1.0000		10/31/2016-09/16/2025	19	0.4621
Lead, total	ug/L	MW-27	09/16/2025	1.0000	< 1.0000	10/31/2016-09/16/2025	19	0.4621
Thallium, total	ug/L	MW-27	09/16/2025	0.5000	< 0.5000	10/31/2016-09/16/2025	19	0.4621
Vanadium, total	ug/L	MW-27	09/16/2025	2.0000	< 2.0000	10/31/2016-09/16/2025	19	0.4621
Chromium, total	ug/L	MW-6	09/16/2025	1.1000		10/20/2014-09/16/2025	21	0.4398
Cobalt, total	ug/L	MW-6	10/20/2014	7.4300		10/20/2014-09/16/2025	21	0.4501
Cobalt, total	ug/L	MW-6	03/07/2023	11.4000		10/20/2014-09/16/2025	21	0.4501
Copper, total	ug/L	MW-6	03/11/2024	15.0000		10/20/2014-09/16/2025	20	0.4501
Silver, total	ug/L	MW-6	10/20/2014	20.0000	< 20.0000	10/20/2014-09/16/2025	21	0.4398
Silver, total	ug/L	MW-6	06/23/2015	1.0000	< 1.0000	10/20/2014-09/16/2025	21	0.4501
Silver, total	ug/L	MW-6	11/13/2015	1.0000	< 1.0000	10/20/2014-09/16/2025	21	0.4501
Silver, total	ug/L	MW-6	04/11/2016	1.0000	< 1.0000	10/20/2014-09/16/2025	21	0.4501
Arsenic, total	ug/L	MW-7	09/12/2019	13.9000		03/15/2017-09/16/2025	18	0.4891
Arsenic, total	ug/L	MW-7	03/31/2022	18.6000		03/15/2017-09/16/2025	18	0.4891
Beryllium, total	ug/L	MW-7	09/16/2025	0.5000	< 0.5000	03/15/2017-09/16/2025	18	0.4746
Cadmium, total	ug/L	MW-7	09/16/2025	0.2000	< 0.2000	03/15/2017-09/16/2025	18	0.4746
Chromium, total	ug/L	MW-7	09/16/2025	1.0000	< 1.0000	03/15/2017-09/16/2025	16	0.5054
Copper, total	ug/L	MW-7	03/15/2017	13.7000		03/15/2017-09/16/2025	16	0.5240
Copper, total	ug/L	MW-7	09/12/2018	12.7000		03/15/2017-09/16/2025	16	0.5240
Lead, total	ug/L	MW-7	09/16/2025	1.0000	< 1.0000	03/15/2017-09/16/2025	16	0.5054
Nickel, total	ug/L	MW-7	03/15/2017	19.0000		03/15/2017-09/16/2025	17	0.5054
Nickel, total	ug/L	MW-7	09/12/2018	17.4000		03/15/2017-09/16/2025	17	0.5054
Thallium, total	ug/L	MW-7	09/16/2025	0.5000	< 0.5000	03/15/2017-09/16/2025	18	0.4746
Vanadium, total	ug/L	MW-7	09/16/2025	2.0000	< 2.0000	03/15/2017-09/16/2025	16	0.5054

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

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

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

Table 8

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

Constituent	Units	Well	Date		Result	Pred. Limit
Arsenic, total	ug/L	AW-2	09/27/2017		37.4000	51.3000
Arsenic, total	ug/L	AW-2	03/14/2018		54.5000 *	51.3000
Arsenic, total	ug/L	AW-2	06/05/2018		50.2000	51.3000
Arsenic, total	ug/L	AW-2	09/12/2018		46.8000	51.3000
Arsenic, total	ug/L	AW-2	04/01/2019		66.6000 *	51.3000
Arsenic, total	ug/L	AW-2	09/12/2019		62.9000 *	51.3000
Arsenic, total	ug/L	AW-2	05/06/2020		69.2000 *	51.3000
Arsenic, total	ug/L	AW-2	09/03/2020		55.7000 *	51.3000
Arsenic, total	ug/L	AW-2	03/30/2021		38.3000	51.3000
Arsenic, total	ug/L	AW-2	09/08/2021		26.4000	51.3000
Arsenic, total	ug/L	AW-2	03/31/2022		26.7000	51.3000
Arsenic, total	ug/L	AW-2	08/30/2022		41.7000	51.3000
Arsenic, total	ug/L	AW-2	03/07/2023		40.5000	51.3000
Arsenic, total	ug/L	AW-2	09/28/2023		36.4000	51.3000
Arsenic, total	ug/L	AW-2	03/11/2024		27.7000	51.3000
Arsenic, total	ug/L	AW-2	10/02/2024		48.1000	51.3000
Arsenic, total	ug/L	AW-2	03/06/2025		36.1000	51.3000
Arsenic, total	ug/L	AW-2	09/16/2025		68.7000 *	51.3000
Copper, total	ug/L	AW-3	08/05/2010	ND	20.0000	10.6000
Copper, total	ug/L	AW-3	09/29/2010		54.8000 *	10.6000
Copper, total	ug/L	AW-3	03/24/2011	ND	20.0000	10.6000
Copper, total	ug/L	AW-3	07/19/2011	ND	20.0000	10.6000
Copper, total	ug/L	AW-3	09/14/2011	ND	20.0000	10.6000
Copper, total	ug/L	AW-3	12/26/2011	ND	20.0000	10.6000
Copper, total	ug/L	AW-3	03/20/2012	ND	20.0000	10.6000
Copper, total	ug/L	AW-3	10/15/2012	ND	20.0000	10.6000
Copper, total	ug/L	AW-3	03/15/2013	ND	20.0000	10.6000
Copper, total	ug/L	AW-3	09/07/2013	ND	20.0000	10.6000
Copper, total	ug/L	AW-3	03/17/2014	ND	20.0000	10.6000
Copper, total	ug/L	AW-3	10/20/2014	ND	20.0000	10.6000
Copper, total	ug/L	AW-3	06/23/2015	ND	2.0000	10.6000
Copper, total	ug/L	AW-3	11/13/2015	ND	2.0000	10.6000
Copper, total	ug/L	AW-3	04/11/2016	ND	5.0000	10.6000
Copper, total	ug/L	AW-3	09/16/2016	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	03/15/2017	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	09/27/2017	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	03/14/2018	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	09/12/2018	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	04/01/2019		4.1000	10.6000
Copper, total	ug/L	AW-3	09/12/2019		5.1000	10.6000
Copper, total	ug/L	AW-3	05/06/2020	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	09/03/2020	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	03/30/2021	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	09/08/2021	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	03/31/2022	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	08/30/2022	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	03/07/2023	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	09/28/2023	ND	4.0000	10.6000

* - Significantly increased over background.

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

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

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

Constituent	Units	Well	Date		Result	Pred. Limit
Copper, total	ug/L	AW-3	03/11/2024		6.1000	10.6000
Copper, total	ug/L	AW-3	10/02/2024	ND	4.0000	10.6000
Copper, total	ug/L	AW-3	03/06/2025		18.7000 *	10.6000
Copper, total	ug/L	AW-3	09/16/2025	ND	5.0000	10.6000
Nickel, total	ug/L	GU-L	08/15/2025		50.7000 *	43.5000
Nickel, total	ug/L	GU-L	09/16/2025		34.0000	43.5000
Selenium, total	ug/L	AW-1	08/05/2010	ND	5.0000	4.0000
Selenium, total	ug/L	AW-1	09/29/2010	ND	5.0000	4.0000
Selenium, total	ug/L	AW-1	03/24/2011	ND	5.0000	4.0000
Selenium, total	ug/L	AW-1	09/14/2011	ND	5.0000	4.0000
Selenium, total	ug/L	AW-1	12/26/2011	ND	5.0000	4.0000
Selenium, total	ug/L	AW-1	03/20/2012	ND	5.0000	4.0000
Selenium, total	ug/L	AW-1	10/15/2012	ND	5.0000	4.0000
Selenium, total	ug/L	AW-1	03/15/2013	ND	5.0000	4.0000
Selenium, total	ug/L	AW-1	09/07/2013	ND	5.0000	4.0000
Selenium, total	ug/L	AW-1	03/17/2014		10.4000 *	4.0000
Selenium, total	ug/L	AW-1	10/20/2014	ND	5.0000	4.0000
Selenium, total	ug/L	AW-1	03/11/2024	ND	4.0000	4.0000
Selenium, total	ug/L	AW-1	10/02/2024	ND	4.0000	4.0000
Selenium, total	ug/L	AW-1	03/06/2025		47.7000 *	4.0000
Selenium, total	ug/L	AW-1	05/22/2025		5.4000 *	4.0000
Selenium, total	ug/L	AW-1	09/16/2025	ND	2.0000	4.0000
Arsenic, total	ug/L	AW-2	08/05/2010		9.7200	51.3000
Arsenic, total	ug/L	AW-2	09/29/2010		10.5000	51.3000
Arsenic, total	ug/L	AW-2	03/24/2011		7.0500	51.3000
Arsenic, total	ug/L	AW-2	07/19/2011		8.5200	51.3000
Arsenic, total	ug/L	AW-2	09/14/2011		6.9300	51.3000
Arsenic, total	ug/L	AW-2	12/26/2011		16.1000	51.3000
Arsenic, total	ug/L	AW-2	03/20/2012		15.6000	51.3000
Arsenic, total	ug/L	AW-2	10/15/2012		4.6400	51.3000
Arsenic, total	ug/L	AW-2	03/15/2013		19.1000	51.3000
Arsenic, total	ug/L	AW-2	09/07/2013		9.9200	51.3000
Arsenic, total	ug/L	AW-2	03/17/2014		8.7100	51.3000
Arsenic, total	ug/L	AW-2	10/20/2014	ND	1.0000	51.3000
Arsenic, total	ug/L	AW-2	06/23/2015		43.2000	51.3000
Arsenic, total	ug/L	AW-2	11/12/2015		48.4000	51.3000
Arsenic, total	ug/L	AW-2	04/11/2016		62.0000 *	51.3000
Arsenic, total	ug/L	AW-2	09/16/2016		50.5000	51.3000
Arsenic, total	ug/L	AW-2	03/15/2017		49.4000	51.3000

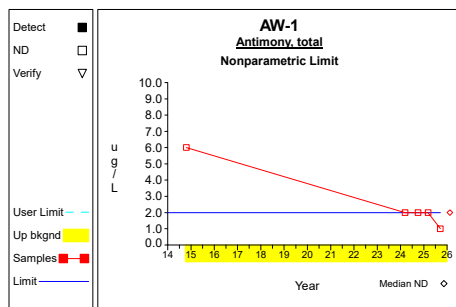
* - Significantly increased over background.

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

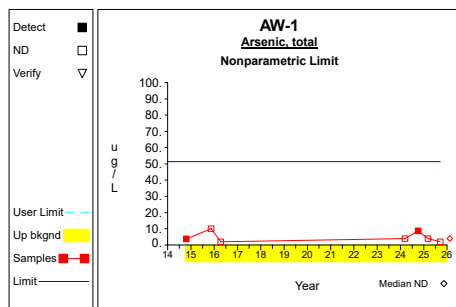
*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

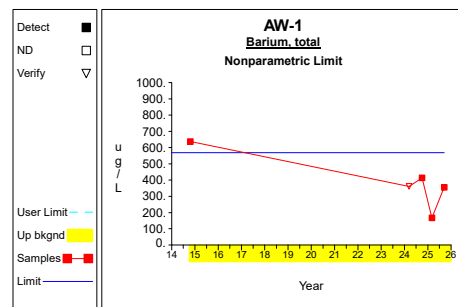
Up vs. Down Prediction Limits



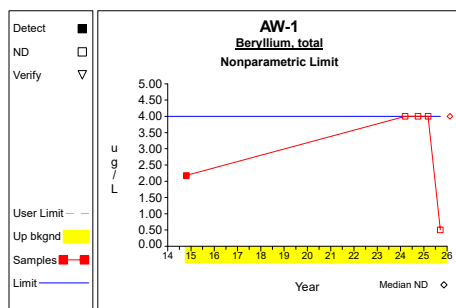
Graph 1



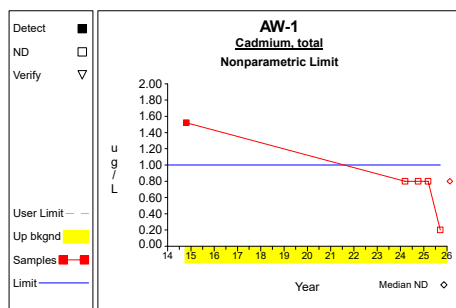
Graph 2



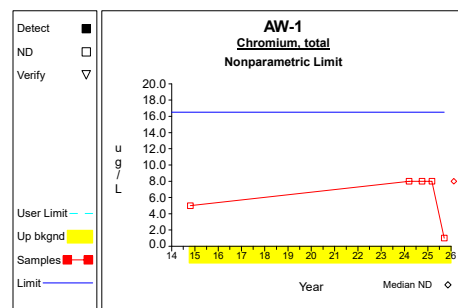
Graph 3



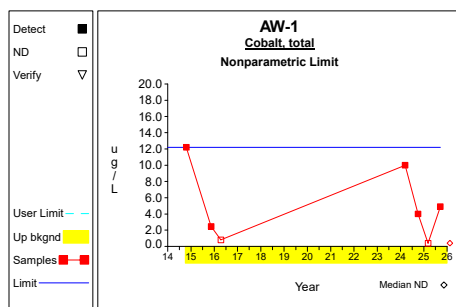
Graph 4



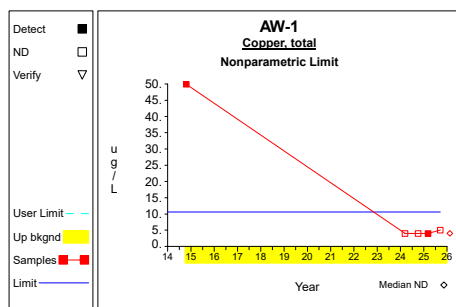
Graph 5



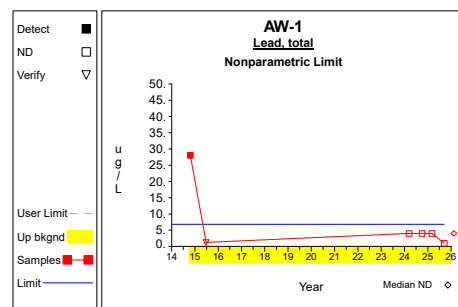
Graph 6



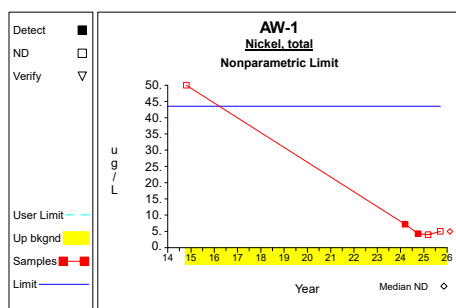
Graph 7



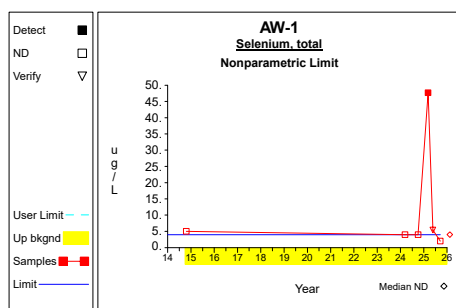
Graph 8



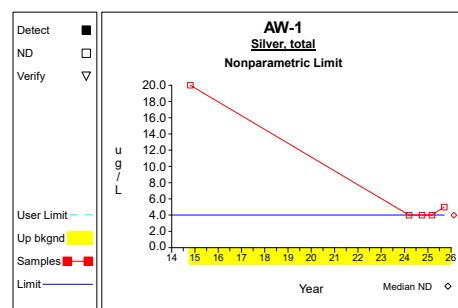
Graph 9



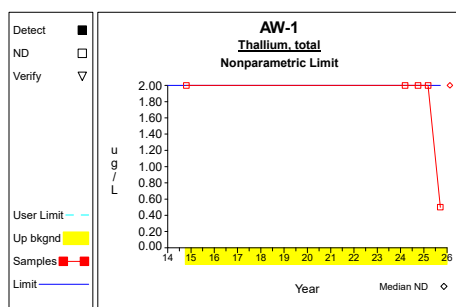
Graph 10



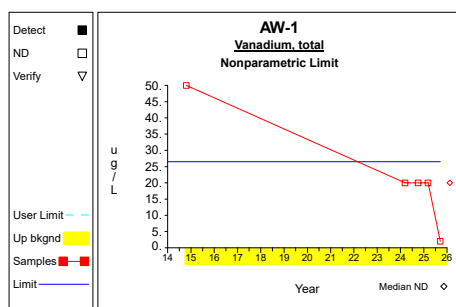
Graph 11



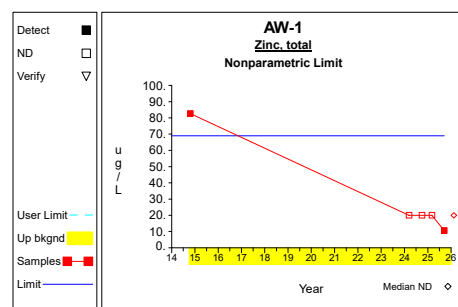
Graph 12



Graph 13

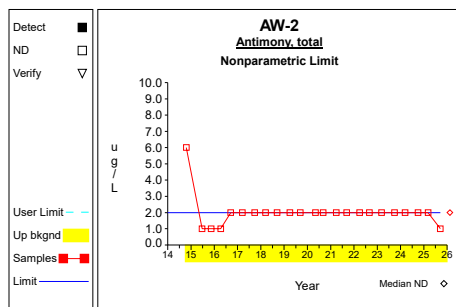


Graph 14

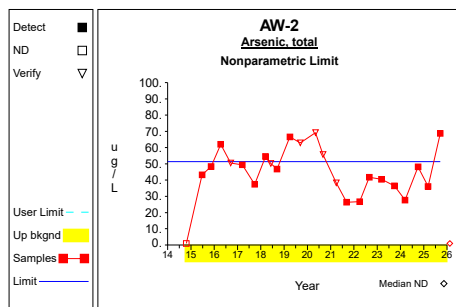


Graph 15

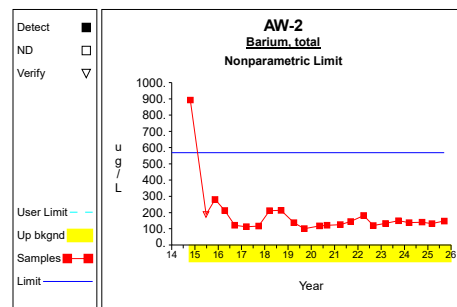
Up vs. Down Prediction Limits



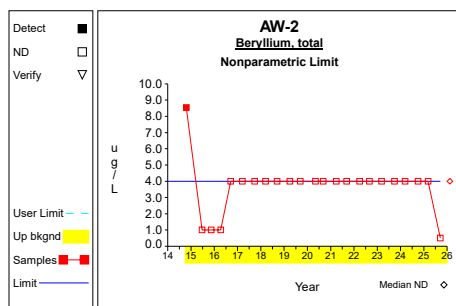
Graph 16



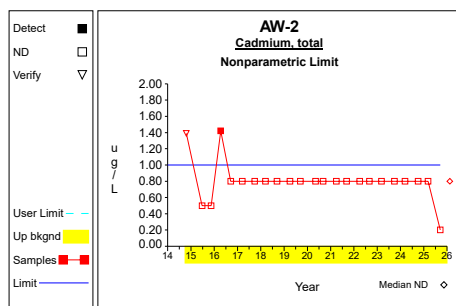
Graph 17



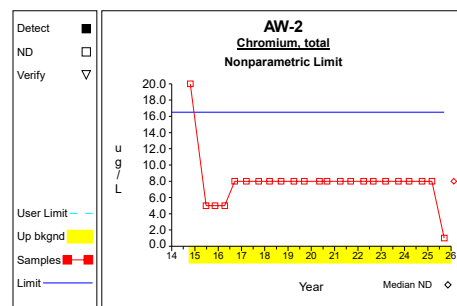
Graph 18



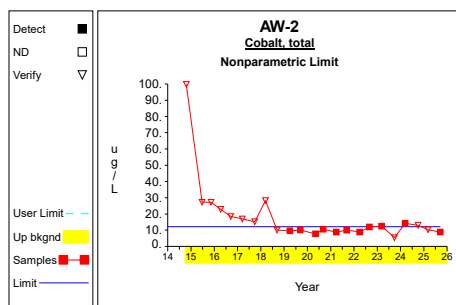
Graph 19



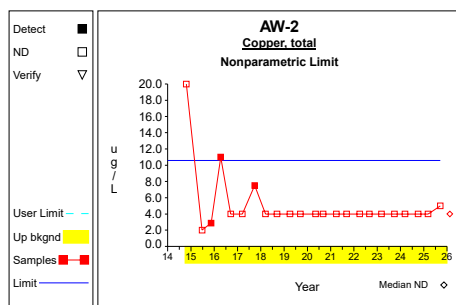
Graph 20



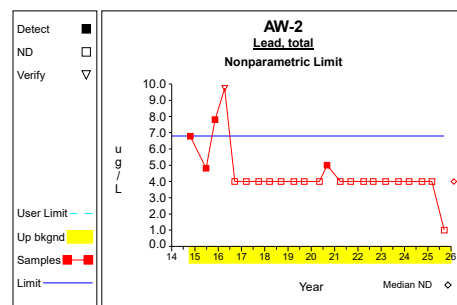
Graph 21



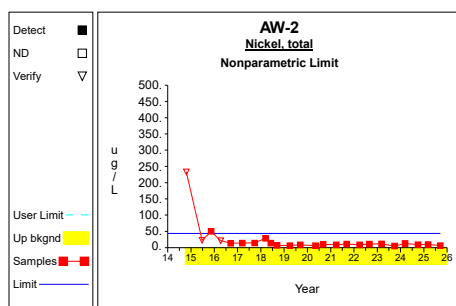
Graph 22



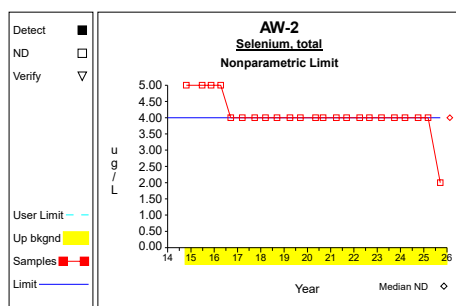
Graph 23



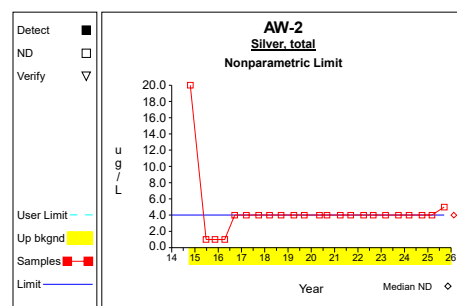
Graph 24



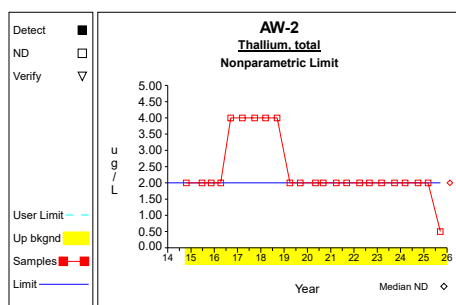
Graph 25



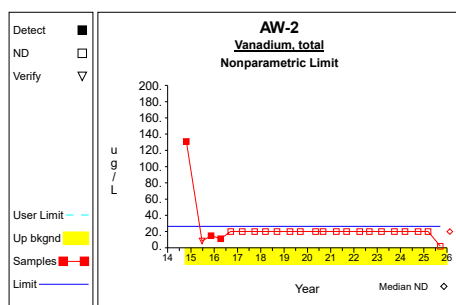
Graph 26



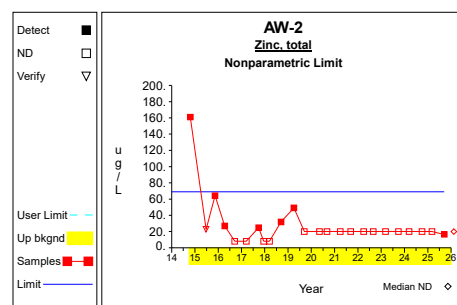
Graph 27



Graph 28

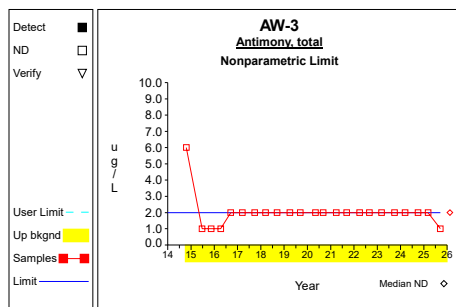


Graph 29

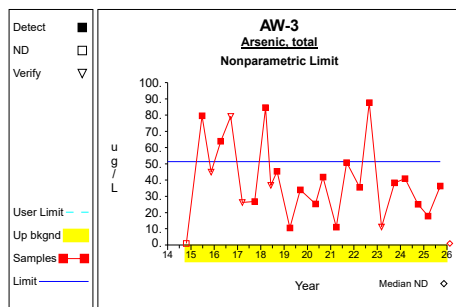


Graph 30

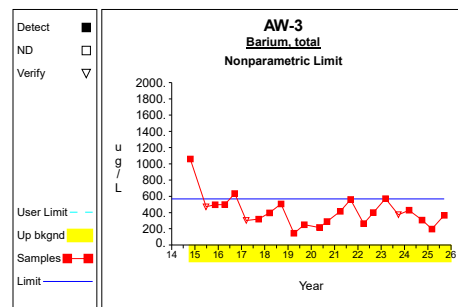
Up vs. Down Prediction Limits



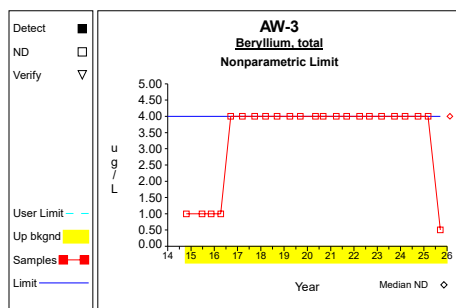
Graph 31



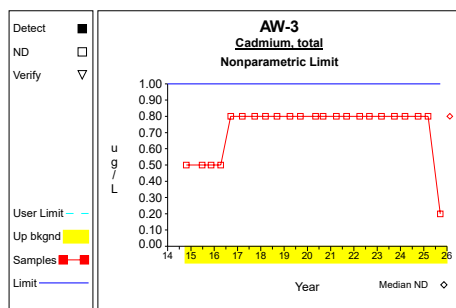
Graph 32



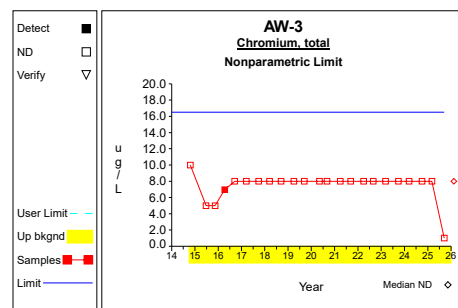
Graph 33



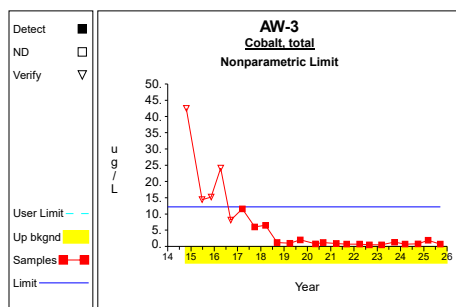
Graph 34



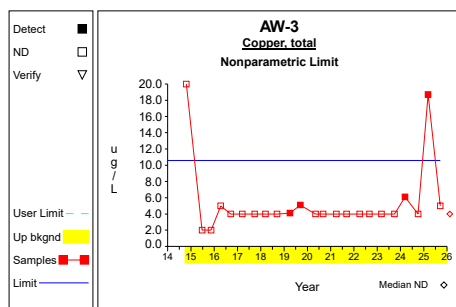
Graph 35



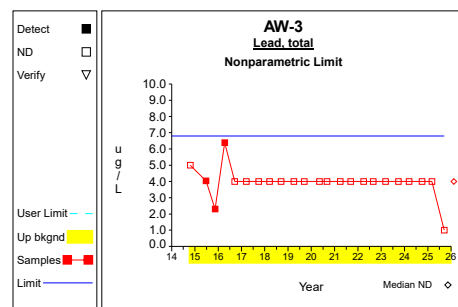
Graph 36



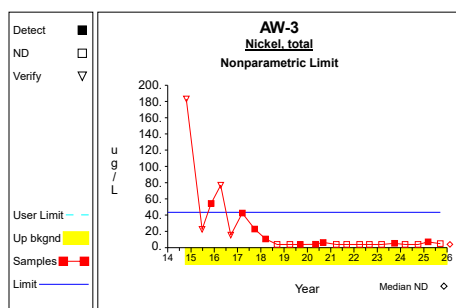
Graph 37



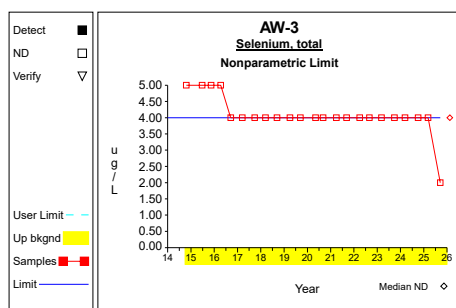
Graph 38



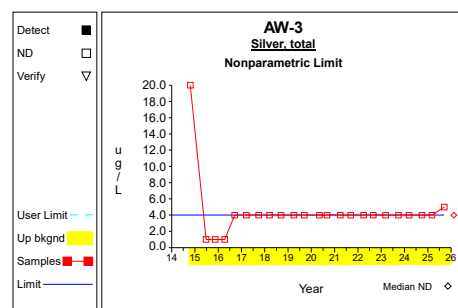
Graph 39



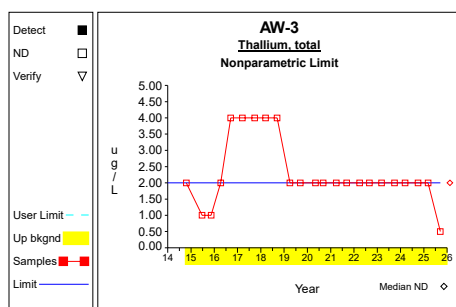
Graph 40



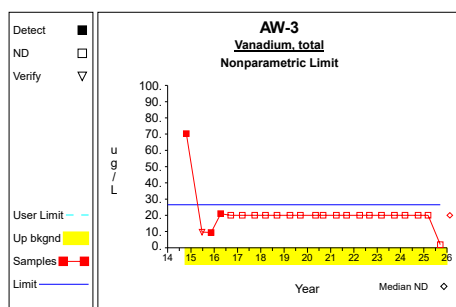
Graph 41



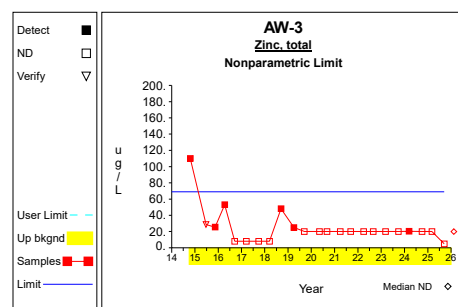
Graph 42



Graph 43

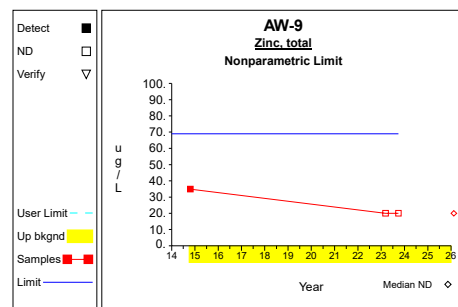
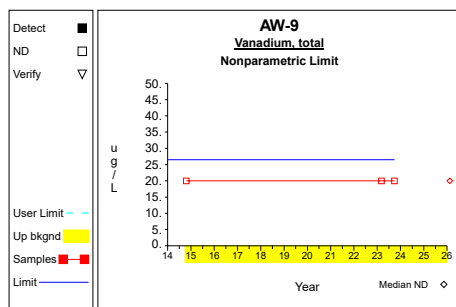
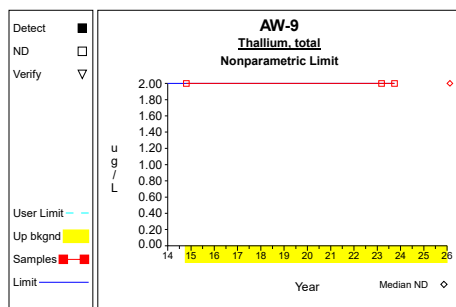
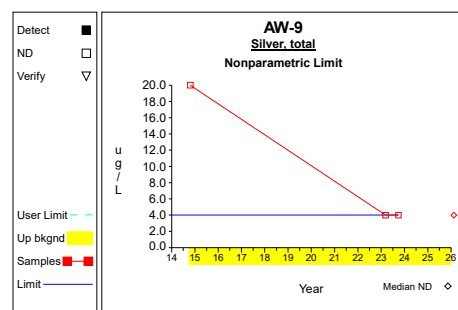
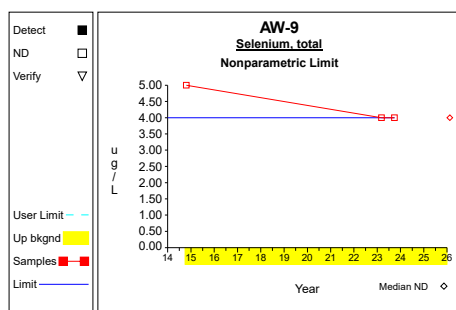
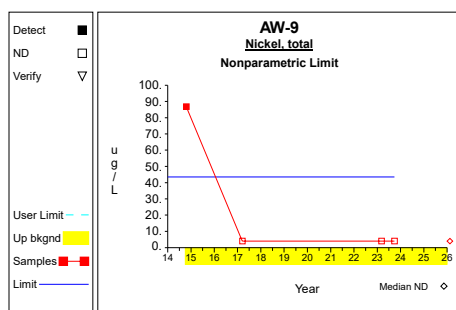
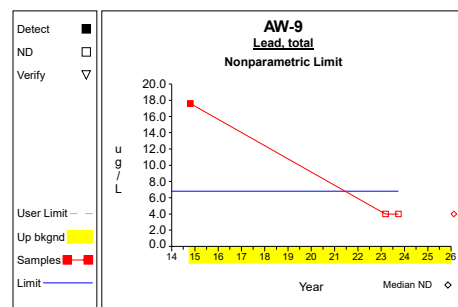
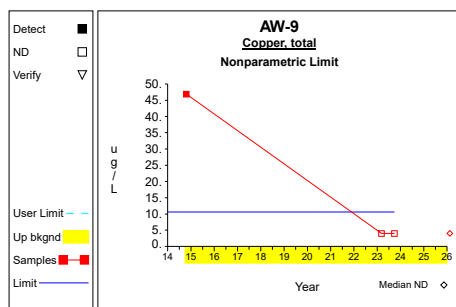
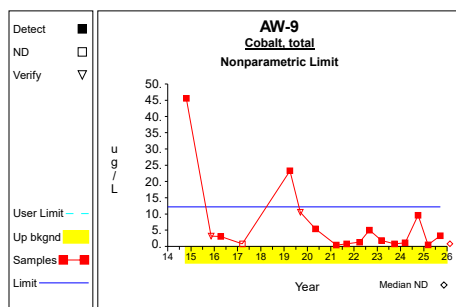
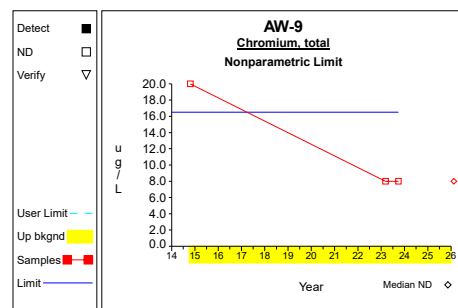
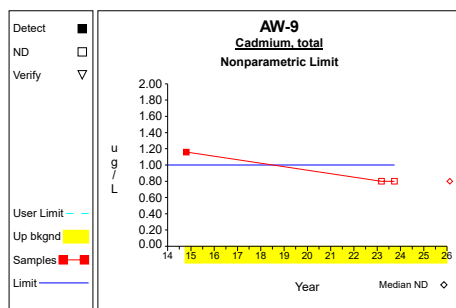
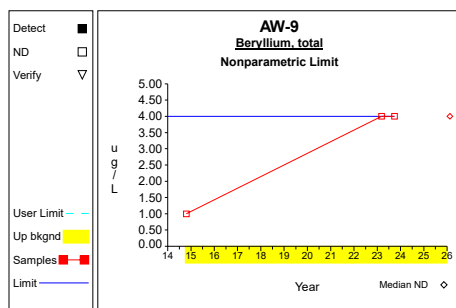
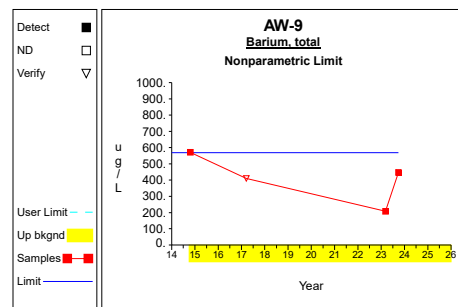
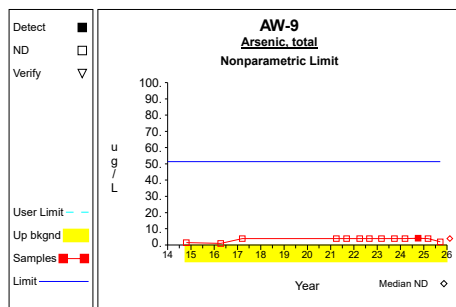
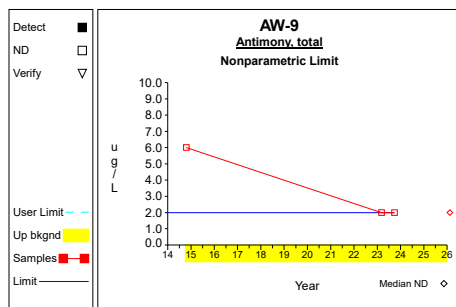


Graph 44

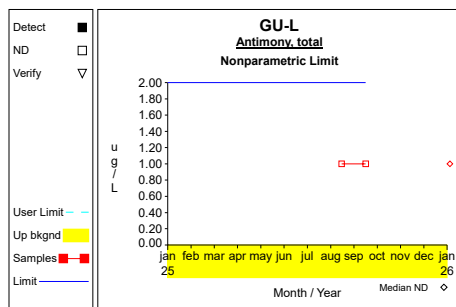


Graph 45

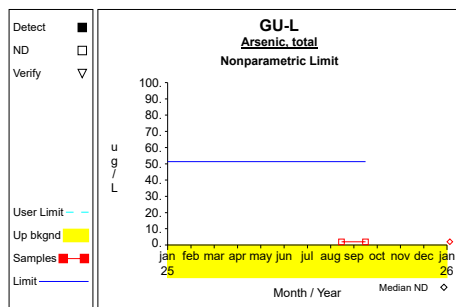
Up vs. Down Prediction Limits



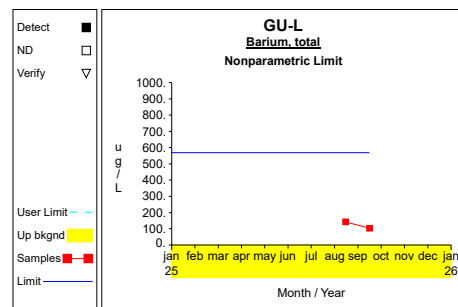
Up vs. Down Prediction Limits



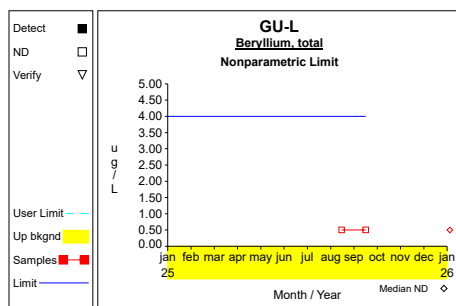
Graph 61



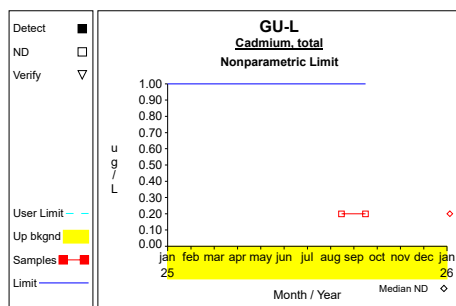
Graph 62



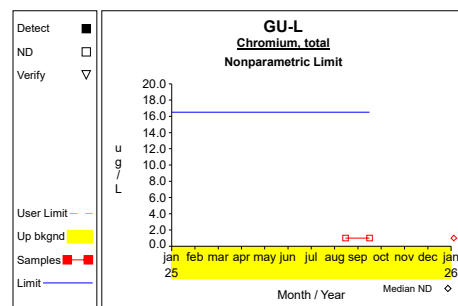
Graph 63



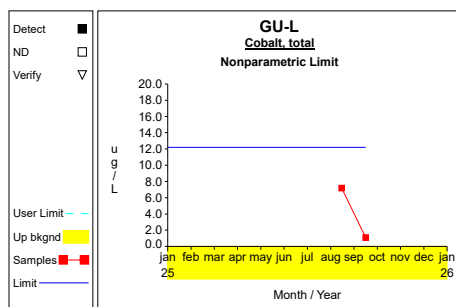
Graph 64



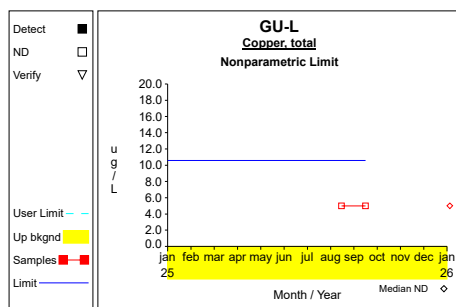
Graph 65



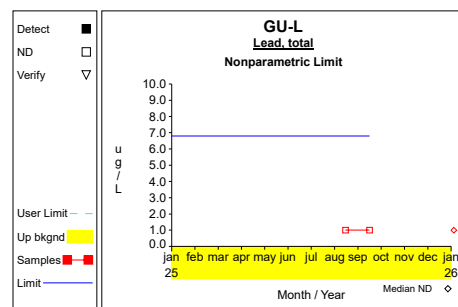
Graph 66



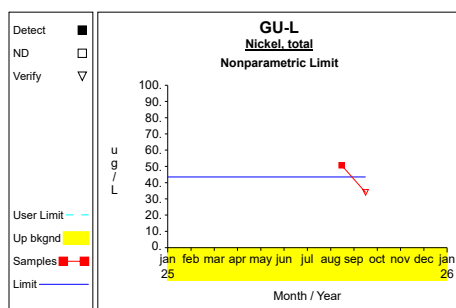
Graph 67



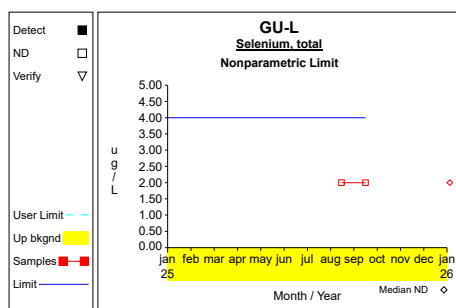
Graph 68



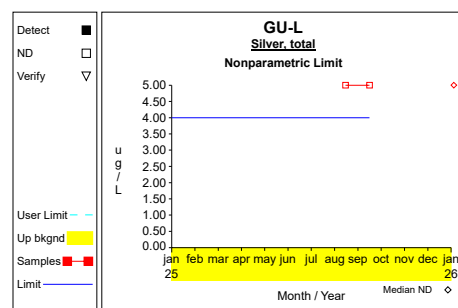
Graph 69



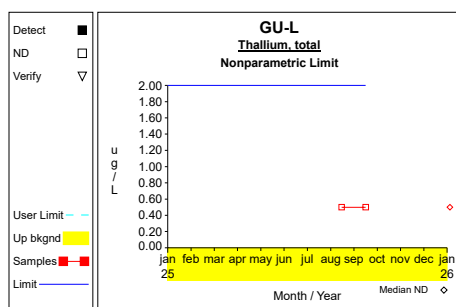
Graph 70



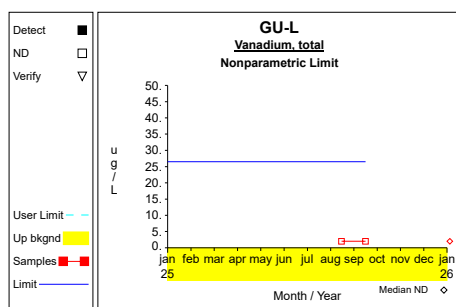
Graph 71



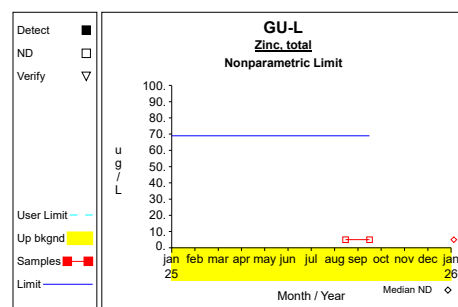
Graph 72



Graph 73

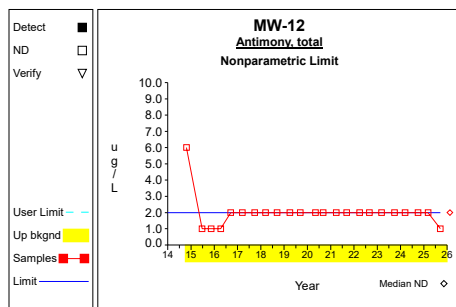


Graph 74

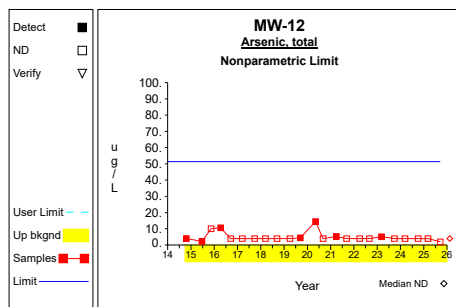


Graph 75

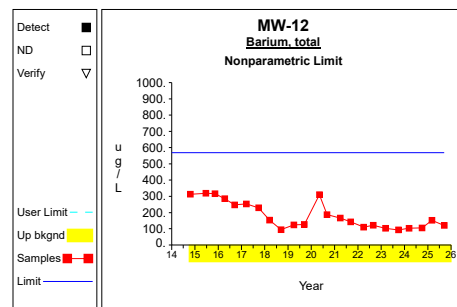
Up vs. Down Prediction Limits



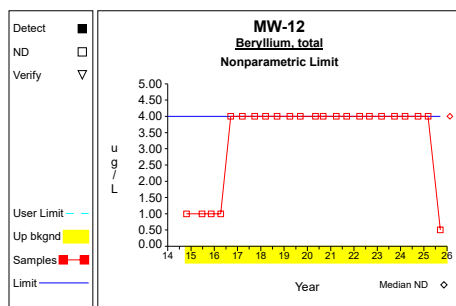
Graph 76



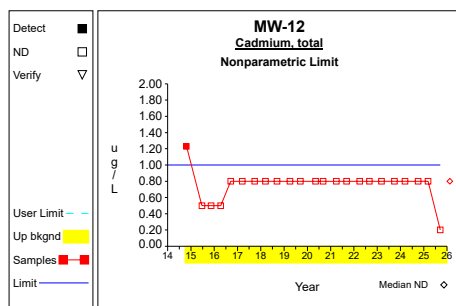
Graph 77



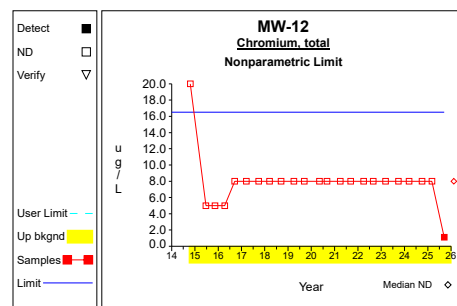
Graph 78



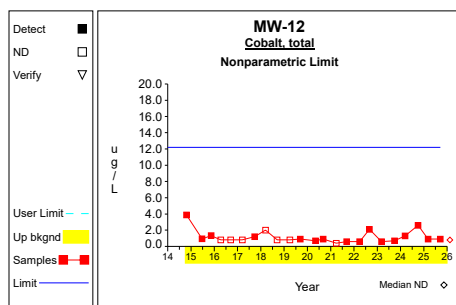
Graph 79



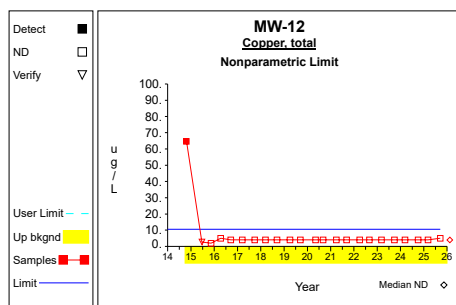
Graph 80



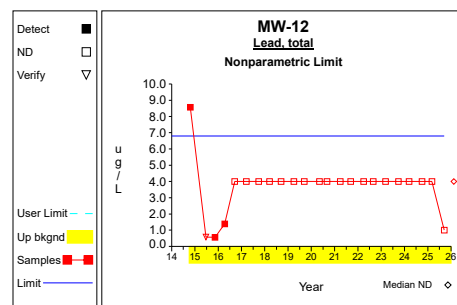
Graph 81



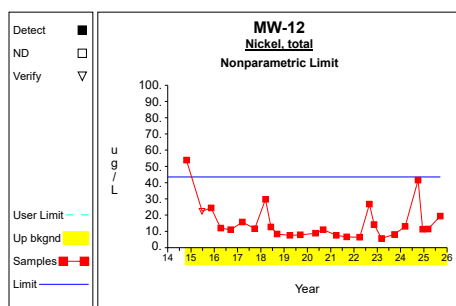
Graph 82



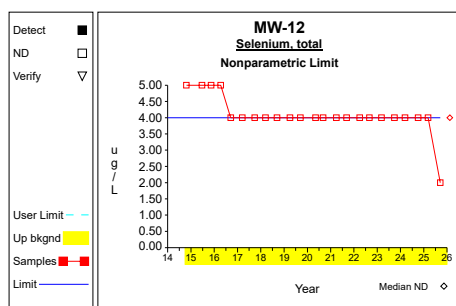
Graph 83



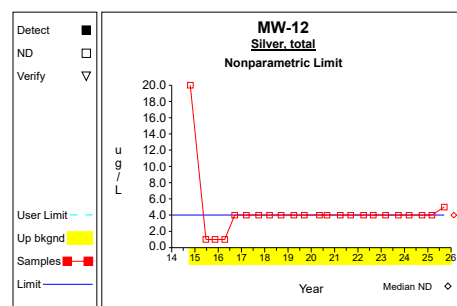
Graph 84



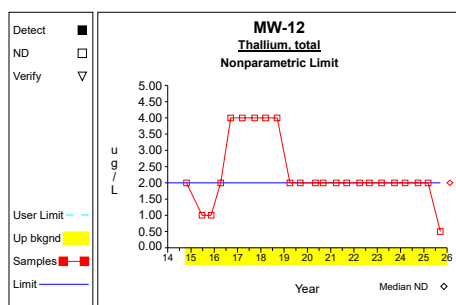
Graph 85



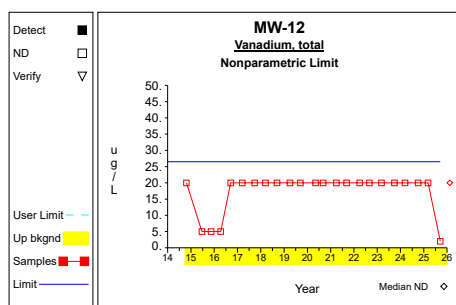
Graph 86



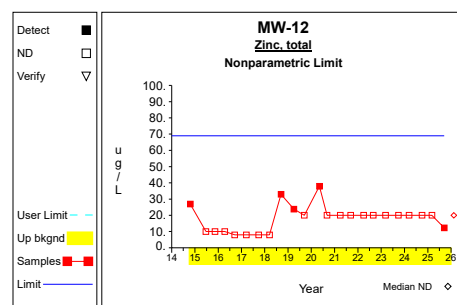
Graph 87



Graph 88

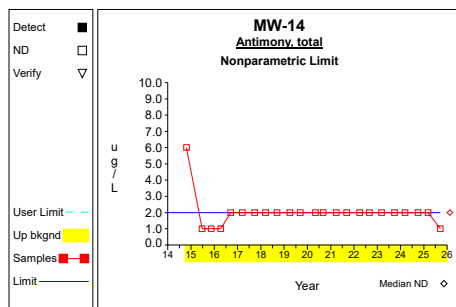


Graph 89

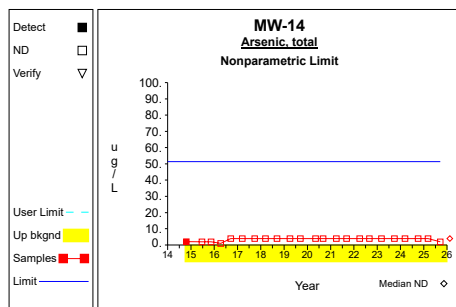


Graph 90

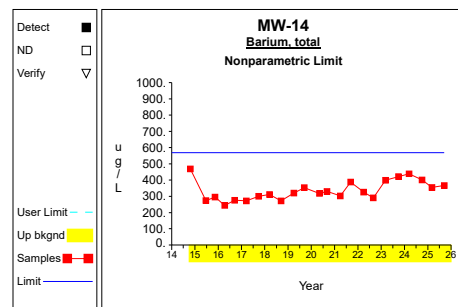
Up vs. Down Prediction Limits



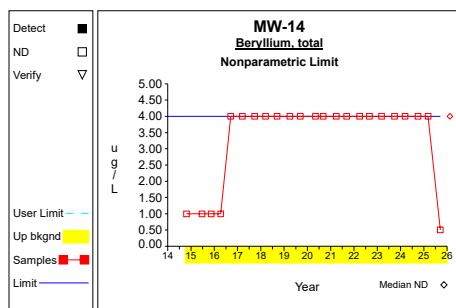
Graph 91



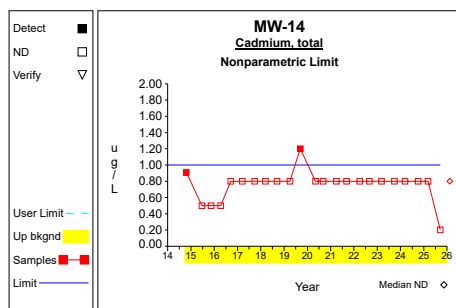
Graph 92



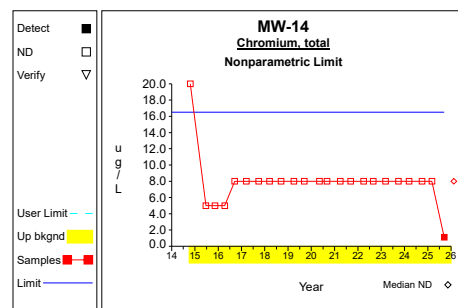
Graph 93



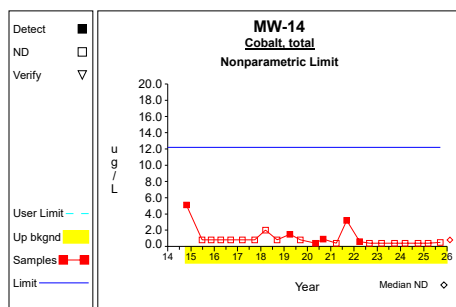
Graph 94



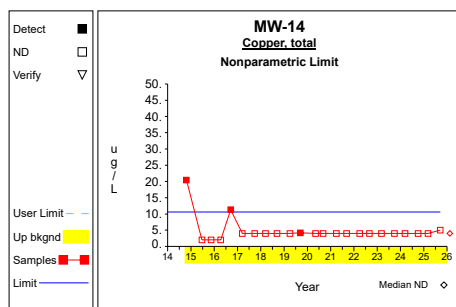
Graph 95



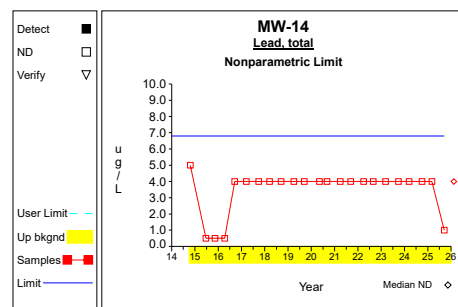
Graph 96



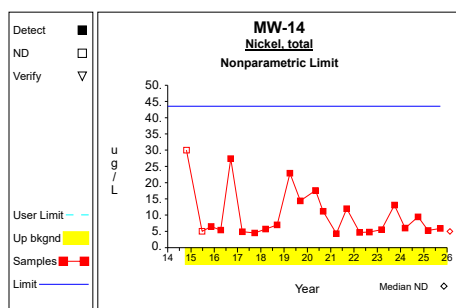
Graph 97



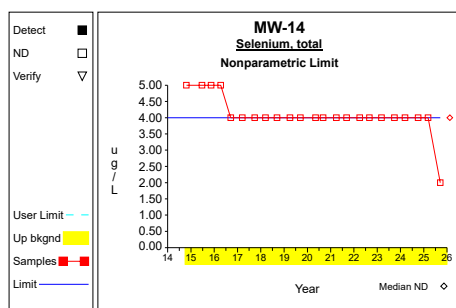
Graph 98



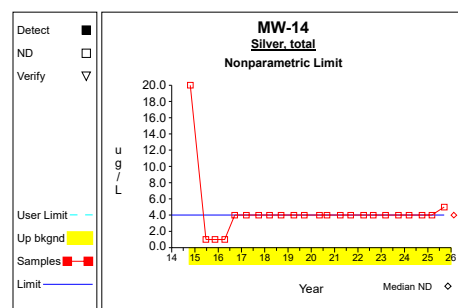
Graph 99



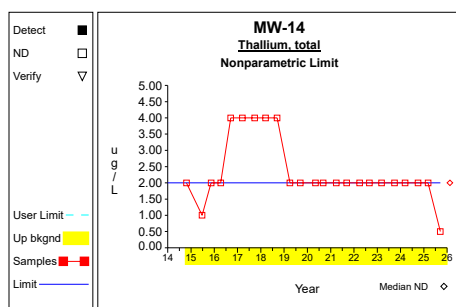
Graph 100



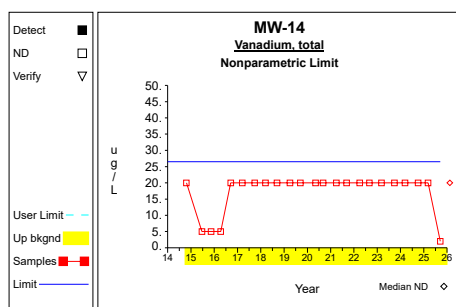
Graph 101



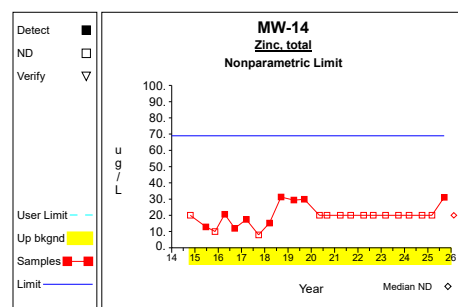
Graph 102



Graph 103

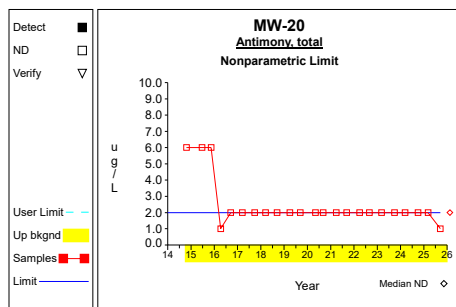


Graph 104

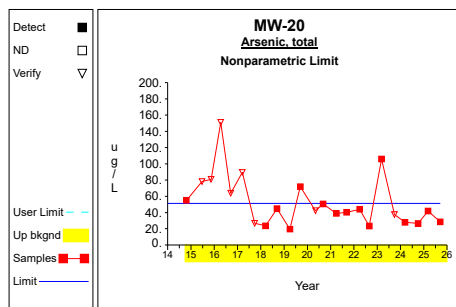


Graph 105

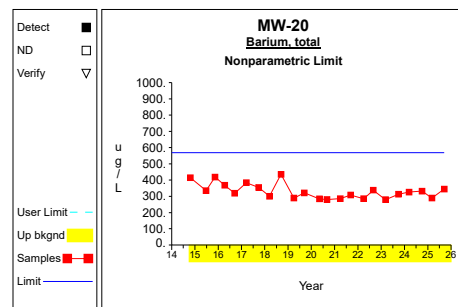
Up vs. Down Prediction Limits



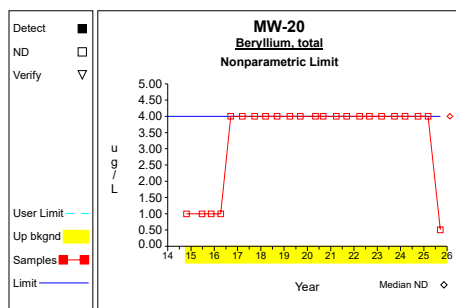
Graph 106



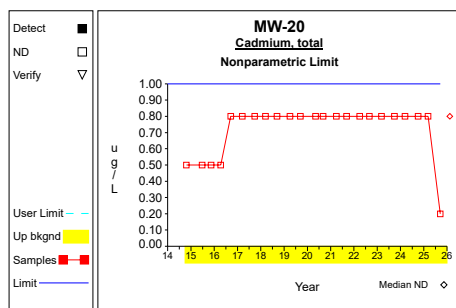
Graph 107



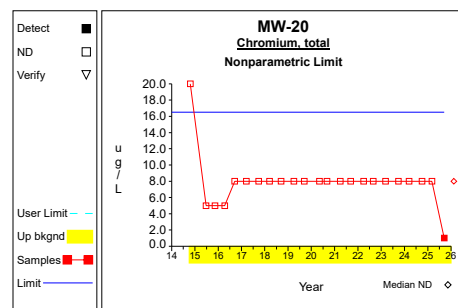
Graph 108



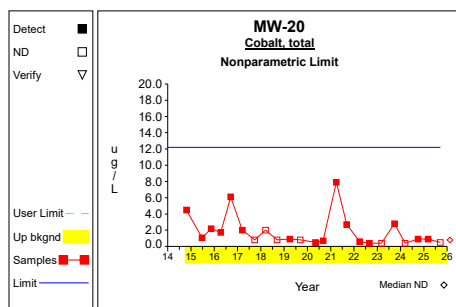
Graph 109



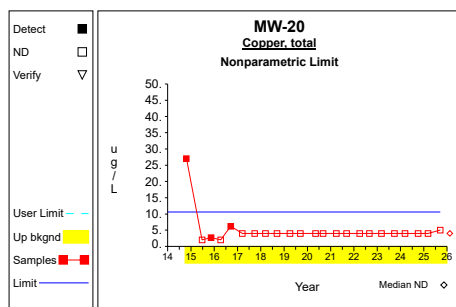
Graph 110



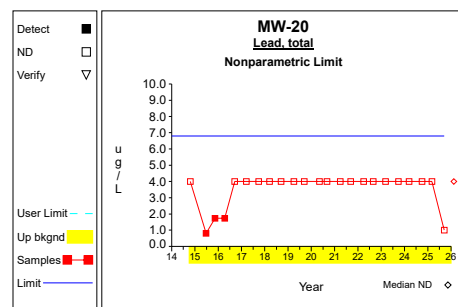
Graph 111



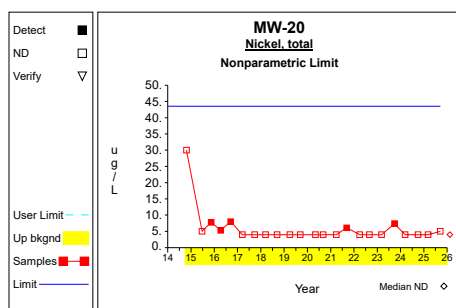
Graph 112



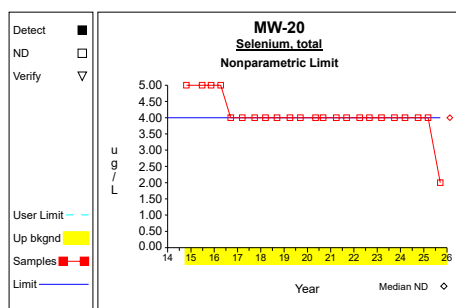
Graph 113



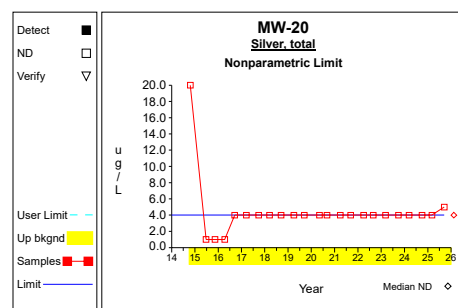
Graph 114



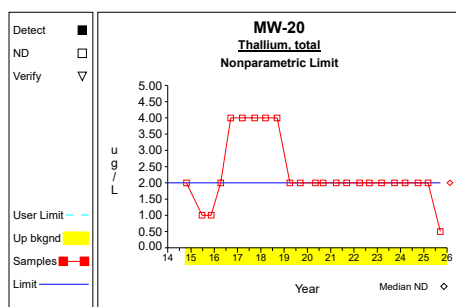
Graph 115



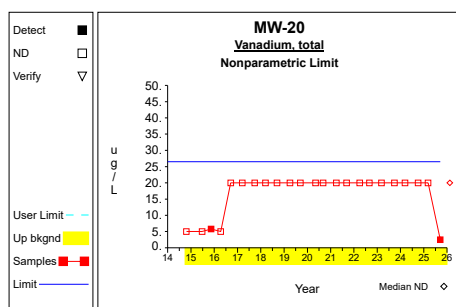
Graph 116



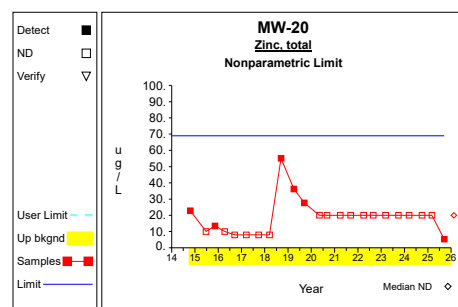
Graph 117



Graph 118

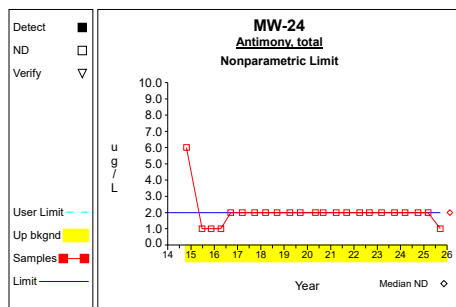


Graph 119

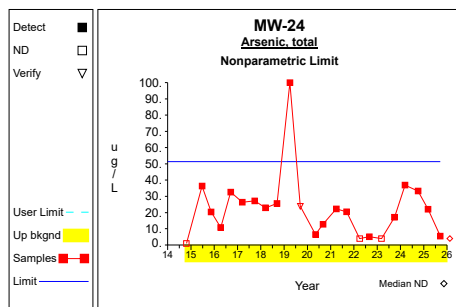


Graph 120

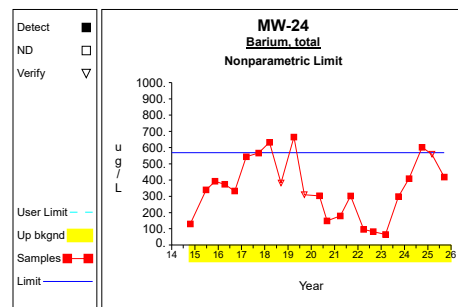
Up vs. Down Prediction Limits



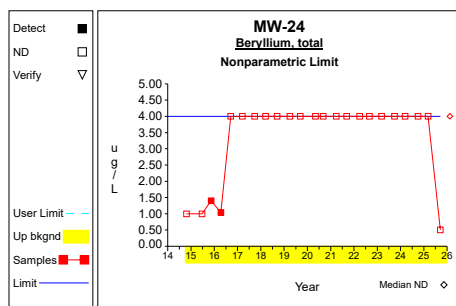
Graph 121



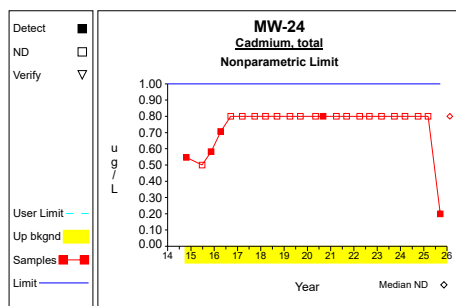
Graph 122



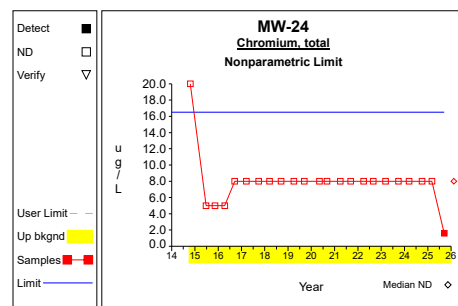
Graph 123



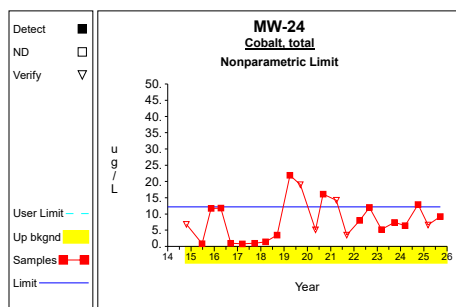
Graph 124



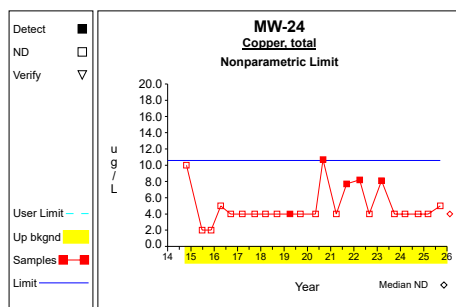
Graph 125



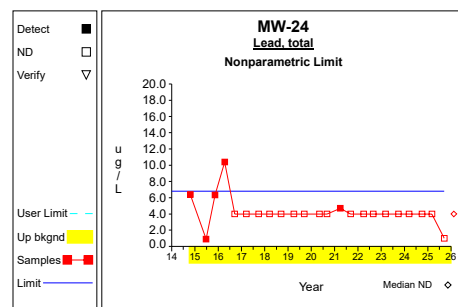
Graph 126



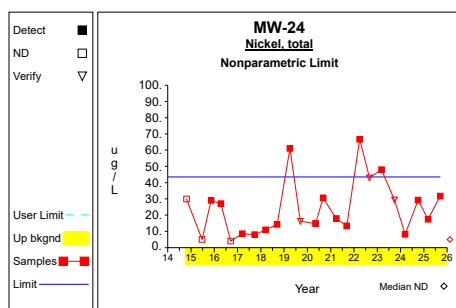
Graph 127



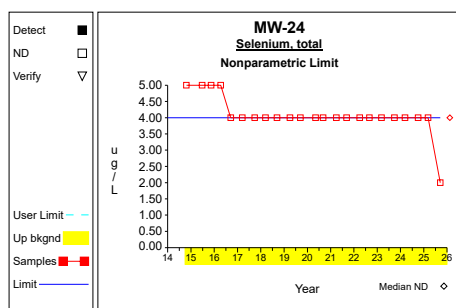
Graph 128



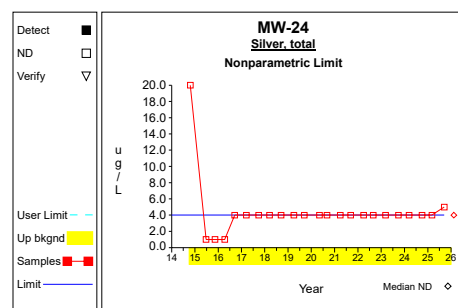
Graph 129



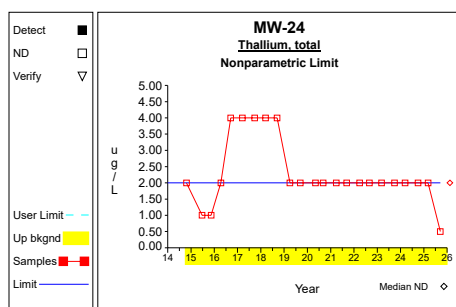
Graph 130



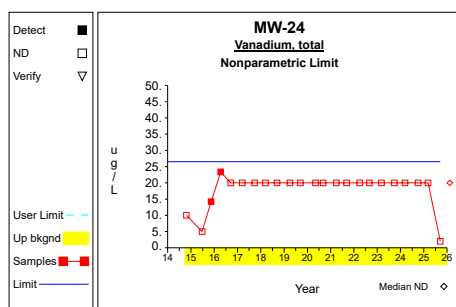
Graph 131



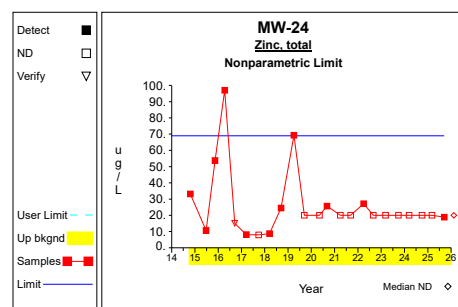
Graph 132



Graph 133

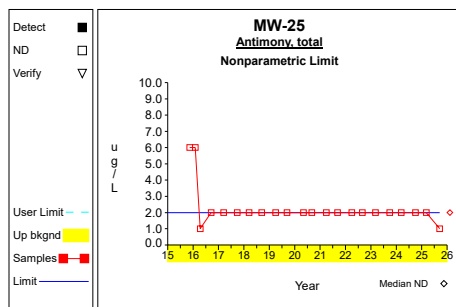


Graph 134

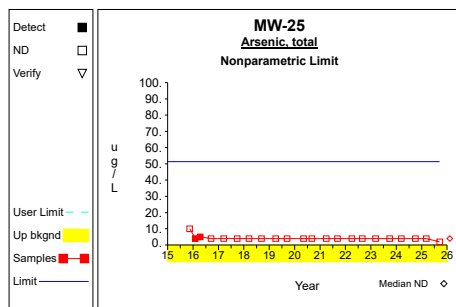


Graph 135

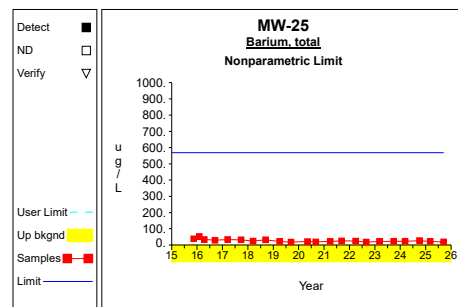
Up vs. Down Prediction Limits



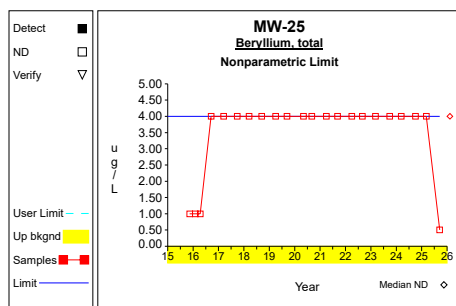
Graph 136



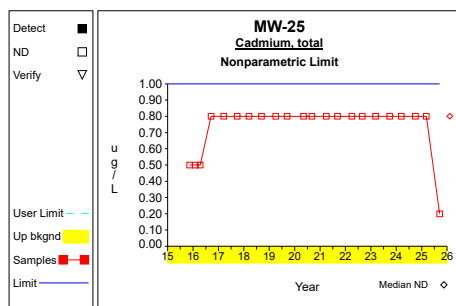
Graph 137



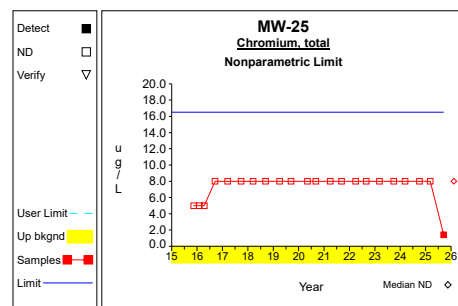
Graph 138



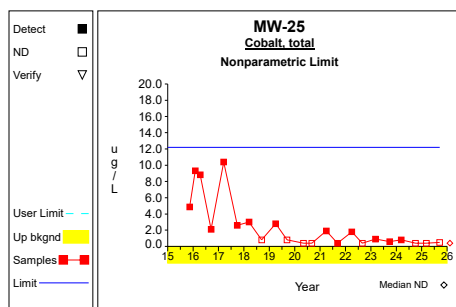
Graph 139



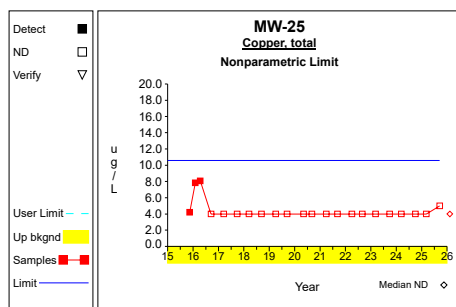
Graph 140



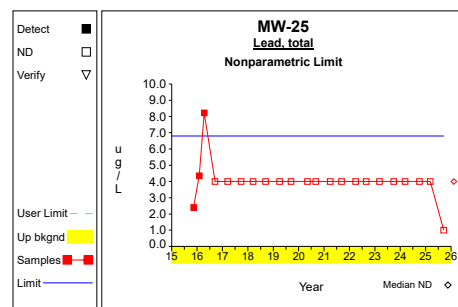
Graph 141



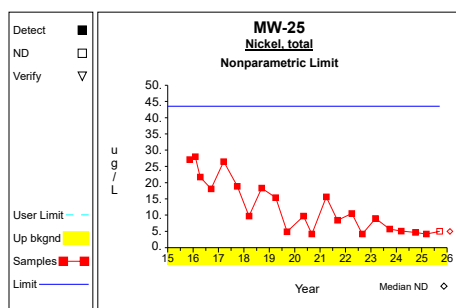
Graph 142



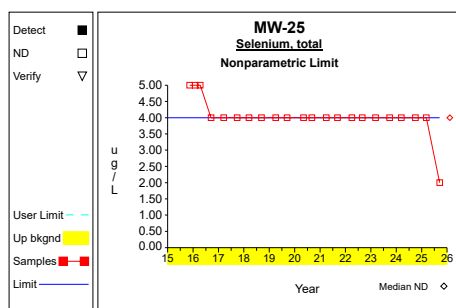
Graph 143



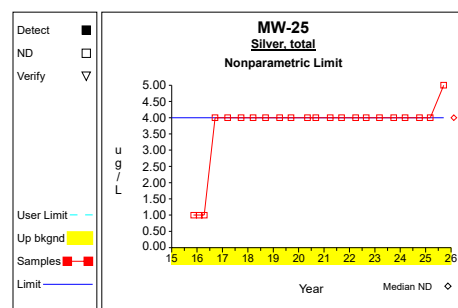
Graph 144



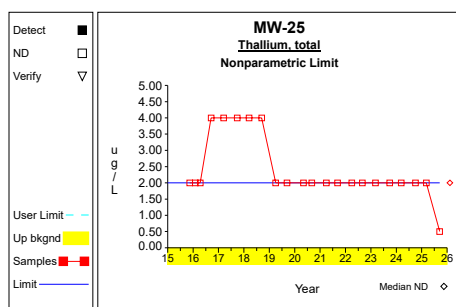
Graph 145



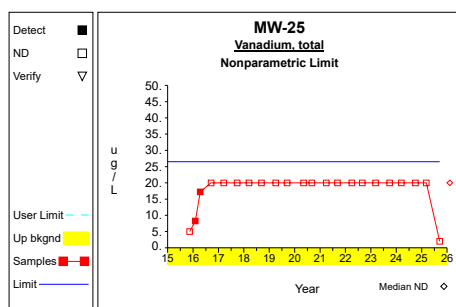
Graph 146



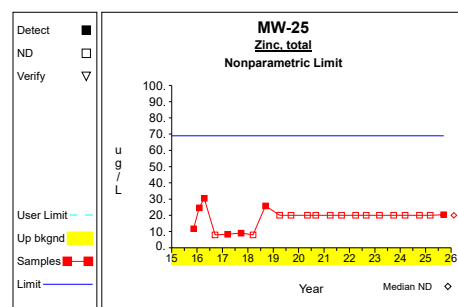
Graph 147



Graph 148

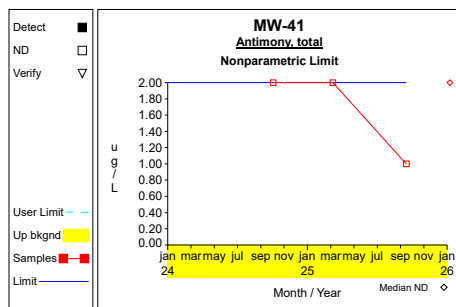


Graph 149

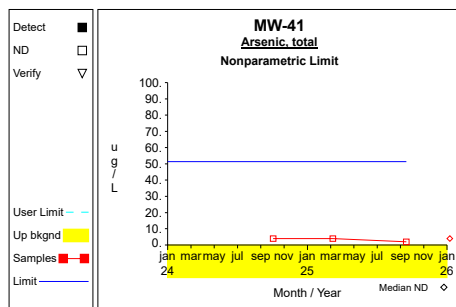


Graph 150

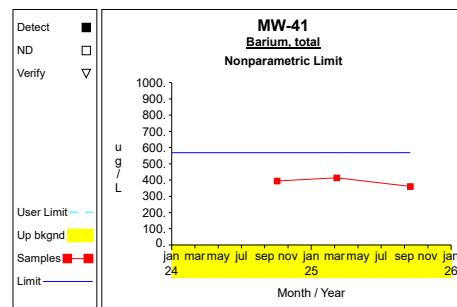
Up vs. Down Prediction Limits



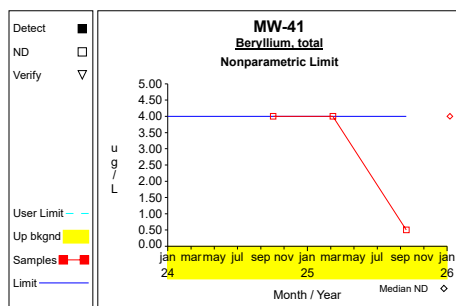
Graph 151



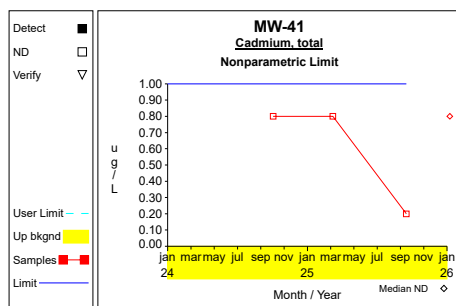
Graph 152



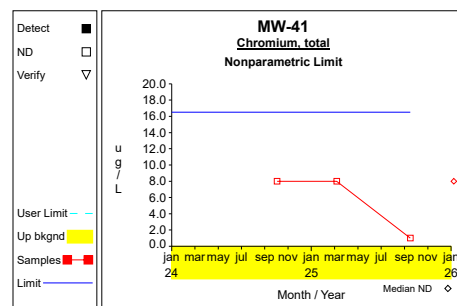
Graph 153



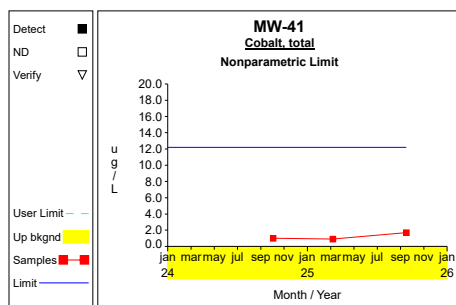
Graph 154



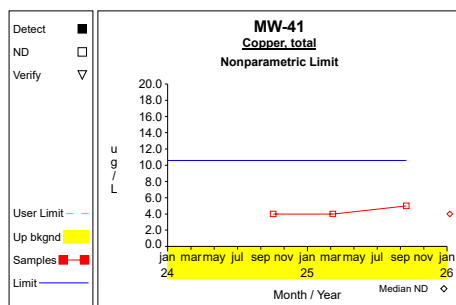
Graph 155



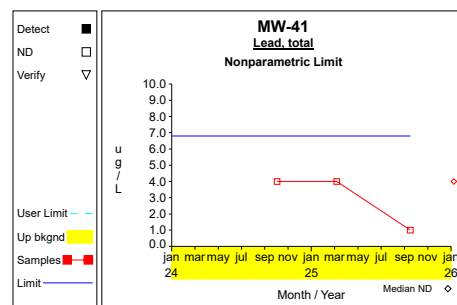
Graph 156



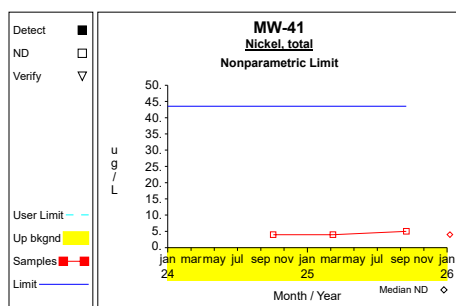
Graph 157



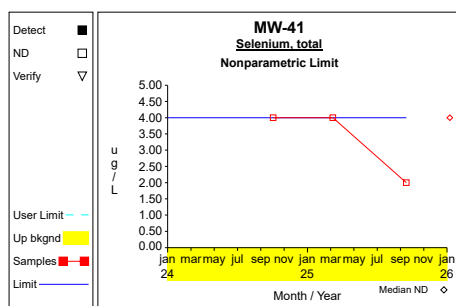
Graph 158



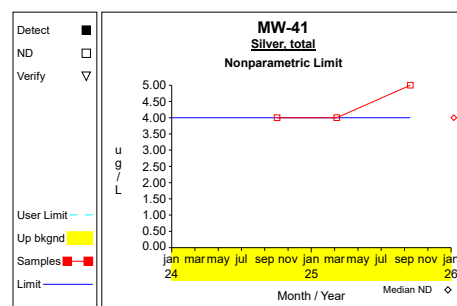
Graph 159



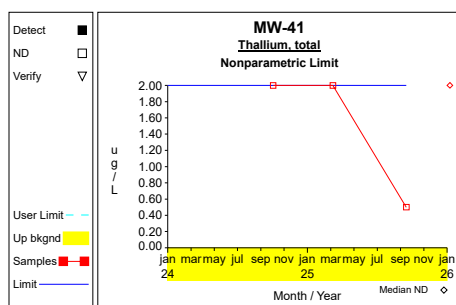
Graph 160



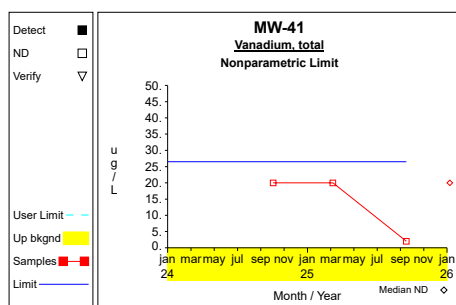
Graph 161



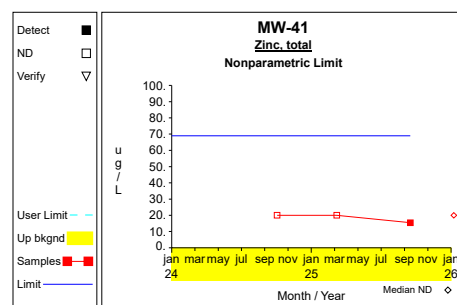
Graph 162



Graph 163

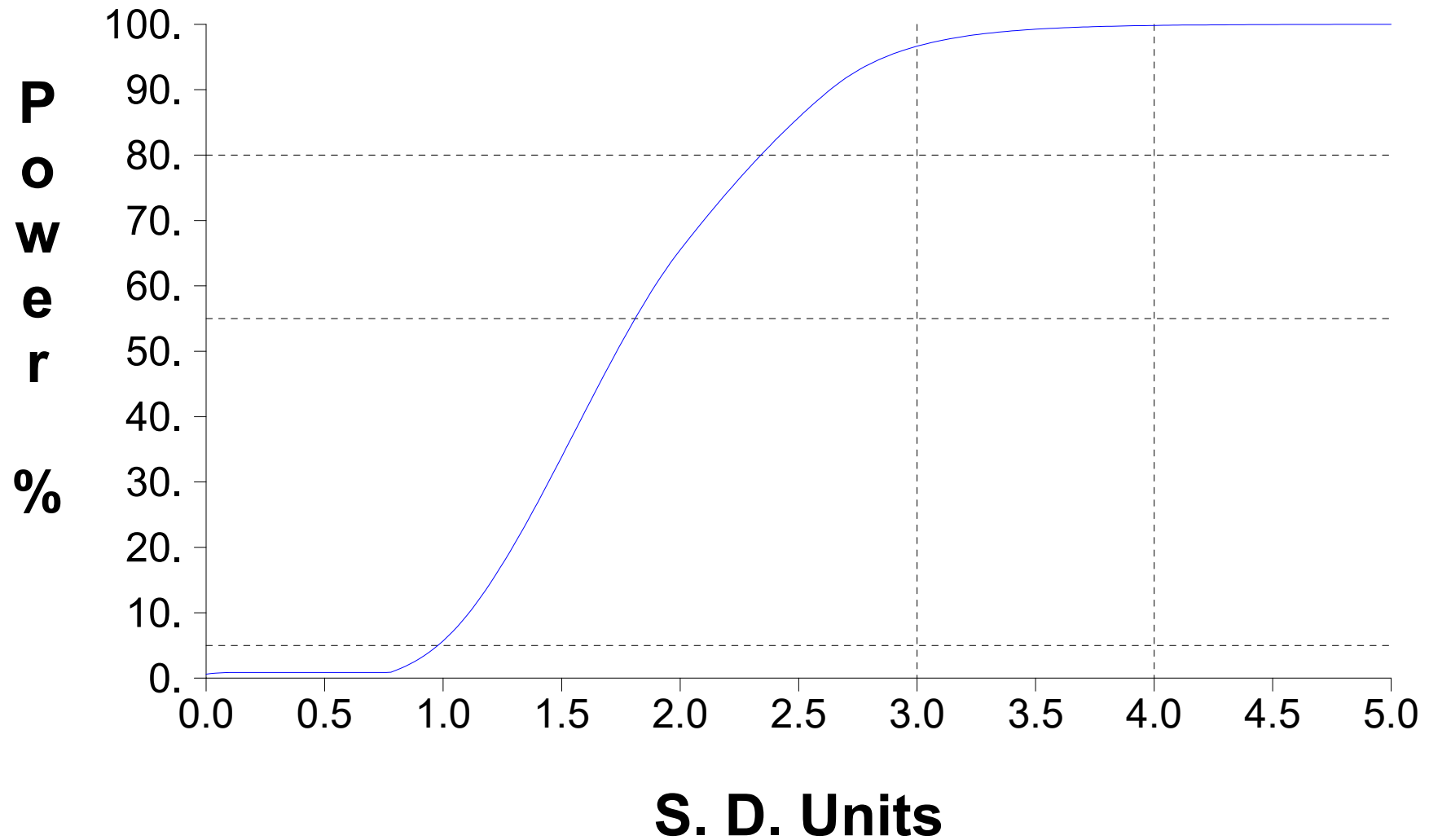


Graph 164



Graph 165

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



Attachment C

Assessment Statistics for Trace Metals

Table 1

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

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Arsenic, total	ug/L	AW-1	4	2.550	4.100	1.176	0.000	7.373	10.000		
Barium, total	ug/L	AW-1	4	324.250	107.955	1.176	197.264	451.236	2000.000		**
Cobalt, total	ug/L	AW-1	4	7.225	3.225	1.176	3.431	11.019	2.100		
Nickel, total	ug/L	AW-1	4	15.375	11.177	1.176	2.228	28.522	100.000		
Arsenic, total	ug/L	AW-2	4	45.150	17.792	1.176	24.221	66.079	10.000		**
Barium, total	ug/L	AW-2	4	139.750	6.652	1.176	131.925	147.575	2000.000		
Cobalt, total	ug/L	AW-2	4	11.600	2.486	1.176	8.676	14.524	2.100	dec	**
Nickel, total	ug/L	AW-2	4	9.375	2.699	1.176	6.201	12.549	100.000	dec	
Arsenic, total	ug/L	AW-3	4	30.025	10.509	1.176	17.663	42.387	10.000		**
Barium, total	ug/L	AW-3	4	325.000	98.607	1.176	209.010	440.990	2000.000		
Cobalt, total	ug/L	AW-3	4	1.025	0.585	1.176	0.337	1.713	2.100	dec	
Nickel, total	ug/L	AW-3	4	3.275	2.550	1.176	0.275	6.275	100.000		
Arsenic, total	ug/L	AW-9	4	2.550	1.100	1.176	1.256	3.844	10.000		
Barium, total	ug/L	AW-9	4	409.000	150.654	1.176	231.787	586.213	2000.000		
Cobalt, total	ug/L	AW-9	4	3.625	4.161	1.176	0.000	8.520	2.100		
Nickel, total	ug/L	AW-9	4	23.200	42.400	1.176	0.000	73.075	100.000		
Arsenic, total	ug/L	MW-12	4	2.000	0.000	1.176	2.000	2.000	10.000		
Barium, total	ug/L	MW-12	4	120.500	22.398	1.176	94.154	146.846	2000.000	dec	
Cobalt, total	ug/L	MW-12	4	1.425	0.806	1.176	0.477	2.373	2.100		
Nickel, total	ug/L	MW-12	4	20.950	14.293	1.176	4.138	37.762	100.000		
Arsenic, total	ug/L	MW-14	4	2.000	0.000	1.176	2.000	2.000	10.000		
Barium, total	ug/L	MW-14	4	390.250	37.959	1.176	345.599	434.901	2000.000	inc	
Cobalt, total	ug/L	MW-14	4	0.400	0.000	1.176	0.400	0.400	2.100		
Nickel, total	ug/L	MW-14	4	6.675	1.909	1.176	4.430	8.920	100.000		
Arsenic, total	ug/L	MW-20	4	31.225	7.152	1.176	22.812	39.638	10.000		**
Barium, total	ug/L	MW-20	4	323.000	24.014	1.176	294.753	351.247	2000.000		
Cobalt, total	ug/L	MW-20	4	0.650	0.289	1.176	0.310	0.990	2.100		
Nickel, total	ug/L	MW-20	4	2.000	0.000	1.176	2.000	2.000	100.000		
Arsenic, total	ug/L	MW-24	4	24.425	14.124	1.176	7.812	41.038	10.000		
Barium, total	ug/L	MW-24	4	497.250	97.804	1.176	382.205	612.295	2000.000		**
Cobalt, total	ug/L	MW-24	4	8.775	3.031	1.176	5.209	12.341	2.100		
Nickel, total	ug/L	MW-24	4	21.700	10.949	1.176	8.820	34.580	100.000		

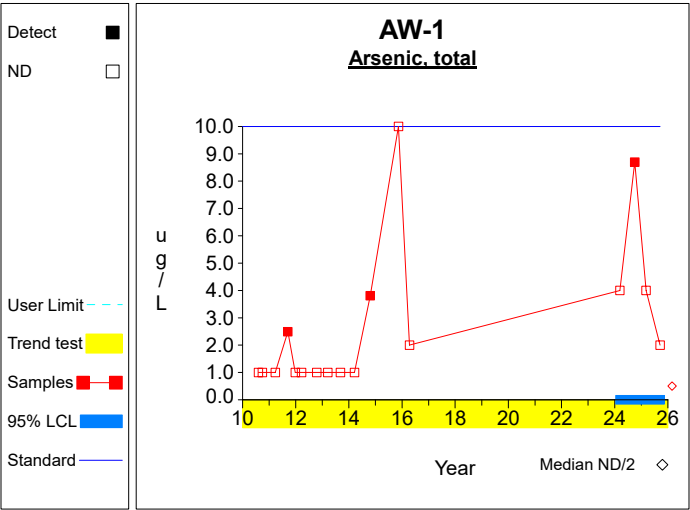
* - Insufficient Data

** - Significant Exceedance

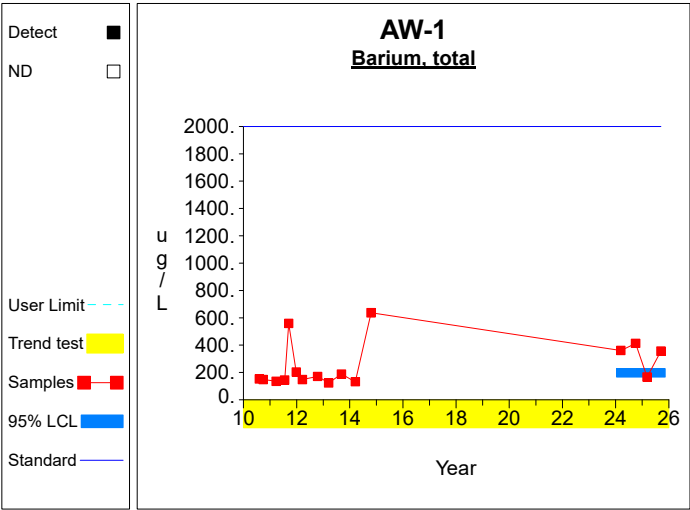
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

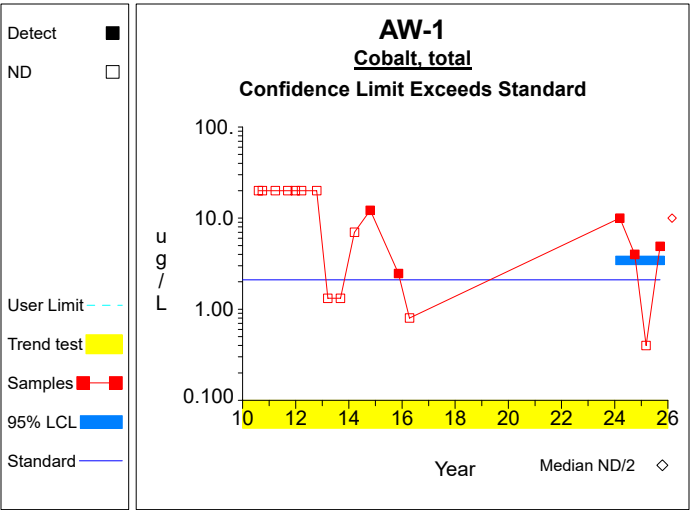
Confidence Limits (Assessment)



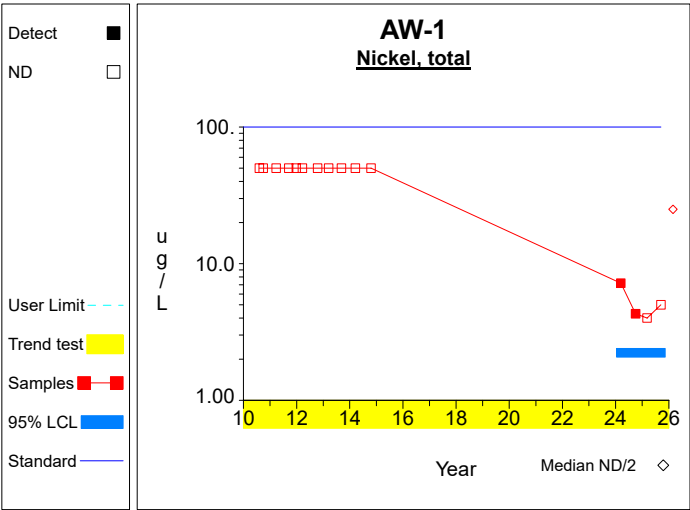
Graph 1



Graph 2

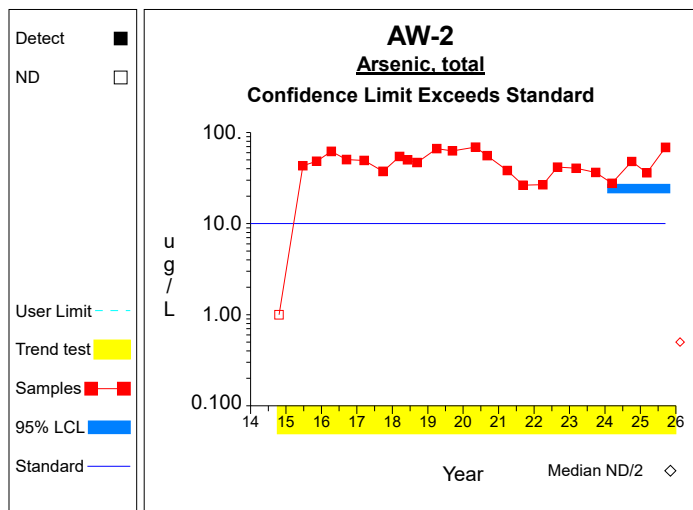


Graph 3

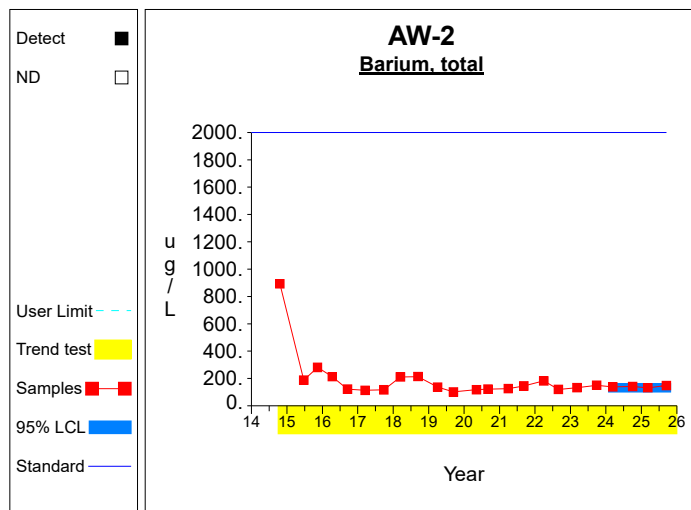


Graph 4

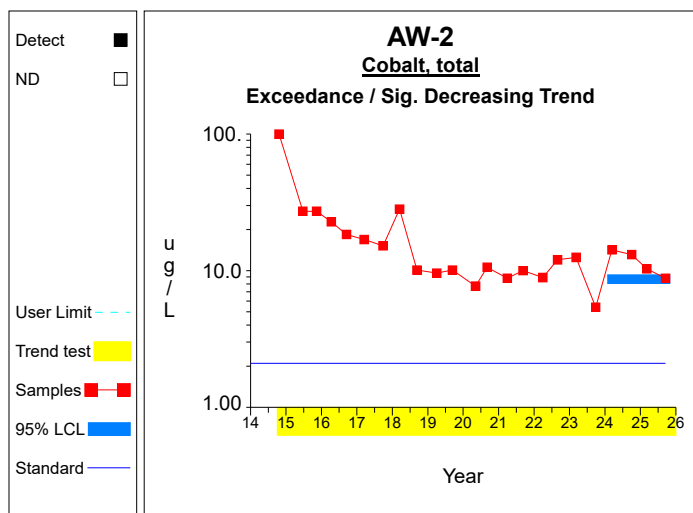
Confidence Limits (Assessment)



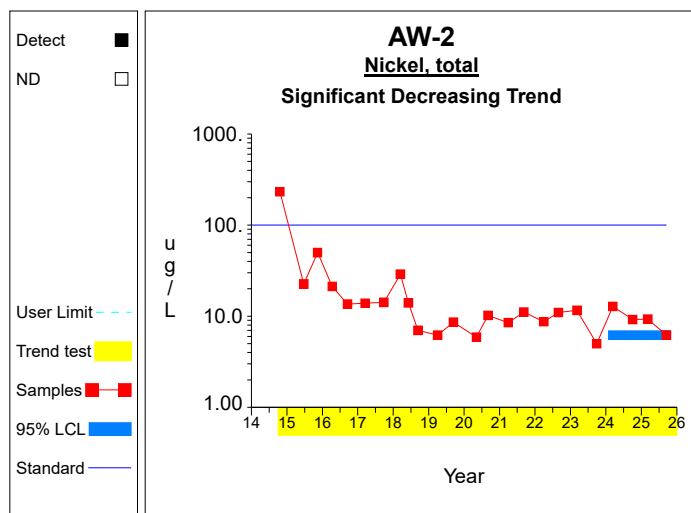
Graph 5



Graph 6

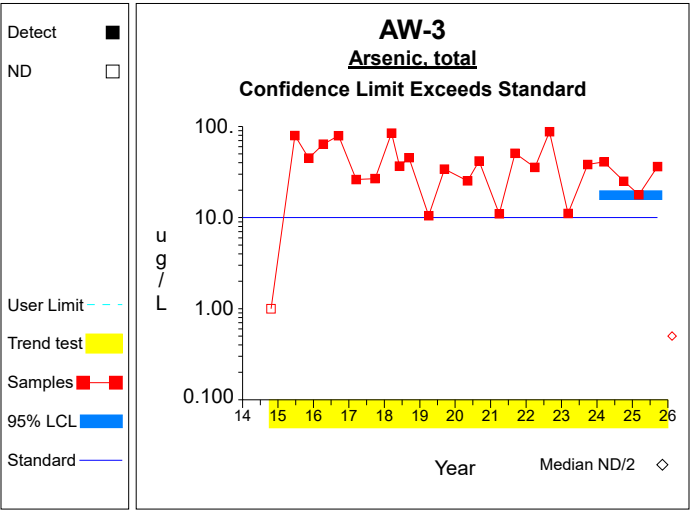


Graph 7

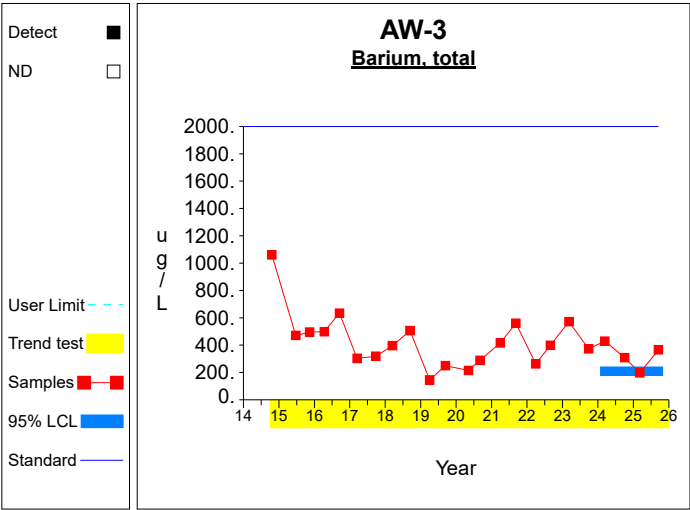


Graph 8

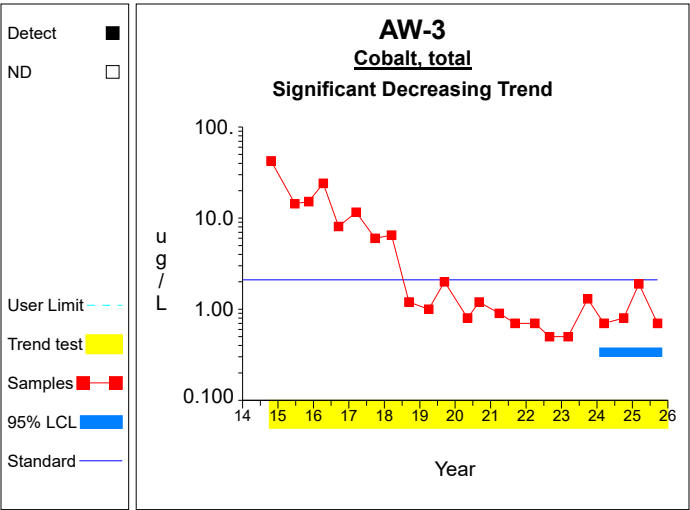
Confidence Limits (Assessment)



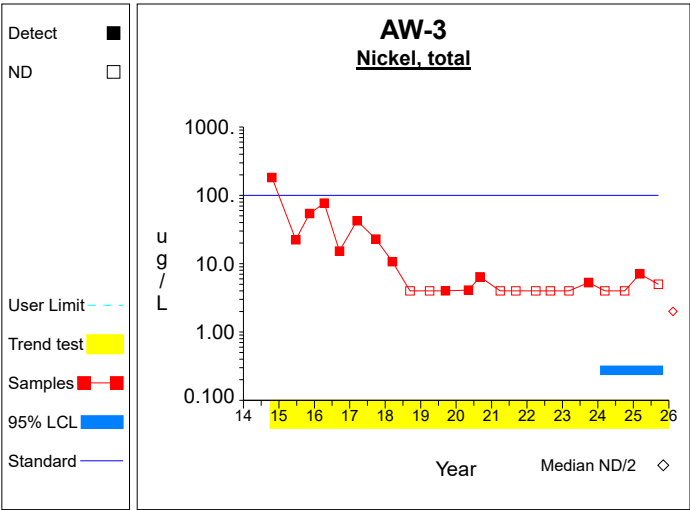
Graph 9



Graph 10

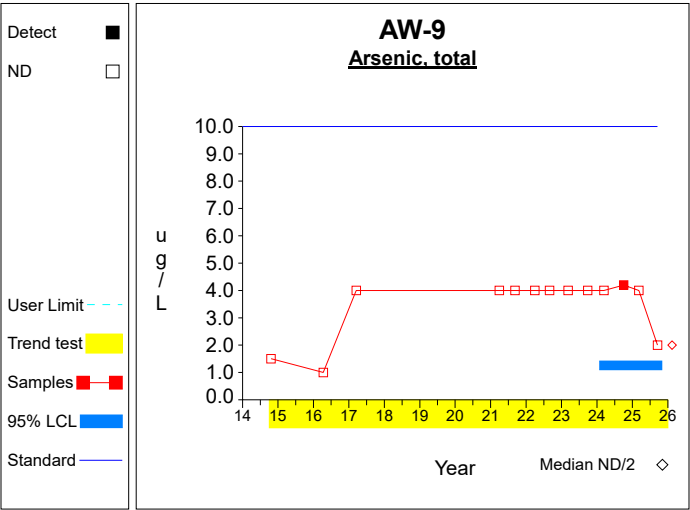


Graph 11

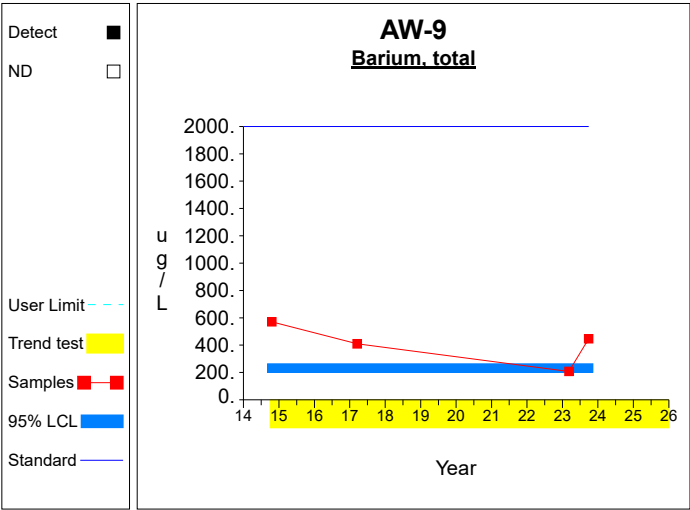


Graph 12

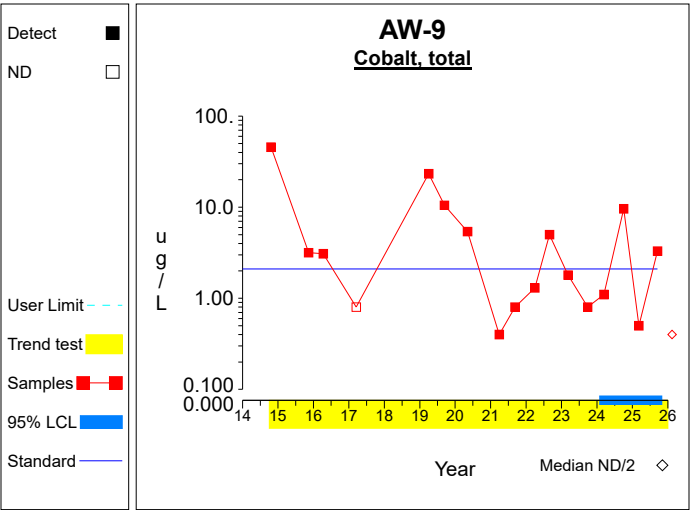
Confidence Limits (Assessment)



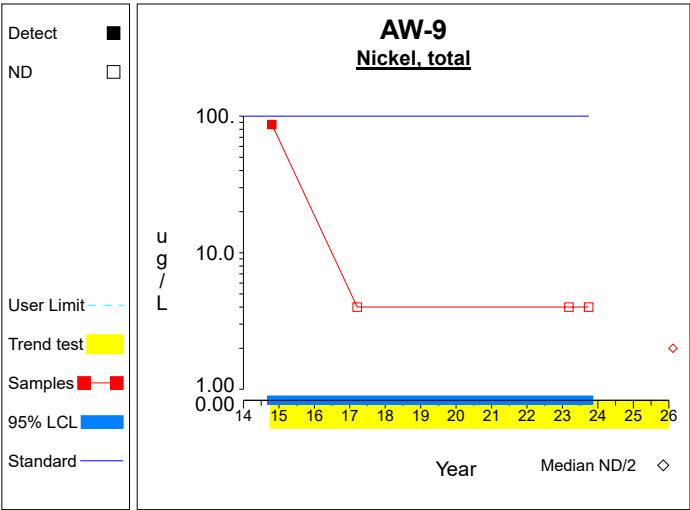
Graph 13



Graph 14

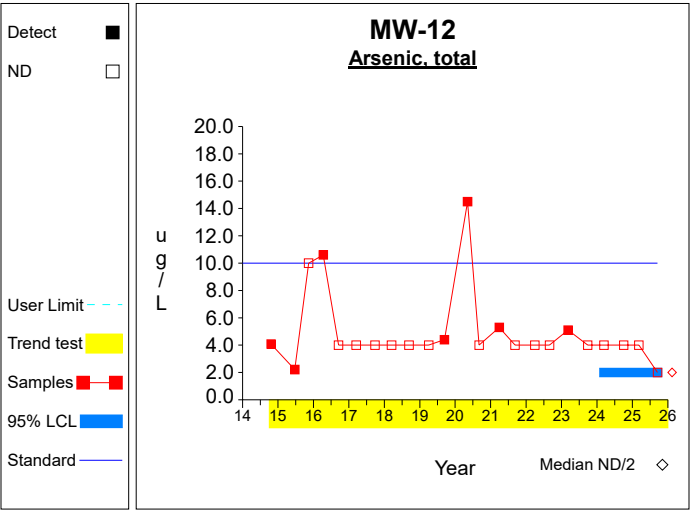


Graph 15

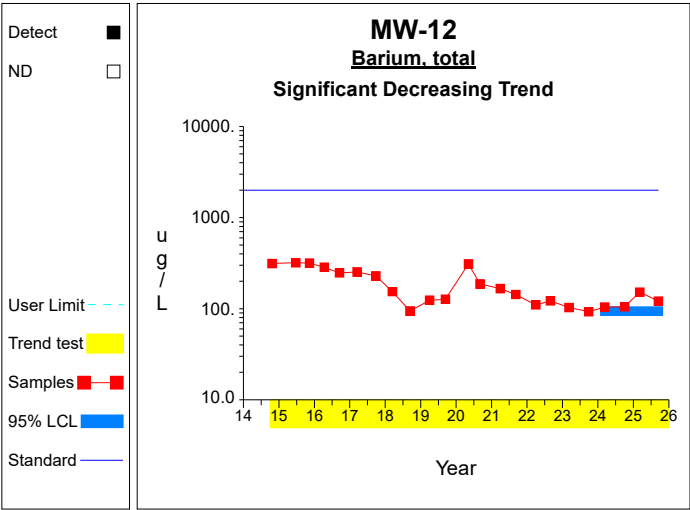


Graph 16

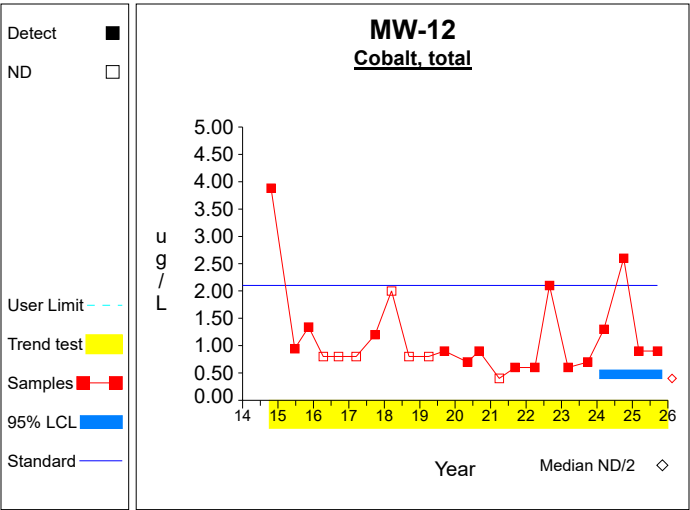
Confidence Limits (Assessment)



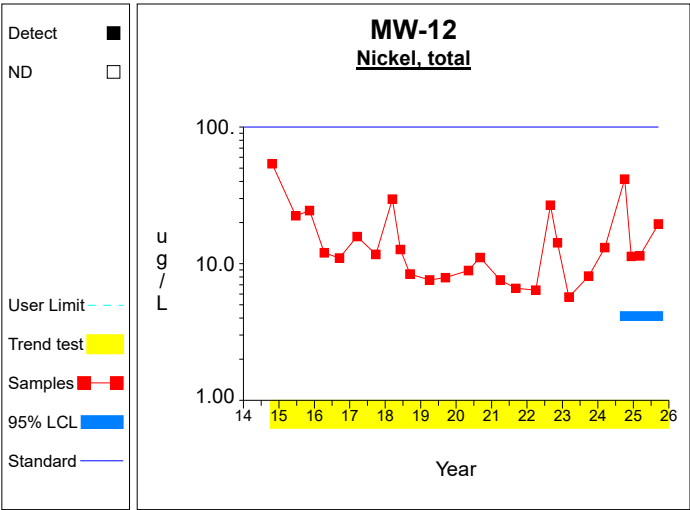
Graph 17



Graph 18

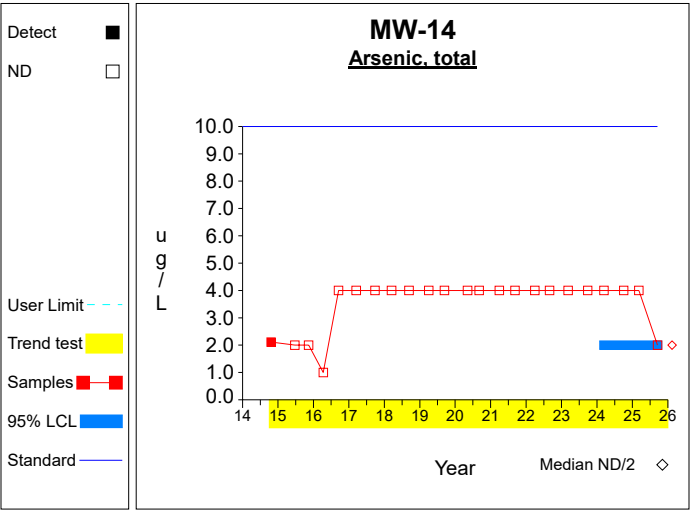


Graph 19

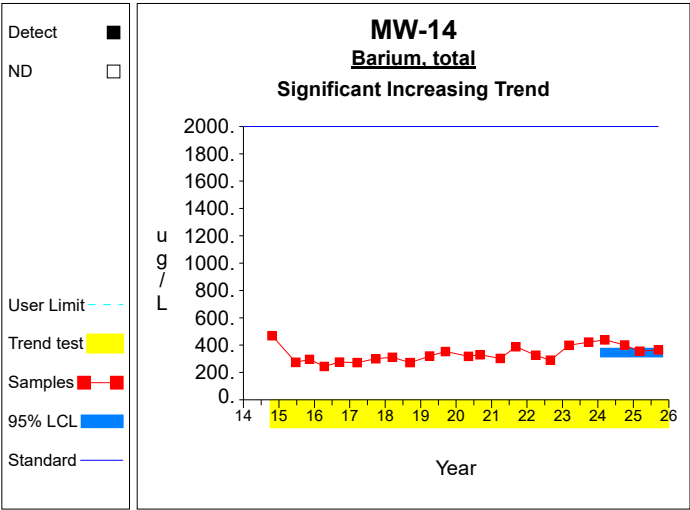


Graph 20

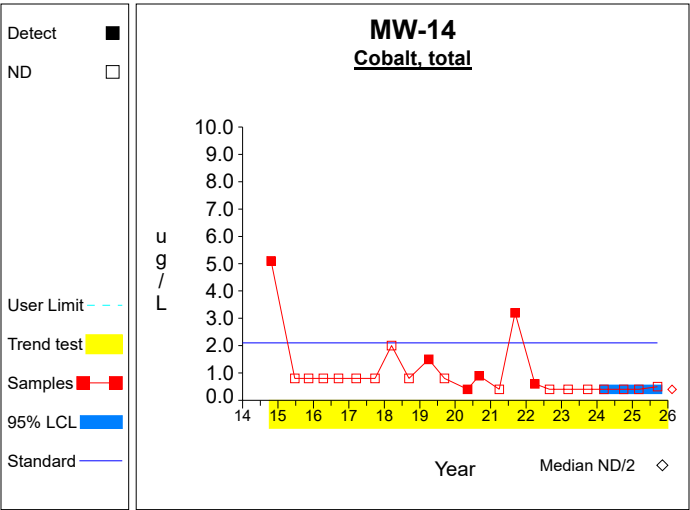
Confidence Limits (Assessment)



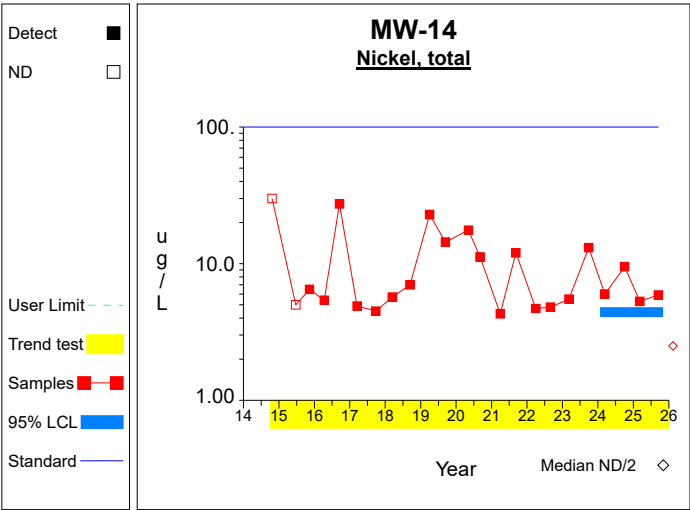
Graph 21



Graph 22

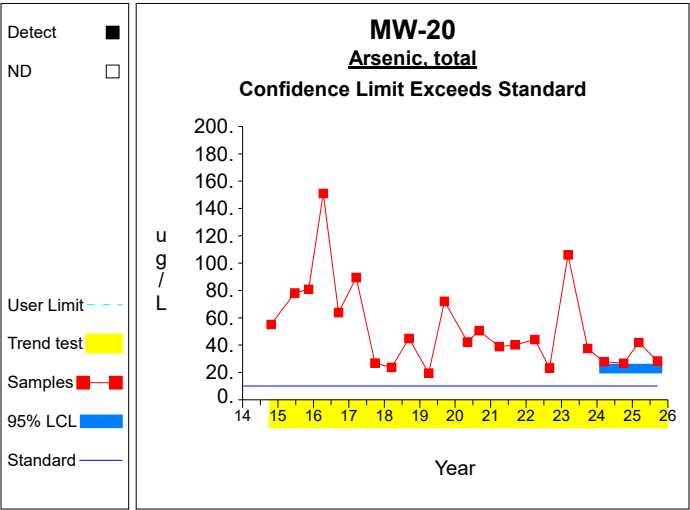


Graph 23

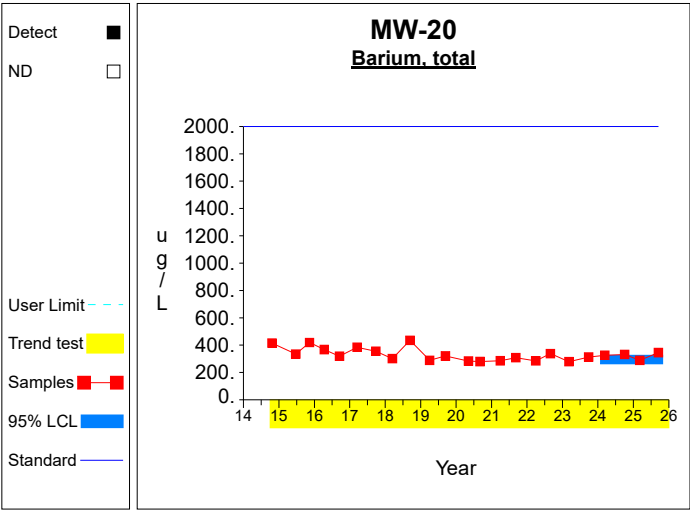


Graph 24

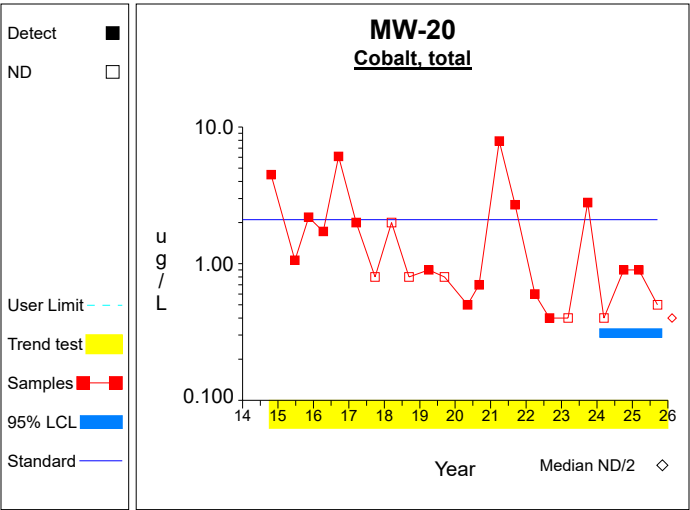
Confidence Limits (Assessment)



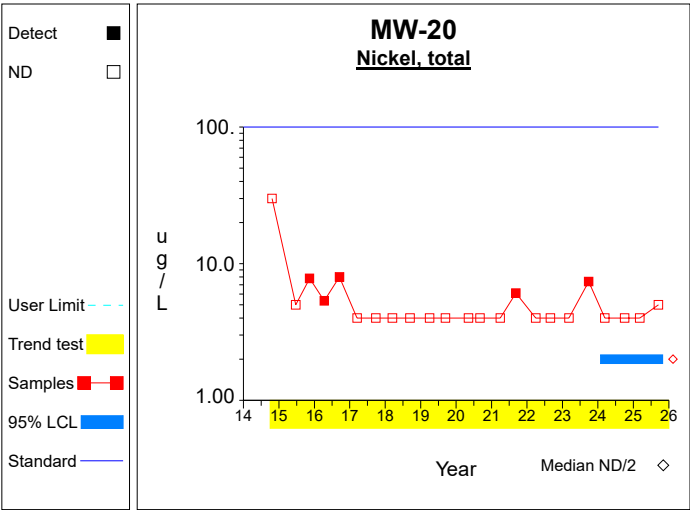
Graph 25



Graph 26

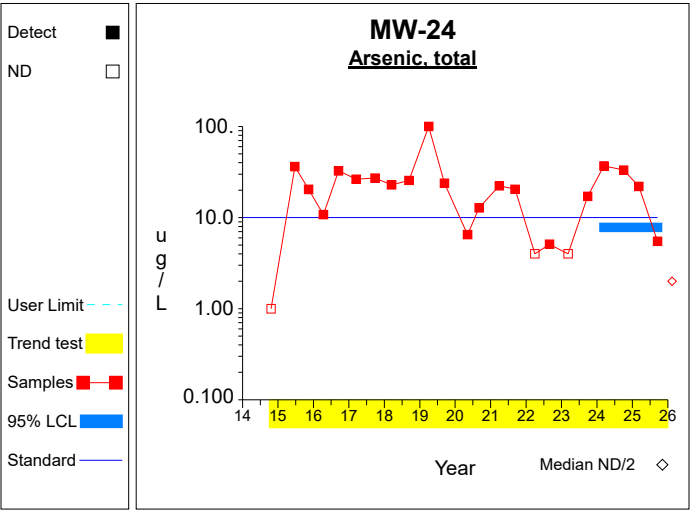


Graph 27

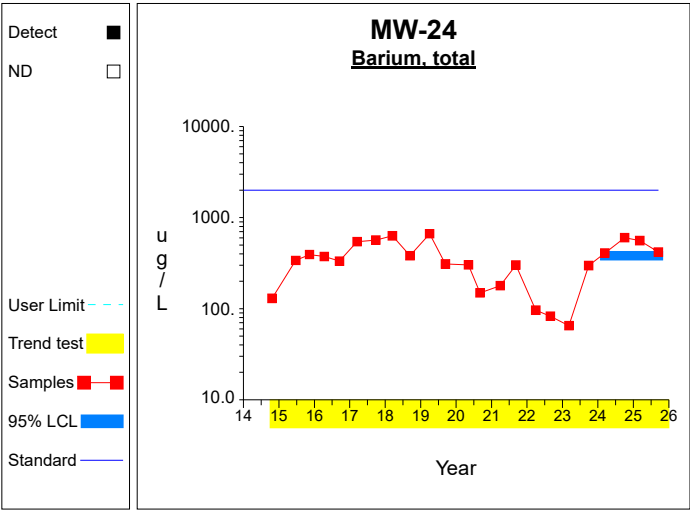


Graph 28

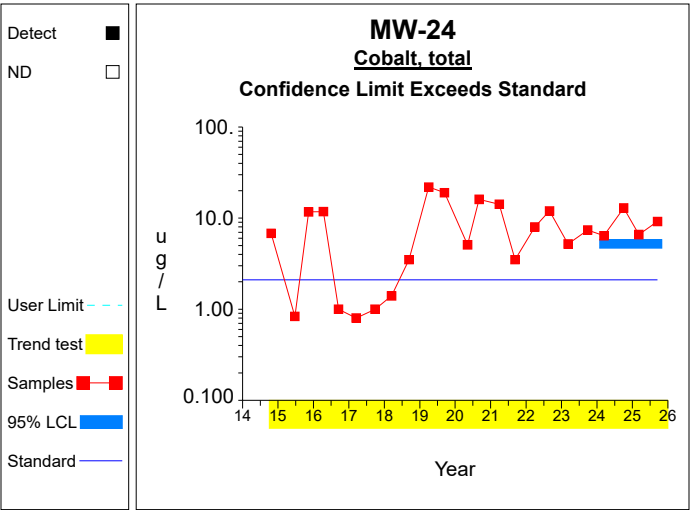
Confidence Limits (Assessment)



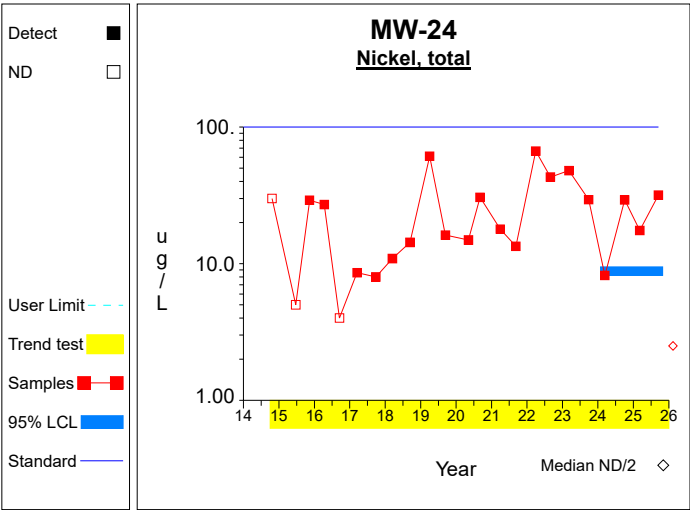
Graph 29



Graph 30



Graph 31



Graph 32

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	AW-1	11	4	15			2.0000	1.0000			6.0000	nonpar	.99	**
Arsenic, total	ug/L	AW-1	12	4	17			4.0000	2.0000			3.8100	nonpar	.99	**
Barium, total	ug/L	AW-1	10	4	16	154.6000	25.2991	167.0000	356.0000	154.6000	330.7009	319.0441	normal		
Beryllium, total	ug/L	AW-1	11	4	15			4.0000	0.5000			2.5700	nonpar	.99	**
Cadmium, total	ug/L	AW-1	9	4	15			0.8000	0.2000			0.5000	nonpar	.99	**
Chromium, total	ug/L	AW-1	10	4	15			8.0000	1.0000			20.0000	nonpar	.99	**
Cobalt, total	ug/L	AW-1	13	4	17			0.4000	4.9000			20.0000	nonpar	.99	**
Copper, total	ug/L	AW-1	11	4	15			4.0000	5.0000			49.9000	nonpar	.99	**
Lead, total	ug/L	AW-1	10	4	16			4.0000	1.0000			4.7300	nonpar	.99	**
Nickel, total	ug/L	AW-1	11	4	15			4.0000	5.0000			50.0000	nonpar	.99	**
Selenium, total	ug/L	AW-1	11	5	16			5.4000	2.0000			10.4000	nonpar	.99	**
Silver, total	ug/L	AW-1	11	4	15			4.0000	5.0000			20.0000	nonpar	.99	**
Thallium, total	ug/L	AW-1	11	4	15			2.0000	0.5000			2.0000	nonpar	.99	**
Vanadium, total	ug/L	AW-1	11	4	15			20.0000	2.0000			50.0000	nonpar	.99	**
Zinc, total	ug/L	AW-1	11	4	15	34.6818	23.5967	20.0000	10.7000	34.6818	34.6818	188.0603	normal		*
Antimony, total	ug/L	GU-L	2	0	2										*
Arsenic, total	ug/L	GU-L	2	0	2										*
Barium, total	ug/L	GU-L	2	0	2										*
Beryllium, total	ug/L	GU-L	2	0	2										*
Cadmium, total	ug/L	GU-L	2	0	2										*
Chromium, total	ug/L	GU-L	2	0	2										*
Cobalt, total	ug/L	GU-L	2	0	2										*
Copper, total	ug/L	GU-L	2	0	2										*
Lead, total	ug/L	GU-L	2	0	2										*
Nickel, total	ug/L	GU-L	2	0	2										*
Selenium, total	ug/L	GU-L	2	0	2										*
Silver, total	ug/L	GU-L	2	0	2										*
Thallium, total	ug/L	GU-L	2	0	2										*
Vanadium, total	ug/L	GU-L	2	0	2										*
Zinc, total	ug/L	GU-L	2	0	2										*
Antimony, total	ug/L	MW-24	17	6	32			2.0000	1.0000			2.0000	nonpar	.99	**
Arsenic, total	ug/L	MW-24	17	6	32	23.2471	22.4453	22.0000	5.5000	23.2471	23.2471	169.1415	normal		
Barium, total	ug/L	MW-24	17	6	32	340.0529	181.2577	559.0000	419.0000	549.0605	492.0643	1518.2280	normal		
Beryllium, total	ug/L	MW-24	17	6	32			4.0000	0.5000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	MW-24	17	6	32			0.8000	0.2000			0.8000	nonpar	.99	**
Chromium, total	ug/L	MW-24	17	6	32			8.0000	1.6000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	MW-24	17	6	32	8.1549	6.8788	6.6000	9.2000	8.1549	8.1549	52.8671	normal		
Copper, total	ug/L	MW-24	17	6	32			4.0000	5.0000			10.7000	nonpar	.99	**
Lead, total	ug/L	MW-24	16	6	32	4.7394	1.7106	4.0000	1.0000	4.7394	4.7394	15.8581	normal		
Nickel, total	ug/L	MW-24	17	6	32	22.1647	18.9039	17.5000	31.8000	22.1647	22.1647	145.0398	normal		
Selenium, total	ug/L	MW-24	17	6	32			4.0000	2.0000			4.0000	nonpar	.99	**
Silver, total	ug/L	MW-24	13	6	32			4.0000	5.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	MW-24	17	6	32			2.0000	0.5000			2.0000	nonpar	.99	**
Vanadium, total	ug/L	MW-24	16	6	32			20.0000	2.0000			23.4000	nonpar	.99	**
Zinc, total	ug/L	MW-24	17	6	32	29.0176	23.4229	20.0000	18.9000	29.0176	29.0176	181.2667	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.

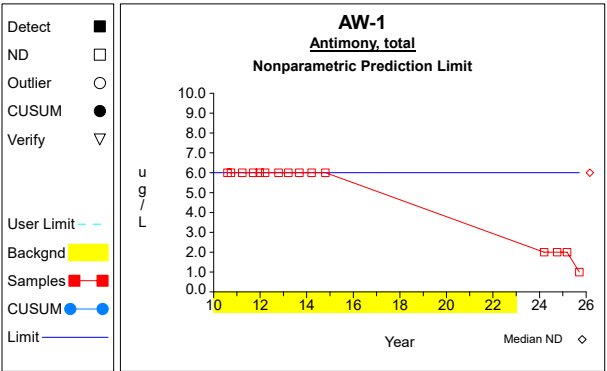
Conf = confidence level for passing initial test or one of two verification resamples (nonparametric test only).

* - Insufficient Data.

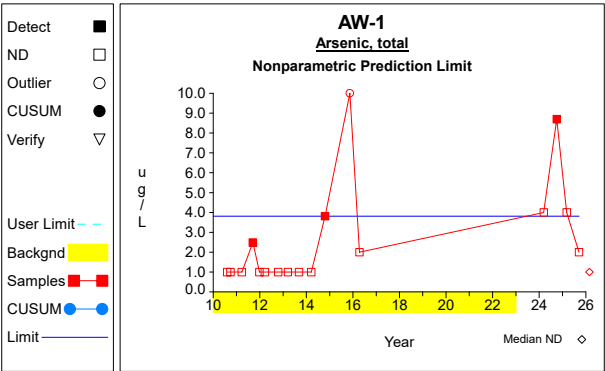
** - Detection Frequency < 25%.

*** - Zero Variance.

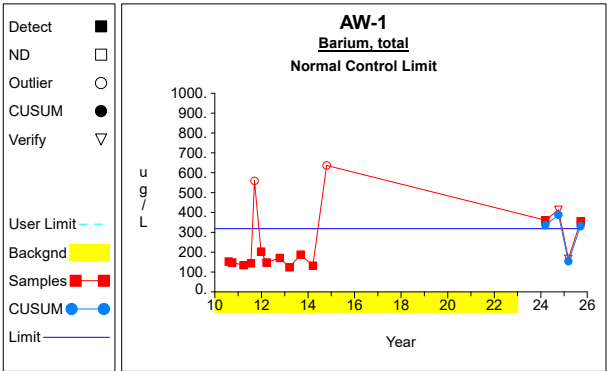
Intra-Well Control Charts / Prediction Limits



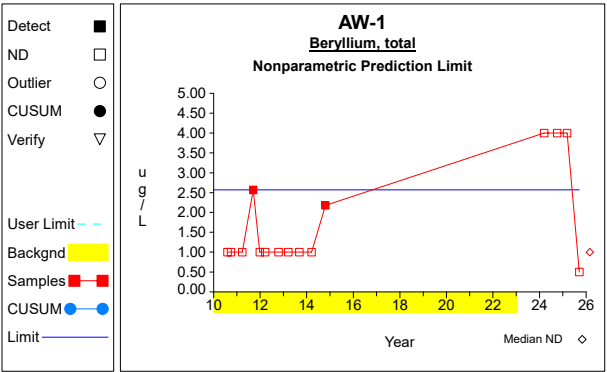
Graph 1



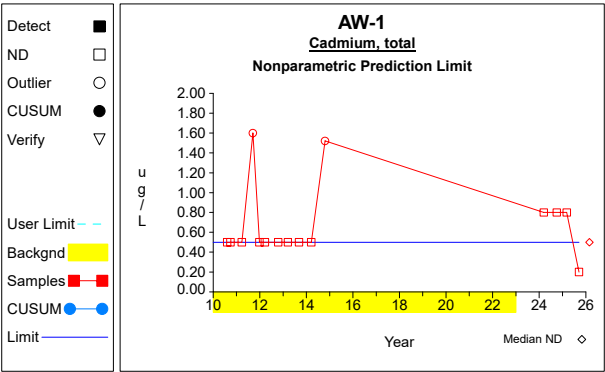
Graph 2



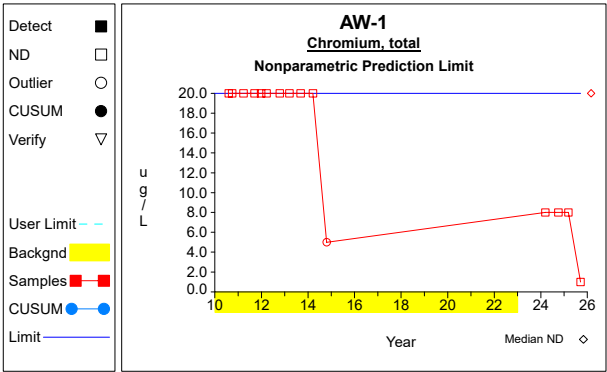
Graph 3



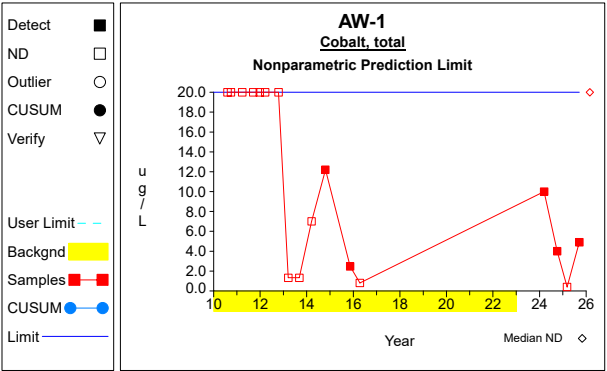
Graph 4



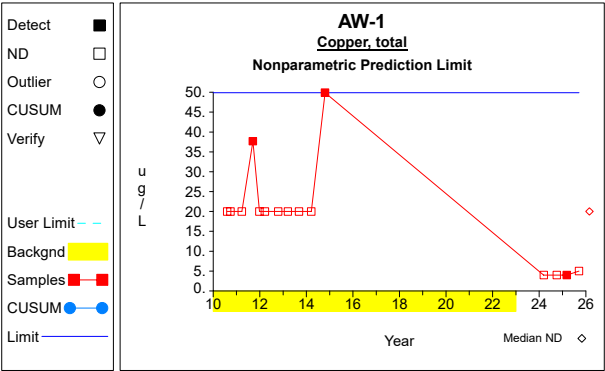
Graph 5



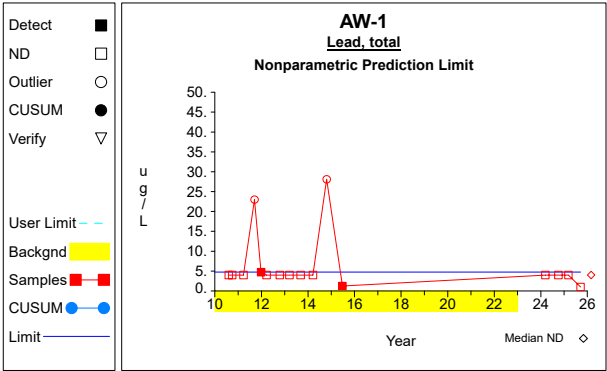
Graph 6



Graph 7

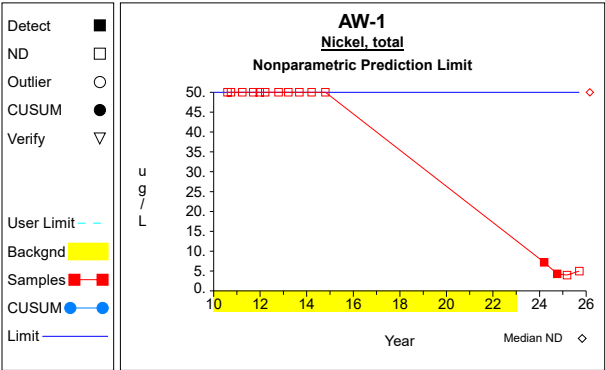


Graph 8

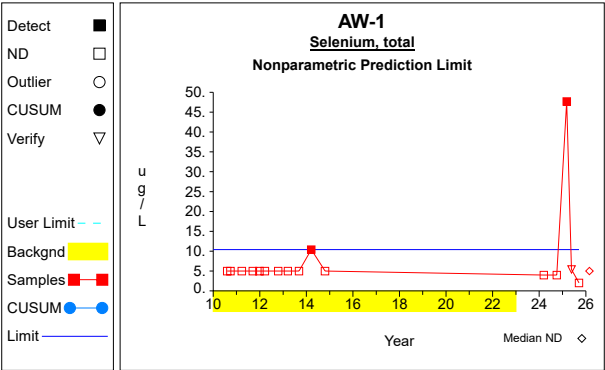


Graph 9

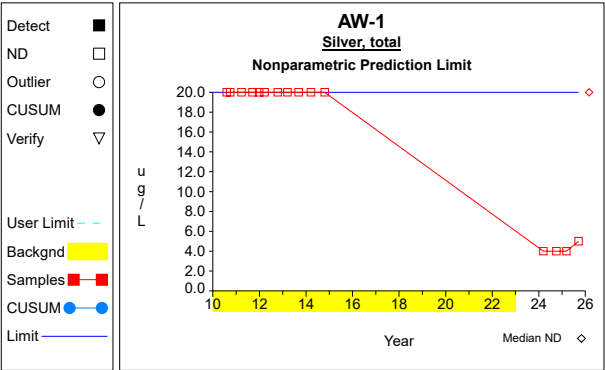
Intra-Well Control Charts / Prediction Limits



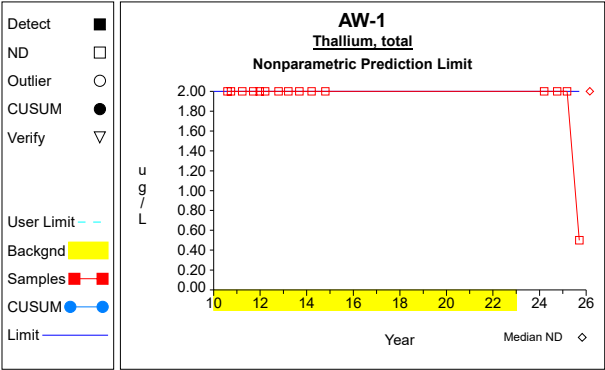
Graph 10



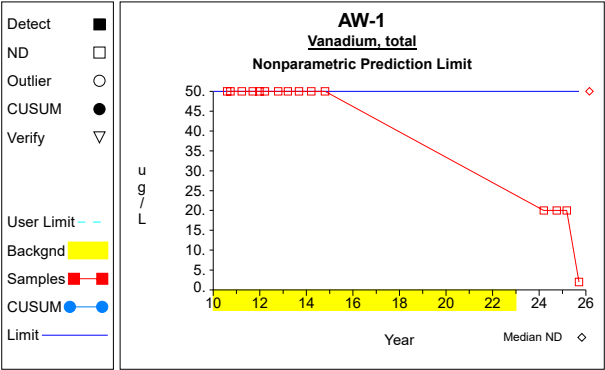
Graph 11



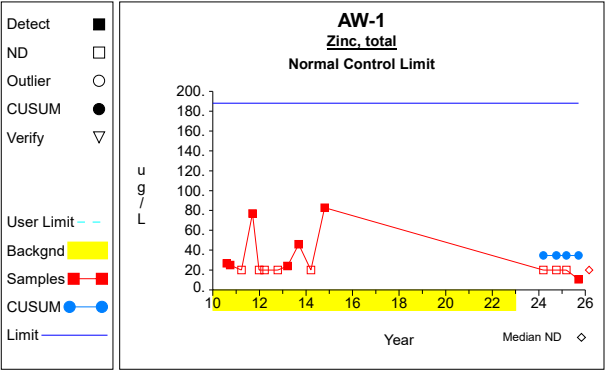
Graph 12



Graph 13

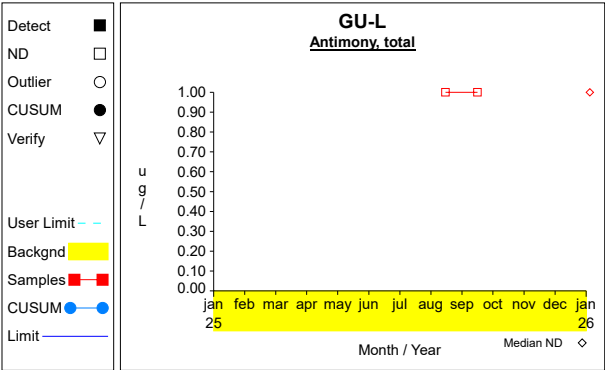


Graph 14

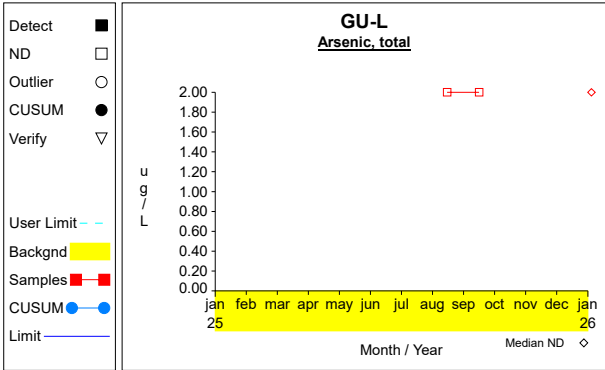


Graph 15

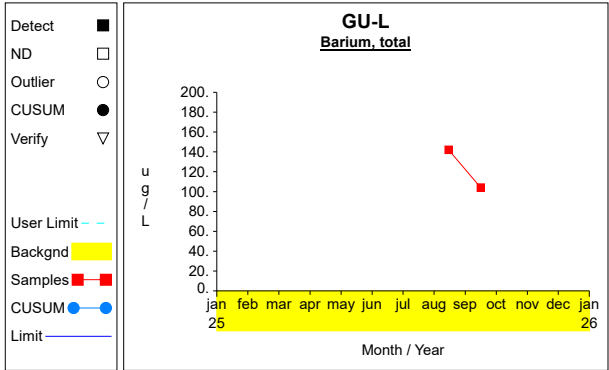
Intra-Well Control Charts / Prediction Limits



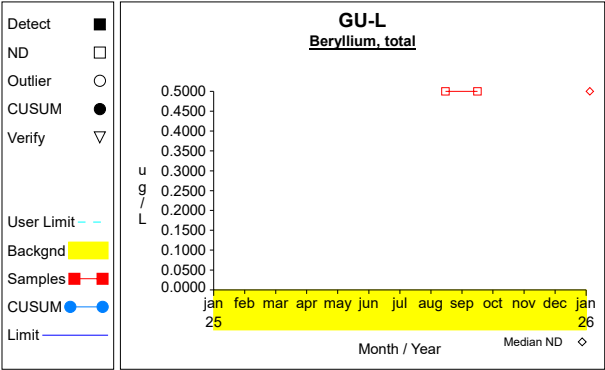
Graph 16



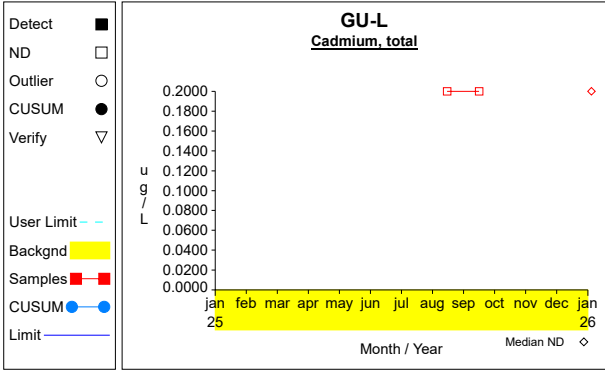
Graph 17



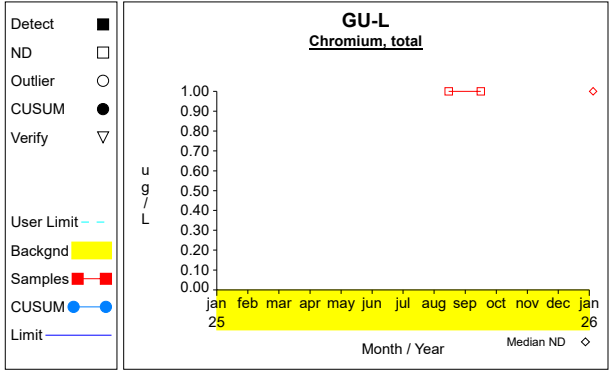
Graph 18



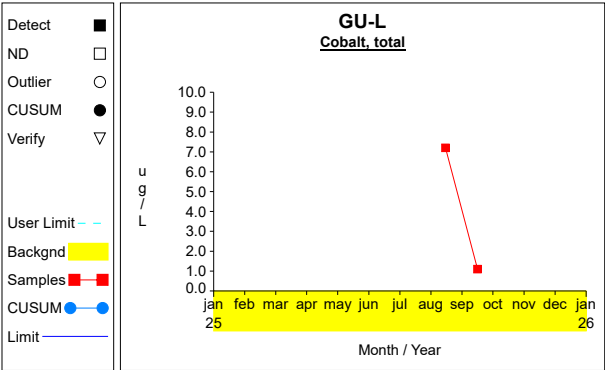
Graph 19



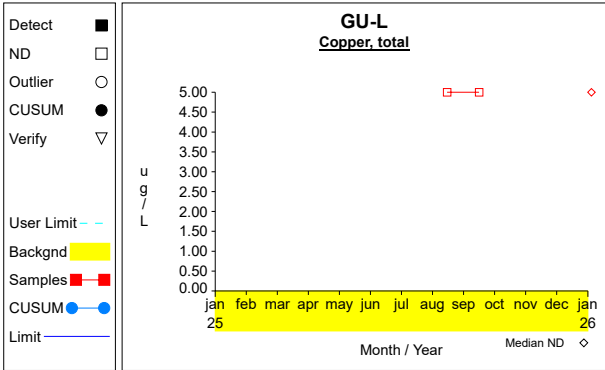
Graph 20



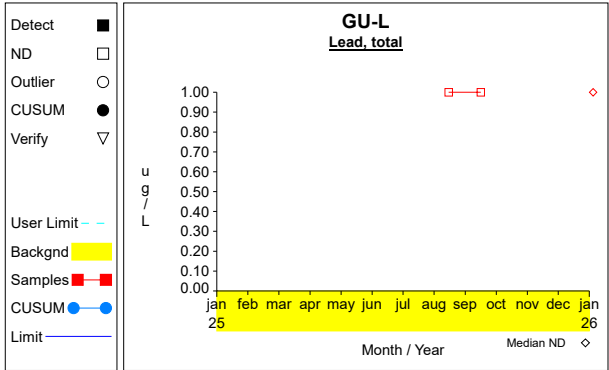
Graph 21



Graph 22

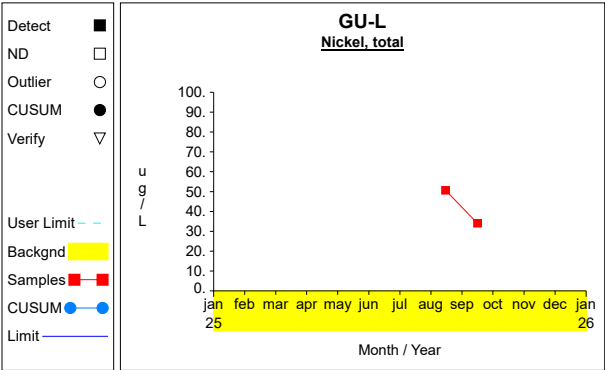


Graph 23

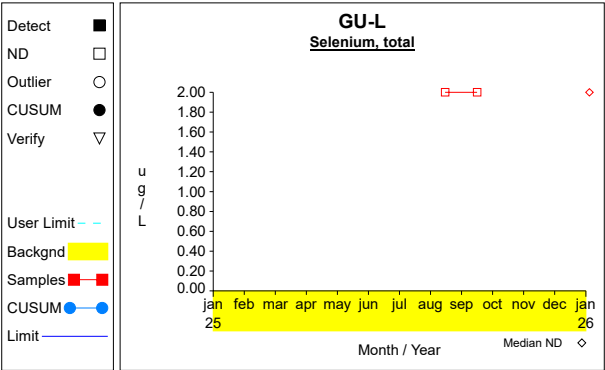


Graph 24

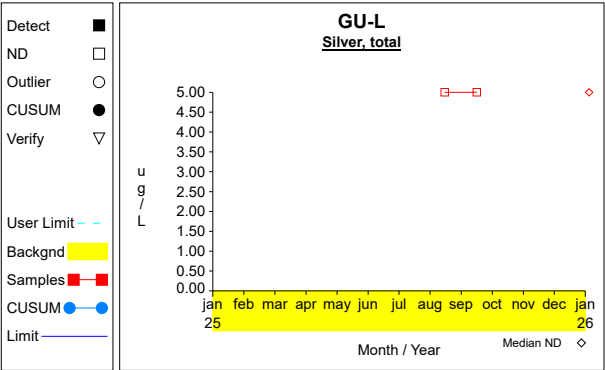
Intra-Well Control Charts / Prediction Limits



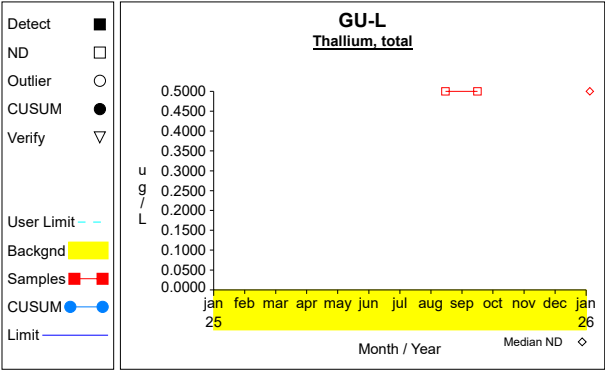
Graph 25



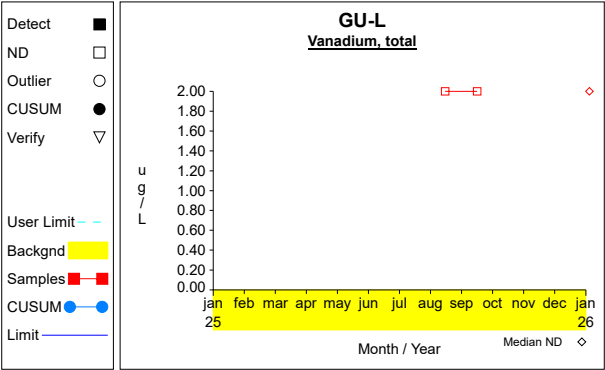
Graph 26



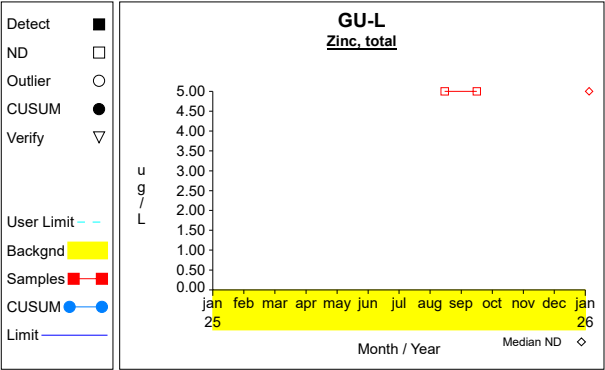
Graph 27



Graph 28

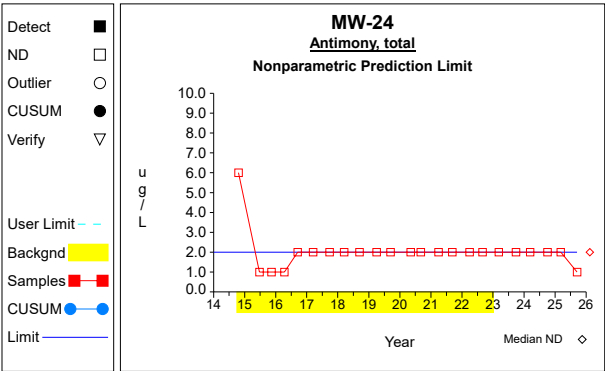


Graph 29

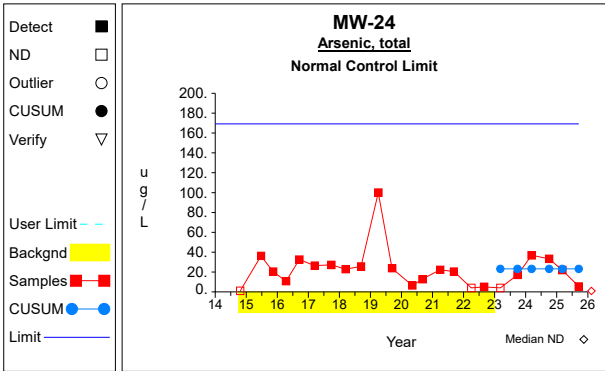


Graph 30

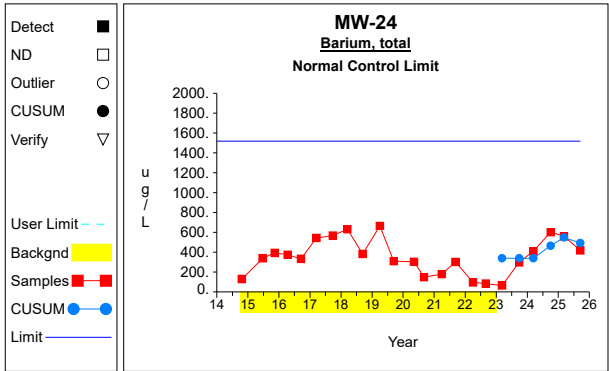
Intra-Well Control Charts / Prediction Limits



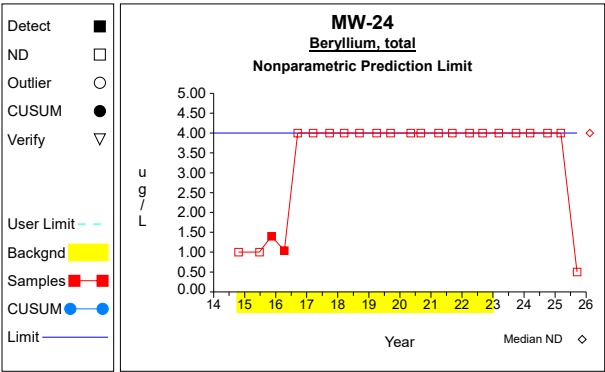
Graph 31



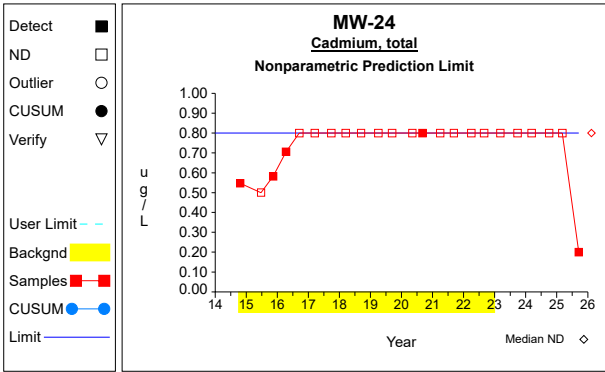
Graph 32



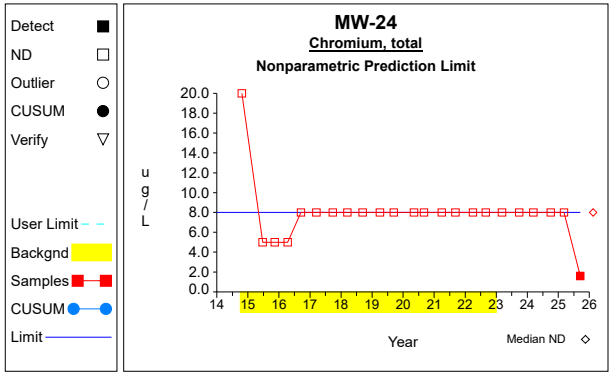
Graph 33



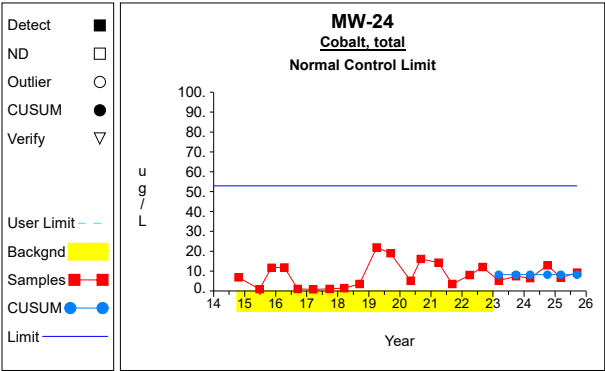
Graph 34



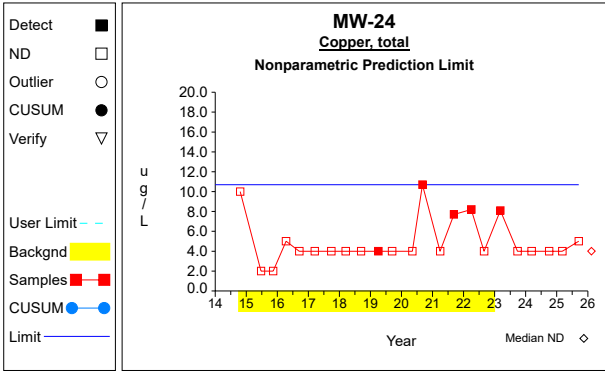
Graph 35



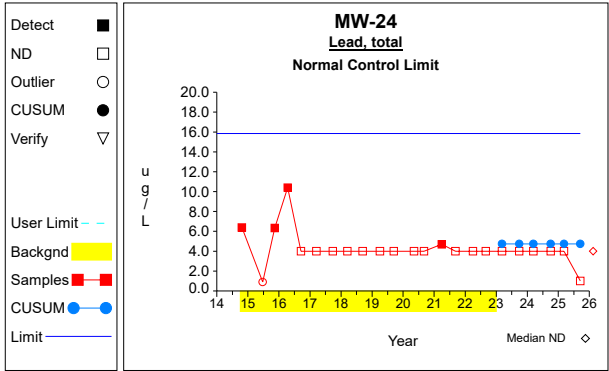
Graph 36



Graph 37

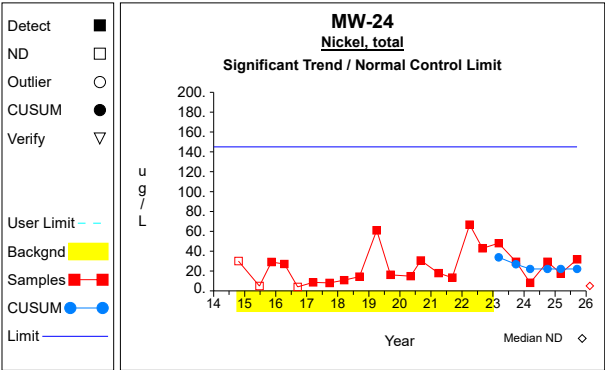


Graph 38

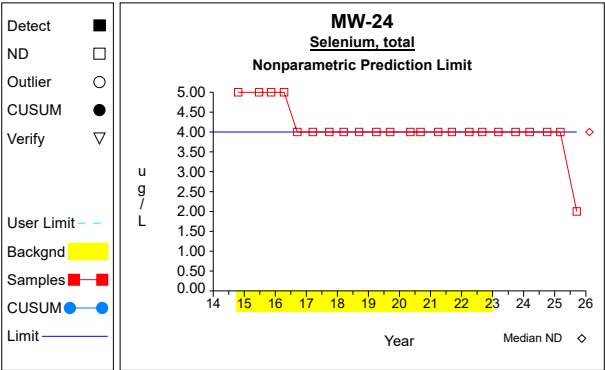


Graph 39

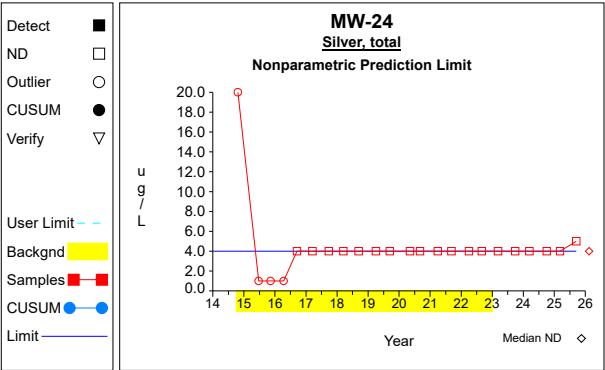
Intra-Well Control Charts / Prediction Limits



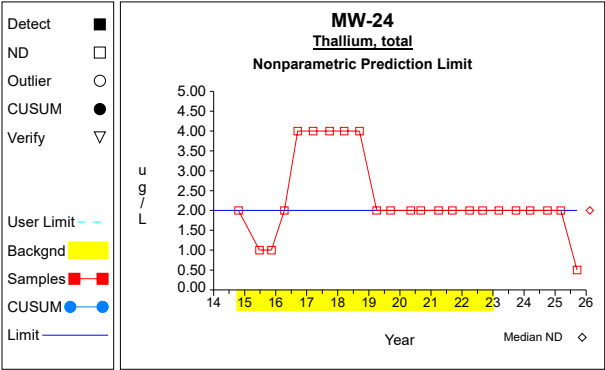
Graph 40



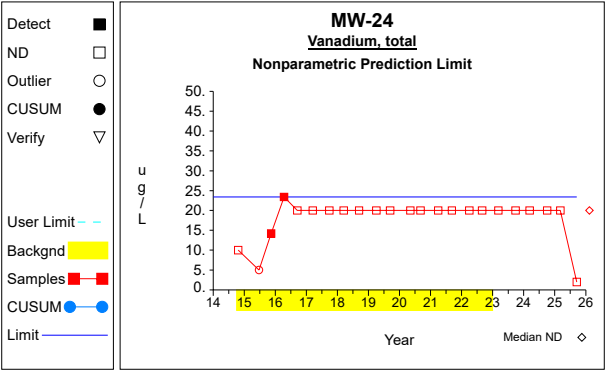
Graph 41



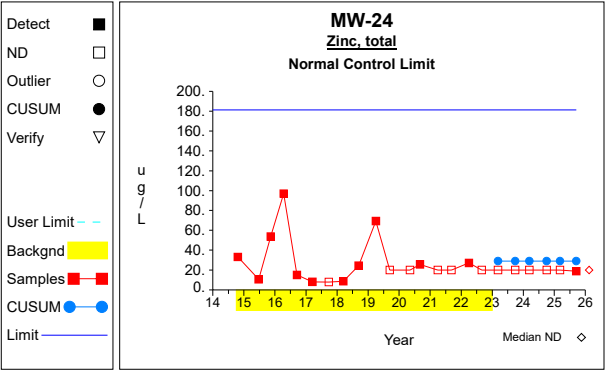
Graph 42



Graph 43



Graph 44



Graph 45

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Antimony, total	ug/L	AW-1	08/05/2010	yes	6.0000	ND				
Antimony, total	ug/L	AW-1	09/29/2010	yes	6.0000	ND				
Antimony, total	ug/L	AW-1	03/24/2011	yes	6.0000	ND				
Antimony, total	ug/L	AW-1	09/14/2011	yes	6.0000	ND				
Antimony, total	ug/L	AW-1	12/26/2011	yes	6.0000	ND				
Antimony, total	ug/L	AW-1	03/20/2012	yes	6.0000	ND				
Antimony, total	ug/L	AW-1	10/15/2012	yes	6.0000	ND				
Antimony, total	ug/L	AW-1	03/15/2013	yes	6.0000	ND				
Antimony, total	ug/L	AW-1	09/07/2013	yes	6.0000	ND				
Antimony, total	ug/L	AW-1	03/17/2014	yes	6.0000	ND				
Antimony, total	ug/L	AW-1	10/20/2014	yes	6.0000	ND				
Antimony, total	ug/L	AW-1	03/11/2024		2.0000	ND				
Antimony, total	ug/L	AW-1	10/02/2024		2.0000	ND				
Antimony, total	ug/L	AW-1	03/06/2025		2.0000	ND				
Antimony, total	ug/L	AW-1	09/16/2025		1.0000	ND				
Arsenic, total	ug/L	AW-1	08/05/2010	yes	1.0000	ND				
Arsenic, total	ug/L	AW-1	09/29/2010	yes	1.0000	ND				
Arsenic, total	ug/L	AW-1	03/24/2011	yes	1.0000	ND				
Arsenic, total	ug/L	AW-1	09/14/2011	yes	2.4900	ND				
Arsenic, total	ug/L	AW-1	12/26/2011	yes	1.0000	ND				
Arsenic, total	ug/L	AW-1	03/20/2012	yes	1.0000	ND				
Arsenic, total	ug/L	AW-1	10/15/2012	yes	1.0000	ND				
Arsenic, total	ug/L	AW-1	03/15/2013	yes	1.0000	ND				
Arsenic, total	ug/L	AW-1	09/07/2013	yes	1.0000	ND				
Arsenic, total	ug/L	AW-1	03/17/2014	yes	1.0000	ND				
Arsenic, total	ug/L	AW-1	10/20/2014	yes	3.8100	ND	yes			*
Arsenic, total	ug/L	AW-1	11/12/2015	yes	10.0000	ND				***
Arsenic, total	ug/L	AW-1	04/12/2016	yes	2.0000	ND			1.0000	***
Arsenic, total	ug/L	AW-1	03/11/2024		4.0000	ND				
Arsenic, total	ug/L	AW-1	10/02/2024		8.7000	ND				**
Arsenic, total	ug/L	AW-1	03/06/2025		4.0000	ND				
Arsenic, total	ug/L	AW-1	09/16/2025		2.0000	ND				
Barium, total	ug/L	AW-1	08/05/2010	yes	153.0000					
Barium, total	ug/L	AW-1	09/29/2010	yes	148.0000					
Barium, total	ug/L	AW-1	03/24/2011	yes	135.0000					
Barium, total	ug/L	AW-1	07/19/2011	yes	144.0000					
Barium, total	ug/L	AW-1	09/14/2011	yes	559.0000		yes			*
Barium, total	ug/L	AW-1	12/26/2011	yes	203.0000					
Barium, total	ug/L	AW-1	03/20/2012	yes	148.0000					
Barium, total	ug/L	AW-1	10/15/2012	yes	171.0000					
Barium, total	ug/L	AW-1	03/15/2013	yes	124.0000					
Barium, total	ug/L	AW-1	09/07/2013	yes	188.0000					
Barium, total	ug/L	AW-1	03/17/2014	yes	132.0000					
Barium, total	ug/L	AW-1	10/20/2014	yes	637.0000		yes			*
Barium, total	ug/L	AW-1	03/11/2024		361.0000			335.7009		**
Barium, total	ug/L	AW-1	10/02/2024		413.0000			387.7009		**
Barium, total	ug/L	AW-1	03/06/2025		167.0000			154.6000		
Barium, total	ug/L	AW-1	09/16/2025		356.0000			330.7009		**
Beryllium, total	ug/L	AW-1	08/05/2010	yes	1.0000	ND				
Beryllium, total	ug/L	AW-1	09/29/2010	yes	1.0000	ND				

* - Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Beryllium, total	ug/L	AW-1	03/24/2011	yes	1.0000	ND				
Beryllium, total	ug/L	AW-1	09/14/2011	yes	2.5700					
Beryllium, total	ug/L	AW-1	12/26/2011	yes	1.0000	ND				
Beryllium, total	ug/L	AW-1	03/20/2012	yes	1.0000	ND				
Beryllium, total	ug/L	AW-1	10/15/2012	yes	1.0000	ND				
Beryllium, total	ug/L	AW-1	03/15/2013	yes	1.0000	ND				
Beryllium, total	ug/L	AW-1	09/07/2013	yes	1.0000	ND				
Beryllium, total	ug/L	AW-1	03/17/2014	yes	1.0000	ND				
Beryllium, total	ug/L	AW-1	10/20/2014	yes	2.1800					
Beryllium, total	ug/L	AW-1	03/11/2024		4.0000	ND				
Beryllium, total	ug/L	AW-1	10/02/2024		4.0000	ND				
Beryllium, total	ug/L	AW-1	03/06/2025		4.0000	ND				
Beryllium, total	ug/L	AW-1	09/16/2025		0.5000	ND				
Cadmium, total	ug/L	AW-1	08/05/2010	yes	0.5000	ND				
Cadmium, total	ug/L	AW-1	09/29/2010	yes	0.5000	ND				
Cadmium, total	ug/L	AW-1	03/24/2011	yes	0.5000	ND				
Cadmium, total	ug/L	AW-1	09/14/2011	yes	1.6000		yes			*
Cadmium, total	ug/L	AW-1	12/26/2011	yes	0.5000	ND				
Cadmium, total	ug/L	AW-1	03/20/2012	yes	0.5000	ND				
Cadmium, total	ug/L	AW-1	10/15/2012	yes	0.5000	ND				
Cadmium, total	ug/L	AW-1	03/15/2013	yes	0.5000	ND				
Cadmium, total	ug/L	AW-1	09/07/2013	yes	0.5000	ND				
Cadmium, total	ug/L	AW-1	03/17/2014	yes	0.5000	ND				
Cadmium, total	ug/L	AW-1	10/20/2014	yes	1.5200		yes			*
Cadmium, total	ug/L	AW-1	03/11/2024		0.8000	ND				
Cadmium, total	ug/L	AW-1	10/02/2024		0.8000	ND				
Cadmium, total	ug/L	AW-1	03/06/2025		0.8000	ND				
Cadmium, total	ug/L	AW-1	09/16/2025		0.2000	ND				
Chromium, total	ug/L	AW-1	08/05/2010	yes	20.0000	ND				
Chromium, total	ug/L	AW-1	09/29/2010	yes	20.0000	ND				
Chromium, total	ug/L	AW-1	03/24/2011	yes	20.0000	ND				
Chromium, total	ug/L	AW-1	09/14/2011	yes	20.0000	ND				
Chromium, total	ug/L	AW-1	12/26/2011	yes	20.0000	ND				
Chromium, total	ug/L	AW-1	03/20/2012	yes	20.0000	ND				
Chromium, total	ug/L	AW-1	10/15/2012	yes	20.0000	ND				
Chromium, total	ug/L	AW-1	03/15/2013	yes	20.0000	ND				
Chromium, total	ug/L	AW-1	09/07/2013	yes	20.0000	ND				
Chromium, total	ug/L	AW-1	03/17/2014	yes	20.0000	ND				
Chromium, total	ug/L	AW-1	10/20/2014	yes	5.0000	ND	yes			*
Chromium, total	ug/L	AW-1	03/11/2024		8.0000	ND				
Chromium, total	ug/L	AW-1	10/02/2024		8.0000	ND				
Chromium, total	ug/L	AW-1	03/06/2025		8.0000	ND				
Chromium, total	ug/L	AW-1	09/16/2025		1.0000	ND				
Cobalt, total	ug/L	AW-1	08/05/2010	yes	20.0000	ND				
Cobalt, total	ug/L	AW-1	09/29/2010	yes	20.0000	ND				
Cobalt, total	ug/L	AW-1	03/24/2011	yes	20.0000	ND				
Cobalt, total	ug/L	AW-1	09/14/2011	yes	20.0000	ND				
Cobalt, total	ug/L	AW-1	12/26/2011	yes	20.0000	ND				
Cobalt, total	ug/L	AW-1	03/20/2012	yes	20.0000	ND				
Cobalt, total	ug/L	AW-1	10/15/2012	yes	20.0000	ND				

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**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cobalt, total	ug/L	AW-1	03/15/2013	yes	1.3200	ND			20.0000	***
Cobalt, total	ug/L	AW-1	09/07/2013	yes	1.3200	ND			20.0000	***
Cobalt, total	ug/L	AW-1	03/17/2014	yes	7.0000	ND			20.0000	***
Cobalt, total	ug/L	AW-1	10/20/2014	yes	12.2000					
Cobalt, total	ug/L	AW-1	11/12/2015	yes	2.4700					
Cobalt, total	ug/L	AW-1	04/12/2016	yes	0.8000	ND			20.0000	***
Cobalt, total	ug/L	AW-1	03/11/2024		10.0000					
Cobalt, total	ug/L	AW-1	10/02/2024		4.0000					
Cobalt, total	ug/L	AW-1	03/06/2025		0.4000	ND				
Cobalt, total	ug/L	AW-1	09/16/2025		4.9000					
Copper, total	ug/L	AW-1	08/05/2010	yes	20.0000	ND				
Copper, total	ug/L	AW-1	09/29/2010	yes	20.0000	ND				
Copper, total	ug/L	AW-1	03/24/2011	yes	20.0000	ND				
Copper, total	ug/L	AW-1	09/14/2011	yes	37.7000					
Copper, total	ug/L	AW-1	12/26/2011	yes	20.0000	ND				
Copper, total	ug/L	AW-1	03/20/2012	yes	20.0000	ND				
Copper, total	ug/L	AW-1	10/15/2012	yes	20.0000	ND				
Copper, total	ug/L	AW-1	03/15/2013	yes	20.0000	ND				
Copper, total	ug/L	AW-1	09/07/2013	yes	20.0000	ND				
Copper, total	ug/L	AW-1	03/17/2014	yes	20.0000	ND				
Copper, total	ug/L	AW-1	10/20/2014	yes	49.9000					
Copper, total	ug/L	AW-1	03/11/2024		4.0000	ND				
Copper, total	ug/L	AW-1	10/02/2024		4.0000	ND				
Copper, total	ug/L	AW-1	03/06/2025		4.0000					
Copper, total	ug/L	AW-1	09/16/2025		5.0000	ND				
Lead, total	ug/L	AW-1	08/05/2010	yes	4.0000	ND				
Lead, total	ug/L	AW-1	09/29/2010	yes	4.0000	ND				
Lead, total	ug/L	AW-1	03/24/2011	yes	4.0000	ND				
Lead, total	ug/L	AW-1	09/14/2011	yes	23.0000		yes			*
Lead, total	ug/L	AW-1	12/26/2011	yes	4.7300					
Lead, total	ug/L	AW-1	03/20/2012	yes	4.0000	ND				
Lead, total	ug/L	AW-1	10/15/2012	yes	4.0000	ND				
Lead, total	ug/L	AW-1	03/15/2013	yes	4.0000	ND				
Lead, total	ug/L	AW-1	09/07/2013	yes	4.0000	ND				
Lead, total	ug/L	AW-1	03/17/2014	yes	4.0000	ND				
Lead, total	ug/L	AW-1	10/20/2014	yes	28.1000		yes			*
Lead, total	ug/L	AW-1	06/23/2015	yes	1.2300					
Lead, total	ug/L	AW-1	03/11/2024		4.0000	ND				
Lead, total	ug/L	AW-1	10/02/2024		4.0000	ND				
Lead, total	ug/L	AW-1	03/06/2025		4.0000	ND				
Lead, total	ug/L	AW-1	09/16/2025		1.0000	ND				
Nickel, total	ug/L	AW-1	08/05/2010	yes	50.0000	ND				
Nickel, total	ug/L	AW-1	09/29/2010	yes	50.0000	ND				
Nickel, total	ug/L	AW-1	03/24/2011	yes	50.0000	ND				
Nickel, total	ug/L	AW-1	09/14/2011	yes	50.0000	ND				
Nickel, total	ug/L	AW-1	12/26/2011	yes	50.0000	ND				
Nickel, total	ug/L	AW-1	03/20/2012	yes	50.0000	ND				
Nickel, total	ug/L	AW-1	10/15/2012	yes	50.0000	ND				
Nickel, total	ug/L	AW-1	03/15/2013	yes	50.0000	ND				
Nickel, total	ug/L	AW-1	09/07/2013	yes	50.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Nickel, total	ug/L	AW-1	03/17/2014	yes	50.0000	ND				
Nickel, total	ug/L	AW-1	10/20/2014	yes	50.0000	ND				
Nickel, total	ug/L	AW-1	03/11/2024		7.2000					
Nickel, total	ug/L	AW-1	10/02/2024		4.3000					
Nickel, total	ug/L	AW-1	03/06/2025		4.0000	ND				
Nickel, total	ug/L	AW-1	09/16/2025		5.0000	ND				
Selenium, total	ug/L	AW-1	08/05/2010	yes	5.0000	ND				
Selenium, total	ug/L	AW-1	09/29/2010	yes	5.0000	ND				
Selenium, total	ug/L	AW-1	03/24/2011	yes	5.0000	ND				
Selenium, total	ug/L	AW-1	09/14/2011	yes	5.0000	ND				
Selenium, total	ug/L	AW-1	12/26/2011	yes	5.0000	ND				
Selenium, total	ug/L	AW-1	03/20/2012	yes	5.0000	ND				
Selenium, total	ug/L	AW-1	10/15/2012	yes	5.0000	ND				
Selenium, total	ug/L	AW-1	03/15/2013	yes	5.0000	ND				
Selenium, total	ug/L	AW-1	09/07/2013	yes	5.0000	ND				
Selenium, total	ug/L	AW-1	03/17/2014	yes	10.4000					
Selenium, total	ug/L	AW-1	10/20/2014	yes	5.0000	ND				
Selenium, total	ug/L	AW-1	03/11/2024		4.0000	ND				
Selenium, total	ug/L	AW-1	10/02/2024		4.0000	ND				
Selenium, total	ug/L	AW-1	03/06/2025		47.7000					**
Selenium, total	ug/L	AW-1	05/22/2025		5.4000					
Selenium, total	ug/L	AW-1	09/16/2025		2.0000	ND				
Silver, total	ug/L	AW-1	08/05/2010	yes	20.0000	ND				
Silver, total	ug/L	AW-1	09/29/2010	yes	20.0000	ND				
Silver, total	ug/L	AW-1	03/24/2011	yes	20.0000	ND				
Silver, total	ug/L	AW-1	09/14/2011	yes	20.0000	ND				
Silver, total	ug/L	AW-1	12/26/2011	yes	20.0000	ND				
Silver, total	ug/L	AW-1	03/20/2012	yes	20.0000	ND				
Silver, total	ug/L	AW-1	10/15/2012	yes	20.0000	ND				
Silver, total	ug/L	AW-1	03/15/2013	yes	20.0000	ND				
Silver, total	ug/L	AW-1	09/07/2013	yes	20.0000	ND				
Silver, total	ug/L	AW-1	03/17/2014	yes	20.0000	ND				
Silver, total	ug/L	AW-1	10/20/2014	yes	20.0000	ND				
Silver, total	ug/L	AW-1	03/11/2024		4.0000	ND				
Silver, total	ug/L	AW-1	10/02/2024		4.0000	ND				
Silver, total	ug/L	AW-1	03/06/2025		4.0000	ND				
Silver, total	ug/L	AW-1	09/16/2025		5.0000	ND				
Thallium, total	ug/L	AW-1	08/05/2010	yes	2.0000	ND				
Thallium, total	ug/L	AW-1	09/29/2010	yes	2.0000	ND				
Thallium, total	ug/L	AW-1	03/24/2011	yes	2.0000	ND				
Thallium, total	ug/L	AW-1	09/14/2011	yes	2.0000	ND				
Thallium, total	ug/L	AW-1	12/26/2011	yes	2.0000	ND				
Thallium, total	ug/L	AW-1	03/20/2012	yes	2.0000	ND				
Thallium, total	ug/L	AW-1	10/15/2012	yes	2.0000	ND				
Thallium, total	ug/L	AW-1	03/15/2013	yes	2.0000	ND				
Thallium, total	ug/L	AW-1	09/07/2013	yes	2.0000	ND				
Thallium, total	ug/L	AW-1	03/17/2014	yes	2.0000	ND				
Thallium, total	ug/L	AW-1	10/20/2014	yes	2.0000	ND				
Thallium, total	ug/L	AW-1	03/11/2024		2.0000	ND				
Thallium, total	ug/L	AW-1	10/02/2024		2.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Thallium, total	ug/L	AW-1	03/06/2025		2.0000	ND				
Thallium, total	ug/L	AW-1	09/16/2025		0.5000	ND				
Vanadium, total	ug/L	AW-1	08/05/2010	yes	50.0000	ND				
Vanadium, total	ug/L	AW-1	09/29/2010	yes	50.0000	ND				
Vanadium, total	ug/L	AW-1	03/24/2011	yes	50.0000	ND				
Vanadium, total	ug/L	AW-1	09/14/2011	yes	50.0000	ND				
Vanadium, total	ug/L	AW-1	12/26/2011	yes	50.0000	ND				
Vanadium, total	ug/L	AW-1	03/20/2012	yes	50.0000	ND				
Vanadium, total	ug/L	AW-1	10/15/2012	yes	50.0000	ND				
Vanadium, total	ug/L	AW-1	03/15/2013	yes	50.0000	ND				
Vanadium, total	ug/L	AW-1	09/07/2013	yes	50.0000	ND				
Vanadium, total	ug/L	AW-1	03/17/2014	yes	50.0000	ND				
Vanadium, total	ug/L	AW-1	10/20/2014	yes	50.0000	ND				
Vanadium, total	ug/L	AW-1	03/11/2024		20.0000	ND				
Vanadium, total	ug/L	AW-1	10/02/2024		20.0000	ND				
Vanadium, total	ug/L	AW-1	03/06/2025		20.0000	ND				
Vanadium, total	ug/L	AW-1	09/16/2025		2.0000	ND				
Zinc, total	ug/L	AW-1	08/05/2010	yes	26.8000					
Zinc, total	ug/L	AW-1	09/29/2010	yes	25.0000					
Zinc, total	ug/L	AW-1	03/24/2011	yes	20.0000	ND				
Zinc, total	ug/L	AW-1	09/14/2011	yes	77.0000					
Zinc, total	ug/L	AW-1	12/26/2011	yes	20.0000	ND				
Zinc, total	ug/L	AW-1	03/20/2012	yes	20.0000	ND				
Zinc, total	ug/L	AW-1	10/15/2012	yes	20.0000	ND				
Zinc, total	ug/L	AW-1	03/15/2013	yes	24.1000					
Zinc, total	ug/L	AW-1	09/07/2013	yes	45.9000					
Zinc, total	ug/L	AW-1	03/17/2014	yes	20.0000	ND				
Zinc, total	ug/L	AW-1	10/20/2014	yes	82.7000					
Zinc, total	ug/L	AW-1	03/11/2024		20.0000	ND		34.6818		
Zinc, total	ug/L	AW-1	10/02/2024		20.0000	ND		34.6818		
Zinc, total	ug/L	AW-1	03/06/2025		20.0000	ND		34.6818		
Zinc, total	ug/L	AW-1	09/16/2025		10.7000			34.6818		
Antimony, total	ug/L	GU-L	08/15/2025	yes	1.0000	ND				
Antimony, total	ug/L	GU-L	09/16/2025	yes	1.0000	ND				
Arsenic, total	ug/L	GU-L	08/15/2025	yes	2.0000	ND				
Arsenic, total	ug/L	GU-L	09/16/2025	yes	2.0000	ND				
Barium, total	ug/L	GU-L	08/15/2025	yes	142.0000					
Barium, total	ug/L	GU-L	09/16/2025	yes	104.0000					
Beryllium, total	ug/L	GU-L	08/15/2025	yes	0.5000	ND				
Beryllium, total	ug/L	GU-L	09/16/2025	yes	0.5000	ND				
Cadmium, total	ug/L	GU-L	08/15/2025	yes	0.2000	ND				
Cadmium, total	ug/L	GU-L	09/16/2025	yes	0.2000	ND				
Chromium, total	ug/L	GU-L	08/15/2025	yes	1.0000	ND				
Chromium, total	ug/L	GU-L	09/16/2025	yes	1.0000	ND				
Cobalt, total	ug/L	GU-L	08/15/2025	yes	7.2000					
Cobalt, total	ug/L	GU-L	09/16/2025	yes	1.1000					
Copper, total	ug/L	GU-L	08/15/2025	yes	5.0000	ND				
Copper, total	ug/L	GU-L	09/16/2025	yes	5.0000	ND				
Lead, total	ug/L	GU-L	08/15/2025	yes	1.0000	ND				
Lead, total	ug/L	GU-L	09/16/2025	yes	1.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Nickel, total	ug/L	GU-L	08/15/2025	yes	50.7000					
Nickel, total	ug/L	GU-L	09/16/2025	yes	34.0000					
Selenium, total	ug/L	GU-L	08/15/2025	yes	2.0000	ND				
Selenium, total	ug/L	GU-L	09/16/2025	yes	2.0000	ND				
Silver, total	ug/L	GU-L	08/15/2025	yes	5.0000	ND				
Silver, total	ug/L	GU-L	09/16/2025	yes	5.0000	ND				
Thallium, total	ug/L	GU-L	08/15/2025	yes	0.5000	ND				
Thallium, total	ug/L	GU-L	09/16/2025	yes	0.5000	ND				
Vanadium, total	ug/L	GU-L	08/15/2025	yes	2.0000	ND				
Vanadium, total	ug/L	GU-L	09/16/2025	yes	2.0000	ND				
Zinc, total	ug/L	GU-L	08/15/2025	yes	5.0000	ND				
Zinc, total	ug/L	GU-L	09/16/2025	yes	5.0000	ND				
Antimony, total	ug/L	MW-24	10/21/2014	yes	6.0000	ND			2.0000	***
Antimony, total	ug/L	MW-24	06/23/2015	yes	1.0000	ND			2.0000	***
Antimony, total	ug/L	MW-24	11/12/2015	yes	1.0000	ND			2.0000	***
Antimony, total	ug/L	MW-24	04/12/2016	yes	1.0000	ND			2.0000	***
Antimony, total	ug/L	MW-24	09/16/2016	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	03/15/2017	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	09/27/2017	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	03/14/2018	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	09/12/2018	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	04/01/2019	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	09/12/2019	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	05/06/2020	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	09/03/2020	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	03/30/2021	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	09/08/2021	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	03/31/2022	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	08/30/2022	yes	2.0000	ND				
Antimony, total	ug/L	MW-24	03/07/2023		2.0000	ND				
Antimony, total	ug/L	MW-24	09/28/2023		2.0000	ND				
Antimony, total	ug/L	MW-24	03/11/2024		2.0000	ND				
Antimony, total	ug/L	MW-24	10/02/2024		2.0000	ND				
Antimony, total	ug/L	MW-24	03/06/2025		2.0000	ND				
Antimony, total	ug/L	MW-24	09/16/2025		1.0000	ND				
Arsenic, total	ug/L	MW-24	10/21/2014	yes	1.0000	ND				
Arsenic, total	ug/L	MW-24	06/23/2015	yes	36.3000					
Arsenic, total	ug/L	MW-24	11/12/2015	yes	20.4000					
Arsenic, total	ug/L	MW-24	04/12/2016	yes	10.8000					
Arsenic, total	ug/L	MW-24	09/16/2016	yes	32.6000					
Arsenic, total	ug/L	MW-24	03/15/2017	yes	26.4000					
Arsenic, total	ug/L	MW-24	09/27/2017	yes	27.2000					
Arsenic, total	ug/L	MW-24	03/14/2018	yes	22.9000					
Arsenic, total	ug/L	MW-24	09/12/2018	yes	25.6000					
Arsenic, total	ug/L	MW-24	04/01/2019	yes	100.0000					
Arsenic, total	ug/L	MW-24	09/12/2019	yes	23.8000					
Arsenic, total	ug/L	MW-24	05/06/2020	yes	6.5000					
Arsenic, total	ug/L	MW-24	09/03/2020	yes	12.8000					
Arsenic, total	ug/L	MW-24	03/30/2021	yes	22.3000					
Arsenic, total	ug/L	MW-24	09/08/2021	yes	20.5000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Arsenic, total	ug/L	MW-24	03/31/2022	yes	4.0000	ND			1.0000	***
Arsenic, total	ug/L	MW-24	08/30/2022	yes	5.1000					
Arsenic, total	ug/L	MW-24	03/07/2023		4.0000	ND		23.2471		
Arsenic, total	ug/L	MW-24	09/28/2023		17.1000			23.2471		
Arsenic, total	ug/L	MW-24	03/11/2024		36.9000			23.2471		
Arsenic, total	ug/L	MW-24	10/02/2024		33.3000			23.2471		
Arsenic, total	ug/L	MW-24	03/06/2025		22.0000			23.2471		
Arsenic, total	ug/L	MW-24	09/16/2025		5.5000			23.2471		
Barium, total	ug/L	MW-24	10/21/2014	yes	130.0000					
Barium, total	ug/L	MW-24	06/23/2015	yes	339.0000					
Barium, total	ug/L	MW-24	11/12/2015	yes	393.0000					
Barium, total	ug/L	MW-24	04/12/2016	yes	374.0000					
Barium, total	ug/L	MW-24	09/16/2016	yes	333.0000					
Barium, total	ug/L	MW-24	03/15/2017	yes	544.0000					
Barium, total	ug/L	MW-24	09/27/2017	yes	567.0000					
Barium, total	ug/L	MW-24	03/14/2018	yes	632.0000					
Barium, total	ug/L	MW-24	09/12/2018	yes	382.0000					
Barium, total	ug/L	MW-24	04/01/2019	yes	665.0000					
Barium, total	ug/L	MW-24	09/12/2019	yes	310.0000					
Barium, total	ug/L	MW-24	05/06/2020	yes	303.0000					
Barium, total	ug/L	MW-24	09/03/2020	yes	149.0000					
Barium, total	ug/L	MW-24	03/30/2021	yes	179.0000					
Barium, total	ug/L	MW-24	09/08/2021	yes	302.0000					
Barium, total	ug/L	MW-24	03/31/2022	yes	96.2000					
Barium, total	ug/L	MW-24	08/30/2022	yes	82.7000					
Barium, total	ug/L	MW-24	03/07/2023		65.1000			340.0529		
Barium, total	ug/L	MW-24	09/28/2023		298.0000			340.0529		
Barium, total	ug/L	MW-24	03/11/2024		409.0000			340.0529		
Barium, total	ug/L	MW-24	10/02/2024		602.0000			466.0567		
Barium, total	ug/L	MW-24	03/06/2025		559.0000			549.0605		
Barium, total	ug/L	MW-24	09/16/2025		419.0000			492.0643		
Beryllium, total	ug/L	MW-24	10/21/2014	yes	1.0000	ND			4.0000	***
Beryllium, total	ug/L	MW-24	06/23/2015	yes	1.0000	ND			4.0000	***
Beryllium, total	ug/L	MW-24	11/12/2015	yes	1.4000					
Beryllium, total	ug/L	MW-24	04/12/2016	yes	1.0400					
Beryllium, total	ug/L	MW-24	09/16/2016	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	03/15/2017	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	09/27/2017	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	03/14/2018	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	09/12/2018	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	04/01/2019	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	09/12/2019	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	05/06/2020	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	09/03/2020	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	03/30/2021	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	09/08/2021	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	03/31/2022	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	08/30/2022	yes	4.0000	ND				
Beryllium, total	ug/L	MW-24	03/07/2023		4.0000	ND				
Beryllium, total	ug/L	MW-24	09/28/2023		4.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Beryllium, total	ug/L	MW-24	03/11/2024		4.0000	ND				
Beryllium, total	ug/L	MW-24	10/02/2024		4.0000	ND				
Beryllium, total	ug/L	MW-24	03/06/2025		4.0000	ND				
Beryllium, total	ug/L	MW-24	09/16/2025		0.5000	ND				
Cadmium, total	ug/L	MW-24	10/21/2014	yes	0.5470				0.8000	***
Cadmium, total	ug/L	MW-24	06/23/2015	yes	0.5000	ND				
Cadmium, total	ug/L	MW-24	11/12/2015	yes	0.5820					
Cadmium, total	ug/L	MW-24	04/12/2016	yes	0.7060					
Cadmium, total	ug/L	MW-24	09/16/2016	yes	0.8000	ND				
Cadmium, total	ug/L	MW-24	03/15/2017	yes	0.8000	ND				
Cadmium, total	ug/L	MW-24	09/27/2017	yes	0.8000	ND				
Cadmium, total	ug/L	MW-24	03/14/2018	yes	0.8000	ND				
Cadmium, total	ug/L	MW-24	09/12/2018	yes	0.8000	ND				
Cadmium, total	ug/L	MW-24	04/01/2019	yes	0.8000	ND				
Cadmium, total	ug/L	MW-24	09/12/2019	yes	0.8000	ND				
Cadmium, total	ug/L	MW-24	05/06/2020	yes	0.8000	ND				
Cadmium, total	ug/L	MW-24	09/03/2020	yes	0.8000					
Cadmium, total	ug/L	MW-24	03/30/2021	yes	0.8000	ND				
Cadmium, total	ug/L	MW-24	09/08/2021	yes	0.8000	ND				
Cadmium, total	ug/L	MW-24	03/31/2022	yes	0.8000	ND				
Cadmium, total	ug/L	MW-24	08/30/2022	yes	0.8000	ND				
Cadmium, total	ug/L	MW-24	03/07/2023		0.8000	ND				
Cadmium, total	ug/L	MW-24	09/28/2023		0.8000	ND				
Cadmium, total	ug/L	MW-24	03/11/2024		0.8000	ND				
Cadmium, total	ug/L	MW-24	10/02/2024		0.8000	ND				
Cadmium, total	ug/L	MW-24	03/06/2025		0.8000	ND				
Cadmium, total	ug/L	MW-24	09/16/2025		0.2000					
Chromium, total	ug/L	MW-24	10/21/2014	yes	20.0000	ND			8.0000	***
Chromium, total	ug/L	MW-24	06/23/2015	yes	5.0000	ND			8.0000	***
Chromium, total	ug/L	MW-24	11/12/2015	yes	5.0000	ND			8.0000	***
Chromium, total	ug/L	MW-24	04/12/2016	yes	5.0000	ND			8.0000	***
Chromium, total	ug/L	MW-24	09/16/2016	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	03/15/2017	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	09/27/2017	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	03/14/2018	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	09/12/2018	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	04/01/2019	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	09/12/2019	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	05/06/2020	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	09/03/2020	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	03/30/2021	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	09/08/2021	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	03/31/2022	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	08/30/2022	yes	8.0000	ND				
Chromium, total	ug/L	MW-24	03/07/2023		8.0000	ND				
Chromium, total	ug/L	MW-24	09/28/2023		8.0000	ND				
Chromium, total	ug/L	MW-24	03/11/2024		8.0000	ND				
Chromium, total	ug/L	MW-24	10/02/2024		8.0000	ND				
Chromium, total	ug/L	MW-24	03/06/2025		8.0000	ND				
Chromium, total	ug/L	MW-24	09/16/2025		1.6000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cobalt, total	ug/L	MW-24	10/21/2014	yes	6.8000					
Cobalt, total	ug/L	MW-24	06/23/2015	yes	0.8340					
Cobalt, total	ug/L	MW-24	11/12/2015	yes	11.7000					
Cobalt, total	ug/L	MW-24	04/12/2016	yes	11.8000					
Cobalt, total	ug/L	MW-24	09/16/2016	yes	1.0000					
Cobalt, total	ug/L	MW-24	03/15/2017	yes	0.8000					
Cobalt, total	ug/L	MW-24	09/27/2017	yes	1.0000					
Cobalt, total	ug/L	MW-24	03/14/2018	yes	1.4000					
Cobalt, total	ug/L	MW-24	09/12/2018	yes	3.5000					
Cobalt, total	ug/L	MW-24	04/01/2019	yes	21.9000					
Cobalt, total	ug/L	MW-24	09/12/2019	yes	19.0000					
Cobalt, total	ug/L	MW-24	05/06/2020	yes	5.1000					
Cobalt, total	ug/L	MW-24	09/03/2020	yes	16.1000					
Cobalt, total	ug/L	MW-24	03/30/2021	yes	14.2000					
Cobalt, total	ug/L	MW-24	09/08/2021	yes	3.5000					
Cobalt, total	ug/L	MW-24	03/31/2022	yes	8.0000					
Cobalt, total	ug/L	MW-24	08/30/2022	yes	12.0000					
Cobalt, total	ug/L	MW-24	03/07/2023		5.2000			8.1549		
Cobalt, total	ug/L	MW-24	09/28/2023		7.4000			8.1549		
Cobalt, total	ug/L	MW-24	03/11/2024		6.4000			8.1549		
Cobalt, total	ug/L	MW-24	10/02/2024		12.9000			8.1549		
Cobalt, total	ug/L	MW-24	03/06/2025		6.6000			8.1549		
Cobalt, total	ug/L	MW-24	09/16/2025		9.2000			8.1549		
Copper, total	ug/L	MW-24	10/21/2014	yes	10.0000	ND			4.0000	***
Copper, total	ug/L	MW-24	06/23/2015	yes	2.0000	ND			4.0000	***
Copper, total	ug/L	MW-24	11/12/2015	yes	2.0000	ND			4.0000	***
Copper, total	ug/L	MW-24	04/12/2016	yes	5.0000	ND			4.0000	***
Copper, total	ug/L	MW-24	09/16/2016	yes	4.0000	ND				
Copper, total	ug/L	MW-24	03/15/2017	yes	4.0000	ND				
Copper, total	ug/L	MW-24	09/27/2017	yes	4.0000	ND				
Copper, total	ug/L	MW-24	03/14/2018	yes	4.0000	ND				
Copper, total	ug/L	MW-24	09/12/2018	yes	4.0000	ND				
Copper, total	ug/L	MW-24	04/01/2019	yes	4.0000					
Copper, total	ug/L	MW-24	09/12/2019	yes	4.0000	ND				
Copper, total	ug/L	MW-24	05/06/2020	yes	4.0000	ND				
Copper, total	ug/L	MW-24	09/03/2020	yes	10.7000					
Copper, total	ug/L	MW-24	03/30/2021	yes	4.0000	ND				
Copper, total	ug/L	MW-24	09/08/2021	yes	7.7000					
Copper, total	ug/L	MW-24	03/31/2022	yes	8.2000					
Copper, total	ug/L	MW-24	08/30/2022	yes	4.0000	ND				
Copper, total	ug/L	MW-24	03/07/2023		8.1000					
Copper, total	ug/L	MW-24	09/28/2023		4.0000	ND				
Copper, total	ug/L	MW-24	03/11/2024		4.0000	ND				
Copper, total	ug/L	MW-24	10/02/2024		4.0000	ND				
Copper, total	ug/L	MW-24	03/06/2025		4.0000	ND				
Copper, total	ug/L	MW-24	09/16/2025		5.0000	ND				
Lead, total	ug/L	MW-24	10/21/2014	yes	6.3900					
Lead, total	ug/L	MW-24	06/23/2015	yes	0.9010		yes			*
Lead, total	ug/L	MW-24	11/12/2015	yes	6.3400					
Lead, total	ug/L	MW-24	04/12/2016	yes	10.4000					

* - Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Lead, total	ug/L	MW-24	09/16/2016	yes	4.0000	ND				
Lead, total	ug/L	MW-24	03/15/2017	yes	4.0000	ND				
Lead, total	ug/L	MW-24	09/27/2017	yes	4.0000	ND				
Lead, total	ug/L	MW-24	03/14/2018	yes	4.0000	ND				
Lead, total	ug/L	MW-24	09/12/2018	yes	4.0000	ND				
Lead, total	ug/L	MW-24	04/01/2019	yes	4.0000	ND				
Lead, total	ug/L	MW-24	09/12/2019	yes	4.0000	ND				
Lead, total	ug/L	MW-24	05/06/2020	yes	4.0000	ND				
Lead, total	ug/L	MW-24	09/03/2020	yes	4.0000	ND				
Lead, total	ug/L	MW-24	03/30/2021	yes	4.7000					
Lead, total	ug/L	MW-24	09/08/2021	yes	4.0000	ND				
Lead, total	ug/L	MW-24	03/31/2022	yes	4.0000	ND				
Lead, total	ug/L	MW-24	08/30/2022	yes	4.0000	ND				
Lead, total	ug/L	MW-24	03/07/2023		4.0000	ND		4.7394		
Lead, total	ug/L	MW-24	09/28/2023		4.0000	ND		4.7394		
Lead, total	ug/L	MW-24	03/11/2024		4.0000	ND		4.7394		
Lead, total	ug/L	MW-24	10/02/2024		4.0000	ND		4.7394		
Lead, total	ug/L	MW-24	03/06/2025		4.0000	ND		4.7394		
Lead, total	ug/L	MW-24	09/16/2025		1.0000	ND		4.7394		
Nickel, total	ug/L	MW-24	10/21/2014	yes	30.0000	ND			5.0000	***
Nickel, total	ug/L	MW-24	06/23/2015	yes	5.0000	ND				
Nickel, total	ug/L	MW-24	11/12/2015	yes	29.1000					
Nickel, total	ug/L	MW-24	04/12/2016	yes	27.1000					
Nickel, total	ug/L	MW-24	09/16/2016	yes	4.0000	ND			5.0000	***
Nickel, total	ug/L	MW-24	03/15/2017	yes	8.6000					
Nickel, total	ug/L	MW-24	09/27/2017	yes	8.0000					
Nickel, total	ug/L	MW-24	03/14/2018	yes	10.9000					
Nickel, total	ug/L	MW-24	09/12/2018	yes	14.3000					
Nickel, total	ug/L	MW-24	04/01/2019	yes	61.1000					
Nickel, total	ug/L	MW-24	09/12/2019	yes	16.2000					
Nickel, total	ug/L	MW-24	05/06/2020	yes	14.9000					
Nickel, total	ug/L	MW-24	09/03/2020	yes	30.6000					
Nickel, total	ug/L	MW-24	03/30/2021	yes	17.9000					
Nickel, total	ug/L	MW-24	09/08/2021	yes	13.4000					
Nickel, total	ug/L	MW-24	03/31/2022	yes	66.7000					
Nickel, total	ug/L	MW-24	08/30/2022	yes	43.0000					
Nickel, total	ug/L	MW-24	03/07/2023		48.0000			33.8221		
Nickel, total	ug/L	MW-24	09/28/2023		29.4000			26.8795		
Nickel, total	ug/L	MW-24	03/11/2024		8.2000			22.1647		
Nickel, total	ug/L	MW-24	10/02/2024		29.3000			22.1647		
Nickel, total	ug/L	MW-24	03/06/2025		17.5000			22.1647		
Nickel, total	ug/L	MW-24	09/16/2025		31.8000			22.1647		
Selenium, total	ug/L	MW-24	10/21/2014	yes	5.0000	ND			4.0000	***
Selenium, total	ug/L	MW-24	06/23/2015	yes	5.0000	ND			4.0000	***
Selenium, total	ug/L	MW-24	11/12/2015	yes	5.0000	ND			4.0000	***
Selenium, total	ug/L	MW-24	04/12/2016	yes	5.0000	ND			4.0000	***
Selenium, total	ug/L	MW-24	09/16/2016	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	03/15/2017	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	09/27/2017	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	03/14/2018	yes	4.0000	ND				

* - Outlier for that well and constituent.

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*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Selenium, total	ug/L	MW-24	09/12/2018	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	04/01/2019	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	09/12/2019	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	05/06/2020	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	09/03/2020	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	03/30/2021	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	09/08/2021	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	03/31/2022	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	08/30/2022	yes	4.0000	ND				
Selenium, total	ug/L	MW-24	03/07/2023		4.0000	ND				
Selenium, total	ug/L	MW-24	09/28/2023		4.0000	ND				
Selenium, total	ug/L	MW-24	03/11/2024		4.0000	ND				
Selenium, total	ug/L	MW-24	10/02/2024		4.0000	ND				
Selenium, total	ug/L	MW-24	03/06/2025		4.0000	ND				
Selenium, total	ug/L	MW-24	09/16/2025		2.0000	ND				
Silver, total	ug/L	MW-24	10/21/2014	yes	20.0000	ND	yes			*
Silver, total	ug/L	MW-24	06/23/2015	yes	1.0000	ND	yes			*
Silver, total	ug/L	MW-24	11/12/2015	yes	1.0000	ND	yes			*
Silver, total	ug/L	MW-24	04/12/2016	yes	1.0000	ND	yes			*
Silver, total	ug/L	MW-24	09/16/2016	yes	4.0000	ND				
Silver, total	ug/L	MW-24	03/15/2017	yes	4.0000	ND				
Silver, total	ug/L	MW-24	09/27/2017	yes	4.0000	ND				
Silver, total	ug/L	MW-24	03/14/2018	yes	4.0000	ND				
Silver, total	ug/L	MW-24	09/12/2018	yes	4.0000	ND				
Silver, total	ug/L	MW-24	04/01/2019	yes	4.0000	ND				
Silver, total	ug/L	MW-24	09/12/2019	yes	4.0000	ND				
Silver, total	ug/L	MW-24	05/06/2020	yes	4.0000	ND				
Silver, total	ug/L	MW-24	09/03/2020	yes	4.0000	ND				
Silver, total	ug/L	MW-24	03/30/2021	yes	4.0000	ND				
Silver, total	ug/L	MW-24	09/08/2021	yes	4.0000	ND				
Silver, total	ug/L	MW-24	03/31/2022	yes	4.0000	ND				
Silver, total	ug/L	MW-24	08/30/2022	yes	4.0000	ND				
Silver, total	ug/L	MW-24	03/07/2023		4.0000	ND				
Silver, total	ug/L	MW-24	09/28/2023		4.0000	ND				
Silver, total	ug/L	MW-24	03/11/2024		4.0000	ND				
Silver, total	ug/L	MW-24	10/02/2024		4.0000	ND				
Silver, total	ug/L	MW-24	03/06/2025		4.0000	ND				
Silver, total	ug/L	MW-24	09/16/2025		5.0000	ND				
Thallium, total	ug/L	MW-24	10/21/2014	yes	2.0000	ND				
Thallium, total	ug/L	MW-24	06/23/2015	yes	1.0000	ND			2.0000	***
Thallium, total	ug/L	MW-24	11/12/2015	yes	1.0000	ND			2.0000	***
Thallium, total	ug/L	MW-24	04/12/2016	yes	2.0000	ND				
Thallium, total	ug/L	MW-24	09/16/2016	yes	4.0000	ND			2.0000	***
Thallium, total	ug/L	MW-24	03/15/2017	yes	4.0000	ND			2.0000	***
Thallium, total	ug/L	MW-24	09/27/2017	yes	4.0000	ND			2.0000	***
Thallium, total	ug/L	MW-24	03/14/2018	yes	4.0000	ND			2.0000	***
Thallium, total	ug/L	MW-24	09/12/2018	yes	4.0000	ND			2.0000	***
Thallium, total	ug/L	MW-24	04/01/2019	yes	2.0000	ND				
Thallium, total	ug/L	MW-24	09/12/2019	yes	2.0000	ND				
Thallium, total	ug/L	MW-24	05/06/2020	yes	2.0000	ND				

* - Outlier for that well and constituent.

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*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Thallium, total	ug/L	MW-24	09/03/2020	yes	2.0000	ND				
Thallium, total	ug/L	MW-24	03/30/2021	yes	2.0000	ND				
Thallium, total	ug/L	MW-24	09/08/2021	yes	2.0000	ND				
Thallium, total	ug/L	MW-24	03/31/2022	yes	2.0000	ND				
Thallium, total	ug/L	MW-24	08/30/2022	yes	2.0000	ND				
Thallium, total	ug/L	MW-24	03/07/2023		2.0000	ND				
Thallium, total	ug/L	MW-24	09/28/2023		2.0000	ND				
Thallium, total	ug/L	MW-24	03/11/2024		2.0000	ND				
Thallium, total	ug/L	MW-24	10/02/2024		2.0000	ND				
Thallium, total	ug/L	MW-24	03/06/2025		2.0000	ND				
Thallium, total	ug/L	MW-24	09/16/2025		0.5000	ND				
Vanadium, total	ug/L	MW-24	10/21/2014	yes	10.0000	ND			20.0000	***
Vanadium, total	ug/L	MW-24	06/23/2015	yes	5.0000	ND	yes			*
Vanadium, total	ug/L	MW-24	11/12/2015	yes	14.2000					
Vanadium, total	ug/L	MW-24	04/12/2016	yes	23.4000					
Vanadium, total	ug/L	MW-24	09/16/2016	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	03/15/2017	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	09/27/2017	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	03/14/2018	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	09/12/2018	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	04/01/2019	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	09/12/2019	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	05/06/2020	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	09/03/2020	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	03/30/2021	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	09/08/2021	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	03/31/2022	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	08/30/2022	yes	20.0000	ND				
Vanadium, total	ug/L	MW-24	03/07/2023		20.0000	ND				
Vanadium, total	ug/L	MW-24	09/28/2023		20.0000	ND				
Vanadium, total	ug/L	MW-24	03/11/2024		20.0000	ND				
Vanadium, total	ug/L	MW-24	10/02/2024		20.0000	ND				
Vanadium, total	ug/L	MW-24	03/06/2025		20.0000	ND				
Vanadium, total	ug/L	MW-24	09/16/2025		2.0000	ND				
Zinc, total	ug/L	MW-24	10/21/2014	yes	33.2000					
Zinc, total	ug/L	MW-24	06/23/2015	yes	10.7000					
Zinc, total	ug/L	MW-24	11/12/2015	yes	53.8000					
Zinc, total	ug/L	MW-24	04/12/2016	yes	97.0000					
Zinc, total	ug/L	MW-24	09/16/2016	yes	15.1000					
Zinc, total	ug/L	MW-24	03/15/2017	yes	8.1000					
Zinc, total	ug/L	MW-24	09/27/2017	yes	8.0000	ND			20.0000	***
Zinc, total	ug/L	MW-24	03/14/2018	yes	8.7000					
Zinc, total	ug/L	MW-24	09/12/2018	yes	24.5000					
Zinc, total	ug/L	MW-24	04/01/2019	yes	69.3000					
Zinc, total	ug/L	MW-24	09/12/2019	yes	20.0000	ND				
Zinc, total	ug/L	MW-24	05/06/2020	yes	20.0000	ND				
Zinc, total	ug/L	MW-24	09/03/2020	yes	25.7000					
Zinc, total	ug/L	MW-24	03/30/2021	yes	20.0000	ND				
Zinc, total	ug/L	MW-24	09/08/2021	yes	20.0000	ND				
Zinc, total	ug/L	MW-24	03/31/2022	yes	27.2000					

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*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Zinc, total	ug/L	MW-24	08/30/2022	yes	20.0000	ND				
Zinc, total	ug/L	MW-24	03/07/2023		20.0000	ND		29.0176		
Zinc, total	ug/L	MW-24	09/28/2023		20.0000	ND		29.0176		
Zinc, total	ug/L	MW-24	03/11/2024		20.0000	ND		29.0176		
Zinc, total	ug/L	MW-24	10/02/2024		20.0000	ND		29.0176		
Zinc, total	ug/L	MW-24	03/06/2025		20.0000	ND		29.0176		
Zinc, total	ug/L	MW-24	09/16/2025		18.9000			29.0176		

* - Outlier for that well and constituent.
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*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 4

**Dixon's Test Outliers
5% Significance Level**

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Arsenic, total	ug/L	AW-1	11/12/2015	10.0000	< 10.0000	08/05/2010-04/12/2016	13	0.5213
Barium, total	ug/L	AW-1	09/14/2011	559.0000		08/05/2010-10/20/2014	12	0.5745
Barium, total	ug/L	AW-1	10/20/2014	637.0000		08/05/2010-10/20/2014	12	0.5745
Cadmium, total	ug/L	AW-1	09/14/2011	1.6000		08/05/2010-10/20/2014	11	0.4778
Cadmium, total	ug/L	AW-1	10/20/2014	1.5200		08/05/2010-10/20/2014	11	0.4778
Chromium, total	ug/L	AW-1	10/20/2014	5.0000	< 5.0000	08/05/2010-10/20/2014	11	0.5745
Lead, total	ug/L	AW-1	09/14/2011	23.0000		08/05/2010-06/23/2015	12	0.5745
Lead, total	ug/L	AW-1	10/20/2014	28.1000		08/05/2010-06/23/2015	12	0.5745
Lead, total	ug/L	MW-24	06/23/2015	0.9010		10/21/2014-08/30/2022	17	0.4891
Silver, total	ug/L	MW-24	10/21/2014	20.0000	< 20.0000	10/21/2014-08/30/2022	17	0.4891
Silver, total	ug/L	MW-24	06/23/2015	1.0000	< 1.0000	10/21/2014-08/30/2022	17	0.5054
Silver, total	ug/L	MW-24	11/12/2015	1.0000	< 1.0000	10/21/2014-08/30/2022	17	0.5054
Silver, total	ug/L	MW-24	04/12/2016	1.0000	< 1.0000	10/21/2014-08/30/2022	17	0.5054
Vanadium, total	ug/L	MW-24	06/23/2015	5.0000	< 5.0000	10/21/2014-08/30/2022	17	0.4891

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

Historical VOC Detections

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
2-butanone	AW-2	9/08/2021		8.5	5.0	ug/L
Acetone	AW-2	9/27/2017		14.4	10.0	ug/L
Acetone	AW-2	9/08/2021		138.0	10.0	ug/L
Benzene	AW-2	10/20/2014		1.870	.500	ug/L
Benzene	AW-2	6/23/2015		1.950	.500	ug/L
Benzene	AW-2	11/12/2015		.961	.500	ug/L
Benzene	AW-2	4/11/2016		1.020	.500	ug/L
Benzene	AW-2	9/12/2018		1.000	1.000	ug/L
Benzene	AW-2	9/08/2021		1.400	1.000	ug/L
Carbon disulfide	AW-2	9/16/2025		2	1	ug/L
Chloroethane	AW-2	9/08/2021		1	1	ug/L
1,1-dichloroethane	AW-3	4/11/2016		1.02	1.00	ug/L
1,1-dichloroethane	AW-3	9/16/2016		1.20	1.00	ug/L
1,1-dichloroethane	AW-3	3/15/2017		2.50	1.00	ug/L
1,1-dichloroethane	AW-3	9/27/2017		1.60	1.00	ug/L
1,4-dichlorobenzene	AW-3	10/20/2014		2.8	1.0	ug/L
1,4-dichlorobenzene	AW-3	9/16/2016		1.9	1.0	ug/L
1,4-dichlorobenzene	AW-3	9/27/2017		1.1	1.0	ug/L
1,4-dichlorobenzene	AW-3	3/14/2018		3.5	1.0	ug/L
1,4-dichlorobenzene	AW-3	9/12/2018		4.0	1.0	ug/L
1,4-dichlorobenzene	AW-3	4/01/2019		2.6	1.0	ug/L
1,4-dichlorobenzene	AW-3	5/06/2020		2.2	1.0	ug/L
1,4-dichlorobenzene	AW-3	9/03/2020		2.0	1.0	ug/L
1,4-dichlorobenzene	AW-3	3/30/2021		2.8	1.0	ug/L
1,4-dichlorobenzene	AW-3	9/08/2021		3.8	1.0	ug/L
1,4-dichlorobenzene	AW-3	3/31/2022		2.3	1.0	ug/L
1,4-dichlorobenzene	AW-3	8/30/2022		2.2	1.0	ug/L
1,4-dichlorobenzene	AW-3	3/07/2023		2.7	1.0	ug/L
1,4-dichlorobenzene	AW-3	9/28/2023		3.4	1.0	ug/L
1,4-dichlorobenzene	AW-3	3/11/2024		3.2	1.0	ug/L
1,4-dichlorobenzene	AW-3	10/02/2024		2.8	1.0	ug/L
1,4-dichlorobenzene	AW-3	3/06/2025		3.0	1.0	ug/L
1,4-dichlorobenzene	AW-3	9/16/2025		3.1	1.0	ug/L
2-butanone	AW-3	9/12/2018		6	5	ug/L
2-butanone	AW-3	3/06/2025		144	10	ug/L
Acetone	AW-3	9/12/2019		11.4	10.0	ug/L
Acetone	AW-3	3/31/2022		24.4	10.0	ug/L
Acetone	AW-3	3/06/2025		18000.0	2000.0	ug/L
Benzene	AW-3	10/20/2014		4.19	.50	ug/L
Benzene	AW-3	6/23/2015		4.98	.50	ug/L
Benzene	AW-3	11/13/2015		1.53	.50	ug/L
Benzene	AW-3	4/11/2016		1.62	.50	ug/L
Benzene	AW-3	9/16/2016		1.00	1.00	ug/L
Benzene	AW-3	3/14/2018		5.60	1.00	ug/L
Benzene	AW-3	9/12/2018		4.10	1.00	ug/L
Benzene	AW-3	9/12/2019		1.10	1.00	ug/L
Benzene	AW-3	5/06/2020		1.20	1.00	ug/L
Benzene	AW-3	3/30/2021		5.20	1.00	ug/L
Benzene	AW-3	9/08/2021		4.10	1.00	ug/L
Benzene	AW-3	3/31/2022		1.40	1.00	ug/L
Benzene	AW-3	8/30/2022		2.30	1.00	ug/L
Benzene	AW-3	3/07/2023		2.60	1.00	ug/L
Benzene	AW-3	9/28/2023		2.60	1.00	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	AW-3	3/11/2024		2.70	1.00	ug/L
Bis(2-ethylhexyl) phthalate	AW-3	3/15/2017		16	8	ug/L
Chlorobenzene	AW-3	3/15/2017		1.1	1.0	ug/L
Chloroethane	AW-3	10/20/2014		7.13	1.00	ug/L
Chloroethane	AW-3	6/23/2015		8.62	1.00	ug/L
Chloroethane	AW-3	4/11/2016		4.73	1.00	ug/L
Chloroethane	AW-3	9/16/2016		4.60	1.00	ug/L
Chloroethane	AW-3	3/15/2017		6.80	1.00	ug/L
Chloroethane	AW-3	9/27/2017		4.60	1.00	ug/L
Chloroethane	AW-3	3/14/2018		5.50	1.00	ug/L
Chloroethane	AW-3	9/12/2018		3.00	1.00	ug/L
Chloroethane	AW-3	4/01/2019		1.20	1.00	ug/L
Chloroethane	AW-3	5/06/2020		2.50	1.00	ug/L
Chloroethane	AW-3	9/03/2020		3.90	1.00	ug/L
Chloroethane	AW-3	3/30/2021		4.50	1.00	ug/L
Chloroethane	AW-3	9/08/2021		4.20	1.00	ug/L
Chloroethane	AW-3	3/31/2022		3.00	1.00	ug/L
Chloroethane	AW-3	8/30/2022		4.20	1.00	ug/L
Chloroethane	AW-3	3/07/2023		3.50	1.00	ug/L
Chloroethane	AW-3	9/28/2023		3.80	1.00	ug/L
Chloroethane	AW-3	3/11/2024		3.00	1.00	ug/L
Chloroethane	AW-3	10/02/2024		3.00	1.00	ug/L
Chloroethane	AW-3	3/06/2025		1.40	1.00	ug/L
Chloroethane	AW-3	9/16/2025		3.00	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	10/20/2014		2.89	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	6/23/2015		3.92	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	11/13/2015		2.23	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	4/11/2016		1.92	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	9/16/2016		1.60	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	3/15/2017		3.00	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	9/27/2017		2.10	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	5/06/2020		1.20	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	9/03/2020		2.70	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	3/30/2021		4.00	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	8/30/2022		1.10	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	3/07/2023		2.90	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	9/28/2023		1.20	1.00	ug/L
Cis-1,2-dichloroethene	AW-3	9/16/2025		1.20	1.00	ug/L
Ethylbenzene	AW-3	6/23/2015		2.1	1.0	ug/L
Toluene	AW-3	9/12/2018		1	1	ug/L
Vinyl chloride	AW-3	3/30/2021		2.1	1.0	ug/L
1,1-dichloroethane	MW-14	10/21/2014		2.46	1.00	ug/L
1,1-dichloroethane	MW-14	6/22/2015		1.52	1.00	ug/L
1,1-dichloroethane	MW-14	3/15/2017		1.30	1.00	ug/L
1,1-dichloroethane	MW-14	9/27/2017		1.10	1.00	ug/L
1,1-dichloroethane	MW-14	4/01/2019		1.00	1.00	ug/L
Acetone	MW-14	9/27/2017		12.9	10.0	ug/L
Acetone	MW-19	9/27/2017		20.8	10.0	ug/L
1,4-dichlorobenzene	MW-20	9/16/2016		3.4	1.0	ug/L
1,4-dichlorobenzene	MW-20	3/15/2017		1.2	1.0	ug/L
1,4-dichlorobenzene	MW-20	9/27/2017		1.4	1.0	ug/L
1,4-dichlorobenzene	MW-20	3/14/2018		1.7	1.0	ug/L
1,4-dichlorobenzene	MW-20	9/12/2018		3.0	1.0	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,4-dichlorobenzene	MW-20	4/01/2019		2.9	1.0	ug/L
1,4-dichlorobenzene	MW-20	5/06/2020		2.5	1.0	ug/L
1,4-dichlorobenzene	MW-20	9/03/2020		1.6	1.0	ug/L
1,4-dichlorobenzene	MW-20	3/30/2021		2.6	1.0	ug/L
1,4-dichlorobenzene	MW-20	9/08/2021		2.9	1.0	ug/L
1,4-dichlorobenzene	MW-20	3/31/2022		2.4	1.0	ug/L
1,4-dichlorobenzene	MW-20	8/30/2022		2.8	1.0	ug/L
1,4-dichlorobenzene	MW-20	3/07/2023		2.8	1.0	ug/L
1,4-dichlorobenzene	MW-20	9/28/2023		3.4	1.0	ug/L
1,4-dichlorobenzene	MW-20	3/11/2024		2.6	1.0	ug/L
1,4-dichlorobenzene	MW-20	10/02/2024		3.2	1.0	ug/L
1,4-dichlorobenzene	MW-20	3/06/2025		2.5	1.0	ug/L
1,4-dichlorobenzene	MW-20	9/16/2025		3.8	1.0	ug/L
Acetone	MW-20	6/23/2015		14.8	10.0	ug/L
Acetone	MW-20	4/11/2016		467.0	10.0	ug/L
Acetone	MW-20	9/16/2016		33.3	10.0	ug/L
Acetone	MW-20	3/06/2025		93.9	10.0	ug/L
Benzene	MW-20	10/21/2014		2.51	.50	ug/L
Benzene	MW-20	6/23/2015		3.59	.50	ug/L
Benzene	MW-20	11/12/2015		3.67	.50	ug/L
Benzene	MW-20	4/11/2016		2.67	.50	ug/L
Benzene	MW-20	9/16/2016		3.70	1.00	ug/L
Benzene	MW-20	3/15/2017		2.50	1.00	ug/L
Benzene	MW-20	9/27/2017		2.60	1.00	ug/L
Benzene	MW-20	3/14/2018		1.70	1.00	ug/L
Benzene	MW-20	9/12/2018		2.70	1.00	ug/L
Benzene	MW-20	4/01/2019		2.40	1.00	ug/L
Benzene	MW-20	9/12/2019		2.80	1.00	ug/L
Benzene	MW-20	5/06/2020		2.50	1.00	ug/L
Benzene	MW-20	9/03/2020		2.70	1.00	ug/L
Benzene	MW-20	3/30/2021		1.90	1.00	ug/L
Benzene	MW-20	9/08/2021		2.80	1.00	ug/L
Benzene	MW-20	3/31/2022		2.30	1.00	ug/L
Benzene	MW-20	8/30/2022		3.60	1.00	ug/L
Benzene	MW-20	3/07/2023		2.20	1.00	ug/L
Benzene	MW-20	9/28/2023		2.60	1.00	ug/L
Benzene	MW-20	3/11/2024		2.30	1.00	ug/L
Benzene	MW-20	10/02/2024		2.80	1.00	ug/L
Benzene	MW-20	3/06/2025		1.90	1.00	ug/L
Benzene	MW-20	9/16/2025		3.80	1.00	ug/L
Carbon disulfide	MW-20	9/16/2025		1.7	1.0	ug/L
Chlorobenzene	MW-20	10/21/2014		2.42	1.00	ug/L
Chlorobenzene	MW-20	6/23/2015		3.25	1.00	ug/L
Chlorobenzene	MW-20	9/16/2016		3.10	1.00	ug/L
Chlorobenzene	MW-20	3/15/2017		1.40	1.00	ug/L
Chlorobenzene	MW-20	9/27/2017		1.60	1.00	ug/L
Chlorobenzene	MW-20	9/12/2018		3.10	1.00	ug/L
Chlorobenzene	MW-20	4/01/2019		2.60	1.00	ug/L
Chlorobenzene	MW-20	9/12/2019		3.60	1.00	ug/L
Chlorobenzene	MW-20	5/06/2020		2.20	1.00	ug/L
Chlorobenzene	MW-20	9/03/2020		1.70	1.00	ug/L
Chlorobenzene	MW-20	3/30/2021		2.20	1.00	ug/L
Chlorobenzene	MW-20	9/08/2021		2.70	1.00	ug/L

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Chlorobenzene	MW-20	3/31/2022		2.60	1.00	ug/L
Chlorobenzene	MW-20	8/30/2022		3.10	1.00	ug/L
Chlorobenzene	MW-20	3/07/2023		2.50	1.00	ug/L
Chlorobenzene	MW-20	9/28/2023		3.40	1.00	ug/L
Chlorobenzene	MW-20	3/11/2024		2.80	1.00	ug/L
Chlorobenzene	MW-20	10/02/2024		3.60	1.00	ug/L
Chlorobenzene	MW-20	3/06/2025		2.70	1.00	ug/L
Chlorobenzene	MW-20	9/16/2025		5.80	1.00	ug/L
Chloroethane	MW-20	9/16/2016		1.4	1.0	ug/L
Chloroethane	MW-20	3/15/2017		1.1	1.0	ug/L
Toluene	MW-20	10/21/2014		3.15	1.00	ug/L
Toluene	MW-20	6/23/2015		3.09	1.00	ug/L
Toluene	MW-20	9/16/2016		1.40	1.00	ug/L
Toluene	MW-20	8/30/2022		2.10	1.00	ug/L
Toluene	MW-20	3/11/2024		1.10	1.00	ug/L
Acetone	MW-24	9/27/2017		13.6	10.0	ug/L
Acetone	MW-24	4/01/2019		25.0	10.0	ug/L
Benzene	MW-24	3/15/2017		1.3	1.0	ug/L
Benzene	MW-24	4/01/2019		2.1	1.0	ug/L
Chloroethane	MW-24	4/01/2019		1.6	1.0	ug/L
Ethylbenzene	MW-24	9/16/2016		1.2	1.0	ug/L
Ethylbenzene	MW-24	3/15/2017		1.9	1.0	ug/L
Ethylbenzene	MW-24	4/01/2019		4.8	1.0	ug/L
Toluene	MW-24	9/16/2016		5.5	1.0	ug/L
Xylenes, total	MW-24	9/16/2016		2.2	2.0	ug/L
Xylenes, total	MW-24	3/15/2017		2.3	2.0	ug/L
Xylenes, total	MW-24	4/01/2019		6.2	2.0	ug/L
Acetone	MW-25	9/27/2017		13.1	10.0	ug/L
Bis(2-ethylhexyl) phthalate	MW-25	3/15/2017		17	8	ug/L
Bis(2-ethylhexyl) phthalate	MW-25	9/27/2017		8	6	ug/L
Bis(2-ethylhexyl) phthalate	MW-25	3/14/2018		7	6	ug/L
Acetone	MW-9	9/27/2017		17.4	10.0	ug/L
Toluene	MW-9	8/30/2022		1.8	1.0	ug/L
Vinyl chloride	South Underdrain	8/30/2022		2	1	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 Historical 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
1,4-dichlorobenzene	ug/L	AW-3	4	3.025	0.171	1.176	2.824	3.226	75.000	
Benzene	ug/L	AW-3	4	1.050	1.100	1.176	0.000	2.344	5.000	
Chlorobenzene	ug/L	AW-3	4	0.500	0.000	1.176	0.500	0.500	100.000	
Chloroethane	ug/L	AW-3	4	2.600	0.800	1.176	1.659	3.541	2800.000	
Cis-1,2-dichloroethene	ug/L	AW-3	4	0.675	0.350	1.176	0.263	1.087	70.000	
Toluene	ug/L	AW-3	4	0.500	0.000	1.176	0.500	0.500	1000.000	
1,4-dichlorobenzene	ug/L	MW-20	4	3.025	0.602	1.176	2.317	3.733	75.000	inc
Benzene	ug/L	MW-20	4	2.700	0.821	1.176	1.735	3.665	5.000	
Chlorobenzene	ug/L	MW-20	4	3.725	1.441	1.176	2.030	5.420	100.000	
Chloroethane	ug/L	MW-20	4	0.500	0.000	1.176	0.500	0.500	2800.000	
Cis-1,2-dichloroethene	ug/L	MW-20	4	0.500	0.000	1.176	0.500	0.500	70.000	
Toluene	ug/L	MW-20	4	0.650	0.300	1.176	0.297	1.003	1000.000	

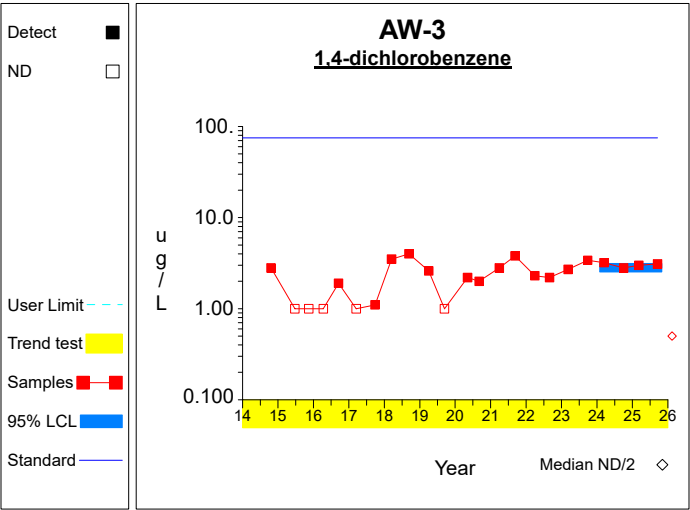
* - Insufficient Data

** - Significant Exceedance

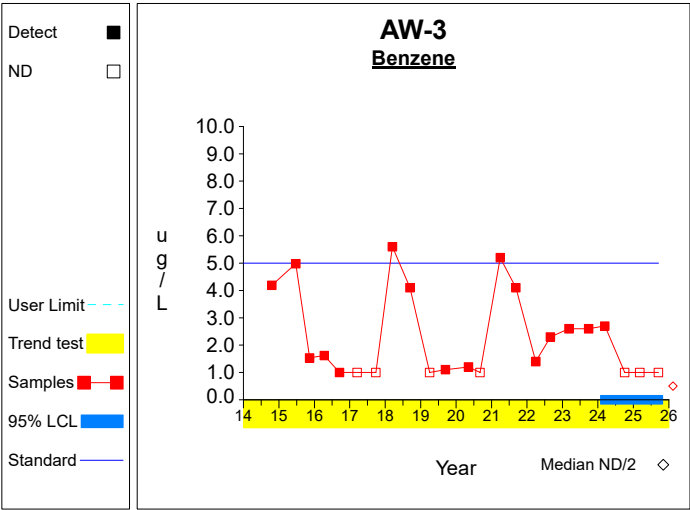
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

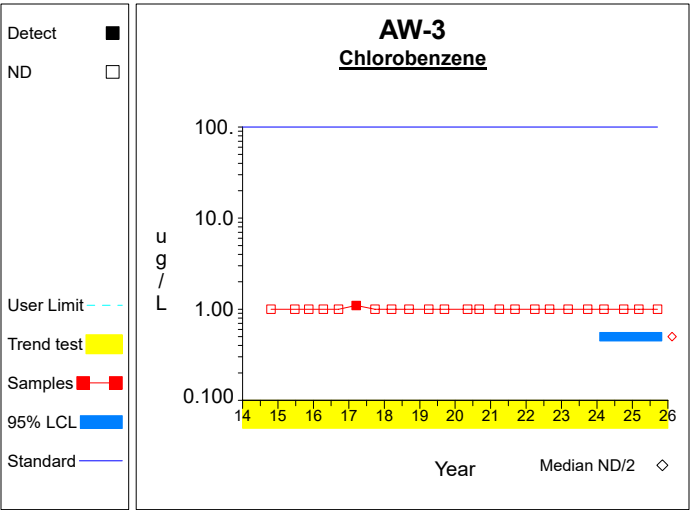
Confidence Limits (Assessment)



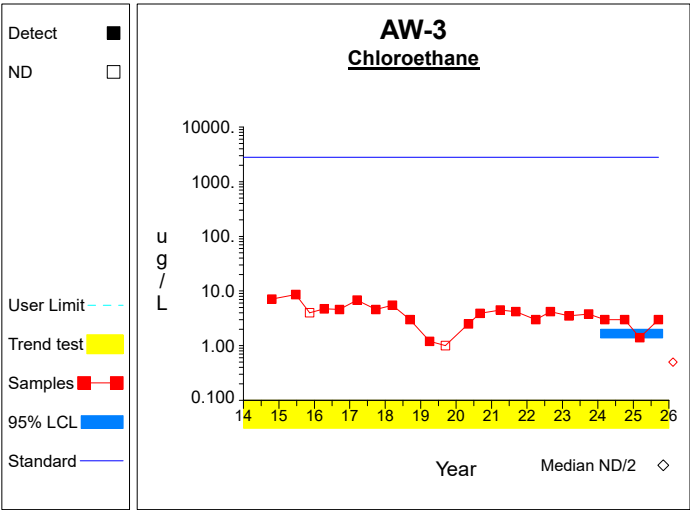
Graph 1



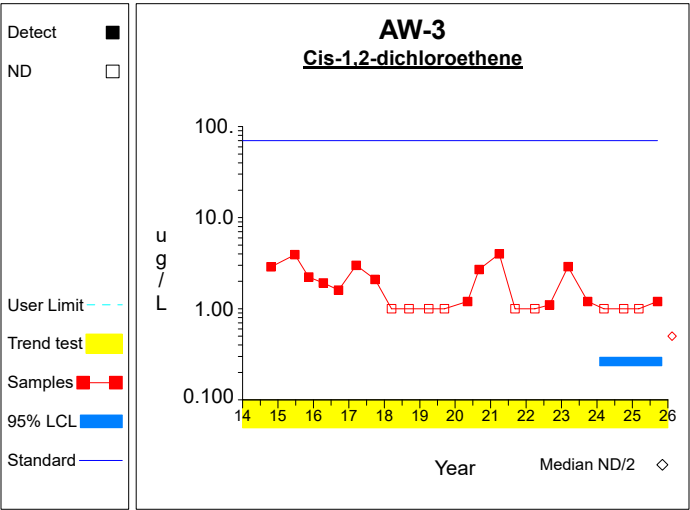
Graph 2



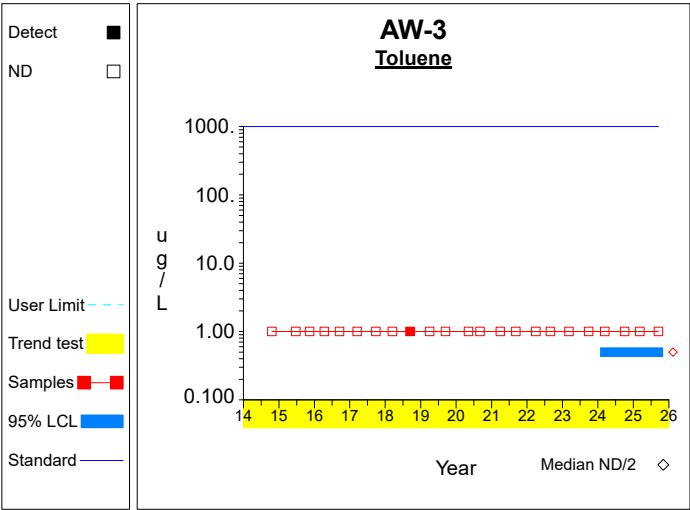
Graph 3



Graph 4

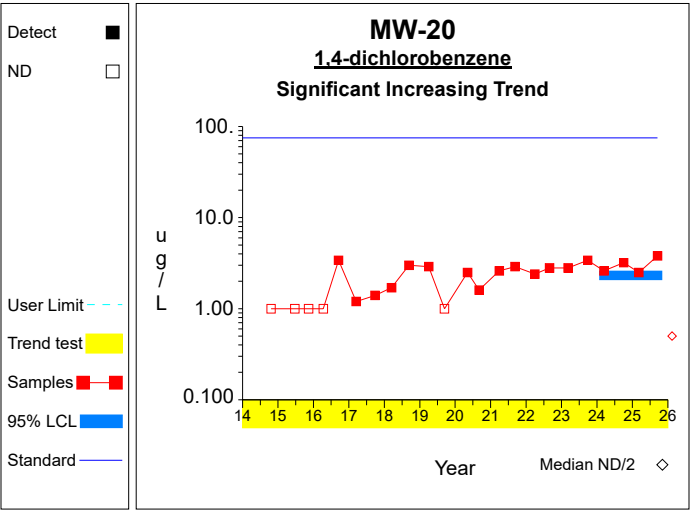


Graph 5

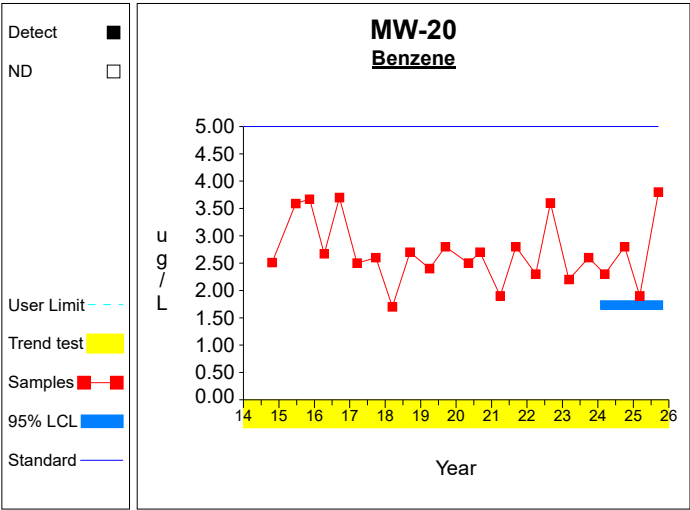


Graph 6

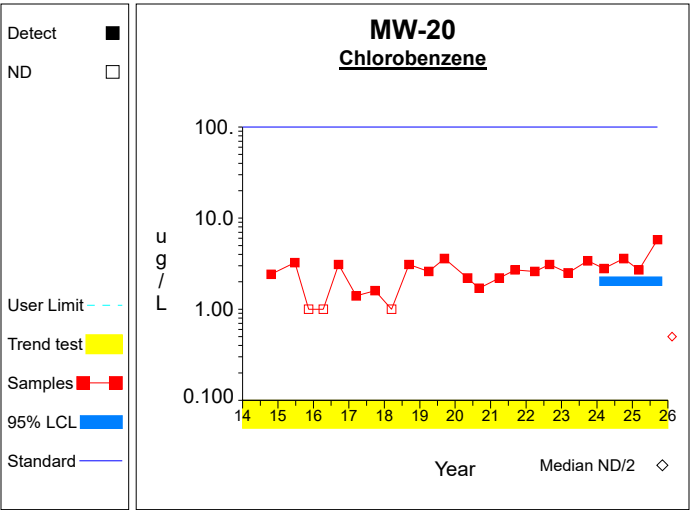
Confidence Limits (Assessment)



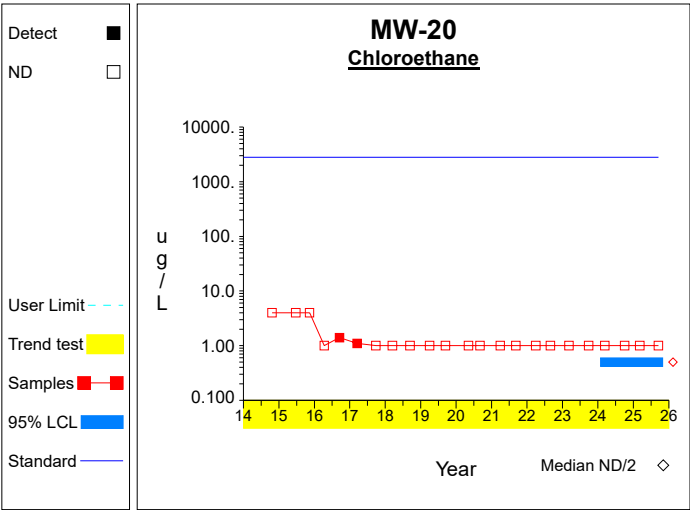
Graph 7



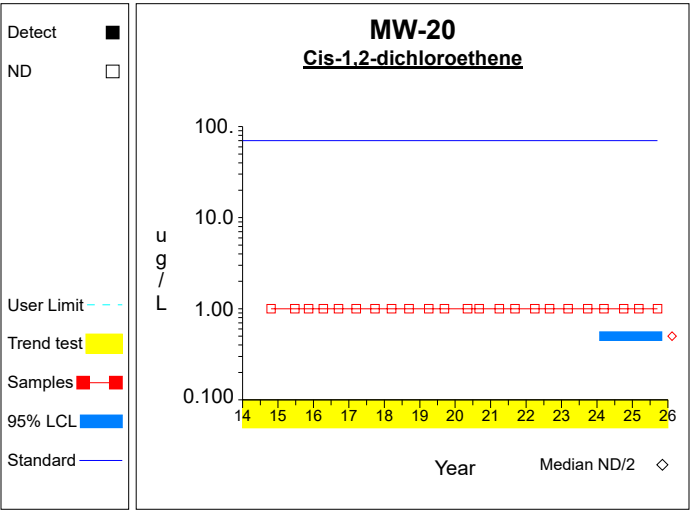
Graph 8



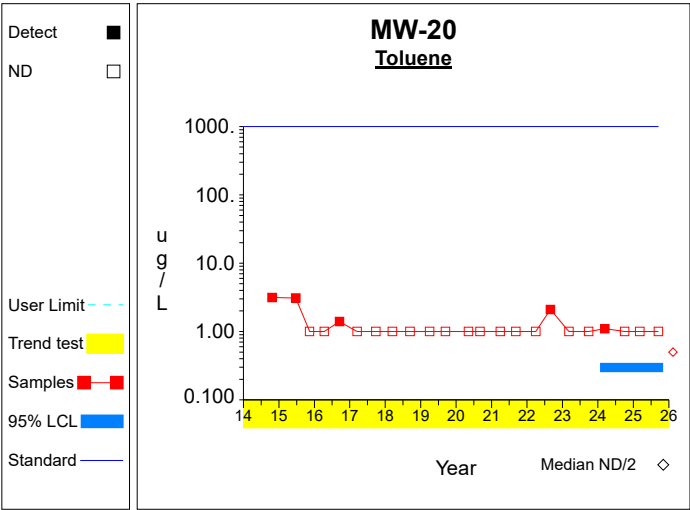
Graph 9



Graph 10



Graph 11



Graph 12

Appendix C

Laboratory Reports for the Period



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC0568

Project Description

Benton County - New Regs

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Friday, March 28, 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

1IC0568

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: Benton County - New Regs

Project / PO Number: N/A
Received: 03/07/2025
Reported: 03/28/2025

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-20	1IC0568-01	Aqueous	GRAB		03/06/25 16:04	03/07/25 10:30
AW-1	1IC0568-02	Aqueous	GRAB		03/06/25 11:11	03/07/25 10:30
MW-24	1IC0568-03	Aqueous	GRAB		03/06/25 11:58	03/07/25 10:30
MW-25	1IC0568-04	Aqueous	GRAB		03/06/25 11:40	03/07/25 10:30
AW-2	1IC0568-05	Aqueous	GRAB		03/06/25 13:08	03/07/25 10:30
AW-9	1IC0568-06	Aqueous	GRAB		03/06/25 13:19	03/07/25 10:30
AW-3	1IC0568-07	Aqueous	GRAB		03/06/25 13:35	03/07/25 10:30
MW-26 (b)	1IC0568-08	Aqueous	GRAB		03/06/25 09:40	03/07/25 10:30
MW-27 (b)	1IC0568-09	Aqueous	GRAB		03/06/25 10:10	03/07/25 10:30
MW-28 (b)	1IC0568-10	Aqueous	GRAB		03/06/25 10:50	03/07/25 10:30
MW-7 (b)	1IC0568-11	Aqueous	GRAB		03/06/25 10:32	03/07/25 10:30
MW-12	1IC0568-12	Aqueous	GRAB		03/06/25 12:16	03/07/25 10:30
MW-14	1IC0568-13	Aqueous	GRAB		03/06/25 12:32	03/07/25 10:30
Duplicate	1IC0568-14	Aqueous	GRAB		03/06/25 00:00	03/07/25 10:30
MW-41	1IC0568-15	Aqueous	GRAB		03/06/25 11:28	03/07/25 10:30



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11C0568

Analytical Testing Parameters

Client Sample ID: MW-20
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-01

Collected By: Whipple, Todd
Collection Date: 03/06/2025 16:04

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		03/17/25 0000	03/17/25 1758	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1758	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1758	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1758	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1758	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
Acetone	93.9	10.0	ug/L	1		03/17/25 0000	03/17/25 1758	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
Carbon Disulfide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
Methylene Chloride	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
Acrylonitrile	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
Vinyl Acetate	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
Bromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
Chloroform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1758	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1758	CSM
Benzene	1.9	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
Trichloroethylene	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1758	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
Dibromomethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
Bromodichloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
Toluene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1758	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
Dibromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
Chlorobenzene	2.7	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
Ethylbenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
Xylenes, total	<2.0	2.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
Styrene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: MW-20
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-01

Collected By: Whipple, Todd
Collection Date: 03/06/2025 16:04

Determination of Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Bromoform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
1,4-Dichlorobenzene	2.5	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0137	RAF
Surrogate: Dibromofluoromethane	106	Limit: 57-134	% Rec	1		03/11/25 0000	03/12/25 0137	RAF
Surrogate: Dibromofluoromethane	106	Limit: 75-136	% Rec	1		03/11/25 0000	03/12/25 0137	RAF
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 53-140	% Rec	1		03/11/25 0000	03/12/25 0137	RAF
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 61-142	% Rec	1		03/11/25 0000	03/12/25 0137	RAF
Surrogate: Toluene-d8	96.2	Limit: 86-114	% Rec	1		03/11/25 0000	03/12/25 0137	RAF
Surrogate: Toluene-d8	96.2	Limit: 82-121	% Rec	1		03/11/25 0000	03/12/25 0137	RAF
Surrogate: 4-Bromofluorobenzene	96.8	Limit: 78-121	% Rec	1		03/11/25 0000	03/12/25 0137	RAF
Surrogate: 4-Bromofluorobenzene	96.8	Limit: 80-116	% Rec	1		03/11/25 0000	03/12/25 0137	RAF

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst

EPA 376.2

Sulfide, total	<0.10	0.10	mg/L	1		03/11/25 0834	03/11/25 0934	AKK

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		03/10/25 1526	03/11/25 2249	RVV
Arsenic, total	0.0419	0.0040	mg/L	4		03/10/25 1526	03/11/25 2249	RVV
Barium, total	0.289	0.0040	mg/L	4		03/10/25 1526	03/11/25 2249	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2249	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/10/25 1526	03/11/25 2249	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/10/25 1526	03/11/25 2249	RVV
Cobalt, total	0.0009	0.0004	mg/L	4		03/10/25 1526	03/11/25 2249	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2249	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2249	RVV
Nickel, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2249	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2249	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2249	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/10/25 1526	03/11/25 2249	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/11/25 2249	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/11/25 2249	RVV

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: AW-1
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-02

Collected By: Whipple, Todd
Collection Date: 03/06/2025 11:11

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		03/17/25 0000	03/17/25 1820	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1820	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1820	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1820	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1820	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
Acetone	<10.0	10.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
Methyl Iodide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
Carbon Disulfide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
Methylene Chloride	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
Acrylonitrile	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
Vinyl Acetate	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
Bromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
Chloroform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1820	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1820	CSM
Benzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
Trichloroethylene	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1820	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
Dibromomethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
Bromodichloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
Toluene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1820	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
Dibromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
Chlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
Ethylbenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
Xylenes, total	<2.0	2.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
Styrene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
Bromoform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: AW-1
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-02

Collected By: Whipple, Todd
Collection Date: 03/06/2025 11:11

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		03/11/25 0000	03/12/25 0200	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0200	RAF
Surrogate: Dibromofluoromethane	104	Limit: 57-134	% Rec	1		03/11/25 0000	03/12/25 0200	RAF
Surrogate: Dibromofluoromethane	104	Limit: 75-136	% Rec	1		03/11/25 0000	03/12/25 0200	RAF
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 61-142	% Rec	1		03/11/25 0000	03/12/25 0200	RAF
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 53-140	% Rec	1		03/11/25 0000	03/12/25 0200	RAF
Surrogate: Toluene-d8	95.7	Limit: 86-114	% Rec	1		03/11/25 0000	03/12/25 0200	RAF
Surrogate: Toluene-d8	95.7	Limit: 82-121	% Rec	1		03/11/25 0000	03/12/25 0200	RAF
Surrogate: 4-Bromofluorobenzene	95.3	Limit: 80-116	% Rec	1		03/11/25 0000	03/12/25 0200	RAF
Surrogate: 4-Bromofluorobenzene	95.3	Limit: 78-121	% Rec	1		03/11/25 0000	03/12/25 0200	RAF

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		03/10/25 1526	03/11/25 2326	RVV
Arsenic, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2326	RVV
Barium, total	0.167	0.0040	mg/L	4		03/10/25 1526	03/11/25 2326	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2326	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/10/25 1526	03/11/25 2326	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/10/25 1526	03/11/25 2326	RVV
Cobalt, total	<0.0004	0.0004	mg/L	4		03/10/25 1526	03/11/25 2326	RVV
Copper, total	0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2326	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2326	RVV
Nickel, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2326	RVV
Selenium, total	0.0477	0.0040	mg/L	4		03/10/25 1526	03/11/25 2326	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2326	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/10/25 1526	03/11/25 2326	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/11/25 2326	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/11/25 2326	RVV

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: MW-24
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-03

Collected By: Whipple, Todd
Collection Date: 03/06/2025 11:58

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		03/17/25 0000	03/17/25 1843	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1843	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1843	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1843	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1843	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
Acetone	<10.0	10.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
Methyl Iodide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
Carbon Disulfide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
Methylene Chloride	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
Acrylonitrile	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
Vinyl Acetate	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
Bromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
Chloroform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1843	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1843	CSM
Benzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
Trichloroethylene	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1843	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
Dibromomethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
Bromodichloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
Toluene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1843	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
Dibromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
Chlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
Ethylbenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
Xylenes, total	<2.0	2.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
Styrene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
Bromoform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: MW-24
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-03

Collected By: Whipple, Todd
Collection Date: 03/06/2025 11:58

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		03/11/25 0000	03/12/25 0223	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0223	RAF
Surrogate: Dibromofluoromethane	103	Limit: 75-136	% Rec	1		03/11/25 0000	03/12/25 0223	RAF
Surrogate: Dibromofluoromethane	103	Limit: 57-134	% Rec	1		03/11/25 0000	03/12/25 0223	RAF
Surrogate: 1,2-Dichloroethane-d4	98.2	Limit: 61-142	% Rec	1		03/11/25 0000	03/12/25 0223	RAF
Surrogate: 1,2-Dichloroethane-d4	98.2	Limit: 53-140	% Rec	1		03/11/25 0000	03/12/25 0223	RAF
Surrogate: Toluene-d8	97.5	Limit: 82-121	% Rec	1		03/11/25 0000	03/12/25 0223	RAF
Surrogate: Toluene-d8	97.5	Limit: 86-114	% Rec	1		03/11/25 0000	03/12/25 0223	RAF
Surrogate: 4-Bromofluorobenzene	96.6	Limit: 80-116	% Rec	1		03/11/25 0000	03/12/25 0223	RAF
Surrogate: 4-Bromofluorobenzene	96.6	Limit: 78-121	% Rec	1		03/11/25 0000	03/12/25 0223	RAF

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		03/10/25 1526	03/11/25 2332	RVV
Arsenic, total	0.0220	0.0040	mg/L	4		03/10/25 1526	03/11/25 2332	RVV
Barium, total	0.559	0.0040	mg/L	4		03/10/25 1526	03/11/25 2332	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2332	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/10/25 1526	03/11/25 2332	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/10/25 1526	03/11/25 2332	RVV
Cobalt, total	0.0066	0.0004	mg/L	4		03/10/25 1526	03/11/25 2332	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2332	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2332	RVV
Nickel, total	0.0175	0.0040	mg/L	4		03/10/25 1526	03/11/25 2332	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2332	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2332	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/10/25 1526	03/11/25 2332	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/11/25 2332	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/11/25 2332	RVV

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: MW-25
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-04

Collected By: Whipple, Todd
Collection Date: 03/06/2025 11:40

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		03/17/25 0000	03/17/25 1905	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1905	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1905	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1905	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1905	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
Acetone	<10.0	10.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
Methyl Iodide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
Carbon Disulfide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
Methylene Chloride	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
Acrylonitrile	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
Vinyl Acetate	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
Bromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
Chloroform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1905	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1905	CSM
Benzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
Trichloroethylene	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1905	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
Dibromomethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
Bromodichloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
Toluene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1905	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
Dibromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
Chlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
Ethylbenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
Xylenes, total	<2.0	2.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
Styrene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
Bromoform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: MW-25
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-04

Collected By: Whipple, Todd
Collection Date: 03/06/2025 11:40

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		03/11/25 0000	03/12/25 0246	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0246	RAF
Surrogate: Dibromofluoromethane	102	Limit: 75-136	% Rec	1		03/11/25 0000	03/12/25 0246	RAF
Surrogate: Dibromofluoromethane	102	Limit: 57-134	% Rec	1		03/11/25 0000	03/12/25 0246	RAF
Surrogate: 1,2-Dichloroethane-d4	99.9	Limit: 61-142	% Rec	1		03/11/25 0000	03/12/25 0246	RAF
Surrogate: 1,2-Dichloroethane-d4	99.9	Limit: 53-140	% Rec	1		03/11/25 0000	03/12/25 0246	RAF
Surrogate: Toluene-d8	95.8	Limit: 82-121	% Rec	1		03/11/25 0000	03/12/25 0246	RAF
Surrogate: Toluene-d8	95.8	Limit: 86-114	% Rec	1		03/11/25 0000	03/12/25 0246	RAF
Surrogate: 4-Bromofluorobenzene	95.6	Limit: 80-116	% Rec	1		03/11/25 0000	03/12/25 0246	RAF
Surrogate: 4-Bromofluorobenzene	95.6	Limit: 78-121	% Rec	1		03/11/25 0000	03/12/25 0246	RAF

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		03/10/25 1526	03/11/25 2338	RVV
Arsenic, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2338	RVV
Barium, total	0.0221	0.0040	mg/L	4		03/10/25 1526	03/11/25 2338	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2338	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/10/25 1526	03/11/25 2338	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/10/25 1526	03/11/25 2338	RVV
Cobalt, total	<0.0004	0.0004	mg/L	4		03/10/25 1526	03/11/25 2338	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2338	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2338	RVV
Nickel, total	0.0042	0.0040	mg/L	4		03/10/25 1526	03/11/25 2338	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2338	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2338	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/10/25 1526	03/11/25 2338	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/11/25 2338	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/11/25 2338	RVV

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: AW-2
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-05

Collected By: Whipple, Todd
Collection Date: 03/06/2025 13:08

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		03/17/25 0000	03/17/25 1927	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1927	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1927	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1927	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1927	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
Acetone	<10.0	10.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
Methyl Iodide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
Carbon Disulfide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
Methylene Chloride	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
Acrylonitrile	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
Vinyl Acetate	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
Bromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
Chloroform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1927	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1927	CSM
Benzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
Trichloroethylene	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1927	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
Dibromomethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
Bromodichloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
Toluene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 1927	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
Dibromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
Chlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
Ethylbenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
Xylenes, total	<2.0	2.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
Styrene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
Bromoform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: AW-2
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-05

Collected By: Whipple, Todd
Collection Date: 03/06/2025 13:08

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		03/11/25 0000	03/12/25 0309	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0309	RAF
Surrogate: Dibromofluoromethane	112	Limit: 75-136	% Rec	1		03/17/25 0000	03/17/25 1927	CSM
Surrogate: Dibromofluoromethane	104	Limit: 57-134	% Rec	1		03/11/25 0000	03/12/25 0309	RAF
Surrogate: Dibromofluoromethane	104	Limit: 75-136	% Rec	1		03/11/25 0000	03/12/25 0309	RAF
Surrogate: 1,2-Dichloroethane-d4	115	Limit: 61-142	% Rec	1		03/17/25 0000	03/17/25 1927	CSM
Surrogate: 1,2-Dichloroethane-d4	99.5	Limit: 53-140	% Rec	1		03/11/25 0000	03/12/25 0309	RAF
Surrogate: 1,2-Dichloroethane-d4	99.5	Limit: 61-142	% Rec	1		03/11/25 0000	03/12/25 0309	RAF
Surrogate: Toluene-d8	96.0	Limit: 82-121	% Rec	1		03/17/25 0000	03/17/25 1927	CSM
Surrogate: Toluene-d8	95.5	Limit: 86-114	% Rec	1		03/11/25 0000	03/12/25 0309	RAF
Surrogate: Toluene-d8	95.5	Limit: 82-121	% Rec	1		03/11/25 0000	03/12/25 0309	RAF
Surrogate: 4-Bromofluorobenzene	94.2	Limit: 78-121	% Rec	1		03/11/25 0000	03/12/25 0309	RAF
Surrogate: 4-Bromofluorobenzene	94.0	Limit: 80-116	% Rec	1		03/17/25 0000	03/17/25 1927	CSM
Surrogate: 4-Bromofluorobenzene	94.2	Limit: 80-116	% Rec	1		03/11/25 0000	03/12/25 0309	RAF

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		03/10/25 1526	03/11/25 2344	RVV
Arsenic, total	0.0361	0.0040	mg/L	4		03/10/25 1526	03/11/25 2344	RVV
Barium, total	0.132	0.0040	mg/L	4		03/10/25 1526	03/11/25 2344	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2344	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/10/25 1526	03/11/25 2344	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/10/25 1526	03/11/25 2344	RVV
Cobalt, total	0.0103	0.0004	mg/L	4		03/10/25 1526	03/11/25 2344	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2344	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2344	RVV
Nickel, total	0.0093	0.0040	mg/L	4		03/10/25 1526	03/11/25 2344	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2344	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/11/25 2344	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/10/25 1526	03/11/25 2344	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/11/25 2344	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/11/25 2344	RVV

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID:	AW-9	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	03/06/2025 13:19
Lab Sample ID:	11C0568-06		

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		03/10/25 1526	03/11/25 2351	RVV
Cobalt, total	0.0005	0.0004	mg/L	4		03/10/25 1526	03/11/25 2351	RVV



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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: AW-3
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-07

Collected By: Whipple, Todd
Collection Date: 03/06/2025 13:35

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		03/17/25 0000	03/18/25 0327	BDF
Vinyl Chloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0327	BDF
Bromomethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0327	BDF
Chloroethane	1.4	1.0	ug/L	1		03/17/25 0000	03/18/25 0327	BDF
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0327	BDF
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
Acetone	18000	2000	ug/L	200		03/17/25 0000	03/17/25 1950	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
Carbon Disulfide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
Methylene Chloride	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
Acrylonitrile	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
Vinyl Acetate	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
2-Butanone (MEK)	144	10.0	ug/L	1		03/17/25 0000	03/18/25 0327	BDF
Bromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
Chloroform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0327	BDF
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0327	BDF
Benzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
Trichloroethylene	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0327	BDF
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
Dibromomethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
Bromodichloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
Toluene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0327	BDF
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
Dibromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
Chlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
Ethylbenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
Xylenes, total	<2.0	2.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
Styrene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
Bromoform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: AW-3
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-07

Collected By: Whipple, Todd
Collection Date: 03/06/2025 13:35

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		03/11/25 0000	03/12/25 0331	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
1,4-Dichlorobenzene	3.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0331	RAF
Surrogate: Dibromofluoromethane	94.9	Limit: 75-136	% Rec	1		03/17/25 0000	03/18/25 0327	BDF
Surrogate: Dibromofluoromethane	102	Limit: 57-134	% Rec	1		03/11/25 0000	03/12/25 0331	RAF
Surrogate: Dibromofluoromethane	111	Limit: 75-136	% Rec	200		03/17/25 0000	03/17/25 1950	CSM
Surrogate: Dibromofluoromethane	102	Limit: 75-136	% Rec	1		03/11/25 0000	03/12/25 0331	RAF
Surrogate: 1,2-Dichloroethane-d4	91.0	Limit: 61-142	% Rec	1		03/17/25 0000	03/18/25 0327	BDF
Surrogate: 1,2-Dichloroethane-d4	98.8	Limit: 53-140	% Rec	1		03/11/25 0000	03/12/25 0331	RAF
Surrogate: 1,2-Dichloroethane-d4	98.8	Limit: 61-142	% Rec	1		03/11/25 0000	03/12/25 0331	RAF
Surrogate: 1,2-Dichloroethane-d4	111	Limit: 61-142	% Rec	200		03/17/25 0000	03/17/25 1950	CSM
Surrogate: Toluene-d8	97.1	Limit: 86-114	% Rec	1		03/11/25 0000	03/12/25 0331	RAF
Surrogate: Toluene-d8	104	Limit: 82-121	% Rec	1		03/17/25 0000	03/18/25 0327	BDF
Surrogate: Toluene-d8	97.1	Limit: 82-121	% Rec	1		03/11/25 0000	03/12/25 0331	RAF
Surrogate: Toluene-d8	93.6	Limit: 82-121	% Rec	200		03/17/25 0000	03/17/25 1950	CSM
Surrogate: 4-Bromofluorobenzene	98.1	Limit: 80-116	% Rec	1		03/17/25 0000	03/18/25 0327	BDF
Surrogate: 4-Bromofluorobenzene	93.9	Limit: 78-121	% Rec	1		03/11/25 0000	03/12/25 0331	RAF
Surrogate: 4-Bromofluorobenzene	94.5	Limit: 80-116	% Rec	200		03/17/25 0000	03/17/25 1950	CSM
Surrogate: 4-Bromofluorobenzene	93.9	Limit: 80-116	% Rec	1		03/11/25 0000	03/12/25 0331	RAF

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		03/10/25 1526	03/12/25 1153	RVV
Arsenic, total	0.0178	0.0040	mg/L	4		03/10/25 1526	03/12/25 1153	RVV
Barium, total	0.197	0.0040	mg/L	4		03/10/25 1526	03/12/25 1153	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 1153	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/10/25 1526	03/12/25 1153	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/10/25 1526	03/12/25 1153	RVV
Cobalt, total	0.0019	0.0004	mg/L	4		03/10/25 1526	03/12/25 1153	RVV
Copper, total	0.0187	0.0040	mg/L	4		03/10/25 1526	03/12/25 1153	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 1153	RVV
Nickel, total	0.0071	0.0040	mg/L	4		03/10/25 1526	03/12/25 1153	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 1153	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 1153	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/10/25 1526	03/12/25 1153	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/12/25 1153	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/12/25 1153	RVV

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: MW-26 (b)
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-08

Collected By: Whipple, Todd
Collection Date: 03/06/2025 9:40

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		03/17/25 0000	03/17/25 2012	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 2012	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 2012	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 2012	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 2012	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
Acetone	<10.0	10.0	ug/L	1		03/17/25 0000	03/17/25 2012	CSM
Methyl Iodide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
Carbon Disulfide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
Methylene Chloride	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
Acrylonitrile	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
Vinyl Acetate	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
Bromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
Chloroform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 2012	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 2012	CSM
Benzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
Trichloroethylene	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 2012	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
Dibromomethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
Bromodichloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
Toluene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/17/25 0000	03/17/25 2012	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
Dibromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
Chlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
Ethylbenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
Xylenes, total	<2.0	2.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
Styrene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
Bromoform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: MW-26 (b)
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-08

Collected By: Whipple, Todd
Collection Date: 03/06/2025 9:40

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		03/11/25 0000	03/12/25 0354	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0354	RAF
Surrogate: Dibromofluoromethane	104	Limit: 57-134	% Rec	1		03/11/25 0000	03/12/25 0354	RAF
Surrogate: Dibromofluoromethane	116	Limit: 75-136	% Rec	1		03/17/25 0000	03/17/25 2012	CSM
Surrogate: Dibromofluoromethane	104	Limit: 75-136	% Rec	1		03/11/25 0000	03/12/25 0354	RAF
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 61-142	% Rec	1		03/11/25 0000	03/12/25 0354	RAF
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 53-140	% Rec	1		03/11/25 0000	03/12/25 0354	RAF
Surrogate: 1,2-Dichloroethane-d4	122	Limit: 61-142	% Rec	1		03/17/25 0000	03/17/25 2012	CSM
Surrogate: Toluene-d8	96.9	Limit: 86-114	% Rec	1		03/11/25 0000	03/12/25 0354	RAF
Surrogate: Toluene-d8	94.7	Limit: 82-121	% Rec	1		03/17/25 0000	03/17/25 2012	CSM
Surrogate: Toluene-d8	96.9	Limit: 82-121	% Rec	1		03/11/25 0000	03/12/25 0354	RAF
Surrogate: 4-Bromofluorobenzene	92.0	Limit: 80-116	% Rec	1		03/11/25 0000	03/12/25 0354	RAF
Surrogate: 4-Bromofluorobenzene	92.0	Limit: 78-121	% Rec	1		03/11/25 0000	03/12/25 0354	RAF
Surrogate: 4-Bromofluorobenzene	92.5	Limit: 80-116	% Rec	1		03/17/25 0000	03/17/25 2012	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		03/10/25 1526	03/12/25 0003	RVV
Arsenic, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0003	RVV
Barium, total	0.178	0.0040	mg/L	4		03/10/25 1526	03/12/25 0003	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0003	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/10/25 1526	03/12/25 0003	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/10/25 1526	03/12/25 0003	RVV
Cobalt, total	<0.0004	0.0004	mg/L	4		03/10/25 1526	03/12/25 0003	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0003	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0003	RVV
Nickel, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0003	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0003	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0003	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/10/25 1526	03/12/25 0003	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/12/25 0003	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/12/25 0003	RVV

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: MW-27 (b)
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-09

Collected By: Whipple, Todd
Collection Date: 03/06/2025 10:10

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		03/17/25 0000	03/18/25 0135	BDF
Vinyl Chloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0135	BDF
Bromomethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0135	BDF
Chloroethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0135	BDF
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0135	BDF
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
Acetone	<10.0	10.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
Methyl Iodide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
Carbon Disulfide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
Methylene Chloride	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
Acrylonitrile	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
Vinyl Acetate	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
Bromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
Chloroform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0135	BDF
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0135	BDF
Benzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
Trichloroethylene	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0135	BDF
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
Dibromomethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
Bromodichloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
Toluene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0135	BDF
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
Dibromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
Chlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
Ethylbenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
Xylenes, total	<2.0	2.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
Styrene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
Bromoform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: MW-27 (b)
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-09

Collected By: Whipple, Todd
Collection Date: 03/06/2025 10:10

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		03/11/25 0000	03/12/25 0417	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0417	RAF
Surrogate: Dibromofluoromethane	102	Limit: 75-136	% Rec	1		03/11/25 0000	03/12/25 0417	RAF
Surrogate: Dibromofluoromethane	102	Limit: 57-134	% Rec	1		03/11/25 0000	03/12/25 0417	RAF
Surrogate: Dibromofluoromethane	89.1	Limit: 75-136	% Rec	1		03/17/25 0000	03/18/25 0135	BDF
Surrogate: 1,2-Dichloroethane-d4	98.2	Limit: 53-140	% Rec	1		03/11/25 0000	03/12/25 0417	RAF
Surrogate: 1,2-Dichloroethane-d4	98.2	Limit: 61-142	% Rec	1		03/11/25 0000	03/12/25 0417	RAF
Surrogate: 1,2-Dichloroethane-d4	88.4	Limit: 61-142	% Rec	1		03/17/25 0000	03/18/25 0135	BDF
Surrogate: Toluene-d8	96.3	Limit: 82-121	% Rec	1		03/11/25 0000	03/12/25 0417	RAF
Surrogate: Toluene-d8	96.3	Limit: 86-114	% Rec	1		03/11/25 0000	03/12/25 0417	RAF
Surrogate: Toluene-d8	106	Limit: 82-121	% Rec	1		03/17/25 0000	03/18/25 0135	BDF
Surrogate: 4-Bromofluorobenzene	92.6	Limit: 78-121	% Rec	1		03/11/25 0000	03/12/25 0417	RAF
Surrogate: 4-Bromofluorobenzene	92.6	Limit: 80-116	% Rec	1		03/11/25 0000	03/12/25 0417	RAF
Surrogate: 4-Bromofluorobenzene	96.8	Limit: 80-116	% Rec	1		03/17/25 0000	03/18/25 0135	BDF

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		03/10/25 1526	03/12/25 0021	RVV
Arsenic, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0021	RVV
Barium, total	0.102	0.0040	mg/L	4		03/10/25 1526	03/12/25 0021	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0021	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/10/25 1526	03/12/25 0021	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/10/25 1526	03/12/25 0021	RVV
Cobalt, total	0.0004	0.0004	mg/L	4		03/10/25 1526	03/12/25 0021	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0021	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0021	RVV
Nickel, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0021	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0021	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0021	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/10/25 1526	03/12/25 0021	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/12/25 0021	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/12/25 0021	RVV

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: MW-28 (b)
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-10

Collected By: Whipple, Todd
Collection Date: 03/06/2025 10:50

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		03/17/25 0000	03/18/25 0157	BDF
Vinyl Chloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0157	BDF
Bromomethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0157	BDF
Chloroethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0157	BDF
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0157	BDF
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
Acetone	<10.0	10.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
Methyl Iodide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
Carbon Disulfide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
Methylene Chloride	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
Acrylonitrile	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
Vinyl Acetate	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
Bromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
Chloroform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0157	BDF
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0157	BDF
Benzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
Trichloroethylene	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0157	BDF
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
Dibromomethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
Bromodichloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
Toluene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0157	BDF
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
Dibromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
Chlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
Ethylbenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
Xylenes, total	<2.0	2.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
Styrene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
Bromoform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: MW-28 (b)
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-10

Collected By: Whipple, Todd
Collection Date: 03/06/2025 10:50

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		03/11/25 0000	03/12/25 0440	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0440	RAF
Surrogate: Dibromofluoromethane	105	Limit: 75-136	% Rec	1		03/11/25 0000	03/12/25 0440	RAF
Surrogate: Dibromofluoromethane	105	Limit: 57-134	% Rec	1		03/11/25 0000	03/12/25 0440	RAF
Surrogate: Dibromofluoromethane	95.6	Limit: 75-136	% Rec	1		03/17/25 0000	03/18/25 0157	BDF
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 53-140	% Rec	1		03/11/25 0000	03/12/25 0440	RAF
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 61-142	% Rec	1		03/11/25 0000	03/12/25 0440	RAF
Surrogate: 1,2-Dichloroethane-d4	92.9	Limit: 61-142	% Rec	1		03/17/25 0000	03/18/25 0157	BDF
Surrogate: Toluene-d8	94.9	Limit: 82-121	% Rec	1		03/11/25 0000	03/12/25 0440	RAF
Surrogate: Toluene-d8	94.9	Limit: 86-114	% Rec	1		03/11/25 0000	03/12/25 0440	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec	1		03/17/25 0000	03/18/25 0157	BDF
Surrogate: 4-Bromofluorobenzene	93.3	Limit: 78-121	% Rec	1		03/11/25 0000	03/12/25 0440	RAF
Surrogate: 4-Bromofluorobenzene	93.3	Limit: 80-116	% Rec	1		03/11/25 0000	03/12/25 0440	RAF
Surrogate: 4-Bromofluorobenzene	97.8	Limit: 80-116	% Rec	1		03/17/25 0000	03/18/25 0157	BDF

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		03/10/25 1526	03/12/25 0027	RVV
Arsenic, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0027	RVV
Barium, total	0.0280	0.0040	mg/L	4		03/10/25 1526	03/12/25 0027	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0027	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/10/25 1526	03/12/25 0027	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/10/25 1526	03/12/25 0027	RVV
Cobalt, total	<0.0004	0.0004	mg/L	4		03/10/25 1526	03/12/25 0027	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0027	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0027	RVV
Nickel, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0027	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0027	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0027	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/10/25 1526	03/12/25 0027	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/12/25 0027	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/12/25 0027	RVV

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: MW-7 (b)
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-11

Collected By: Whipple, Todd
Collection Date: 03/06/2025 10:32

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		03/17/25 0000	03/18/25 0220	BDF
Vinyl Chloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0220	BDF
Bromomethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0220	BDF
Chloroethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0220	BDF
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0220	BDF
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
Acetone	<10.0	10.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
Methyl Iodide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
Carbon Disulfide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
Methylene Chloride	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
Acrylonitrile	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
Vinyl Acetate	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
Bromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
Chloroform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0220	BDF
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0220	BDF
Benzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
Trichloroethylene	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0220	BDF
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
Dibromomethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
Bromodichloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
Toluene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0220	BDF
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
Dibromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
Chlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
Ethylbenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
Xylenes, total	<2.0	2.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
Styrene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
Bromoform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: MW-7 (b)
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-11

Collected By: Whipple, Todd
Collection Date: 03/06/2025 10:32

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		03/11/25 0000	03/12/25 0503	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0503	RAF
Surrogate: Dibromofluoromethane	88.7	Limit: 75-136	% Rec	1		03/17/25 0000	03/18/25 0220	BDF
Surrogate: Dibromofluoromethane	104	Limit: 75-136	% Rec	1		03/11/25 0000	03/12/25 0503	RAF
Surrogate: Dibromofluoromethane	104	Limit: 57-134	% Rec	1		03/11/25 0000	03/12/25 0503	RAF
Surrogate: 1,2-Dichloroethane-d4	87.1	Limit: 61-142	% Rec	1		03/17/25 0000	03/18/25 0220	BDF
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 61-142	% Rec	1		03/11/25 0000	03/12/25 0503	RAF
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 53-140	% Rec	1		03/11/25 0000	03/12/25 0503	RAF
Surrogate: Toluene-d8	95.9	Limit: 86-114	% Rec	1		03/11/25 0000	03/12/25 0503	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec	1		03/17/25 0000	03/18/25 0220	BDF
Surrogate: Toluene-d8	95.9	Limit: 82-121	% Rec	1		03/11/25 0000	03/12/25 0503	RAF
Surrogate: 4-Bromofluorobenzene	95.8	Limit: 80-116	% Rec	1		03/17/25 0000	03/18/25 0220	BDF
Surrogate: 4-Bromofluorobenzene	93.6	Limit: 80-116	% Rec	1		03/11/25 0000	03/12/25 0503	RAF
Surrogate: 4-Bromofluorobenzene	93.6	Limit: 78-121	% Rec	1		03/11/25 0000	03/12/25 0503	RAF

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		03/10/25 1526	03/12/25 0034	RVV
Arsenic, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0034	RVV
Barium, total	0.148	0.0040	mg/L	4		03/10/25 1526	03/12/25 0034	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0034	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/10/25 1526	03/12/25 0034	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/10/25 1526	03/12/25 0034	RVV
Cobalt, total	<0.0004	0.0004	mg/L	4		03/10/25 1526	03/12/25 0034	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0034	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0034	RVV
Nickel, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0034	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0034	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0034	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/10/25 1526	03/12/25 0034	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/12/25 0034	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/12/25 0034	RVV

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: MW-12
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-12

Collected By: Whipple, Todd
Collection Date: 03/06/2025 12:16

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		03/17/25 0000	03/18/25 0242	BDF
Vinyl Chloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0242	BDF
Bromomethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0242	BDF
Chloroethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0242	BDF
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0242	BDF
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
Acetone	<10.0	10.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
Methyl Iodide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
Carbon Disulfide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
Methylene Chloride	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
Acrylonitrile	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
Vinyl Acetate	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
Bromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
Chloroform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0242	BDF
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0242	BDF
Benzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
Trichloroethylene	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0242	BDF
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
Dibromomethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
Bromodichloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
Toluene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0242	BDF
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
Dibromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
Chlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
Ethylbenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
Xylenes, total	<2.0	2.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
Styrene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
Bromoform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: MW-12
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-12

Collected By: Whipple, Todd
Collection Date: 03/06/2025 12:16

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		03/11/25 0000	03/12/25 0525	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0525	RAF
Surrogate: Dibromofluoromethane	89.8	Limit: 75-136	% Rec	1		03/17/25 0000	03/18/25 0242	BDF
Surrogate: Dibromofluoromethane	105	Limit: 75-136	% Rec	1		03/11/25 0000	03/12/25 0525	RAF
Surrogate: Dibromofluoromethane	105	Limit: 57-134	% Rec	1		03/11/25 0000	03/12/25 0525	RAF
Surrogate: 1,2-Dichloroethane-d4	87.7	Limit: 61-142	% Rec	1		03/17/25 0000	03/18/25 0242	BDF
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 53-140	% Rec	1		03/11/25 0000	03/12/25 0525	RAF
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 61-142	% Rec	1		03/11/25 0000	03/12/25 0525	RAF
Surrogate: Toluene-d8	104	Limit: 82-121	% Rec	1		03/17/25 0000	03/18/25 0242	BDF
Surrogate: Toluene-d8	94.7	Limit: 82-121	% Rec	1		03/11/25 0000	03/12/25 0525	RAF
Surrogate: Toluene-d8	94.7	Limit: 86-114	% Rec	1		03/11/25 0000	03/12/25 0525	RAF
Surrogate: 4-Bromofluorobenzene	95.3	Limit: 80-116	% Rec	1		03/17/25 0000	03/18/25 0242	BDF
Surrogate: 4-Bromofluorobenzene	91.9	Limit: 78-121	% Rec	1		03/11/25 0000	03/12/25 0525	RAF
Surrogate: 4-Bromofluorobenzene	91.9	Limit: 80-116	% Rec	1		03/11/25 0000	03/12/25 0525	RAF

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		03/10/25 1526	03/12/25 0040	RVV
Arsenic, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0040	RVV
Barium, total	0.152	0.0040	mg/L	4		03/10/25 1526	03/12/25 0040	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0040	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/10/25 1526	03/12/25 0040	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/10/25 1526	03/12/25 0040	RVV
Cobalt, total	0.0009	0.0004	mg/L	4		03/10/25 1526	03/12/25 0040	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0040	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0040	RVV
Nickel, total	0.0114	0.0040	mg/L	4		03/10/25 1526	03/12/25 0040	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0040	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0040	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/10/25 1526	03/12/25 0040	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/12/25 0040	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/12/25 0040	RVV

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: MW-14
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-13

Collected By: Whipple, Todd
Collection Date: 03/06/2025 12:32

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		03/17/25 0000	03/18/25 0304	BDF
Vinyl Chloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0304	BDF
Bromomethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0304	BDF
Chloroethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0304	BDF
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0304	BDF
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
Acetone	<10.0	10.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
Methyl Iodide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
Carbon Disulfide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
Methylene Chloride	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
Acrylonitrile	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
Vinyl Acetate	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
Bromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
Chloroform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0304	BDF
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0304	BDF
Benzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
Trichloroethylene	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0304	BDF
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
Dibromomethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
Bromodichloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
Toluene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/17/25 0000	03/18/25 0304	BDF
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
Dibromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
Chlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
Ethylbenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
Xylenes, total	<2.0	2.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
Styrene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
Bromoform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: MW-14
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-13

Collected By: Whipple, Todd
Collection Date: 03/06/2025 12:32

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		03/11/25 0000	03/12/25 0548	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0548	RAF
Surrogate: Dibromofluoromethane	104	Limit: 75-136	% Rec	1		03/11/25 0000	03/12/25 0548	RAF
Surrogate: Dibromofluoromethane	104	Limit: 57-134	% Rec	1		03/11/25 0000	03/12/25 0548	RAF
Surrogate: Dibromofluoromethane	89.4	Limit: 75-136	% Rec	1		03/17/25 0000	03/18/25 0304	BDF
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 53-140	% Rec	1		03/11/25 0000	03/12/25 0548	RAF
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 61-142	% Rec	1		03/11/25 0000	03/12/25 0548	RAF
Surrogate: 1,2-Dichloroethane-d4	85.0	Limit: 61-142	% Rec	1		03/17/25 0000	03/18/25 0304	BDF
Surrogate: Toluene-d8	96.3	Limit: 86-114	% Rec	1		03/11/25 0000	03/12/25 0548	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec	1		03/17/25 0000	03/18/25 0304	BDF
Surrogate: Toluene-d8	96.3	Limit: 82-121	% Rec	1		03/11/25 0000	03/12/25 0548	RAF
Surrogate: 4-Bromofluorobenzene	94.7	Limit: 80-116	% Rec	1		03/11/25 0000	03/12/25 0548	RAF
Surrogate: 4-Bromofluorobenzene	94.7	Limit: 78-121	% Rec	1		03/11/25 0000	03/12/25 0548	RAF
Surrogate: 4-Bromofluorobenzene	95.4	Limit: 80-116	% Rec	1		03/17/25 0000	03/18/25 0304	BDF

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		03/10/25 1526	03/12/25 0046	RVV
Arsenic, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0046	RVV
Barium, total	0.355	0.0040	mg/L	4		03/10/25 1526	03/12/25 0046	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0046	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/10/25 1526	03/12/25 0046	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/10/25 1526	03/12/25 0046	RVV
Cobalt, total	<0.0004	0.0004	mg/L	4		03/10/25 1526	03/12/25 0046	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0046	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0046	RVV
Nickel, total	0.0053	0.0040	mg/L	4		03/10/25 1526	03/12/25 0046	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0046	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0046	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/10/25 1526	03/12/25 0046	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/12/25 0046	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/12/25 0046	RVV

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID:	Duplicate	Collected By:	Whipple, Todd
Sample Matrix:	Aqueous	Collection Date:	03/06/2025
Lab Sample ID:	11C0568-14		

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		03/10/25 1526	03/12/25 0052	RVV
Arsenic, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0052	RVV
Barium, total	0.173	0.0040	mg/L	4		03/10/25 1526	03/12/25 0052	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0052	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/10/25 1526	03/12/25 0052	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/10/25 1526	03/12/25 0052	RVV
Cobalt, total	<0.0004	0.0004	mg/L	4		03/10/25 1526	03/12/25 0052	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0052	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0052	RVV
Nickel, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0052	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0052	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0052	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/10/25 1526	03/12/25 0052	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/12/25 0052	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/12/25 0052	RVV

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: MW-41
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-15

Collected By: Whipple, Todd
Collection Date: 03/06/2025 11:28

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		03/19/25 0000	03/20/25 0328	CSM
Vinyl Chloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0328	CSM
Bromomethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0328	CSM
Chloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0328	CSM
Trichlorofluoromethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0328	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
Acetone	<10.0	10.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
Methyl Iodide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
Carbon Disulfide	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
Methylene Chloride	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
Acrylonitrile	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
Vinyl Acetate	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
Bromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
Chloroform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0328	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0328	CSM
Benzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
Trichloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0328	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
Dibromomethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
Bromodichloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
Toluene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
Tetrachloroethylene	<1.0	1.0	ug/L	1		03/19/25 0000	03/20/25 0328	CSM
2-Hexanone (MBK)	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
Dibromochloromethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
Chlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
Ethylbenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
Xylenes, total	<2.0	2.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
Styrene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
Bromoform	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF

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CERTIFICATE OF ANALYSIS

11C0568

Client Sample ID: MW-41
Sample Matrix: Aqueous
Lab Sample ID: 11C0568-15

Collected By: Whipple, Todd
Collection Date: 03/06/2025 11:28

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		03/11/25 0000	03/12/25 0611	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L	1		03/11/25 0000	03/12/25 0611	RAF
Surrogate: Dibromofluoromethane	66.6	Limit: 75-136	% Rec	1	S2	03/19/25 0000	03/20/25 0328	CSM
Surrogate: Dibromofluoromethane	103	Limit: 57-134	% Rec	1		03/11/25 0000	03/12/25 0611	RAF
Surrogate: Dibromofluoromethane	103	Limit: 75-136	% Rec	1		03/11/25 0000	03/12/25 0611	RAF
Surrogate: 1,2-Dichloroethane-d4	99.1	Limit: 53-140	% Rec	1		03/11/25 0000	03/12/25 0611	RAF
Surrogate: 1,2-Dichloroethane-d4	65.7	Limit: 61-142	% Rec	1		03/19/25 0000	03/20/25 0328	CSM
Surrogate: 1,2-Dichloroethane-d4	99.1	Limit: 61-142	% Rec	1		03/11/25 0000	03/12/25 0611	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec	1		03/19/25 0000	03/20/25 0328	CSM
Surrogate: Toluene-d8	96.8	Limit: 86-114	% Rec	1		03/11/25 0000	03/12/25 0611	RAF
Surrogate: Toluene-d8	96.8	Limit: 82-121	% Rec	1		03/11/25 0000	03/12/25 0611	RAF
Surrogate: 4-Bromofluorobenzene	94.2	Limit: 78-121	% Rec	1		03/11/25 0000	03/12/25 0611	RAF
Surrogate: 4-Bromofluorobenzene	90.4	Limit: 80-116	% Rec	1		03/19/25 0000	03/20/25 0328	CSM
Surrogate: 4-Bromofluorobenzene	94.2	Limit: 80-116	% Rec	1		03/11/25 0000	03/12/25 0611	RAF
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		03/10/25 1526	03/12/25 0058	RVV
Arsenic, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0058	RVV
Barium, total	0.414	0.0040	mg/L	4		03/10/25 1526	03/12/25 0058	RVV
Beryllium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0058	RVV
Cadmium, total	<0.0008	0.0008	mg/L	4		03/10/25 1526	03/12/25 0058	RVV
Chromium, total	<0.0080	0.0080	mg/L	4		03/10/25 1526	03/12/25 0058	RVV
Cobalt, total	0.0009	0.0004	mg/L	4		03/10/25 1526	03/12/25 0058	RVV
Copper, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0058	RVV
Lead, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0058	RVV
Nickel, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0058	RVV
Selenium, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0058	RVV
Silver, total	<0.0040	0.0040	mg/L	4		03/10/25 1526	03/12/25 0058	RVV
Thallium, total	<0.0020	0.0020	mg/L	4		03/10/25 1526	03/12/25 0058	RVV
Vanadium, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/12/25 0058	RVV
Zinc, total	<0.0200	0.0200	mg/L	4		03/10/25 1526	03/12/25 0058	RVV

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CERTIFICATE OF ANALYSIS

1IC0568

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1IC0421	1IC0421-BLK1	
		1IC0421-BLK1	
		1IC0421-BS1	
		1IC0421-BS1	
		1IC0568-01	MW-20
		1IC0568-01	MW-20
		1IC0421-MS1	1IC0568-01
		1IC0421-MS1	1IC0568-01
		1IC0421-MSD1	1IC0568-01
		1IC0421-MSD1	1IC0568-01
		1IC0421-PS1	1IC0568-01
		1IC0421-PS1	1IC0568-01
		1IC0568-02	AW-1
		1IC0568-02	AW-1
		1IC0568-03	MW-24
		1IC0568-03	MW-24
		1IC0568-04	MW-25
		1IC0568-04	MW-25
		1IC0568-05	AW-2
		1IC0568-05	AW-2
		1IC0568-06	AW-9
		1IC0568-08	MW-26 (b)
		1IC0568-08	MW-26 (b)
		1IC0568-09	MW-27 (b)
		1IC0568-09	MW-27 (b)
		1IC0568-10	MW-28 (b)
		1IC0568-10	MW-28 (b)
		1IC0568-11	MW-7 (b)
		1IC0568-11	MW-7 (b)
		1IC0568-12	MW-12
		1IC0568-12	MW-12
		1IC0568-13	MW-14
		1IC0568-13	MW-14
		1IC0568-14	Duplicate
		1IC0568-14	Duplicate
		1IC0568-15	MW-41
		1IC0568-15	MW-41
		1IC0568-07	AW-3
Method	Batch	Laboratory ID	Client / Source ID

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CERTIFICATE OF ANALYSIS

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EPA 376.2	1IC0439	1IC0568-01	MW-20
		1IC0439-MSD1	1IC0461-01
		1IC0439-BLK1	
		1IC0439-MS1	1IC0461-01
		1IC0439-BS1	

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IC0531	1IC0531-BLK1	
		1IC0531-BS1	
		1IC0531-BSD1	
		1IC0568-01	MW-20
		1IC0568-02	AW-1
		1IC0568-03	MW-24
		1IC0568-04	MW-25
		1IC0568-05	AW-2
		1IC0568-07	AW-3
		1IC0568-08	MW-26 (b)
		1IC0568-09	MW-27 (b)
		1IC0568-10	MW-28 (b)
		1IC0568-11	MW-7 (b)
		1IC0568-12	MW-12
		1IC0568-13	MW-14
		1IC0568-15	MW-41

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IC0807	1IC0807-BS1	
		1IC0807-BLK1	
		1IC0568-09RE1	MW-27 (b)
		1IC0568-10RE1	MW-28 (b)
		1IC0568-11RE1	MW-7 (b)
		1IC0568-12RE1	MW-12
		1IC0568-13RE1	MW-14
		1IC0568-07RE2	AW-3
		1IC0807-MS1	1IC0696-04
		1IC0807-MSD1	1IC0696-04
		1IC0807-BS2	
		1IC0807-BSD2	
		1IC0807-MS2	1IC0854-15
		1IC0807-MSD2	1IC0854-15
		1IC0807-BLK2	

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IC0808	1IC0808-BS1	
		1IC0808-BSD1	



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CERTIFICATE OF ANALYSIS

1IC0568

EPA 8260D	1IC0808	1IC0808-BLK1	
		1IC0568-01RE1	MW-20
		1IC0568-02RE1	AW-1
		1IC0568-03RE1	MW-24
		1IC0568-04RE1	MW-25
		1IC0568-05RE1	AW-2
		1IC0568-07RE1	AW-3
		1IC0568-08RE1	MW-26 (b)
		1IC0808-MS1	1IC0568-01RE1
		1IC0808-MSD1	1IC0568-01RE1

Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1IC1002	1IC1002-BS1	
		1IC1002-BLK1	
		1IC1002-MS1	1IC0851-01
		1IC1002-MSD1	1IC0851-01
		1IC1002-BS2	
		1IC1002-BSD2	
		1IC1002-BLK2	
		1IC0568-15RE1	MW-41
		1IC1002-MS2	1IC0851-21
		1IC1002-MSD2	1IC0851-21

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 1IC0531 - EPA 5030B - EPA 8260D										
Blank (1IC0531-BLK1)				Prepared: 03/11/25 00:00 Analyzed: 03/11/25 14:51						
1,1-Dichloroethylene	<1.0	1.0	ug/L							B1
Acetone	15.25	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							
Benzene	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							

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CERTIFICATE OF ANALYSIS

1IC0568

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0531 - EPA 5030B - EPA 8260D										
Blank (1IC0531-BLK1)										
Prepared: 03/11/25 00:00 Analyzed: 03/11/25 14:51										
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							
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	57.9		ug/L	50.2		115	57-134			
Surrogate: Dibromofluoromethane	57.9		ug/L	50.2		115	75-136			
Surrogate: 1,2-Dichloroethane-d4	54.3		ug/L	50.1		108	53-140			
Surrogate: 1,2-Dichloroethane-d4	54.3		ug/L	50.1		108	61-142			
Surrogate: Toluene-d8	50.5		ug/L	50.4		100	86-114			
Surrogate: Toluene-d8	50.5		ug/L	50.4		100	82-121			
Surrogate: 4-Bromofluorobenzene	49.3		ug/L	50.1		98.3	78-121			
Surrogate: 4-Bromofluorobenzene	49.3		ug/L	50.1		98.3	80-116			
LCS (1IC0531-BS1)										
Prepared: 03/11/25 00:00 Analyzed: 03/12/25 00:29										
1,1-Dichloroethylene	34.64	1.0	ug/L	30.0		115	70-148			
Acetone	119.1	10.0	ug/L	100		119	43-172			
Methyl Iodide	98.94	1.0	ug/L	100		98.9	69-170			
Carbon Disulfide	108.9	1.0	ug/L	100		109	72-162			
Methylene Chloride	36.59	5.0	ug/L	30.0		122	68-142			
Acrylonitrile	119.1	5.0	ug/L	100		119	56-135			
trans-1,2-Dichloroethylene	34.08	1.0	ug/L	30.0		114	66-148			
1,1-Dichloroethane	33.87	1.0	ug/L	30.0		113	66-143			
Vinyl Acetate	171.4	5.0	ug/L	140		122	43-153			
cis-1,2-Dichloroethylene	35.62	1.0	ug/L	30.0		119	71-149			
2-Butanone (MEK)	126.1	10.0	ug/L	100		126	52-159			
Bromochloromethane	41.23	1.0	ug/L	30.0		137	69-143			

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CERTIFICATE OF ANALYSIS

1IC0568

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0531 - EPA 5030B - EPA 8260D										
LCS (1IC0531-BS1)										
Prepared: 03/11/25 00:00 Analyzed: 03/12/25 00:29										
Chloroform	31.95	1.0	ug/L	30.0		106	69-144			
Benzene	28.97	1.0	ug/L	30.0		96.6	71-134			
1,2-Dichloroethane	26.02	1.0	ug/L	30.0		86.7	72-132			
1,2-Dichloropropane	33.48	1.0	ug/L	30.0		112	69-136			
Dibromomethane	29.68	1.0	ug/L	30.0		98.9	73-147			
Bromodichloromethane	26.74	1.0	ug/L	30.0		89.1	68-129			
cis-1,3-Dichloropropene	27.60	1.0	ug/L	30.0		92.0	65-134			
4-Methyl-2-pentanone (MIBK)	107.6	5.0	ug/L	100		108	58-147			
Toluene	30.12	1.0	ug/L	30.0		100	72-133			
trans-1,3-Dichloropropene	27.09	1.0	ug/L	30.0		90.3	67-130			
1,1,2-Trichloroethane	30.30	1.0	ug/L	30.0		101	69-135			
2-Hexanone (MBK)	112.7	5.0	ug/L	100		113	55-144			
Dibromochloromethane	27.02	1.0	ug/L	30.0		90.1	73-127			
1,2-Dibromoethane	28.57	1.0	ug/L	30.0		95.2	67-132			
Chlorobenzene	26.91	1.0	ug/L	30.0		89.7	72-123			
1,1,1,2-Tetrachloroethane	28.51	1.0	ug/L	30.0		95.0	73-127			
Ethylbenzene	30.55	1.0	ug/L	30.0		102	71-127			
Xylenes, total	79.42	2.0	ug/L	90.0		88.2	74-127			
Styrene	28.52	1.0	ug/L	30.0		95.1	66-126			
Bromoform	23.75	1.0	ug/L	30.0		79.2	68-130			
1,2,3-Trichloropropane	27.55	1.0	ug/L	30.0		91.8	63-136			
trans-1,4-Dichloro-2-butene	92.54	5.0	ug/L	100		92.5	54-134			
1,1,2,2-Tetrachloroethane	31.45	1.0	ug/L	30.0		105	61-131			
1,4-Dichlorobenzene	28.79	1.0	ug/L	30.0		96.0	70-129			
1,2-Dichlorobenzene	28.84	1.0	ug/L	30.0		96.1	69-126			
1,2-Dibromo-3-chloropropane	25.80	5.0	ug/L	30.0		86.0	50-143			
Surrogate: Dibromofluoromethane	54.9		ug/L	50.2		109	57-134			
Surrogate: Dibromofluoromethane	54.9		ug/L	50.2		109	75-136			
Surrogate: 1,2-Dichloroethane-d4	51.9		ug/L	50.1		104	53-140			
Surrogate: 1,2-Dichloroethane-d4	51.9		ug/L	50.1		104	61-142			
Surrogate: Toluene-d8	49.9		ug/L	50.4		99.0	86-114			
Surrogate: Toluene-d8	49.9		ug/L	50.4		99.0	82-121			
Surrogate: 4-Bromofluorobenzene	50.7		ug/L	50.1		101	78-121			
Surrogate: 4-Bromofluorobenzene	50.7		ug/L	50.1		101	80-116			
LCS Dup (1IC0531-BSD1)										
Prepared: 03/11/25 00:00 Analyzed: 03/12/25 00:52										
1,1-Dichloroethylene	33.24	1.0	ug/L	30.0		111	70-148	4.12	24	
Acetone	124.8	10.0	ug/L	100		125	43-172	4.70	30	
Methyl Iodide	99.78	1.0	ug/L	100		99.8	69-170	0.845	30	
Carbon Disulfide	104.4	1.0	ug/L	100		104	72-162	4.23	24	
Methylene Chloride	35.14	5.0	ug/L	30.0		117	68-142	4.04	21	
Acrylonitrile	119.3	5.0	ug/L	100		119	56-135	0.143	16	
trans-1,2-Dichloroethylene	32.54	1.0	ug/L	30.0		108	66-148	4.62	27	
1,1-Dichloroethane	33.23	1.0	ug/L	30.0		111	66-143	1.91	24	

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CERTIFICATE OF ANALYSIS

1IC0568

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0531 - EPA 5030B - EPA 8260D										
LCS Dup (1IC0531-BSD1)										
Prepared: 03/11/25 00:00 Analyzed: 03/12/25 00:52										
Vinyl Acetate	170.2	5.0	ug/L	140		122	43-153	0.726	30	
cis-1,2-Dichloroethylene	34.52	1.0	ug/L	30.0		115	71-149	3.14	26	
2-Butanone (MEK)	126.0	10.0	ug/L	100		126	52-159	0.0714	27	
Bromochloromethane	37.18	1.0	ug/L	30.0		124	69-143	10.3	23	
Chloroform	31.12	1.0	ug/L	30.0		104	69-144	2.63	23	
Benzene	28.84	1.0	ug/L	30.0		96.1	71-134	0.450	24	
1,2-Dichloroethane	25.38	1.0	ug/L	30.0		84.6	72-132	2.49	24	
1,2-Dichloropropane	32.20	1.0	ug/L	30.0		107	69-136	3.90	24	
Dibromomethane	29.84	1.0	ug/L	30.0		99.5	73-147	0.538	25	
Bromodichloromethane	26.08	1.0	ug/L	30.0		86.9	68-129	2.50	22	
cis-1,3-Dichloropropene	26.69	1.0	ug/L	30.0		89.0	65-134	3.35	23	
4-Methyl-2-pentanone (MIBK)	106.5	5.0	ug/L	100		107	58-147	0.981	27	
Toluene	29.65	1.0	ug/L	30.0		98.8	72-133	1.57	24	
trans-1,3-Dichloropropene	26.31	1.0	ug/L	30.0		87.7	67-130	2.92	24	
1,1,2-Trichloroethane	30.30	1.0	ug/L	30.0		101	69-135	0.00	23	
2-Hexanone (MBK)	111.4	5.0	ug/L	100		111	55-144	1.15	25	
Dibromochloromethane	25.69	1.0	ug/L	30.0		85.6	73-127	5.05	22	
1,2-Dibromoethane	27.55	1.0	ug/L	30.0		91.8	67-132	3.64	24	
Chlorobenzene	26.56	1.0	ug/L	30.0		88.5	72-123	1.31	23	
1,1,1,2-Tetrachloroethane	27.59	1.0	ug/L	30.0		92.0	73-127	3.28	24	
Ethylbenzene	29.71	1.0	ug/L	30.0		99.0	71-127	2.79	26	
Xylenes, total	77.76	2.0	ug/L	90.0		86.4	74-127	2.11	25	
Styrene	27.48	1.0	ug/L	30.0		91.6	66-126	3.71	23	
Bromoform	23.34	1.0	ug/L	30.0		77.8	68-130	1.74	23	
1,2,3-Trichloropropane	26.86	1.0	ug/L	30.0		89.5	63-136	2.54	24	
trans-1,4-Dichloro-2-butene	93.02	5.0	ug/L	100		93.0	54-134	0.517	27	
1,1,2,2-Tetrachloroethane	31.96	1.0	ug/L	30.0		107	61-131	1.61	29	
1,4-Dichlorobenzene	28.71	1.0	ug/L	30.0		95.7	70-129	0.278	24	
1,2-Dichlorobenzene	28.68	1.0	ug/L	30.0		95.6	69-126	0.556	26	
1,2-Dibromo-3-chloropropane	26.75	5.0	ug/L	30.0		89.2	50-143	3.62	30	
Surrogate: Dibromofluoromethane	53.9		ug/L	50.2		107	57-134			
Surrogate: Dibromofluoromethane	53.9		ug/L	50.2		107	75-136			
Surrogate: 1,2-Dichloroethane-d4	49.8		ug/L	50.1		99.5	53-140			
Surrogate: 1,2-Dichloroethane-d4	49.8		ug/L	50.1		99.5	61-142			
Surrogate: Toluene-d8	49.7		ug/L	50.4		98.7	86-114			
Surrogate: Toluene-d8	49.7		ug/L	50.4		98.7	82-121			
Surrogate: 4-Bromofluorobenzene	50.2		ug/L	50.1		100	78-121			
Surrogate: 4-Bromofluorobenzene	50.2		ug/L	50.1		100	80-116			

Batch 1IC0807 - EPA 5030B - EPA 8260D

Blank (1IC0807-BLK1)										
Prepared: 03/17/25 00:00 Analyzed: 03/17/25 20:21										
Chloromethane	<1.0	1.0	ug/L							
Vinyl Chloride	<1.0	1.0	ug/L							

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0807 - EPA 5030B - EPA 8260D										
Blank (1IC0807-BLK1)				Prepared: 03/17/25 00:00 Analyzed: 03/17/25 20:21						
Bromomethane	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Trichlorofluoromethane	<1.0	1.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
Acetone	<10.0	10.0	ug/L							
Methyl Iodide	<1.0	1.0	ug/L							
Carbon Disulfide	<1.0	1.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
Vinyl Acetate	<5.0	5.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10.0	10.0	ug/L							
Bromochloromethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Benzene	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L							
Toluene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<5.0	5.0	ug/L							
Dibromochloromethane	<1.0	1.0	ug/L							
1,2-Dibromoethane	<1.0	1.0	ug/L							
Chlorobenzene	<1.0	1.0	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Xylenes, total	<2.0	2.0	ug/L							
Styrene	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							
1,2,3-Trichloropropane	<1.0	1.0	ug/L							
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,4-Dichlorobenzene	<1.0	1.0	ug/L							
1,2-Dichlorobenzene	<1.0	1.0	ug/L							

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CERTIFICATE OF ANALYSIS

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0807 - EPA 5030B - EPA 8260D										
Blank (1IC0807-BLK1)				Prepared: 03/17/25 00:00 Analyzed: 03/17/25 20:21						
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L							
Surrogate: Dibromofluoromethane	43.6		ug/L	50.2		86.8	75-136			
Surrogate: 1,2-Dichloroethane-d4	41.0		ug/L	50.1		81.8	61-142			
Surrogate: Toluene-d8	51.8		ug/L	50.4		103	82-121			
Surrogate: 4-Bromofluorobenzene	50.5		ug/L	50.1		101	80-116			
Blank (1IC0807-BLK2)				Prepared: 03/17/25 00:00 Analyzed: 03/18/25 07:10						
Chloromethane	<1.0	1.0	ug/L							
Vinyl Chloride	<1.0	1.0	ug/L							
Bromomethane	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Trichlorofluoromethane	<1.0	1.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
Acetone	<10.0	10.0	ug/L							
Methyl Iodide	<1.0	1.0	ug/L							
Carbon Disulfide	<1.0	1.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
Vinyl Acetate	<5.0	5.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10.0	10.0	ug/L							
Bromochloromethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Benzene	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L							
Toluene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
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							

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CERTIFICATE OF ANALYSIS

11C0568

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11C0807 - EPA 5030B - EPA 8260D										
Blank (11C0807-BLK2)										
Prepared: 03/17/25 00:00 Analyzed: 03/18/25 07:10										
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	39.5		ug/L	50.2		78.7	75-136			
Surrogate: 1,2-Dichloroethane-d4	37.2		ug/L	50.1		74.2	61-142			
Surrogate: Toluene-d8	52.7		ug/L	50.4		105	82-121			
Surrogate: 4-Bromofluorobenzene	49.5		ug/L	50.1		98.7	80-116			
LCS (11C0807-BS1)										
Prepared: 03/17/25 00:00 Analyzed: 03/17/25 19:01										
Chloromethane	31.99	1.0	ug/L	30.3		106	63-155			
Vinyl Chloride	30.87	1.0	ug/L	30.2		102	70-154			
Bromomethane	28.22	1.0	ug/L	30.1		93.7	52-176			
Chloroethane	31.66	1.0	ug/L	30.3		104	72-148			
Trichlorofluoromethane	29.32	1.0	ug/L	30.3		96.7	70-152			
1,1-Dichloroethylene	56.32	1.0	ug/L	50.1		112	70-148			
Acetone	130.6	10.0	ug/L	100		131	43-172			
Methyl Iodide	105.7	1.0	ug/L	100		106	69-170			
Carbon Disulfide	103.6	1.0	ug/L	100		104	72-162			
Methylene Chloride	52.46	5.0	ug/L	50.1		105	68-142			
trans-1,2-Dichloroethylene	56.56	1.0	ug/L	50.1		113	66-148			
1,1-Dichloroethane	56.01	1.0	ug/L	50.1		112	66-143			
Vinyl Acetate	182.9	5.0	ug/L	140		131	43-153			
cis-1,2-Dichloroethylene	56.29	1.0	ug/L	50.4		112	71-149			
2-Butanone (MEK)	108.2	10.0	ug/L	100		108	52-159			
Bromochloromethane	57.54	1.0	ug/L	50.4		114	69-143			
Chloroform	55.06	1.0	ug/L	50.1		110	69-144			
1,1,1-Trichloroethane	55.17	1.0	ug/L	50.1		110	62-129			
Carbon Tetrachloride	55.05	1.0	ug/L	50.1		110	63-141			
Benzene	49.00	1.0	ug/L	50.4		97.2	71-134			
1,2-Dichloroethane	55.01	1.0	ug/L	50.1		110	72-132			
Trichloroethylene	50.10	1.0	ug/L	50.1		100	71-135			
1,2-Dichloropropane	51.79	1.0	ug/L	50.1		103	69-136			
Dibromomethane	55.44	1.0	ug/L	50.4		110	73-147			
Bromodichloromethane	54.46	1.0	ug/L	50.1		109	68-129			
cis-1,3-Dichloropropene	54.03	1.0	ug/L	50.1		108	65-134			
4-Methyl-2-pentanone (MIBK)	112.0	5.0	ug/L	100		112	58-147			

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CERTIFICATE OF ANALYSIS

1IC0568

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0807 - EPA 5030B - EPA 8260D										
LCS (1IC0807-BS1)										
Prepared: 03/17/25 00:00 Analyzed: 03/17/25 19:01										
Toluene	52.24	1.0	ug/L	50.5		103	72-133			
trans-1,3-Dichloropropene	54.08	1.0	ug/L	50.1		108	67-130			
1,1,2-Trichloroethane	51.16	1.0	ug/L	50.1		102	69-135			
Tetrachloroethylene	48.66	1.0	ug/L	50.1		97.1	69-130			
2-Hexanone (MBK)	121.3	5.0	ug/L	100		121	55-144			
Dibromochloromethane	55.26	1.0	ug/L	50.1		110	73-127			
1,2-Dibromoethane	55.88	1.0	ug/L	50.2		111	67-132			
Chlorobenzene	48.27	1.0	ug/L	50.1		96.4	72-123			
1,1,1,2-Tetrachloroethane	50.14	1.0	ug/L	50.3		99.6	73-127			
Ethylbenzene	51.97	1.0	ug/L	50.2		104	71-127			
Xylenes, total	160.4	2.0	ug/L	151		106	74-127			
Styrene	55.39	1.0	ug/L	50.4		110	66-126			
Bromoform	55.24	1.0	ug/L	50.1		110	68-130			
1,2,3-Trichloropropane	49.38	1.0	ug/L	50.3		98.1	63-136			
trans-1,4-Dichloro-2-butene	110.5	5.0	ug/L	100		111	54-134			
1,1,2,2-Tetrachloroethane	51.21	1.0	ug/L	50.1		102	61-131			
1,4-Dichlorobenzene	49.20	1.0	ug/L	50.1		98.2	70-129			
1,2-Dichlorobenzene	54.00	1.0	ug/L	50.1		108	69-126			
1,2-Dibromo-3-chloropropane	59.61	5.0	ug/L	50.1		119	50-143			
Surrogate: Dibromofluoromethane	55.3		ug/L	50.2		110	75-136			
Surrogate: 1,2-Dichloroethane-d4	55.2		ug/L	50.1		110	61-142			
Surrogate: Toluene-d8	50.2		ug/L	50.4		99.6	82-121			
Surrogate: 4-Bromofluorobenzene	53.0		ug/L	50.1		106	80-116			
LCS (1IC0807-BS2)										
Prepared: 03/17/25 00:00 Analyzed: 03/18/25 05:19										
Chloromethane	32.41	1.0	ug/L	30.3		107	63-155			
Vinyl Chloride	32.87	1.0	ug/L	30.2		109	70-154			
Bromomethane	30.60	1.0	ug/L	30.1		102	52-176			
Chloroethane	31.37	1.0	ug/L	30.3		103	72-148			
Trichlorofluoromethane	33.69	1.0	ug/L	30.3		111	70-152			
1,1-Dichloroethylene	56.66	1.0	ug/L	50.1		113	70-148			
Acetone	132.7	10.0	ug/L	100		133	43-172			
Methyl Iodide	100.7	1.0	ug/L	100		101	69-170			
Carbon Disulfide	103.5	1.0	ug/L	100		104	72-162			
Methylene Chloride	49.57	5.0	ug/L	50.1		98.9	68-142			
trans-1,2-Dichloroethylene	56.18	1.0	ug/L	50.1		112	66-148			
1,1-Dichloroethane	56.08	1.0	ug/L	50.1		112	66-143			
Vinyl Acetate	172.8	5.0	ug/L	140		123	43-153			
cis-1,2-Dichloroethylene	56.61	1.0	ug/L	50.4		112	71-149			
2-Butanone (MEK)	111.6	10.0	ug/L	100		112	52-159			
Bromochloromethane	56.23	1.0	ug/L	50.4		112	69-143			
Chloroform	56.17	1.0	ug/L	50.1		112	69-144			
1,1,1-Trichloroethane	56.43	1.0	ug/L	50.1		113	62-129			

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CERTIFICATE OF ANALYSIS

1IC0568

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0807 - EPA 5030B - EPA 8260D										
LCS (1IC0807-BS2)										
Prepared: 03/17/25 00:00 Analyzed: 03/18/25 05:19										
Carbon Tetrachloride	55.95	1.0	ug/L	50.1		112	63-141			
Benzene	50.09	1.0	ug/L	50.4		99.3	71-134			
1,2-Dichloroethane	53.51	1.0	ug/L	50.1		107	72-132			
Trichloroethylene	51.60	1.0	ug/L	50.1		103	71-135			
1,2-Dichloropropane	52.02	1.0	ug/L	50.1		104	69-136			
Dibromomethane	54.39	1.0	ug/L	50.4		108	73-147			
Bromodichloromethane	54.07	1.0	ug/L	50.1		108	68-129			
cis-1,3-Dichloropropene	51.63	1.0	ug/L	50.1		103	65-134			
4-Methyl-2-pentanone (MIBK)	112.6	5.0	ug/L	100		113	58-147			
Toluene	53.33	1.0	ug/L	50.5		106	72-133			
trans-1,3-Dichloropropene	50.10	1.0	ug/L	50.1		100	67-130			
1,1,2-Trichloroethane	52.01	1.0	ug/L	50.1		104	69-135			
Tetrachloroethylene	49.42	1.0	ug/L	50.1		98.6	69-130			
2-Hexanone (MBK)	114.2	5.0	ug/L	100		114	55-144			
Dibromochloromethane	55.13	1.0	ug/L	50.1		110	73-127			
1,2-Dibromoethane	53.91	1.0	ug/L	50.2		107	67-132			
Chlorobenzene	49.01	1.0	ug/L	50.1		97.9	72-123			
1,1,1,2-Tetrachloroethane	48.88	1.0	ug/L	50.3		97.1	73-127			
Ethylbenzene	52.41	1.0	ug/L	50.2		104	71-127			
Xylenes, total	158.3	2.0	ug/L	151		105	74-127			
Styrene	54.76	1.0	ug/L	50.4		109	66-126			
Bromoform	56.81	1.0	ug/L	50.1		113	68-130			
1,2,3-Trichloropropane	50.18	1.0	ug/L	50.3		99.7	63-136			
trans-1,4-Dichloro-2-butene	96.39	5.0	ug/L	100		96.4	54-134			
1,1,2,2-Tetrachloroethane	49.19	1.0	ug/L	50.1		98.2	61-131			
1,4-Dichlorobenzene	47.98	1.0	ug/L	50.1		95.7	70-129			
1,2-Dichlorobenzene	51.40	1.0	ug/L	50.1		103	69-126			
1,2-Dibromo-3-chloropropane	56.43	5.0	ug/L	50.1		113	50-143			
Surrogate: Dibromofluoromethane	56.0		ug/L	50.2		112	75-136			
Surrogate: 1,2-Dichloroethane-d4	55.4		ug/L	50.1		111	61-142			
Surrogate: Toluene-d8	50.2		ug/L	50.4		99.7	82-121			
Surrogate: 4-Bromofluorobenzene	52.2		ug/L	50.1		104	80-116			
LCS Dup (1IC0807-BSD2)										
Prepared: 03/17/25 00:00 Analyzed: 03/18/25 05:41										
Chloromethane	30.24	1.0	ug/L	30.3		99.7	63-155	6.93	24	
Vinyl Chloride	30.29	1.0	ug/L	30.2		100	70-154	8.17	25	
Bromomethane	29.35	1.0	ug/L	30.1		97.4	52-176	4.17	27	
Chloroethane	29.21	1.0	ug/L	30.3		96.3	72-148	7.13	25	
Trichlorofluoromethane	31.08	1.0	ug/L	30.3		103	70-152	8.06	26	
1,1-Dichloroethylene	53.21	1.0	ug/L	50.1		106	70-148	6.28	24	
Acetone	128.2	10.0	ug/L	100		128	43-172	3.43	30	
Methyl Iodide	95.17	1.0	ug/L	100		95.2	69-170	5.65	30	
Carbon Disulfide	97.35	1.0	ug/L	100		97.4	72-162	6.13	24	

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CERTIFICATE OF ANALYSIS

1IC0568

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0807 - EPA 5030B - EPA 8260D										
LCS Dup (1IC0807-BSD2)										
Prepared: 03/17/25 00:00 Analyzed: 03/18/25 05:41										
Methylene Chloride	47.40	5.0	ug/L	50.1		94.6	68-142	4.48	21	
trans-1,2-Dichloroethylene	53.13	1.0	ug/L	50.1		106	66-148	5.58	27	
1,1-Dichloroethane	53.13	1.0	ug/L	50.1		106	66-143	5.40	24	
Vinyl Acetate	170.5	5.0	ug/L	140		122	43-153	1.36	30	
cis-1,2-Dichloroethylene	53.57	1.0	ug/L	50.4		106	71-149	5.52	26	
2-Butanone (MEK)	104.5	10.0	ug/L	100		105	52-159	6.53	27	
Bromochloromethane	55.07	1.0	ug/L	50.4		109	69-143	2.08	23	
Chloroform	52.62	1.0	ug/L	50.1		105	69-144	6.53	23	
1,1,1-Trichloroethane	53.00	1.0	ug/L	50.1		106	62-129	6.27	24	
Carbon Tetrachloride	52.13	1.0	ug/L	50.1		104	63-141	7.07	25	
Benzene	48.15	1.0	ug/L	50.4		95.5	71-134	3.95	24	
1,2-Dichloroethane	52.28	1.0	ug/L	50.1		104	72-132	2.33	24	
Trichloroethylene	47.77	1.0	ug/L	50.1		95.4	71-135	7.71	24	
1,2-Dichloropropane	49.87	1.0	ug/L	50.1		99.6	69-136	4.22	24	
Dibromomethane	53.04	1.0	ug/L	50.4		105	73-147	2.51	25	
Bromodichloromethane	52.72	1.0	ug/L	50.1		105	68-129	2.53	22	
cis-1,3-Dichloropropene	49.96	1.0	ug/L	50.1		99.8	65-134	3.29	23	
4-Methyl-2-pentanone (MIBK)	112.4	5.0	ug/L	100		112	58-147	0.204	27	
Toluene	50.54	1.0	ug/L	50.5		100	72-133	5.37	24	
trans-1,3-Dichloropropene	48.04	1.0	ug/L	50.1		95.9	67-130	4.20	24	
1,1,2-Trichloroethane	50.12	1.0	ug/L	50.1		100	69-135	3.70	23	
Tetrachloroethylene	47.42	1.0	ug/L	50.1		94.7	69-130	4.13	25	
2-Hexanone (MBK)	115.0	5.0	ug/L	100		115	55-144	0.733	25	
Dibromochloromethane	52.89	1.0	ug/L	50.1		106	73-127	4.15	22	
1,2-Dibromoethane	53.48	1.0	ug/L	50.2		106	67-132	0.801	24	
Chlorobenzene	47.03	1.0	ug/L	50.1		93.9	72-123	4.12	23	
1,1,1,2-Tetrachloroethane	47.80	1.0	ug/L	50.3		94.9	73-127	2.23	24	
Ethylbenzene	50.17	1.0	ug/L	50.2		100	71-127	4.37	26	
Xylenes, total	151.9	2.0	ug/L	151		101	74-127	4.17	25	
Styrene	53.03	1.0	ug/L	50.4		105	66-126	3.21	23	
Bromoform	53.13	1.0	ug/L	50.1		106	68-130	6.69	23	
1,2,3-Trichloropropane	49.89	1.0	ug/L	50.3		99.1	63-136	0.580	24	
trans-1,4-Dichloro-2-butene	93.88	5.0	ug/L	100		93.9	54-134	2.64	27	
1,1,2,2-Tetrachloroethane	49.88	1.0	ug/L	50.1		99.6	61-131	1.39	29	
1,4-Dichlorobenzene	46.49	1.0	ug/L	50.1		92.7	70-129	3.15	24	
1,2-Dichlorobenzene	49.89	1.0	ug/L	50.1		99.6	69-126	2.98	26	
1,2-Dibromo-3-chloropropane	55.27	5.0	ug/L	50.1		110	50-143	2.08	30	
Surrogate: Dibromofluoromethane	54.1		ug/L	50.2		108	75-136			
Surrogate: 1,2-Dichloroethane-d4	54.7		ug/L	50.1		109	61-142			
Surrogate: Toluene-d8	49.7		ug/L	50.4		98.7	82-121			
Surrogate: 4-Bromofluorobenzene	51.8		ug/L	50.1		103	80-116			
Matrix Spike (1IC0807-MS1)	Source: 1IC0696-04 Prepared: 03/17/25 00:00 Analyzed: 03/18/25 03:49									

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CERTIFICATE OF ANALYSIS

1IC0568

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0807 - EPA 5030B - EPA 8260D										
Matrix Spike (1IC0807-MS1)	Source: 1IC0696-04			Prepared: 03/17/25 00:00 Analyzed: 03/18/25 03:49						
Chloromethane	329.9	10.0	ug/L	303	ND	109	61-152			
Vinyl Chloride	342.5	10.0	ug/L	302	ND	113	66-149			
Bromomethane	311.5	10.0	ug/L	301	ND	103	43-171			
Chloroethane	331.4	10.0	ug/L	303	ND	109	69-148			
Trichlorofluoromethane	350.6	10.0	ug/L	303	ND	116	62-163			
1,1-Dichloroethylene	583.7	10.0	ug/L	501	ND	116	70-148			
Acetone	2086	100	ug/L	1000	ND	209	45-173			M1
Methyl Iodide	1021	10.0	ug/L	1000	ND	102	62-167			
Carbon Disulfide	1071	10.0	ug/L	1000	ND	107	71-163			
Methylene Chloride	503.7	50.0	ug/L	501	ND	101	69-140			
trans-1,2-Dichloroethylene	565.4	10.0	ug/L	501	ND	113	69-144			
1,1-Dichloroethane	569.7	10.0	ug/L	501	ND	114	70-138			
Vinyl Acetate	1710	50.0	ug/L	1400	ND	122	58-142			
cis-1,2-Dichloroethylene	575.6	10.0	ug/L	504	ND	114	68-151			
2-Butanone (MEK)	1091	100	ug/L	1000	ND	109	50-160			
Bromochloromethane	575.2	10.0	ug/L	504	ND	114	65-143			
Chloroform	562.3	10.0	ug/L	501	ND	112	71-143			
1,1,1-Trichloroethane	568.3	10.0	ug/L	501	ND	113	63-133			
Carbon Tetrachloride	569.5	10.0	ug/L	501	ND	114	63-142			
Benzene	504.3	10.0	ug/L	504	ND	100	69-133			
1,2-Dichloroethane	530.4	10.0	ug/L	501	ND	106	63-138			
Trichloroethylene	517.5	10.0	ug/L	501	ND	103	71-133			
1,2-Dichloropropane	514.7	10.0	ug/L	501	ND	103	69-132			
Dibromomethane	549.4	10.0	ug/L	504	ND	109	70-147			
Bromodichloromethane	537.5	10.0	ug/L	501	ND	107	67-130			
cis-1,3-Dichloropropene	502.0	10.0	ug/L	501	ND	100	61-126			
4-Methyl-2-pentanone (MIBK)	1126	50.0	ug/L	1000	ND	113	55-147			
Toluene	542.8	10.0	ug/L	505	ND	108	71-133			
trans-1,3-Dichloropropene	477.5	10.0	ug/L	501	ND	95.4	63-124			
1,1,2-Trichloroethane	533.4	10.0	ug/L	501	ND	106	69-133			
Tetrachloroethylene	498.5	10.0	ug/L	501	ND	99.5	70-124			
2-Hexanone (MBK)	1154	50.0	ug/L	1000	ND	115	53-141			
Dibromochloromethane	543.7	10.0	ug/L	501	ND	109	74-122			
1,2-Dibromoethane	543.0	10.0	ug/L	502	ND	108	66-127			
Chlorobenzene	491.2	10.0	ug/L	501	ND	98.1	76-116			
1,1,1,2-Tetrachloroethane	503.0	10.0	ug/L	503	ND	99.9	77-121			
Ethylbenzene	530.2	10.0	ug/L	502	ND	106	73-124			
Xylenes, total	1615	20.0	ug/L	1510	ND	107	75-123			
Styrene	550.2	10.0	ug/L	504	ND	109	70-120			
Bromoform	530.5	10.0	ug/L	501	ND	106	70-124			
1,2,3-Trichloropropane	527.4	10.0	ug/L	503	ND	105	62-135			
trans-1,4-Dichloro-2-butene	1015	50.0	ug/L	1000	ND	101	50-120			
1,1,2,2-Tetrachloroethane	511.0	10.0	ug/L	501	ND	102	63-126			

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CERTIFICATE OF ANALYSIS

11C0568

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11C0807 - EPA 5030B - EPA 8260D										
Matrix Spike (11C0807-MS1)	Source: 11C0696-04			Prepared: 03/17/25 00:00 Analyzed: 03/18/25 03:49						
1,4-Dichlorobenzene	491.5	10.0	ug/L	501	ND	98.1	72-119			
1,2-Dichlorobenzene	510.9	10.0	ug/L	501	ND	102	71-117			
1,2-Dibromo-3-chloropropane	594.5	50.0	ug/L	501	ND	119	49-134			
Surrogate: Dibromofluoromethane	561		ug/L	502		112	75-136			
Surrogate: 1,2-Dichloroethane-d4	545		ug/L	501		109	61-142			
Surrogate: Toluene-d8	502		ug/L	504		99.7	82-121			
Surrogate: 4-Bromofluorobenzene	512		ug/L	501		102	80-116			
Matrix Spike (11C0807-MS2)	Source: 11C0854-15			Prepared: 03/17/25 00:00 Analyzed: 03/18/25 06:03						
Chloromethane	308.2	10.0	ug/L	303	ND	102	61-152			
Vinyl Chloride	313.4	10.0	ug/L	302	ND	104	66-149			
Bromomethane	292.8	10.0	ug/L	301	ND	97.2	43-171			
Chloroethane	304.3	10.0	ug/L	303	ND	100	69-148			
Trichlorofluoromethane	324.5	10.0	ug/L	303	ND	107	62-163			
1,1-Dichloroethylene	563.7	10.0	ug/L	501	ND	112	70-148			
Acetone	1331	100	ug/L	1000	ND	133	45-173			
Methyl Iodide	977.5	10.0	ug/L	1000	ND	97.8	62-167			
Carbon Disulfide	1019	10.0	ug/L	1000	ND	102	71-163			
Methylene Chloride	480.2	50.0	ug/L	501	ND	95.8	69-140			
trans-1,2-Dichloroethylene	560.3	10.0	ug/L	501	ND	112	69-144			
1,1-Dichloroethane	561.0	10.0	ug/L	501	ND	112	70-138			
Vinyl Acetate	1732	50.0	ug/L	1400	ND	124	58-142			
cis-1,2-Dichloroethylene	563.5	10.0	ug/L	504	ND	112	68-151			
2-Butanone (MEK)	1128	100	ug/L	1000	ND	113	50-160			
Bromochloromethane	565.7	10.0	ug/L	504	ND	112	65-143			
Chloroform	553.5	10.0	ug/L	501	ND	111	71-143			
1,1,1-Trichloroethane	560.7	10.0	ug/L	501	ND	112	63-133			
Carbon Tetrachloride	553.3	10.0	ug/L	501	ND	110	63-142			
Benzene	484.7	10.0	ug/L	504	ND	96.1	69-133			
1,2-Dichloroethane	527.5	10.0	ug/L	501	ND	105	63-138			
Trichloroethylene	505.1	10.0	ug/L	501	ND	101	71-133			
1,2-Dichloropropane	506.4	10.0	ug/L	501	ND	101	69-132			
Dibromomethane	525.4	10.0	ug/L	504	ND	104	70-147			
Bromodichloromethane	529.9	10.0	ug/L	501	ND	106	67-130			
cis-1,3-Dichloropropene	503.5	10.0	ug/L	501	ND	101	61-126			
4-Methyl-2-pentanone (MIBK)	1105	50.0	ug/L	1000	ND	111	55-147			
Toluene	513.9	10.0	ug/L	505	ND	102	71-133			
trans-1,3-Dichloropropene	479.2	10.0	ug/L	501	ND	95.7	63-124			
1,1,2-Trichloroethane	505.3	10.0	ug/L	501	ND	101	69-133			
Tetrachloroethylene	486.6	10.0	ug/L	501	ND	97.1	70-124			
2-Hexanone (MBK)	1154	50.0	ug/L	1000	ND	115	53-141			
Dibromochloromethane	544.9	10.0	ug/L	501	ND	109	74-122			
1,2-Dibromoethane	535.3	10.0	ug/L	502	ND	107	66-127			

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CERTIFICATE OF ANALYSIS

1IC0568

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0807 - EPA 5030B - EPA 8260D										
Matrix Spike (1IC0807-MS2)	Source: 1IC0854-15			Prepared: 03/17/25 00:00 Analyzed: 03/18/25 06:03						
Chlorobenzene	483.8	10.0	ug/L	501	ND	96.6	76-116			
1,1,1,2-Tetrachloroethane	493.2	10.0	ug/L	503	ND	98.0	77-121			
Ethylbenzene	516.5	10.0	ug/L	502	ND	103	73-124			
Xylenes, total	1550	20.0	ug/L	1510	ND	103	75-123			
Styrene	543.6	10.0	ug/L	504	ND	108	70-120			
Bromoform	537.0	10.0	ug/L	501	ND	107	70-124			
1,2,3-Trichloropropane	485.3	10.0	ug/L	503	ND	96.4	62-135			
trans-1,4-Dichloro-2-butene	944.2	50.0	ug/L	1000	ND	94.4	50-120			
1,1,2,2-Tetrachloroethane	486.8	10.0	ug/L	501	ND	97.2	63-126			
1,4-Dichlorobenzene	459.4	10.0	ug/L	501	ND	91.7	72-119			
1,2-Dichlorobenzene	490.7	10.0	ug/L	501	ND	98.0	71-117			
1,2-Dibromo-3-chloropropane	553.9	50.0	ug/L	501	ND	110	49-134			
Surrogate: Dibromofluoromethane	566		ug/L	502		113	75-136			
Surrogate: 1,2-Dichloroethane-d4	558		ug/L	501		111	61-142			
Surrogate: Toluene-d8	490		ug/L	504		97.3	82-121			
Surrogate: 4-Bromofluorobenzene	518		ug/L	501		103	80-116			
Matrix Spike Dup (1IC0807-MSD1)	Source: 1IC0696-04			Prepared: 03/17/25 00:00 Analyzed: 03/18/25 04:12						
Chloromethane	300.6	10.0	ug/L	303	ND	99.1	61-152	9.29	26	
Vinyl Chloride	301.0	10.0	ug/L	302	ND	99.5	66-149	12.9	23	
Bromomethane	287.6	10.0	ug/L	301	ND	95.5	43-171	7.98	29	
Chloroethane	298.5	10.0	ug/L	303	ND	98.5	69-148	10.4	25	
Trichlorofluoromethane	309.9	10.0	ug/L	303	ND	102	62-163	12.3	25	
1,1-Dichloroethylene	528.3	10.0	ug/L	501	ND	105	70-148	9.96	22	
Acetone	1332	100	ug/L	1000	ND	133	45-173	44.1	30	R1
Methyl Iodide	931.5	10.0	ug/L	1000	ND	93.2	62-167	9.19	24	
Carbon Disulfide	972.3	10.0	ug/L	1000	ND	97.2	71-163	9.65	22	
Methylene Chloride	475.7	50.0	ug/L	501	ND	94.9	69-140	5.72	19	
trans-1,2-Dichloroethylene	530.2	10.0	ug/L	501	ND	106	69-144	6.43	22	
1,1-Dichloroethane	536.5	10.0	ug/L	501	ND	107	70-138	6.00	20	
Vinyl Acetate	1680	50.0	ug/L	1400	ND	120	58-142	1.83	24	
cis-1,2-Dichloroethylene	540.0	10.0	ug/L	504	ND	107	68-151	6.38	22	
2-Butanone (MEK)	1050	100	ug/L	1000	ND	105	50-160	3.88	23	
Bromochloromethane	552.7	10.0	ug/L	504	ND	110	65-143	3.99	22	
Chloroform	527.0	10.0	ug/L	501	ND	105	71-143	6.48	21	
1,1,1-Trichloroethane	525.2	10.0	ug/L	501	ND	105	63-133	7.88	23	
Carbon Tetrachloride	520.7	10.0	ug/L	501	ND	104	63-142	8.95	22	
Benzene	471.2	10.0	ug/L	504	ND	93.4	69-133	6.79	18	
1,2-Dichloroethane	517.3	10.0	ug/L	501	ND	103	63-138	2.50	20	
Trichloroethylene	477.4	10.0	ug/L	501	ND	95.3	71-133	8.06	23	
1,2-Dichloropropane	502.4	10.0	ug/L	501	ND	100	69-132	2.42	20	
Dibromomethane	525.8	10.0	ug/L	504	ND	104	70-147	4.39	22	
Bromodichloromethane	515.4	10.0	ug/L	501	ND	103	67-130	4.20	21	

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CERTIFICATE OF ANALYSIS

11C0568

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11C0807 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (11C0807-MSD1)	Source: 11C0696-04			Prepared: 03/17/25 00:00 Analyzed: 03/18/25 04:12						
cis-1,3-Dichloropropene	492.3	10.0	ug/L	501	ND	98.3	61-126	1.95	21	
4-Methyl-2-pentanone (MIBK)	1102	50.0	ug/L	1000	ND	110	55-147	2.13	23	
Toluene	502.2	10.0	ug/L	505	ND	99.5	71-133	7.77	19	
trans-1,3-Dichloropropene	472.1	10.0	ug/L	501	ND	94.3	63-124	1.14	21	
1,1,2-Trichloroethane	500.0	10.0	ug/L	501	ND	99.8	69-133	6.46	19	
Tetrachloroethylene	454.7	10.0	ug/L	501	ND	90.8	70-124	9.19	24	
2-Hexanone (MBK)	1127	50.0	ug/L	1000	ND	113	53-141	2.33	24	
Dibromochloromethane	535.5	10.0	ug/L	501	ND	107	74-122	1.52	21	
1,2-Dibromoethane	539.7	10.0	ug/L	502	ND	107	66-127	0.610	23	
Chlorobenzene	462.4	10.0	ug/L	501	ND	92.3	76-116	6.04	21	
1,1,1,2-Tetrachloroethane	481.3	10.0	ug/L	503	ND	95.6	77-121	4.41	25	
Ethylbenzene	489.2	10.0	ug/L	502	ND	97.5	73-124	8.04	20	
Xylenes, total	1490	20.0	ug/L	1510	ND	98.6	75-123	8.06	20	
Styrene	522.0	10.0	ug/L	504	ND	104	70-120	5.26	23	
Bromoform	524.0	10.0	ug/L	501	ND	105	70-124	1.23	22	
1,2,3-Trichloropropane	466.8	10.0	ug/L	503	ND	92.7	62-135	12.2	28	
trans-1,4-Dichloro-2-butene	963.4	50.0	ug/L	1000	ND	96.3	50-120	5.18	26	
1,1,2,2-Tetrachloroethane	500.4	10.0	ug/L	501	ND	99.9	63-126	2.10	24	
1,4-Dichlorobenzene	463.7	10.0	ug/L	501	ND	92.5	72-119	5.82	24	
1,2-Dichlorobenzene	490.6	10.0	ug/L	501	ND	97.9	71-117	4.05	24	
1,2-Dibromo-3-chloropropane	600.0	50.0	ug/L	501	ND	120	49-134	0.921	28	
Surrogate: Dibromofluoromethane	545		ug/L	502		109	75-136			
Surrogate: 1,2-Dichloroethane-d4	573		ug/L	501		114	61-142			
Surrogate: Toluene-d8	496		ug/L	504		98.5	82-121			
Surrogate: 4-Bromofluorobenzene	508		ug/L	501		101	80-116			
Matrix Spike Dup (11C0807-MSD2)	Source: 11C0854-15			Prepared: 03/17/25 00:00 Analyzed: 03/18/25 06:26						
Chloromethane	289.8	10.0	ug/L	303	ND	95.6	61-152	6.15	26	
Vinyl Chloride	288.9	10.0	ug/L	302	ND	95.5	66-149	8.14	23	
Bromomethane	276.2	10.0	ug/L	301	ND	91.7	43-171	5.83	29	
Chloroethane	288.5	10.0	ug/L	303	ND	95.2	69-148	5.33	25	
Trichlorofluoromethane	286.9	10.0	ug/L	303	ND	94.7	62-163	12.3	25	
1,1-Dichloroethylene	497.8	10.0	ug/L	501	ND	99.3	70-148	12.4	22	
Acetone	1176	100	ug/L	1000	ND	118	45-173	12.3	30	
Methyl Iodide	913.8	10.0	ug/L	1000	ND	91.4	62-167	6.74	24	
Carbon Disulfide	929.9	10.0	ug/L	1000	ND	93.0	71-163	9.10	22	
Methylene Chloride	448.3	50.0	ug/L	501	ND	89.5	69-140	6.87	19	
trans-1,2-Dichloroethylene	491.6	10.0	ug/L	501	ND	98.1	69-144	13.1	22	
1,1-Dichloroethane	488.8	10.0	ug/L	501	ND	97.6	70-138	13.8	20	
Vinyl Acetate	1556	50.0	ug/L	1400	ND	111	58-142	10.7	24	
cis-1,2-Dichloroethylene	496.4	10.0	ug/L	504	ND	98.6	68-151	12.7	22	
2-Butanone (MEK)	1031	100	ug/L	1000	ND	103	50-160	8.98	23	
Bromochloromethane	506.1	10.0	ug/L	504	ND	100	65-143	11.1	22	

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CERTIFICATE OF ANALYSIS

1IC0568

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0807 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1IC0807-MSD2)	Source: 1IC0854-15			Prepared: 03/17/25 00:00 Analyzed: 03/18/25 06:26						
Chloroform	488.0	10.0	ug/L	501	ND	97.4	71-143	12.6	21	
1,1,1-Trichloroethane	501.4	10.0	ug/L	501	ND	100	63-133	11.2	23	
Carbon Tetrachloride	496.6	10.0	ug/L	501	ND	99.1	63-142	10.8	22	
Benzene	448.0	10.0	ug/L	504	ND	88.8	69-133	7.87	18	
1,2-Dichloroethane	482.7	10.0	ug/L	501	ND	96.4	63-138	8.87	20	
Trichloroethylene	463.1	10.0	ug/L	501	ND	92.4	71-133	8.68	23	
1,2-Dichloropropane	470.2	10.0	ug/L	501	ND	93.9	69-132	7.41	20	
Dibromomethane	489.1	10.0	ug/L	504	ND	97.1	70-147	7.16	22	
Bromodichloromethane	483.2	10.0	ug/L	501	ND	96.5	67-130	9.22	21	
cis-1,3-Dichloropropene	464.4	10.0	ug/L	501	ND	92.7	61-126	8.08	21	
4-Methyl-2-pentanone (MIBK)	1055	50.0	ug/L	1000	ND	106	55-147	4.63	23	
Toluene	493.3	10.0	ug/L	505	ND	97.7	71-133	4.09	19	
trans-1,3-Dichloropropene	451.6	10.0	ug/L	501	ND	90.2	63-124	5.93	21	
1,1,2-Trichloroethane	480.8	10.0	ug/L	501	ND	96.0	69-133	4.97	19	
Tetrachloroethylene	433.8	10.0	ug/L	501	ND	86.6	70-124	11.5	24	
2-Hexanone (MBK)	1090	50.0	ug/L	1000	ND	109	53-141	5.72	24	
Dibromochloromethane	503.0	10.0	ug/L	501	ND	100	74-122	8.00	21	
1,2-Dibromoethane	497.4	10.0	ug/L	502	ND	99.0	66-127	7.34	23	
Chlorobenzene	446.0	10.0	ug/L	501	ND	89.1	76-116	8.13	21	
1,1,1,2-Tetrachloroethane	447.3	10.0	ug/L	503	ND	88.8	77-121	9.76	25	
Ethylbenzene	476.4	10.0	ug/L	502	ND	95.0	73-124	8.08	20	
Xylenes, total	1451	20.0	ug/L	1510	ND	96.1	75-123	6.60	20	
Styrene	504.2	10.0	ug/L	504	ND	100	70-120	7.52	23	
Bromoform	513.9	10.0	ug/L	501	ND	103	70-124	4.40	22	
1,2,3-Trichloropropane	451.0	10.0	ug/L	503	ND	89.6	62-135	7.33	28	
trans-1,4-Dichloro-2-butene	921.8	50.0	ug/L	1000	ND	92.2	50-120	2.40	26	
1,1,2,2-Tetrachloroethane	472.3	10.0	ug/L	501	ND	94.3	63-126	3.02	24	
1,4-Dichlorobenzene	449.6	10.0	ug/L	501	ND	89.7	72-119	2.16	24	
1,2-Dichlorobenzene	483.1	10.0	ug/L	501	ND	96.4	71-117	1.56	24	
1,2-Dibromo-3-chloropropane	572.5	50.0	ug/L	501	ND	114	49-134	3.30	28	
Surrogate: Dibromofluoromethane	530		ug/L	502		106	75-136			
Surrogate: 1,2-Dichloroethane-d4	518		ug/L	501		103	61-142			
Surrogate: Toluene-d8	502		ug/L	504		99.6	82-121			
Surrogate: 4-Bromofluorobenzene	508		ug/L	501		101	80-116			

Batch 1IC0808 - EPA 5030B - EPA 8260D

Blank (1IC0808-BLK1)	Prepared: 03/17/25 00:00 Analyzed: 03/17/25 12:48									
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							

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CERTIFICATE OF ANALYSIS

1IC0568

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						
1,1-Dichloroethylene	<1.0	1.0	ug/L							
Acetone	<10.0	10.0	ug/L							
Methyl Iodide	<1.0	1.0	ug/L							
Carbon Disulfide	<1.0	1.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
Vinyl Acetate	<5.0	5.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10.0	10.0	ug/L							
Bromochloromethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Benzene	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L							
Toluene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
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	51.9		ug/L	50.2		104	75-136			

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CERTIFICATE OF ANALYSIS

1IC0568

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						
Surrogate: 1,2-Dichloroethane-d4	51.8		ug/L	50.1		103	61-142			
Surrogate: Toluene-d8	46.5		ug/L	50.4		92.3	82-121			
Surrogate: 4-Bromofluorobenzene	49.1		ug/L	50.1		98.0	80-116			
LCS (1IC0808-BS1)										
				Prepared: 03/17/25 00:00 Analyzed: 03/17/25 11:41						
Chloromethane	26.46	1.0	ug/L	30.3		87.3	63-155			
Vinyl Chloride	31.56	1.0	ug/L	30.2		104	70-154			
Bromomethane	31.87	1.0	ug/L	30.1		106	52-176			
Chloroethane	33.36	1.0	ug/L	30.3		110	72-148			
Trichlorofluoromethane	37.00	1.0	ug/L	30.3		122	70-152			
1,1-Dichloroethylene	50.99	1.0	ug/L	50.1		102	70-148			
Acetone	107.4	10.0	ug/L	100		107	43-172			
Methyl Iodide	110.1	1.0	ug/L	100		110	69-170			
Carbon Disulfide	109.0	1.0	ug/L	100		109	72-162			
Methylene Chloride	50.45	5.0	ug/L	50.1		101	68-142			
trans-1,2-Dichloroethylene	48.05	1.0	ug/L	50.1		95.9	66-148			
1,1-Dichloroethane	48.89	1.0	ug/L	50.1		97.6	66-143			
Vinyl Acetate	156.0	5.0	ug/L	140		111	43-153			
cis-1,2-Dichloroethylene	48.49	1.0	ug/L	50.4		96.3	71-149			
2-Butanone (MEK)	86.68	10.0	ug/L	100		86.7	52-159			
Bromochloromethane	48.66	1.0	ug/L	50.4		96.5	69-143			
Chloroform	48.27	1.0	ug/L	50.1		96.4	69-144			
1,1,1-Trichloroethane	47.43	1.0	ug/L	50.1		94.6	62-129			
Carbon Tetrachloride	46.59	1.0	ug/L	50.1		93.0	63-141			
Benzene	43.69	1.0	ug/L	50.4		86.6	71-134			
1,2-Dichloroethane	45.99	1.0	ug/L	50.1		91.8	72-132			
Trichloroethylene	44.74	1.0	ug/L	50.1		89.3	71-135			
1,2-Dichloropropane	44.43	1.0	ug/L	50.1		88.7	69-136			
Dibromomethane	44.33	1.0	ug/L	50.4		88.0	73-147			
Bromodichloromethane	46.77	1.0	ug/L	50.1		93.4	68-129			
cis-1,3-Dichloropropene	42.39	1.0	ug/L	50.1		84.6	65-134			
4-Methyl-2-pentanone (MIBK)	78.67	5.0	ug/L	100		78.7	58-147			
Toluene	43.35	1.0	ug/L	50.5		85.9	72-133			
trans-1,3-Dichloropropene	42.25	1.0	ug/L	50.1		84.4	67-130			
1,1,2-Trichloroethane	51.71	1.0	ug/L	50.1		103	69-135			
Tetrachloroethylene	43.43	1.0	ug/L	50.1		86.7	69-130			
2-Hexanone (MBK)	79.22	5.0	ug/L	100		79.2	55-144			
Dibromochloromethane	47.34	1.0	ug/L	50.1		94.5	73-127			
1,2-Dibromoethane	44.28	1.0	ug/L	50.2		88.2	67-132			
Chlorobenzene	42.17	1.0	ug/L	50.1		84.2	72-123			
1,1,1,2-Tetrachloroethane	44.44	1.0	ug/L	50.3		88.3	73-127			
Ethylbenzene	41.07	1.0	ug/L	50.2		81.9	71-127			
Xylenes, total	126.3	2.0	ug/L	151		83.6	74-127			

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CERTIFICATE OF ANALYSIS

1IC0568

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										
LCS (1IC0808-BS1)										
Prepared: 03/17/25 00:00 Analyzed: 03/17/25 11:41										
Styrene	44.87	1.0	ug/L	50.4		89.1	66-126			
Bromoform	44.24	1.0	ug/L	50.1		88.3	68-130			
1,2,3-Trichloropropane	41.56	1.0	ug/L	50.3		82.6	63-136			
trans-1,4-Dichloro-2-butene	74.20	5.0	ug/L	100		74.2	54-134			
1,1,2,2-Tetrachloroethane	38.42	1.0	ug/L	50.1		76.7	61-131			
1,4-Dichlorobenzene	39.37	1.0	ug/L	50.1		78.5	70-129			
1,2-Dichlorobenzene	38.40	1.0	ug/L	50.1		76.7	69-126			
1,2-Dibromo-3-chloropropane	28.55	5.0	ug/L	50.1		57.0	50-143			
Surrogate: Dibromofluoromethane	55.7		ug/L	50.2		111	75-136			
Surrogate: 1,2-Dichloroethane-d4	55.5		ug/L	50.1		111	61-142			
Surrogate: Toluene-d8	48.8		ug/L	50.4		96.8	82-121			
Surrogate: 4-Bromofluorobenzene	50.9		ug/L	50.1		102	80-116			
LCS Dup (1IC0808-BSD1)										
Prepared: 03/17/25 00:00 Analyzed: 03/17/25 12:03										
Chloromethane	24.19	1.0	ug/L	30.3		79.8	63-155	8.96	24	
Vinyl Chloride	29.02	1.0	ug/L	30.2		95.9	70-154	8.39	25	
Bromomethane	31.57	1.0	ug/L	30.1		105	52-176	0.946	27	
Chloroethane	30.90	1.0	ug/L	30.3		102	72-148	7.66	25	
Trichlorofluoromethane	33.19	1.0	ug/L	30.3		110	70-152	10.9	26	
1,1-Dichloroethylene	46.22	1.0	ug/L	50.1		92.2	70-148	9.81	24	
Acetone	121.0	10.0	ug/L	100		121	43-172	11.9	30	
Methyl Iodide	98.63	1.0	ug/L	100		98.6	69-170	11.0	30	
Carbon Disulfide	98.39	1.0	ug/L	100		98.4	72-162	10.3	24	
Methylene Chloride	50.24	5.0	ug/L	50.1		100	68-142	0.417	21	
trans-1,2-Dichloroethylene	45.31	1.0	ug/L	50.1		90.5	66-148	5.87	27	
1,1-Dichloroethane	47.68	1.0	ug/L	50.1		95.2	66-143	2.51	24	
Vinyl Acetate	182.0	5.0	ug/L	140		130	43-153	15.4	30	
cis-1,2-Dichloroethylene	46.43	1.0	ug/L	50.4		92.2	71-149	4.34	26	
2-Butanone (MEK)	105.5	10.0	ug/L	100		105	52-159	19.6	27	
Bromochloromethane	51.54	1.0	ug/L	50.4		102	69-143	5.75	23	
Chloroform	48.22	1.0	ug/L	50.1		96.3	69-144	0.104	23	
1,1,1-Trichloroethane	45.07	1.0	ug/L	50.1		89.9	62-129	5.10	24	
Carbon Tetrachloride	44.79	1.0	ug/L	50.1		89.4	63-141	3.94	25	
Benzene	43.66	1.0	ug/L	50.4		86.6	71-134	0.0687	24	
1,2-Dichloroethane	51.71	1.0	ug/L	50.1		103	72-132	11.7	24	
Trichloroethylene	44.17	1.0	ug/L	50.1		88.2	71-135	1.28	24	
1,2-Dichloropropane	45.03	1.0	ug/L	50.1		89.9	69-136	1.34	24	
Dibromomethane	51.51	1.0	ug/L	50.4		102	73-147	15.0	25	
Bromodichloromethane	49.54	1.0	ug/L	50.1		98.9	68-129	5.75	22	
cis-1,3-Dichloropropene	45.48	1.0	ug/L	50.1		90.8	65-134	7.03	23	
4-Methyl-2-pentanone (MIBK)	105.9	5.0	ug/L	100		106	58-147	29.5	27	R1
Toluene	42.39	1.0	ug/L	50.5		84.0	72-133	2.24	24	
trans-1,3-Dichloropropene	48.57	1.0	ug/L	50.1		97.0	67-130	13.9	24	

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CERTIFICATE OF ANALYSIS

1IC0568

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										
LCS Dup (1IC0808-BSD1)				Prepared: 03/17/25 00:00 Analyzed: 03/17/25 12:03						
1,1,2-Trichloroethane	56.24	1.0	ug/L	50.1		112	69-135	8.39	23	
Tetrachloroethylene	41.25	1.0	ug/L	50.1		82.3	69-130	5.15	25	
2-Hexanone (MBK)	89.49	5.0	ug/L	100		89.5	55-144	12.2	25	
Dibromochloromethane	49.46	1.0	ug/L	50.1		98.8	73-127	4.38	22	
1,2-Dibromoethane	51.31	1.0	ug/L	50.2		102	67-132	14.7	24	
Chlorobenzene	40.42	1.0	ug/L	50.1		80.7	72-123	4.24	23	
1,1,1,2-Tetrachloroethane	44.56	1.0	ug/L	50.3		88.5	73-127	0.270	24	
Ethylbenzene	39.05	1.0	ug/L	50.2		77.8	71-127	5.04	26	
Xylenes, total	121.1	2.0	ug/L	151		80.1	74-127	4.22	25	
Styrene	44.71	1.0	ug/L	50.4		88.8	66-126	0.357	23	
Bromoform	51.49	1.0	ug/L	50.1		103	68-130	15.1	23	
1,2,3-Trichloropropane	51.65	1.0	ug/L	50.3		103	63-136	21.7	24	
trans-1,4-Dichloro-2-butene	92.98	5.0	ug/L	100		93.0	54-134	22.5	27	
1,1,2,2-Tetrachloroethane	43.19	1.0	ug/L	50.1		86.2	61-131	11.7	29	
1,4-Dichlorobenzene	37.58	1.0	ug/L	50.1		75.0	70-129	4.65	24	
1,2-Dichlorobenzene	40.13	1.0	ug/L	50.1		80.1	69-126	4.41	26	
1,2-Dibromo-3-chloropropane	39.77	5.0	ug/L	50.1		79.3	50-143	32.8	30	R1
Surrogate: Dibromofluoromethane	58.5		ug/L	50.2		117	75-136			
Surrogate: 1,2-Dichloroethane-d4	62.6		ug/L	50.1		125	61-142			
Surrogate: Toluene-d8	50.5		ug/L	50.4		100	82-121			
Surrogate: 4-Bromofluorobenzene	51.6		ug/L	50.1		103	80-116			
Matrix Spike (1IC0808-MS1)				Source: 1IC0568-01RE1 Prepared: 03/17/25 00:00 Analyzed: 03/17/25 23:32						
Chloromethane	262.9	10.0	ug/L	303	ND	86.7	61-152			
Vinyl Chloride	299.9	10.0	ug/L	302	ND	99.1	66-149			
Bromomethane	320.5	10.0	ug/L	301	ND	106	43-171			
Chloroethane	327.9	10.0	ug/L	303	ND	108	69-148			
Trichlorofluoromethane	372.6	10.0	ug/L	303	ND	123	62-163			
1,1-Dichloroethylene	517.2	10.0	ug/L	501	ND	103	70-148			
Acetone	1379	100	ug/L	1000	ND	138	45-173			
Methyl Iodide	1063	10.0	ug/L	1000	ND	106	62-167			
Carbon Disulfide	1067	10.0	ug/L	1000	ND	107	71-163			
Methylene Chloride	536.4	50.0	ug/L	501	ND	107	69-140			
trans-1,2-Dichloroethylene	505.6	10.0	ug/L	501	ND	101	69-144			
1,1-Dichloroethane	535.7	10.0	ug/L	501	ND	107	70-138			
Vinyl Acetate	1894	50.0	ug/L	1400	ND	135	58-142			
cis-1,2-Dichloroethylene	523.6	10.0	ug/L	504	ND	104	68-151			
2-Butanone (MEK)	1122	100	ug/L	1000	ND	112	50-160			
Bromochloromethane	547.2	10.0	ug/L	504	ND	109	65-143			
Chloroform	535.2	10.0	ug/L	501	ND	107	71-143			
1,1,1-Trichloroethane	513.3	10.0	ug/L	501	ND	102	63-133			
Carbon Tetrachloride	521.1	10.0	ug/L	501	ND	104	63-142			
Benzene	488.9	10.0	ug/L	504	ND	96.9	69-133			

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CERTIFICATE OF ANALYSIS

1IC0568

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										
Matrix Spike (1IC0808-MS1) Source: 1IC0568-01RE1 Prepared: 03/17/25 00:00 Analyzed: 03/17/25 23:32										
1,2-Dichloroethane	573.0	10.0	ug/L	501	ND	114	63-138			
Trichloroethylene	488.8	10.0	ug/L	501	ND	97.6	71-133			
1,2-Dichloropropane	503.0	10.0	ug/L	501	ND	100	69-132			
Dibromomethane	550.8	10.0	ug/L	504	ND	109	70-147			
Bromodichloromethane	557.2	10.0	ug/L	501	ND	111	67-130			
cis-1,3-Dichloropropene	444.6	10.0	ug/L	501	ND	88.8	61-126			
4-Methyl-2-pentanone (MIBK)	990.7	50.0	ug/L	1000	ND	99.1	55-147			
Toluene	485.4	10.0	ug/L	505	ND	96.2	71-133			
trans-1,3-Dichloropropene	493.8	10.0	ug/L	501	ND	98.6	63-124			
1,1,2-Trichloroethane	599.1	10.0	ug/L	501	ND	120	69-133			
Tetrachloroethylene	478.3	10.0	ug/L	501	ND	95.5	70-124			
2-Hexanone (MBK)	839.7	50.0	ug/L	1000	ND	84.0	53-141			
Dibromochloromethane	526.5	10.0	ug/L	501	ND	105	74-122			
1,2-Dibromoethane	524.9	10.0	ug/L	502	ND	105	66-127			
Chlorobenzene	456.8	10.0	ug/L	501	ND	91.2	76-116			
1,1,1,2-Tetrachloroethane	490.8	10.0	ug/L	503	ND	97.5	77-121			
Ethylbenzene	442.1	10.0	ug/L	502	ND	88.1	73-124			
Xylenes, total	1366	20.0	ug/L	1510	ND	90.4	75-123			
Styrene	491.2	10.0	ug/L	504	ND	97.5	70-120			
Bromoform	535.4	10.0	ug/L	501	ND	107	70-124			
1,2,3-Trichloropropane	549.7	10.0	ug/L	503	ND	109	62-135			
trans-1,4-Dichloro-2-butene	922.7	50.0	ug/L	1000	ND	92.3	50-120			
1,1,2,2-Tetrachloroethane	455.1	10.0	ug/L	501	ND	90.8	63-126			
1,4-Dichlorobenzene	405.7	10.0	ug/L	501	ND	80.9	72-119			
1,2-Dichlorobenzene	428.0	10.0	ug/L	501	ND	85.4	71-117			
1,2-Dibromo-3-chloropropane	399.4	50.0	ug/L	501	ND	79.7	49-134			
Surrogate: Dibromofluoromethane	606		ug/L	502		121	75-136			
Surrogate: 1,2-Dichloroethane-d4	648		ug/L	501		129	61-142			
Surrogate: Toluene-d8	505		ug/L	504		100	82-121			
Surrogate: 4-Bromofluorobenzene	537		ug/L	501		107	80-116			
Matrix Spike Dup (1IC0808-MSD1) Source: 1IC0568-01RE1 Prepared: 03/17/25 00:00 Analyzed: 03/17/25 23:55										
Chloromethane	247.0	10.0	ug/L	303	ND	81.5	61-152	6.24	26	
Vinyl Chloride	297.2	10.0	ug/L	302	ND	98.3	66-149	0.904	23	
Bromomethane	316.9	10.0	ug/L	301	ND	105	43-171	1.13	29	
Chloroethane	312.0	10.0	ug/L	303	ND	103	69-148	4.97	25	
Trichlorofluoromethane	350.4	10.0	ug/L	303	ND	116	62-163	6.14	25	
1,1-Dichloroethylene	483.5	10.0	ug/L	501	ND	96.5	70-148	6.74	22	
Acetone	1418	100	ug/L	1000	ND	142	45-173	2.76	30	
Methyl Iodide	1050	10.0	ug/L	1000	ND	105	62-167	1.22	24	
Carbon Disulfide	1040	10.0	ug/L	1000	ND	104	71-163	2.55	22	
Methylene Chloride	530.3	50.0	ug/L	501	ND	106	69-140	1.14	19	
trans-1,2-Dichloroethylene	492.0	10.0	ug/L	501	ND	98.2	69-144	2.73	22	

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CERTIFICATE OF ANALYSIS

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0808 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1IC0808-MSD1) Source: 1IC0568-01RE1 Prepared: 03/17/25 00:00 Analyzed: 03/17/25 23:55										
1,1-Dichloroethane	511.7	10.0	ug/L	501	ND	102	70-138	4.58	20	
Vinyl Acetate	1924	50.0	ug/L	1400	ND	137	58-142	1.61	24	
cis-1,2-Dichloroethylene	502.1	10.0	ug/L	504	ND	99.7	68-151	4.19	22	
2-Butanone (MEK)	1093	100	ug/L	1000	ND	109	50-160	2.65	23	
Bromochloromethane	551.4	10.0	ug/L	504	ND	109	65-143	0.765	22	
Chloroform	527.2	10.0	ug/L	501	ND	105	71-143	1.51	21	
1,1,1-Trichloroethane	492.6	10.0	ug/L	501	ND	98.3	63-133	4.12	23	
Carbon Tetrachloride	494.4	10.0	ug/L	501	ND	98.7	63-142	5.26	22	
Benzene	474.5	10.0	ug/L	504	ND	94.1	69-133	2.99	18	
1,2-Dichloroethane	567.5	10.0	ug/L	501	ND	113	63-138	0.964	20	
Trichloroethylene	469.6	10.0	ug/L	501	ND	93.7	71-133	4.01	23	
1,2-Dichloropropane	483.9	10.0	ug/L	501	ND	96.6	69-132	3.87	20	
Dibromomethane	560.6	10.0	ug/L	504	ND	111	70-147	1.76	22	
Bromodichloromethane	543.6	10.0	ug/L	501	ND	109	67-130	2.47	21	
cis-1,3-Dichloropropene	444.1	10.0	ug/L	501	ND	88.7	61-126	0.113	21	
4-Methyl-2-pentanone (MIBK)	1073	50.0	ug/L	1000	ND	107	55-147	7.98	23	
Toluene	457.5	10.0	ug/L	505	ND	90.6	71-133	5.92	19	
trans-1,3-Dichloropropene	499.2	10.0	ug/L	501	ND	99.7	63-124	1.09	21	
1,1,2-Trichloroethane	605.5	10.0	ug/L	501	ND	121	69-133	1.06	19	
Tetrachloroethylene	456.8	10.0	ug/L	501	ND	91.2	70-124	4.60	24	
2-Hexanone (MBK)	905.0	50.0	ug/L	1000	ND	90.5	53-141	7.49	24	
Dibromochloromethane	539.2	10.0	ug/L	501	ND	108	74-122	2.38	21	
1,2-Dibromoethane	534.8	10.0	ug/L	502	ND	106	66-127	1.87	23	
Chlorobenzene	440.0	10.0	ug/L	501	ND	87.9	76-116	3.75	21	
1,1,1,2-Tetrachloroethane	480.8	10.0	ug/L	503	ND	95.5	77-121	2.06	25	
Ethylbenzene	419.3	10.0	ug/L	502	ND	83.6	73-124	5.29	20	
Xylenes, total	1317	20.0	ug/L	1510	ND	87.2	75-123	3.61	20	
Styrene	483.2	10.0	ug/L	504	ND	95.9	70-120	1.64	23	
Bromoform	550.4	10.0	ug/L	501	ND	110	70-124	2.76	22	
1,2,3-Trichloropropane	558.1	10.0	ug/L	503	ND	111	62-135	1.52	28	
trans-1,4-Dichloro-2-butene	956.0	50.0	ug/L	1000	ND	95.6	50-120	3.55	26	
1,1,2,2-Tetrachloroethane	465.6	10.0	ug/L	501	ND	92.9	63-126	2.28	24	
1,4-Dichlorobenzene	400.5	10.0	ug/L	501	ND	79.9	72-119	1.29	24	
1,2-Dichlorobenzene	423.9	10.0	ug/L	501	ND	84.6	71-117	0.963	24	
1,2-Dibromo-3-chloropropane	424.2	50.0	ug/L	501	ND	84.6	49-134	6.02	28	
Surrogate: Dibromofluoromethane	604		ug/L	502		120	75-136			
Surrogate: 1,2-Dichloroethane-d4	661		ug/L	501		132	61-142			
Surrogate: Toluene-d8	500		ug/L	504		99.3	82-121			
Surrogate: 4-Bromofluorobenzene	531		ug/L	501		106	80-116			

Batch 1IC1002 - EPA 5030B - EPA 8260D

Blank (1IC1002-BLK1)

Prepared: 03/19/25 00:00 Analyzed: 03/19/25 15:56



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CERTIFICATE OF ANALYSIS

1IC0568

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1002 - EPA 5030B - EPA 8260D										
Blank (1IC1002-BLK1)				Prepared: 03/19/25 00:00 Analyzed: 03/19/25 15:56						
Chloromethane	<1.0	1.0	ug/L							
Vinyl Chloride	<1.0	1.0	ug/L							
Bromomethane	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Trichlorofluoromethane	<1.0	1.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
Acetone	<10.0	10.0	ug/L							
Methyl Iodide	<1.0	1.0	ug/L							
Carbon Disulfide	<1.0	1.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
Vinyl Acetate	<5.0	5.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10.0	10.0	ug/L							
Bromochloromethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Benzene	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L							
Toluene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
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							

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CERTIFICATE OF ANALYSIS

1IC0568

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1002 - EPA 5030B - EPA 8260D										
Blank (1IC1002-BLK1)										
Prepared: 03/19/25 00:00 Analyzed: 03/19/25 15:56										
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	34.7		ug/L	50.2		69.1	75-136			S2
Surrogate: 1,2-Dichloroethane-d4	33.2		ug/L	50.1		66.4	61-142			
Surrogate: Toluene-d8	51.4		ug/L	50.4		102	82-121			
Surrogate: 4-Bromofluorobenzene	46.6		ug/L	50.1		92.9	80-116			
Blank (1IC1002-BLK2)										
Prepared: 03/19/25 00:00 Analyzed: 03/20/25 03:06										
Chloromethane	<1.0	1.0	ug/L							
Vinyl Chloride	<1.0	1.0	ug/L							
Bromomethane	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Trichlorofluoromethane	<1.0	1.0	ug/L							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
Acetone	<10.0	10.0	ug/L							
Methyl Iodide	<1.0	1.0	ug/L							
Carbon Disulfide	<1.0	1.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
Vinyl Acetate	<5.0	5.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10.0	10.0	ug/L							
Bromochloromethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Benzene	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L							
Toluene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
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							

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CERTIFICATE OF ANALYSIS

11C0568

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11C1002 - EPA 5030B - EPA 8260D										
Blank (11C1002-BLK2)										
Prepared: 03/19/25 00:00 Analyzed: 03/20/25 03:06										
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	37.6		ug/L	50.2		74.9	75-136			S2
Surrogate: 1,2-Dichloroethane-d4	36.0		ug/L	50.1		71.9	61-142			
Surrogate: Toluene-d8	49.9		ug/L	50.4		99.0	82-121			
Surrogate: 4-Bromofluorobenzene	46.3		ug/L	50.1		92.3	80-116			
LCS (11C1002-BS1)										
Prepared: 03/19/25 00:00 Analyzed: 03/19/25 14:49										
Chloromethane	29.32	1.0	ug/L	30.3		96.7	63-155			
Vinyl Chloride	30.18	1.0	ug/L	30.2		99.8	70-154			
Bromomethane	28.27	1.0	ug/L	30.1		93.9	52-176			
Chloroethane	29.18	1.0	ug/L	30.3		96.2	72-148			
Trichlorofluoromethane	30.09	1.0	ug/L	30.3		99.3	70-152			
1,1-Dichloroethylene	50.76	1.0	ug/L	50.1		101	70-148			
Acetone	95.57	10.0	ug/L	100		95.6	43-172			
Methyl Iodide	90.68	1.0	ug/L	100		90.7	69-170			
Carbon Disulfide	97.18	1.0	ug/L	100		97.2	72-162			
Methylene Chloride	41.47	5.0	ug/L	50.1		82.8	68-142			
trans-1,2-Dichloroethylene	50.11	1.0	ug/L	50.1		100	66-148			
1,1-Dichloroethane	48.24	1.0	ug/L	50.1		96.3	66-143			
Vinyl Acetate	130.9	5.0	ug/L	140		93.5	43-153			
cis-1,2-Dichloroethylene	48.22	1.0	ug/L	50.4		95.8	71-149			
2-Butanone (MEK)	84.72	10.0	ug/L	100		84.7	52-159			
Bromochloromethane	46.79	1.0	ug/L	50.4		92.8	69-143			
Chloroform	47.58	1.0	ug/L	50.1		95.0	69-144			
1,1,1-Trichloroethane	50.50	1.0	ug/L	50.1		101	62-129			
Carbon Tetrachloride	50.36	1.0	ug/L	50.1		101	63-141			
Benzene	48.59	1.0	ug/L	50.4		96.3	71-134			
1,2-Dichloroethane	47.03	1.0	ug/L	50.1		93.9	72-132			
Trichloroethylene	49.66	1.0	ug/L	50.1		99.1	71-135			
1,2-Dichloropropane	46.84	1.0	ug/L	50.1		93.5	69-136			
Dibromomethane	46.94	1.0	ug/L	50.4		93.2	73-147			
Bromodichloromethane	49.16	1.0	ug/L	50.1		98.1	68-129			

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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 1IC1002 - EPA 5030B - EPA 8260D										
LCS (1IC1002-BS1)										
Prepared: 03/19/25 00:00 Analyzed: 03/19/25 14:49										
cis-1,3-Dichloropropene	46.79	1.0	ug/L	50.1		93.4	65-134			
4-Methyl-2-pentanone (MIBK)	88.76	5.0	ug/L	100		88.8	58-147			
Toluene	52.59	1.0	ug/L	50.5		104	72-133			
trans-1,3-Dichloropropene	44.24	1.0	ug/L	50.1		88.3	67-130			
1,1,2-Trichloroethane	44.40	1.0	ug/L	50.1		88.6	69-135			
Tetrachloroethylene	51.82	1.0	ug/L	50.1		103	69-130			
2-Hexanone (MBK)	94.45	5.0	ug/L	100		94.4	55-144			
Dibromochloromethane	48.23	1.0	ug/L	50.1		96.3	73-127			
1,2-Dibromoethane	48.43	1.0	ug/L	50.2		96.4	67-132			
Chlorobenzene	47.63	1.0	ug/L	50.1		95.1	72-123			
1,1,1,2-Tetrachloroethane	46.05	1.0	ug/L	50.3		91.5	73-127			
Ethylbenzene	53.64	1.0	ug/L	50.2		107	71-127			
Xylenes, total	160.1	2.0	ug/L	151		106	74-127			
Styrene	51.54	1.0	ug/L	50.4		102	66-126			
Bromoform	46.55	1.0	ug/L	50.1		92.9	68-130			
1,2,3-Trichloropropane	44.35	1.0	ug/L	50.3		88.1	63-136			
trans-1,4-Dichloro-2-butene	91.81	5.0	ug/L	100		91.8	54-134			
1,1,2,2-Tetrachloroethane	46.23	1.0	ug/L	50.1		92.3	61-131			
1,4-Dichlorobenzene	47.87	1.0	ug/L	50.1		95.5	70-129			
1,2-Dichlorobenzene	48.28	1.0	ug/L	50.1		96.4	69-126			
1,2-Dibromo-3-chloropropane	42.58	5.0	ug/L	50.1		84.9	50-143			
Surrogate: Dibromofluoromethane	45.1		ug/L	50.2		89.9	75-136			
Surrogate: 1,2-Dichloroethane-d4	44.7		ug/L	50.1		89.2	61-142			
Surrogate: Toluene-d8	49.7		ug/L	50.4		98.6	82-121			
Surrogate: 4-Bromofluorobenzene	48.5		ug/L	50.1		96.7	80-116			
LCS (1IC1002-BS2)										
Prepared: 03/19/25 00:00 Analyzed: 03/20/25 01:59										
Chloromethane	28.24	1.0	ug/L	30.3		93.1	63-155			
Vinyl Chloride	28.58	1.0	ug/L	30.2		94.5	70-154			
Bromomethane	27.14	1.0	ug/L	30.1		90.1	52-176			
Chloroethane	28.14	1.0	ug/L	30.3		92.8	72-148			
Trichlorofluoromethane	28.62	1.0	ug/L	30.3		94.4	70-152			
1,1-Dichloroethylene	48.78	1.0	ug/L	50.1		97.3	70-148			
Acetone	104.2	10.0	ug/L	100		104	43-172			
Methyl Iodide	86.84	1.0	ug/L	100		86.8	69-170			
Carbon Disulfide	91.23	1.0	ug/L	100		91.2	72-162			
Methylene Chloride	40.60	5.0	ug/L	50.1		81.0	68-142			
trans-1,2-Dichloroethylene	48.28	1.0	ug/L	50.1		96.4	66-148			
1,1-Dichloroethane	48.03	1.0	ug/L	50.1		95.9	66-143			
Vinyl Acetate	133.3	5.0	ug/L	140		95.2	43-153			
cis-1,2-Dichloroethylene	47.05	1.0	ug/L	50.4		93.4	71-149			
2-Butanone (MEK)	87.95	10.0	ug/L	100		88.0	52-159			
Bromochloromethane	46.80	1.0	ug/L	50.4		92.9	69-143			

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CERTIFICATE OF ANALYSIS

1IC0568

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1002 - EPA 5030B - EPA 8260D										
LCS (1IC1002-BS2)										
Prepared: 03/19/25 00:00 Analyzed: 03/20/25 01:59										
Chloroform	46.84	1.0	ug/L	50.1		93.5	69-144			
1,1,1-Trichloroethane	50.20	1.0	ug/L	50.1		100	62-129			
Carbon Tetrachloride	49.66	1.0	ug/L	50.1		99.1	63-141			
Benzene	48.23	1.0	ug/L	50.4		95.6	71-134			
1,2-Dichloroethane	47.77	1.0	ug/L	50.1		95.4	72-132			
Trichloroethylene	49.90	1.0	ug/L	50.1		99.6	71-135			
1,2-Dichloropropane	48.26	1.0	ug/L	50.1		96.3	69-136			
Dibromomethane	47.38	1.0	ug/L	50.4		94.1	73-147			
Bromodichloromethane	49.44	1.0	ug/L	50.1		98.7	68-129			
cis-1,3-Dichloropropene	46.74	1.0	ug/L	50.1		93.3	65-134			
4-Methyl-2-pentanone (MIBK)	101.3	5.0	ug/L	100		101	58-147			
Toluene	52.14	1.0	ug/L	50.5		103	72-133			
trans-1,3-Dichloropropene	44.32	1.0	ug/L	50.1		88.5	67-130			
1,1,2-Trichloroethane	45.95	1.0	ug/L	50.1		91.7	69-135			
Tetrachloroethylene	50.82	1.0	ug/L	50.1		101	69-130			
2-Hexanone (MBK)	108.6	5.0	ug/L	100		109	55-144			
Dibromochloromethane	49.68	1.0	ug/L	50.1		99.2	73-127			
1,2-Dibromoethane	51.09	1.0	ug/L	50.2		102	67-132			
Chlorobenzene	48.27	1.0	ug/L	50.1		96.4	72-123			
1,1,1,2-Tetrachloroethane	46.96	1.0	ug/L	50.3		93.3	73-127			
Ethylbenzene	53.27	1.0	ug/L	50.2		106	71-127			
Xylenes, total	159.0	2.0	ug/L	151		105	74-127			
Styrene	53.05	1.0	ug/L	50.4		105	66-126			
Bromoform	50.34	1.0	ug/L	50.1		100	68-130			
1,2,3-Trichloropropane	46.56	1.0	ug/L	50.3		92.5	63-136			
trans-1,4-Dichloro-2-butene	92.50	5.0	ug/L	100		92.5	54-134			
1,1,2,2-Tetrachloroethane	47.65	1.0	ug/L	50.1		95.1	61-131			
1,4-Dichlorobenzene	48.57	1.0	ug/L	50.1		96.9	70-129			
1,2-Dichlorobenzene	51.09	1.0	ug/L	50.1		102	69-126			
1,2-Dibromo-3-chloropropane	50.11	5.0	ug/L	50.1		100	50-143			
Surrogate: Dibromofluoromethane	46.0		ug/L	50.2		91.7	75-136			
Surrogate: 1,2-Dichloroethane-d4	45.5		ug/L	50.1		90.9	61-142			
Surrogate: Toluene-d8	49.6		ug/L	50.4		98.5	82-121			
Surrogate: 4-Bromofluorobenzene	49.3		ug/L	50.1		98.4	80-116			
LCS Dup (1IC1002-BS2)										
Prepared: 03/19/25 00:00 Analyzed: 03/20/25 02:21										
Chloromethane	25.03	1.0	ug/L	30.3		82.6	63-155	12.1	24	
Vinyl Chloride	25.13	1.0	ug/L	30.2		83.1	70-154	12.8	25	
Bromomethane	23.79	1.0	ug/L	30.1		79.0	52-176	13.2	27	
Chloroethane	25.02	1.0	ug/L	30.3		82.5	72-148	11.7	25	
Trichlorofluoromethane	26.28	1.0	ug/L	30.3		86.7	70-152	8.52	26	
1,1-Dichloroethylene	45.37	1.0	ug/L	50.1		90.5	70-148	7.24	24	
Acetone	100.7	10.0	ug/L	100		101	43-172	3.47	30	

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CERTIFICATE OF ANALYSIS

1IC0568

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1002 - EPA 5030B - EPA 8260D										
LCS Dup (1IC1002-BSD2)										
Prepared: 03/19/25 00:00 Analyzed: 03/20/25 02:21										
Methyl Iodide	79.76	1.0	ug/L	100		79.8	69-170	8.50	30	
Carbon Disulfide	82.86	1.0	ug/L	100		82.9	72-162	9.62	24	
Methylene Chloride	37.41	5.0	ug/L	50.1		74.7	68-142	8.18	21	
trans-1,2-Dichloroethylene	46.21	1.0	ug/L	50.1		92.3	66-148	4.38	27	
1,1-Dichloroethane	45.27	1.0	ug/L	50.1		90.4	66-143	5.92	24	
Vinyl Acetate	133.7	5.0	ug/L	140		95.5	43-153	0.330	30	
cis-1,2-Dichloroethylene	45.39	1.0	ug/L	50.4		90.1	71-149	3.59	26	
2-Butanone (MEK)	98.30	10.0	ug/L	100		98.3	52-159	11.1	27	
Bromochloromethane	44.88	1.0	ug/L	50.4		89.0	69-143	4.19	23	
Chloroform	44.97	1.0	ug/L	50.1		89.8	69-144	4.07	23	
1,1,1-Trichloroethane	46.93	1.0	ug/L	50.1		93.6	62-129	6.73	24	
Carbon Tetrachloride	46.61	1.0	ug/L	50.1		93.1	63-141	6.34	25	
Benzene	44.27	1.0	ug/L	50.4		87.8	71-134	8.56	24	
1,2-Dichloroethane	46.46	1.0	ug/L	50.1		92.8	72-132	2.78	24	
Trichloroethylene	46.81	1.0	ug/L	50.1		93.4	71-135	6.39	24	
1,2-Dichloropropane	45.98	1.0	ug/L	50.1		91.8	69-136	4.84	24	
Dibromomethane	47.67	1.0	ug/L	50.4		94.6	73-147	0.610	25	
Bromodichloromethane	47.46	1.0	ug/L	50.1		94.8	68-129	4.09	22	
cis-1,3-Dichloropropene	45.52	1.0	ug/L	50.1		90.9	65-134	2.64	23	
4-Methyl-2-pentanone (MIBK)	98.96	5.0	ug/L	100		99.0	58-147	2.38	27	
Toluene	48.04	1.0	ug/L	50.5		95.2	72-133	8.19	24	
trans-1,3-Dichloropropene	43.12	1.0	ug/L	50.1		86.1	67-130	2.74	24	
1,1,2-Trichloroethane	43.58	1.0	ug/L	50.1		87.0	69-135	5.29	23	
Tetrachloroethylene	49.29	1.0	ug/L	50.1		98.4	69-130	3.06	25	
2-Hexanone (MBK)	109.8	5.0	ug/L	100		110	55-144	1.11	25	
Dibromochloromethane	50.60	1.0	ug/L	50.1		101	73-127	1.83	22	
1,2-Dibromoethane	49.99	1.0	ug/L	50.2		99.5	67-132	2.18	24	
Chlorobenzene	46.48	1.0	ug/L	50.1		92.8	72-123	3.78	23	
1,1,1,2-Tetrachloroethane	47.54	1.0	ug/L	50.3		94.4	73-127	1.23	24	
Ethylbenzene	50.79	1.0	ug/L	50.2		101	71-127	4.77	26	
Xylenes, total	151.3	2.0	ug/L	151		100	74-127	4.92	25	
Styrene	50.35	1.0	ug/L	50.4		100	66-126	5.22	23	
Bromoform	49.74	1.0	ug/L	50.1		99.3	68-130	1.20	23	
1,2,3-Trichloropropane	43.54	1.0	ug/L	50.3		86.5	63-136	6.70	24	
trans-1,4-Dichloro-2-butene	91.99	5.0	ug/L	100		92.0	54-134	0.553	27	
1,1,2,2-Tetrachloroethane	50.29	1.0	ug/L	50.1		100	61-131	5.39	29	
1,4-Dichlorobenzene	50.44	1.0	ug/L	50.1		101	70-129	3.78	24	
1,2-Dichlorobenzene	52.65	1.0	ug/L	50.1		105	69-126	3.01	26	
1,2-Dibromo-3-chloropropane	54.86	5.0	ug/L	50.1		109	50-143	9.05	30	
Surrogate: Dibromofluoromethane	45.7		ug/L	50.2		91.1	75-136			
Surrogate: 1,2-Dichloroethane-d4	47.1		ug/L	50.1		94.1	61-142			
Surrogate: Toluene-d8	48.9		ug/L	50.4		97.0	82-121			
Surrogate: 4-Bromofluorobenzene	47.9		ug/L	50.1		95.5	80-116			

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CERTIFICATE OF ANALYSIS

11C0568

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11C1002 - EPA 5030B - EPA 8260D										
Matrix Spike (11C1002-MS1)	Source: 11C0851-01			Prepared: 03/19/25 00:00 Analyzed: 03/20/25 00:30						
Chloromethane	275.6	10.0	ug/L	303	ND	90.9	61-152			
Vinyl Chloride	278.2	10.0	ug/L	302	ND	92.0	66-149			
Bromomethane	272.5	10.0	ug/L	301	ND	90.5	43-171			
Chloroethane	271.4	10.0	ug/L	303	ND	89.5	69-148			
Trichlorofluoromethane	282.9	10.0	ug/L	303	ND	93.3	62-163			
1,1-Dichloroethylene	469.4	10.0	ug/L	501	ND	93.6	70-148			
Acetone	1004	100	ug/L	1000	ND	100	45-173			
Methyl Iodide	838.5	10.0	ug/L	1000	ND	83.8	62-167			
Carbon Disulfide	882.1	10.0	ug/L	1000	ND	88.2	71-163			
Methylene Chloride	402.5	50.0	ug/L	501	ND	80.3	69-140			
trans-1,2-Dichloroethylene	468.3	10.0	ug/L	501	ND	93.5	69-144			
1,1-Dichloroethane	461.2	10.0	ug/L	501	ND	92.1	70-138			
Vinyl Acetate	1380	50.0	ug/L	1400	ND	98.6	58-142			
cis-1,2-Dichloroethylene	452.3	10.0	ug/L	504	ND	89.8	68-151			
2-Butanone (MEK)	822.8	100	ug/L	1000	ND	82.3	50-160			
Bromochloromethane	447.0	10.0	ug/L	504	ND	88.7	65-143			
Chloroform	462.4	10.0	ug/L	501	ND	92.3	71-143			
1,1,1-Trichloroethane	478.8	10.0	ug/L	501	ND	95.5	63-133			
Carbon Tetrachloride	481.2	10.0	ug/L	501	ND	96.1	63-142			
Benzene	472.1	10.0	ug/L	504	ND	93.6	69-133			
1,2-Dichloroethane	470.5	10.0	ug/L	501	ND	93.9	63-138			
Trichloroethylene	477.0	10.0	ug/L	501	ND	95.2	71-133			
1,2-Dichloropropane	467.5	10.0	ug/L	501	ND	93.3	69-132			
Dibromomethane	479.5	10.0	ug/L	504	ND	95.2	70-147			
Bromodichloromethane	489.8	10.0	ug/L	501	ND	97.8	67-130			
cis-1,3-Dichloropropene	459.5	10.0	ug/L	501	ND	91.7	61-126			
4-Methyl-2-pentanone (MIBK)	924.8	50.0	ug/L	1000	ND	92.5	55-147			
Toluene	512.3	10.0	ug/L	505	ND	101	71-133			
trans-1,3-Dichloropropene	431.4	10.0	ug/L	501	ND	86.2	63-124			
1,1,2-Trichloroethane	447.9	10.0	ug/L	501	ND	89.4	69-133			
Tetrachloroethylene	501.7	10.0	ug/L	501	ND	100	70-124			
2-Hexanone (MBK)	988.2	50.0	ug/L	1000	ND	98.8	53-141			
Dibromochloromethane	498.3	10.0	ug/L	501	ND	99.5	74-122			
1,2-Dibromoethane	496.1	10.0	ug/L	502	ND	98.8	66-127			
Chlorobenzene	480.9	10.0	ug/L	501	ND	96.0	76-116			
1,1,1,2-Tetrachloroethane	475.1	10.0	ug/L	503	ND	94.4	77-121			
Ethylbenzene	523.3	10.0	ug/L	502	ND	104	73-124			
Xylenes, total	1581	20.0	ug/L	1510	ND	105	75-123			
Styrene	529.4	10.0	ug/L	504	ND	105	70-120			
Bromoform	489.5	10.0	ug/L	501	ND	97.7	70-124			
1,2,3-Trichloropropane	458.4	10.0	ug/L	503	ND	91.1	62-135			
trans-1,4-Dichloro-2-butene	915.4	50.0	ug/L	1000	ND	91.5	50-120			
1,1,2,2-Tetrachloroethane	451.2	10.0	ug/L	501	ND	90.1	63-126			

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CERTIFICATE OF ANALYSIS

11C0568

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11C1002 - EPA 5030B - EPA 8260D										
Matrix Spike (11C1002-MS1)	Source: 11C0851-01			Prepared: 03/19/25 00:00 Analyzed: 03/20/25 00:30						
1,4-Dichlorobenzene	457.7	10.0	ug/L	501	ND	91.3	72-119			
1,2-Dichlorobenzene	470.0	10.0	ug/L	501	ND	93.8	71-117			
1,2-Dibromo-3-chloropropane	437.7	50.0	ug/L	501	ND	87.3	49-134			
Surrogate: Dibromofluoromethane	446		ug/L	502		88.9	75-136			
Surrogate: 1,2-Dichloroethane-d4	448		ug/L	501		89.4	61-142			
Surrogate: Toluene-d8	498		ug/L	504		98.9	82-121			
Surrogate: 4-Bromofluorobenzene	500		ug/L	501		99.6	80-116			
Matrix Spike (11C1002-MS2)	Source: 11C0851-21			Prepared: 03/19/25 00:00 Analyzed: 03/20/25 10:10						
Chloromethane	283.7	10.0	ug/L	303	ND	93.6	61-152			
Vinyl Chloride	285.5	10.0	ug/L	302	ND	94.4	66-149			
Bromomethane	257.4	10.0	ug/L	301	ND	85.5	43-171			
Chloroethane	286.2	10.0	ug/L	303	ND	94.4	69-148			
Trichlorofluoromethane	305.5	10.0	ug/L	303	ND	101	62-163			
1,1-Dichloroethylene	508.7	10.0	ug/L	501	ND	101	70-148			
Acetone	1148	100	ug/L	1000	ND	115	45-173			
Methyl Iodide	892.2	10.0	ug/L	1000	ND	89.2	62-167			
Carbon Disulfide	941.3	10.0	ug/L	1000	ND	94.1	71-163			
Methylene Chloride	432.2	50.0	ug/L	501	ND	86.3	69-140			
trans-1,2-Dichloroethylene	500.9	10.0	ug/L	501	ND	100	69-144			
1,1-Dichloroethane	497.4	10.0	ug/L	501	ND	99.3	70-138			
Vinyl Acetate	1471	50.0	ug/L	1400	ND	105	58-142			
cis-1,2-Dichloroethylene	493.4	10.0	ug/L	504	ND	98.0	68-151			
2-Butanone (MEK)	899.1	100	ug/L	1000	ND	89.9	50-160			
Bromochloromethane	491.6	10.0	ug/L	504	ND	97.5	65-143			
Chloroform	498.0	10.0	ug/L	501	ND	99.4	71-143			
1,1,1-Trichloroethane	507.1	10.0	ug/L	501	ND	101	63-133			
Carbon Tetrachloride	503.0	10.0	ug/L	501	ND	100	63-142			
Benzene	491.1	10.0	ug/L	504	ND	97.4	69-133			
1,2-Dichloroethane	511.2	10.0	ug/L	501	ND	102	63-138			
Trichloroethylene	504.1	10.0	ug/L	501	ND	101	71-133			
1,2-Dichloropropane	492.6	10.0	ug/L	501	ND	98.3	69-132			
Dibromomethane	505.3	10.0	ug/L	504	ND	100	70-147			
Bromodichloromethane	513.7	10.0	ug/L	501	ND	103	67-130			
cis-1,3-Dichloropropene	472.1	10.0	ug/L	501	ND	94.3	61-126			
4-Methyl-2-pentanone (MIBK)	1052	50.0	ug/L	1000	ND	105	55-147			
Toluene	521.2	10.0	ug/L	505	ND	103	71-133			
trans-1,3-Dichloropropene	459.2	10.0	ug/L	501	ND	91.7	63-124			
1,1,2-Trichloroethane	481.9	10.0	ug/L	501	ND	96.2	69-133			
Tetrachloroethylene	494.4	10.0	ug/L	501	ND	98.7	70-124			
2-Hexanone (MBK)	1088	50.0	ug/L	1000	ND	109	53-141			
Dibromochloromethane	525.4	10.0	ug/L	501	ND	105	74-122			
1,2-Dibromoethane	511.6	10.0	ug/L	502	ND	102	66-127			

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CERTIFICATE OF ANALYSIS

1IC0568

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1002 - EPA 5030B - EPA 8260D										
Matrix Spike (1IC1002-MS2)	Source: 1IC0851-21			Prepared: 03/19/25 00:00 Analyzed: 03/20/25 10:10						
Chlorobenzene	488.5	10.0	ug/L	501	ND	97.5	76-116			
1,1,1,2-Tetrachloroethane	493.4	10.0	ug/L	503	ND	98.0	77-121			
Ethylbenzene	522.7	10.0	ug/L	502	ND	104	73-124			
Xylenes, total	1570	20.0	ug/L	1510	ND	104	75-123			
Styrene	532.1	10.0	ug/L	504	ND	106	70-120			
Bromoform	523.2	10.0	ug/L	501	ND	104	70-124			
1,2,3-Trichloropropane	482.3	10.0	ug/L	503	ND	95.8	62-135			
trans-1,4-Dichloro-2-butene	922.3	50.0	ug/L	1000	ND	92.2	50-120			
1,1,2,2-Tetrachloroethane	479.1	10.0	ug/L	501	ND	95.6	63-126			
1,4-Dichlorobenzene	464.0	10.0	ug/L	501	ND	92.6	72-119			
1,2-Dichlorobenzene	497.9	10.0	ug/L	501	ND	99.4	71-117			
1,2-Dibromo-3-chloropropane	619.4	50.0	ug/L	501	ND	124	49-134			
Surrogate: Dibromofluoromethane	478		ug/L	502		95.3	75-136			
Surrogate: 1,2-Dichloroethane-d4	476		ug/L	501		95.0	61-142			
Surrogate: Toluene-d8	500		ug/L	504		99.2	82-121			
Surrogate: 4-Bromofluorobenzene	503		ug/L	501		100	80-116			
Matrix Spike Dup (1IC1002-MSD1)	Source: 1IC0851-01			Prepared: 03/19/25 00:00 Analyzed: 03/20/25 00:52						
Chloromethane	269.5	10.0	ug/L	303	ND	88.9	61-152	2.24	26	
Vinyl Chloride	272.9	10.0	ug/L	302	ND	90.2	66-149	1.92	23	
Bromomethane	251.1	10.0	ug/L	301	ND	83.4	43-171	8.17	29	
Chloroethane	268.3	10.0	ug/L	303	ND	88.5	69-148	1.15	25	
Trichlorofluoromethane	250.3	10.0	ug/L	303	ND	82.6	62-163	12.2	25	
1,1-Dichloroethylene	425.5	10.0	ug/L	501	ND	84.9	70-148	9.81	22	
Acetone	911.3	100	ug/L	1000	ND	91.1	45-173	9.69	30	
Methyl Iodide	806.9	10.0	ug/L	1000	ND	80.7	62-167	3.84	24	
Carbon Disulfide	826.1	10.0	ug/L	1000	ND	82.6	71-163	6.56	22	
Methylene Chloride	369.4	50.0	ug/L	501	ND	73.7	69-140	8.58	19	
trans-1,2-Dichloroethylene	420.5	10.0	ug/L	501	ND	84.0	69-144	10.8	22	
1,1-Dichloroethane	414.5	10.0	ug/L	501	ND	82.7	70-138	10.7	20	
Vinyl Acetate	1225	50.0	ug/L	1400	ND	87.5	58-142	11.9	24	
cis-1,2-Dichloroethylene	408.4	10.0	ug/L	504	ND	81.1	68-151	10.2	22	
2-Butanone (MEK)	809.1	100	ug/L	1000	ND	80.9	50-160	1.68	23	
Bromochloromethane	408.2	10.0	ug/L	504	ND	81.0	65-143	9.07	22	
Chloroform	403.4	10.0	ug/L	501	ND	80.5	71-143	13.6	21	
1,1,1-Trichloroethane	448.2	10.0	ug/L	501	ND	89.4	63-133	6.60	23	
Carbon Tetrachloride	441.4	10.0	ug/L	501	ND	88.1	63-142	8.63	22	
Benzene	437.8	10.0	ug/L	504	ND	86.8	69-133	7.54	18	
1,2-Dichloroethane	428.3	10.0	ug/L	501	ND	85.5	63-138	9.39	20	
Trichloroethylene	442.6	10.0	ug/L	501	ND	88.4	71-133	7.48	23	
1,2-Dichloropropane	422.7	10.0	ug/L	501	ND	84.4	69-132	10.1	20	
Dibromomethane	420.8	10.0	ug/L	504	ND	83.5	70-147	13.0	22	
Bromodichloromethane	441.6	10.0	ug/L	501	ND	88.2	67-130	10.4	21	

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CERTIFICATE OF ANALYSIS

11C0568

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11C1002 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (11C1002-MSD1)	Source: 11C0851-01			Prepared: 03/19/25 00:00 Analyzed: 03/20/25 00:52						
cis-1,3-Dichloropropene	421.2	10.0	ug/L	501	ND	84.1	61-126	8.70	21	
4-Methyl-2-pentanone (MIBK)	920.9	50.0	ug/L	1000	ND	92.1	55-147	0.423	23	
Toluene	495.5	10.0	ug/L	505	ND	98.2	71-133	3.33	19	
trans-1,3-Dichloropropene	401.5	10.0	ug/L	501	ND	80.2	63-124	7.18	21	
1,1,2-Trichloroethane	417.5	10.0	ug/L	501	ND	83.3	69-133	7.03	19	
Tetrachloroethylene	479.1	10.0	ug/L	501	ND	95.6	70-124	4.61	24	
2-Hexanone (MBK)	979.4	50.0	ug/L	1000	ND	97.9	53-141	0.894	24	
Dibromochloromethane	467.5	10.0	ug/L	501	ND	93.4	74-122	6.38	21	
1,2-Dibromoethane	459.8	10.0	ug/L	502	ND	91.5	66-127	7.59	23	
Chlorobenzene	453.4	10.0	ug/L	501	ND	90.5	76-116	5.89	21	
1,1,1,2-Tetrachloroethane	441.3	10.0	ug/L	503	ND	87.7	77-121	7.38	25	
Ethylbenzene	503.7	10.0	ug/L	502	ND	100	73-124	3.82	20	
Xylenes, total	1517	20.0	ug/L	1510	ND	100	75-123	4.11	20	
Styrene	508.2	10.0	ug/L	504	ND	101	70-120	4.09	23	
Bromoform	472.1	10.0	ug/L	501	ND	94.2	70-124	3.62	22	
1,2,3-Trichloropropane	442.9	10.0	ug/L	503	ND	88.0	62-135	3.44	28	
trans-1,4-Dichloro-2-butene	907.5	50.0	ug/L	1000	ND	90.8	50-120	0.867	26	
1,1,2,2-Tetrachloroethane	475.9	10.0	ug/L	501	ND	95.0	63-126	5.33	24	
1,4-Dichlorobenzene	471.1	10.0	ug/L	501	ND	94.0	72-119	2.89	24	
1,2-Dichlorobenzene	492.6	10.0	ug/L	501	ND	98.3	71-117	4.70	24	
1,2-Dibromo-3-chloropropane	568.8	50.0	ug/L	501	ND	113	49-134	26.1	28	
Surrogate: Dibromofluoromethane	412		ug/L	502		82.1	75-136			
Surrogate: 1,2-Dichloroethane-d4	414		ug/L	501		82.8	61-142			
Surrogate: Toluene-d8	507		ug/L	504		101	82-121			
Surrogate: 4-Bromofluorobenzene	486		ug/L	501		96.9	80-116			
Matrix Spike Dup (11C1002-MSD2)	Source: 11C0851-21			Prepared: 03/19/25 00:00 Analyzed: 03/20/25 10:33						
Chloromethane	288.8	10.0	ug/L	303	ND	95.2	61-152	1.78	26	
Vinyl Chloride	288.6	10.0	ug/L	302	ND	95.4	66-149	1.08	23	
Bromomethane	261.0	10.0	ug/L	301	ND	86.6	43-171	1.39	29	
Chloroethane	279.3	10.0	ug/L	303	ND	92.1	69-148	2.44	25	
Trichlorofluoromethane	288.9	10.0	ug/L	303	ND	95.3	62-163	5.59	25	
1,1-Dichloroethylene	492.7	10.0	ug/L	501	ND	98.3	70-148	3.20	22	
Acetone	1033	100	ug/L	1000	ND	103	45-173	10.5	30	
Methyl Iodide	905.7	10.0	ug/L	1000	ND	90.6	62-167	1.50	24	
Carbon Disulfide	933.6	10.0	ug/L	1000	ND	93.4	71-163	0.821	22	
Methylene Chloride	436.1	50.0	ug/L	501	ND	87.0	69-140	0.898	19	
trans-1,2-Dichloroethylene	487.9	10.0	ug/L	501	ND	97.4	69-144	2.63	22	
1,1-Dichloroethane	484.3	10.0	ug/L	501	ND	96.7	70-138	2.67	20	
Vinyl Acetate	1438	50.0	ug/L	1400	ND	103	58-142	2.27	24	
cis-1,2-Dichloroethylene	487.4	10.0	ug/L	504	ND	96.8	68-151	1.22	22	
2-Butanone (MEK)	898.6	100	ug/L	1000	ND	89.9	50-160	0.0556	23	
Bromochloromethane	494.7	10.0	ug/L	504	ND	98.2	65-143	0.629	22	

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CERTIFICATE OF ANALYSIS

1IC0568

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1002 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1IC1002-MSD2)	Source: 1IC0851-21			Prepared: 03/19/25 00:00 Analyzed: 03/20/25 10:33						
Chloroform	481.8	10.0	ug/L	501	ND	96.2	71-143	3.31	21	
1,1,1-Trichloroethane	498.9	10.0	ug/L	501	ND	99.6	63-133	1.63	23	
Carbon Tetrachloride	495.0	10.0	ug/L	501	ND	98.8	63-142	1.60	22	
Benzene	489.0	10.0	ug/L	504	ND	97.0	69-133	0.429	18	
1,2-Dichloroethane	513.6	10.0	ug/L	501	ND	103	63-138	0.468	20	
Trichloroethylene	492.2	10.0	ug/L	501	ND	98.3	71-133	2.39	23	
1,2-Dichloropropane	504.8	10.0	ug/L	501	ND	101	69-132	2.45	20	
Dibromomethane	512.9	10.0	ug/L	504	ND	102	70-147	1.49	22	
Bromodichloromethane	508.6	10.0	ug/L	501	ND	102	67-130	0.998	21	
cis-1,3-Dichloropropene	473.3	10.0	ug/L	501	ND	94.5	61-126	0.254	21	
4-Methyl-2-pentanone (MIBK)	1085	50.0	ug/L	1000	ND	109	55-147	3.17	23	
Toluene	530.2	10.0	ug/L	505	ND	105	71-133	1.71	19	
trans-1,3-Dichloropropene	457.3	10.0	ug/L	501	ND	91.3	63-124	0.415	21	
1,1,2-Trichloroethane	489.2	10.0	ug/L	501	ND	97.7	69-133	1.50	19	
Tetrachloroethylene	491.6	10.0	ug/L	501	ND	98.1	70-124	0.568	24	
2-Hexanone (MBK)	1108	50.0	ug/L	1000	ND	111	53-141	1.78	24	
Dibromochloromethane	524.8	10.0	ug/L	501	ND	105	74-122	0.114	21	
1,2-Dibromoethane	516.1	10.0	ug/L	502	ND	103	66-127	0.876	23	
Chlorobenzene	487.5	10.0	ug/L	501	ND	97.3	76-116	0.205	21	
1,1,1,2-Tetrachloroethane	479.9	10.0	ug/L	503	ND	95.3	77-121	2.77	25	
Ethylbenzene	522.3	10.0	ug/L	502	ND	104	73-124	0.0766	20	
Xylenes, total	1580	20.0	ug/L	1510	ND	105	75-123	0.686	20	
Styrene	540.0	10.0	ug/L	504	ND	107	70-120	1.47	23	
Bromoform	537.3	10.0	ug/L	501	ND	107	70-124	2.66	22	
1,2,3-Trichloropropane	482.6	10.0	ug/L	503	ND	95.9	62-135	0.0622	28	
trans-1,4-Dichloro-2-butene	921.4	50.0	ug/L	1000	ND	92.1	50-120	0.0976	26	
1,1,2,2-Tetrachloroethane	490.7	10.0	ug/L	501	ND	97.9	63-126	2.39	24	
1,4-Dichlorobenzene	481.6	10.0	ug/L	501	ND	96.1	72-119	3.72	24	
1,2-Dichlorobenzene	507.0	10.0	ug/L	501	ND	101	71-117	1.81	24	
1,2-Dibromo-3-chloropropane	602.9	50.0	ug/L	501	ND	120	49-134	2.70	28	
Surrogate: Dibromofluoromethane	470		ug/L	502		93.6	75-136			
Surrogate: 1,2-Dichloroethane-d4	462		ug/L	501		92.3	61-142			
Surrogate: Toluene-d8	495		ug/L	504		98.2	82-121			
Surrogate: 4-Bromofluorobenzene	497		ug/L	501		99.1	80-116			

Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0439 - Wet Chem Preparation - EPA 376.2										
Blank (1IC0439-BLK1)				Prepared: 03/11/25 08:34 Analyzed: 03/11/25 09:34						
Sulfide, total	<0.10	0.10	mg/L							



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CERTIFICATE OF ANALYSIS

11C0568

Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11C0439 - Wet Chem Preparation - EPA 376.2										
LCS (11C0439-BS1)	Prepared: 03/11/25 08:34 Analyzed: 03/11/25 09:34									
Sulfide, total	0.320	0.10	mg/L	0.31		102	56-118			
Matrix Spike (11C0439-MS1)	Source: 11C0461-01	Prepared: 03/11/25 08:34 Analyzed: 03/11/25 09:34								
Sulfide, total	0.345	0.10	mg/L	0.31	ND	109	50-150			
Matrix Spike Dup (11C0439-MSD1)	Source: 11C0461-01	Prepared: 03/11/25 08:34 Analyzed: 03/11/25 09:34								
Sulfide, total	0.312	0.10	mg/L	0.31	ND	99.2	50-150	9.81	30	
Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11C0421 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (11C0421-BLK1)	Prepared: 03/10/25 15:26 Analyzed: 03/11/25 22:31									
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 (11C0421-BS1)	Prepared: 03/10/25 15:26 Analyzed: 03/11/25 22:37									
Antimony, total	0.0952	0.0020	mg/L	0.100		95.2	80-120			
Arsenic, total	0.0936	0.0040	mg/L	0.100		93.6	80-120			
Barium, total	0.106	0.0040	mg/L	0.100		106	80-120			
Beryllium, total	0.0993	0.0040	mg/L	0.100		99.3	80-120			
Cadmium, total	0.0921	0.0008	mg/L	0.100		92.1	80-120			
Chromium, total	0.0903	0.0080	mg/L	0.100		90.3	80-120			
Cobalt, total	0.0932	0.0004	mg/L	0.100		93.2	80-120			
Copper, total	0.0855	0.0040	mg/L	0.100		85.5	80-120			
Lead, total	0.0992	0.0040	mg/L	0.100		99.2	80-120			
Nickel, total	0.0912	0.0040	mg/L	0.100		91.2	80-120			
Selenium, total	0.0932	0.0040	mg/L	0.100		93.2	80-120			
Silver, total	0.0953	0.0040	mg/L	0.100		95.3	80-120			
Thallium, total	0.0977	0.0020	mg/L	0.100		97.7	80-120			
Vanadium, total	0.0958	0.0200	mg/L	0.100		95.8	80-120			
Zinc, total	0.0898	0.0200	mg/L	0.100		89.8	80-120			

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1IC0568

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC0421 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Matrix Spike (1IC0421-MS1) Source: 1IC0568-01 Prepared: 03/10/25 15:26 Analyzed: 03/11/25 23:08										
Antimony, total	0.0961	0.0020	mg/L	0.100	ND	96.1	75-125			
Arsenic, total	0.135	0.0040	mg/L	0.100	0.0419	93.2	75-125			
Barium, total	0.396	0.0040	mg/L	0.100	0.289	107	75-125			
Beryllium, total	0.0995	0.0040	mg/L	0.100	ND	99.5	75-125			
Cadmium, total	0.0898	0.0008	mg/L	0.100	0.0002	89.6	75-125			
Chromium, total	0.0900	0.0080	mg/L	0.100	0.0009	89.1	75-125			
Cobalt, total	0.0920	0.0004	mg/L	0.100	0.0009	91.1	75-125			
Copper, total	0.0811	0.0040	mg/L	0.100	0.0013	79.8	75-125			
Lead, total	0.0962	0.0040	mg/L	0.100	ND	96.2	75-125			
Nickel, total	0.0889	0.0040	mg/L	0.100	0.0017	87.2	75-125			
Selenium, total	0.0912	0.0040	mg/L	0.100	ND	91.2	75-125			
Silver, total	0.0932	0.0040	mg/L	0.100	ND	93.2	75-125			
Thallium, total	0.0973	0.0020	mg/L	0.100	ND	97.3	75-125			
Vanadium, total	0.0953	0.0200	mg/L	0.100	ND	95.3	75-125			
Zinc, total	0.0909	0.0200	mg/L	0.100	ND	90.9	75-125			
Matrix Spike Dup (1IC0421-MSD1) Source: 1IC0568-01 Prepared: 03/10/25 15:26 Analyzed: 03/11/25 23:14										
Antimony, total	0.0928	0.0020	mg/L	0.100	ND	92.8	75-125	3.41	20	
Arsenic, total	0.136	0.0040	mg/L	0.100	0.0419	94.6	75-125	1.09	20	
Barium, total	0.391	0.0040	mg/L	0.100	0.289	102	75-125	1.39	20	
Beryllium, total	0.0982	0.0040	mg/L	0.100	ND	98.2	75-125	1.36	20	
Cadmium, total	0.0873	0.0008	mg/L	0.100	0.0002	87.1	75-125	2.86	20	
Chromium, total	0.0887	0.0080	mg/L	0.100	0.0009	87.8	75-125	1.48	20	
Cobalt, total	0.0928	0.0004	mg/L	0.100	0.0009	91.9	75-125	0.827	20	
Copper, total	0.0792	0.0040	mg/L	0.100	0.0013	78.0	75-125	2.32	20	
Lead, total	0.0963	0.0040	mg/L	0.100	ND	96.3	75-125	0.125	20	
Nickel, total	0.0901	0.0040	mg/L	0.100	0.0017	88.3	75-125	1.31	20	
Selenium, total	0.0916	0.0040	mg/L	0.100	ND	91.6	75-125	0.451	20	
Silver, total	0.0930	0.0040	mg/L	0.100	ND	93.0	75-125	0.230	20	
Thallium, total	0.0970	0.0020	mg/L	0.100	ND	97.0	75-125	0.264	20	
Vanadium, total	0.0941	0.0200	mg/L	0.100	ND	94.1	75-125	1.27	20	
Zinc, total	0.0911	0.0200	mg/L	0.100	ND	91.1	75-125	0.245	20	
Post Spike (1IC0421-PS1) Source: 1IC0568-01 Prepared: 03/10/25 15:26 Analyzed: 03/11/25 23:20										
Antimony, total	0.0812		mg/L	0.0800	0.00007	101	80-120			
Arsenic, total	0.122		mg/L	0.0800	0.0410	101	80-120			
Barium, total	0.377		mg/L	0.0800	0.283	118	80-120			
Beryllium, total	0.0831		mg/L	0.0800	-0.00001	104	80-120			
Cadmium, total	0.0742		mg/L	0.0800	0.0002	92.5	80-120			
Chromium, total	0.0778		mg/L	0.0800	0.0009	96.1	80-120			
Cobalt, total	0.0808		mg/L	0.0800	0.0009	99.8	80-120			
Copper, total	0.0694		mg/L	0.0800	0.0012	85.2	80-120			
Lead, total	0.0820		mg/L	0.0800	0.0002	102	80-120			
Nickel, total	0.0784		mg/L	0.0800	0.0017	95.8	80-120			
Selenium, total	0.0802		mg/L	0.0800	0.0002	100	80-120			

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CERTIFICATE OF ANALYSIS

11C0568

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11C0421 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Post Spike (11C0421-PS1) Source: 11C0568-01 Prepared: 03/10/25 15:26 Analyzed: 03/11/25 23:20										
Silver, total	0.0803		mg/L	0.0800	0.00006	100	80-120			
Thallium, total	0.0829		mg/L	0.0800	0.00004	104	80-120			
Vanadium, total	0.0830		mg/L	0.0800	0.0024	101	80-120			
Zinc, total	0.0796		mg/L	0.0800	0.0074	90.3	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.
M1:	Matrix spike recovery is above acceptance limits.
R1:	Duplicate RPD is outside acceptance criteria.
RL:	Reporting Limit
RPD:	Relative Percent Difference
S2:	Surrogate recovery is below acceptance limits.

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 2.0°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
03/28/25 10:15



600 East
Newton,
641-792-



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HLW Engineering
PM: Heather Murphy

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SITE INFORMATION

Sampler: TODD WHIPPLE

Project: Benton County - New Regs

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

Eric Werner
Benton County Sanitary Landfill
7904 20th Ave
Blairtown, IA 52209

LAB USE ONLY

Work Order IC0568

Temperature 2.0

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-20	Aqueous	GRAB	<u>3/6/25</u>	<u>16:04</u>	<u>8</u>	Indfill-app1-voc-group Indfill-app1-metals-6020 soil-t-376.2-regen	<u>01</u>
-001	AW-1	Aqueous	GRAB	<u>3/6/25</u>	<u>11:11</u>	<u>7</u>	Indfill-app1-voc-group Indfill-app1-metals-6020	<u>02</u>
-001	MW-24	Aqueous	GRAB	<u>3/6/25</u>	<u>11:58</u>	<u>7</u>	Indfill-app1-voc-group Indfill-app1-metals-6020	<u>03</u>
-001	MW-25	Aqueous	GRAB	<u>3/6/25</u>	<u>11:40</u>	<u>7</u>	Indfill-app1-voc-group Indfill-app1-metals-6020	<u>04</u>
-001	AW-2	Aqueous	GRAB	<u>3/6/25</u>	<u>13:08</u>	<u>7</u>	Indfill-app1-voc-group Indfill-app1-metals-6020	<u>05</u>
-001	AW-8	Aqueous	GRAB	<u>3/6/25</u>	<u>13:19</u>	<u>31</u>	as-t-6020 eo-t-6020	<u>06</u>
-001	AW-3	Aqueous	GRAB	<u>3/6/25</u>	<u>13:35</u>	<u>7</u>	Indfill-app1-voc-group Indfill-app1-metals-6020	<u>07</u>

Relinquished By

Date/Time

Relinquished By

Date/Time

Remarks:

Received By

Date/Time

Received for Lab By

Date/Time

Original - Lab Copy Yellow - Sampler Copy



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Newton, IA
641-792-84



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HLW Engineering
PM: Heather Murphy

Page 1 of 1
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Page 69 of 70

SITE INFORMATION

Sampler: TODD WHIPPLE

Project: Benton County - New Regs

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

Eric Werner
Benton County Sanitary Landfill
7904 20th Ave
Blairstown, IA 52209

LAB USE ONLY

Work Order 1IC0568

Temperature 2.0

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-6 (b) <u>No Sample</u>	Aqueous	GRAB	<u>1 / 1</u>		<u>No Sample</u>	Indfil-app1-voc-group Indfil-app1-metals-6020	
-001	MW-26 (b)	Aqueous	GRAB	<u>3 / 6 / 25</u>	<u>9:40</u>	<u>7</u>	Indfil-app1-voc-group Indfil-app1-metals-6020	<u>08</u>
-001	MW-27 (b)	Aqueous	GRAB	<u>3 / 6 / 25</u>	<u>10:10</u>	<u>7</u>	Indfil-app1-voc-group Indfil-app1-metals-6020	<u>09</u>
-001	MW-28 (b)	Aqueous	GRAB	<u>3 / 6 / 25</u>	<u>10:50</u>	<u>7</u>	Indfil-app1-voc-group Indfil-app1-metals-6020	<u>10</u>
-001	MW-7 (b)	Aqueous	GRAB	<u>3 / 6 / 25</u>	<u>10:32</u>	<u>7</u>	Indfil-app1-voc-group Indfil-app1-metals-6020	<u>11</u>
-001	MW-12	Aqueous	GRAB	<u>3 / 6 / 25</u>	<u>12:16</u>	<u>7</u>	Indfil-app1-voc-group Indfil-app1-metals-6020	<u>12</u>
-001	MW-14	Aqueous	GRAB	<u>3 / 6 / 25</u>	<u>12:32</u>	<u>7</u>	Indfil-app1-voc-group Indfil-app1-metals-6020	<u>13</u>

Relinquished By [Signature] Date/Time 3/7/25

Relinquished By [Signature] Date/Time 3/7/2025 10:30 AM

Remarks:

Received By [Signature] Date/Time 3/7/25

Received for Lab By [Signature] Date/Time 3/7/2025 10:30 AM

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Newton,
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HLW Engineering

PM: Heather Murphy

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Page 70 of 70

SITE INFORMATION

Sampler: TODD WHIPPLE

Project: Benton County - New Regs

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

Eric Werner
Benton County Sanitary Landfill
7904 20th Ave
Blairtown, IA 52209

LAB USE ONLY

Work Order 1IC0568

Temperature 2.0

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	Duplicate	Aqueous	GRAB	3/6/25	✓	1	Ind01-app1-metals-6020	14
-001	MW-41	Aqueous	GRAB	3/6/25	11:28	7	Ind01-app1-voc-group Ind01-app1-metals-6020	15
								16
								17
								18

Relinquished By Todd Whipple Date/Time 3/7/25

Relinquished By [Signature] Date/Time 3/7/2025 10:30am

Remarks:

Received By _____ Date/Time _____

Received for Lab By _____ Date/Time _____

Original - Lab Copy Yellow - Sampler Copy



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IF0222

Project Description

Benton County - New Regs

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Tisdale

Customer Relationship Specialist

Friday, June 27, 2025

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

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

Microbac Laboratories, Inc.

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11F0222

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: Benton County - New Regs

Project / PO Number: N/A
Received: 06/02/2025
Reported: 06/27/2025

Sample Summary Report

<u>Sample Name</u>	<u>Laboratory ID</u>	<u>Client Matrix</u>	<u>Sample Type</u>	<u>Sample Begin</u>	<u>Sample Taken</u>	<u>Lab Received</u>
AW-1	11F0222-01	Aqueous	GRAB		05/22/25 13:13	06/02/25 10:55



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11F0222

Analytical Testing Parameters

Client Sample ID:	AW-1	Collected By:	JGH
Sample Matrix:	Aqueous	Collection Date:	05/22/2025 13:13
Lab Sample ID:	11F0222-01		

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Selenium, total	0.0054	0.0020	mg/L		06/21/25 1006	06/25/25 1829	RVV



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11F0222

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	11F1180	11F1180-BLK1	
		11F1180-BS1	
		11F0222-01	AW-1
		11F1180-MS1	11F1183-01
		11F1180-MSD1	11F1183-01
		11F1180-PS1	11F1183-01

Batch Quality Control Summary: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11F1180 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (11F1180-BLK1)				Prepared: 06/21/25 10:06 Analyzed: 06/25/25 18:24						
Selenium, total	<0.0020	0.0020	mg/L							
LCS (11F1180-BS1)				Prepared: 06/21/25 10:06 Analyzed: 06/25/25 18:27						
Selenium, total	0.0969	0.0020	mg/L	0.100		96.9	80-120			
Matrix Spike (11F1180-MS1)				Source: 11F1183-01 Prepared: 06/21/25 10:06 Analyzed: 06/25/25 18:42						
Selenium, total	0.0933	0.0020	mg/L	0.100	ND	93.3	75-125			
Matrix Spike Dup (11F1180-MSD1)				Source: 11F1183-01 Prepared: 06/21/25 10:06 Analyzed: 06/25/25 18:44						
Selenium, total	0.0992	0.0020	mg/L	0.100	ND	99.2	75-125	6.18	20	
Post Spike (11F1180-PS1)				Source: 11F1183-01 Prepared: 06/21/25 10:06 Analyzed: 06/25/25 18:46						
Selenium, total	0.0181		mg/L	0.0200	0.0002	89.2	80-120			

Definitions

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 Tisdale
Customer Relationship Specialist
06/27/25 09:06

☐ 600 E. 17th St. S.
Newton, IA 50208
Phone: 641-792-8451
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☐ 3012 Ansborough Ave.
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Phone: 319-235-4440
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1 I F 0 2 2 2

HLW Engineering
PM: Heather Murphy

anBuren St
lle, IA 52544
641-437-7023
641-437-7040

PAGE 1 OF 1

PRINT OR TYPE INFORMATION BELOW

SAMPLER: JGH
SITE NAME: BENTON Co SLF
ADDRESS: _____
CITY/ST/ZIP: _____
PHONE: _____

REPORT TO:
NAME: TODD WHIPPLE
COMPANY NAME: HLW ENGINEERING
ADDRESS: PO BOX 314
CITY/ST/ZIP: STORY CITY, IA 50248
PHONE: 515-733-4144
FAX: 515-733-4146

BILL TO:
NAME: ERK WERNER
COMPANY NAME: BENTON Co SLF
ADDRESS: 7904 20TH AVE
CITY/ST/ZIP: BLAIRSTOWN, IA 52209
PHONE: _____
Keystone Quote No: _____
(If Applicable)

CLIENT SAMPLE NUMBER	DATE	TIME	SAMPLE LOCATION	NO. OF CONTAINERS	MATRIX	GRAB/COMPOSITE	ANALYSES REQUIRED										LAB USE ONLY	
																	LABORATORY WORK ORDER NO.	
																	<u>IF0222</u>	
																	SAMPLE TEMPERATURE UPON RECEIPT:	
																	<u>0.01°C</u>	
																	SAMPLE CONDITION/COMMENTS	
<u>AW-1</u>	<u>5/22/25</u>	<u>13:13</u>		<u>1</u>	<u>WATER</u>	<u>G</u>	<u>X</u>											<u>01</u>

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>6/2/25</u> Time <u>10:55</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>6/2/25</u> Time <u>10:55</u>	Turn-Around: ☐ Standard ☐ Rush Contact Lab Prior to Submission
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>6/2/25</u> Time <u>10:55</u>	Received for Lab by: (Signature) <u>[Signature]</u>	Date <u>6/2/25</u> Time <u>10:55</u>	Remarks:



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IH2032

Project Description

Benton County - New Regs

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Friday, August 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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CERTIFICATE OF ANALYSIS

1IH2032

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: Benton County - New Regs

Project / PO Number: N/A
Received: 08/20/2025
Reported: 08/29/2025

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>
GU-L	1IH2032-01	Aqueous	GRAB		08/15/25 15:12	08/20/25 09:35



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IH2032

Analytical Testing Parameters

Client Sample ID:	GU-L	Collected By:	JGH
Sample Matrix:	Aqueous	Collection Date:	08/15/2025 15:12
Lab Sample ID:	1IH2032-01		

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		08/26/25 1447	08/27/25 1641	RVV
Arsenic, total	<0.0020	0.0020	mg/L		08/26/25 1447	08/27/25 1641	RVV
Barium, total	0.142	0.0010	mg/L		08/26/25 1447	08/27/25 1641	RVV
Beryllium, total	<0.0005	0.0005	mg/L		08/26/25 1447	08/27/25 1641	RVV
Cadmium, total	<0.0002	0.0002	mg/L		08/26/25 1447	08/27/25 1641	RVV
Chromium, total	<0.0010	0.0010	mg/L		08/26/25 1447	08/27/25 1641	RVV
Cobalt, total	0.0072	0.0005	mg/L		08/26/25 1447	08/27/25 1641	RVV
Copper, total	<0.0050	0.0050	mg/L		08/26/25 1447	08/27/25 1641	RVV
Lead, total	<0.0010	0.0010	mg/L		08/26/25 1447	08/27/25 1641	RVV
Nickel, total	0.0507	0.0050	mg/L		08/26/25 1447	08/27/25 1641	RVV
Selenium, total	<0.0020	0.0020	mg/L		08/26/25 1447	08/27/25 1641	RVV
Silver, total	<0.0050	0.0050	mg/L		08/26/25 1447	08/27/25 1641	RVV
Thallium, total	<0.0005	0.0005	mg/L		08/26/25 1447	08/27/25 1641	RVV
Vanadium, total	<0.0020	0.0020	mg/L		08/26/25 1447	08/27/25 1641	RVV
Zinc, total	<0.0050	0.0050	mg/L		08/26/25 1447	08/27/25 1641	RVV

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CERTIFICATE OF ANALYSIS

1IH2032

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1IH1417	1IH1417-BLK1	
		1IH1417-BS1	
		1IH2032-01	GU-L
		1IH1417-MS1	1IH2032-01
		1IH1417-MSD1	1IH2032-01
		1IH1417-PS1	1IH2032-01

Batch Quality Control Summary: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IH1417 - EPA 3005A Total Recoverable Metals - EPA 6020A										

Blank (1IH1417-BLK1)

Prepared: 08/26/25 14:47 Analyzed: 08/27/25 16:31

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 (1IH1417-BS1)

Prepared: 08/26/25 14:47 Analyzed: 08/27/25 16:33

Antimony, total	0.108	0.0010	mg/L	0.100	108	80-120
Arsenic, total	0.102	0.0020	mg/L	0.100	102	80-120
Barium, total	0.116	0.0010	mg/L	0.100	116	80-120
Beryllium, total	0.0959	0.0005	mg/L	0.100	95.9	80-120
Cadmium, total	0.104	0.0002	mg/L	0.100	104	80-120
Chromium, total	0.108	0.0010	mg/L	0.100	108	80-120
Cobalt, total	0.107	0.0005	mg/L	0.100	107	80-120
Copper, total	0.101	0.0050	mg/L	0.100	101	80-120
Lead, total	0.101	0.0010	mg/L	0.100	101	80-120
Nickel, total	0.0997	0.0050	mg/L	0.100	99.7	80-120
Selenium, total	0.1001	0.0020	mg/L	0.100	100	80-120
Silver, total	0.102	0.0050	mg/L	0.100	102	80-120
Thallium, total	0.106	0.0005	mg/L	0.100	106	80-120
Vanadium, total	0.112	0.0020	mg/L	0.100	112	80-120
Zinc, total	0.104	0.0050	mg/L	0.100	104	80-120

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CERTIFICATE OF ANALYSIS

1IH2032

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IH1417 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Matrix Spike (1IH1417-MS1) Source: 1IH2032-01 Prepared: 08/26/25 14:47 Analyzed: 08/27/25 16:43										
Antimony, total	0.108	0.0010	mg/L	0.100	0.0005	108	75-125			
Arsenic, total	0.105	0.0020	mg/L	0.100	0.0006	104	75-125			
Barium, total	0.253	0.0010	mg/L	0.100	0.142	111	75-125			
Beryllium, total	0.0973	0.0005	mg/L	0.100	ND	97.3	75-125			
Cadmium, total	0.101	0.0002	mg/L	0.100	ND	101	75-125			
Chromium, total	0.105	0.0010	mg/L	0.100	0.0007	104	75-125			
Cobalt, total	0.108	0.0005	mg/L	0.100	0.0072	101	75-125			
Copper, total	0.0964	0.0050	mg/L	0.100	0.0022	94.1	75-125			
Lead, total	0.102	0.0010	mg/L	0.100	ND	102	75-125			
Nickel, total	0.145	0.0050	mg/L	0.100	0.0507	94.8	75-125			
Selenium, total	0.1029	0.0020	mg/L	0.100	ND	103	75-125			
Silver, total	0.103	0.0050	mg/L	0.100	ND	103	75-125			
Thallium, total	0.113	0.0005	mg/L	0.100	0.0003	112	75-125			
Vanadium, total	0.113	0.0020	mg/L	0.100	ND	113	75-125			
Zinc, total	0.0990	0.0050	mg/L	0.100	ND	99.0	75-125			
Matrix Spike Dup (1IH1417-MSD1) Source: 1IH2032-01 Prepared: 08/26/25 14:47 Analyzed: 08/27/25 16:46										
Antimony, total	0.111	0.0010	mg/L	0.100	0.0005	111	75-125	2.90	20	
Arsenic, total	0.106	0.0020	mg/L	0.100	0.0006	106	75-125	1.17	20	
Barium, total	0.258	0.0010	mg/L	0.100	0.142	116	75-125	1.72	20	
Beryllium, total	0.0984	0.0005	mg/L	0.100	ND	98.4	75-125	1.14	20	
Cadmium, total	0.103	0.0002	mg/L	0.100	ND	103	75-125	2.08	20	
Chromium, total	0.109	0.0010	mg/L	0.100	0.0007	108	75-125	3.99	20	
Cobalt, total	0.112	0.0005	mg/L	0.100	0.0072	104	75-125	3.09	20	
Copper, total	0.0970	0.0050	mg/L	0.100	0.0022	94.8	75-125	0.691	20	
Lead, total	0.103	0.0010	mg/L	0.100	ND	103	75-125	0.486	20	
Nickel, total	0.146	0.0050	mg/L	0.100	0.0507	95.4	75-125	0.428	20	
Selenium, total	0.1020	0.0020	mg/L	0.100	ND	102	75-125	0.905	20	
Silver, total	0.105	0.0050	mg/L	0.100	ND	105	75-125	2.25	20	
Thallium, total	0.109	0.0005	mg/L	0.100	0.0003	109	75-125	2.88	20	
Vanadium, total	0.116	0.0020	mg/L	0.100	ND	116	75-125	2.41	20	
Zinc, total	0.0991	0.0050	mg/L	0.100	ND	99.1	75-125	0.115	20	
Post Spike (1IH1417-PS1) Source: 1IH2032-01 Prepared: 08/26/25 14:47 Analyzed: 08/27/25 16:48										
Antimony, total	0.0218		mg/L	0.0200	0.0005	106	80-120			
Arsenic, total	0.0209		mg/L	0.0200	0.0006	102	80-120			
Barium, total	0.164		mg/L	0.0200	0.142	109	80-120			
Beryllium, total	0.0198		mg/L	0.0200	0.000007	98.9	80-120			
Cadmium, total	0.0206		mg/L	0.0200	0.000002	103	80-120			
Chromium, total	0.0208		mg/L	0.0200	0.0007	101	80-120			
Cobalt, total	0.0271		mg/L	0.0200	0.0072	99.2	80-120			
Copper, total	0.0212		mg/L	0.0200	0.0022	94.9	80-120			
Lead, total	0.0203		mg/L	0.0200	0.0001	101	80-120			
Nickel, total	0.0698		mg/L	0.0200	0.0507	95.8	80-120			
Selenium, total	0.0204		mg/L	0.0200	0.0006	98.9	80-120			

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CERTIFICATE OF ANALYSIS

1IH2032

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IH1417 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Post Spike (1IH1417-PS1)		Source: 1IH2032-01		Prepared: 08/26/25 14:47 Analyzed: 08/27/25 16:48						
Silver, total	0.0204		mg/L	0.0200	0.00007	102	80-120			
Thallium, total	0.0204		mg/L	0.0200	0.0003	100	80-120			
Vanadium, total	0.0205		mg/L	0.0200	0.0001	102	80-120			
Zinc, total	0.0218		mg/L	0.0200	0.0026	96.1	80-120			

Definitions

B:	The target analyte was detected in the blank at or above the method acceptance criteria.
RL:	Reporting Limit
RPD:	Relative Percent Difference

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 2.3°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
08/29/25 16:49

CHAIN OF CUSTODY RECORD

Keystone
LABORATORIES, INC.

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Newton, IA 50208
Phone: 641-792-8451
Fax: 641-792-7989

☐ 3012 Wate
Phon
Fax:



HLW Engineering
PM: Heather Murphy

☐ 205 E VanBuren St
Centerville, IA 52544
Phone: 641-437-7023
Fax: 641-437-7040

PAGE 1 OF 1

Page 7 of 7

PRINT OR TYPE INFORMATION BELOW

SAMPLER: JGH
SITE NAME: Benton Co SLF
ADDRESS: _____
CITY/ST/ZIP: Blairstown, IA
PHONE: _____

REPORT TO:
NAME: TODD WHIPPLE
COMPANY NAME: HLW Group
ADDRESS: P.O. BOX 314
CITY/ST/ZIP: STORY CITY, Iowa 50248
PHONE: (515) 733-4144
FAX: 4146

BILL TO:
NAME: ERIC Werner, Director
COMPANY NAME: Benton Co SLF
ADDRESS: 7904 20th Ave
CITY/ST/ZIP: Blairstown, IA 52209
PHONE: _____
Keystone Quote No: _____
(If Applicable)

CLIENT SAMPLE NUMBER	DATE	TIME	SAMPLE LOCATION	NO. OF CONTAINERS	MATRIX	GRAB/COMPOSITE	ANALYSES REQUIRED										LAB USE ONLY			
							Appendix I metals												LABORATORY WORK ORDER NO.	LABORATORY SAMPLE NUMBER
GU-L	8/15/25	15:12	GU-L	1	W	G	X													

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>8/20/25</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>8-20-25</u>	Turn-Around: ☐ Standard ☐ Rush Contact Lab Prior to Submission
	Time		Time <u>9:35</u>	
Relinquished by: (Signature)	Date	Received for Lab by: (Signature)	Date	Remarks:
	Time		Time	



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1111428

Project Description

Benton County - New Regs

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Friday, October 3, 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

1111428

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: Benton County - New Regs

Project / PO Number: N/A
Received: 09/17/2025
Reported: 10/03/2025

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-6 (b)	1111428-01	Aqueous	GRAB		09/16/25 11:19	09/17/25 09:35
MW-26 (b)	1111428-02	Aqueous	GRAB		09/16/25 10:50	09/17/25 09:35
MW-27 (b)	1111428-03	Aqueous	GRAB		09/16/25 11:05	09/17/25 09:35
MW-7 (b)	1111428-04	Aqueous	GRAB		09/16/25 11:26	09/17/25 09:35
MW-12	1111428-05	Aqueous	GRAB		09/16/25 13:06	09/17/25 09:35
MW-14	1111428-06	Aqueous	GRAB		09/16/25 12:53	09/17/25 09:35
MW-20	1111428-07	Aqueous	GRAB		09/16/25 12:33	09/17/25 09:35
AW-1	1111428-08	Aqueous	GRAB		09/16/25 13:33	09/17/25 09:35
MW-24	1111428-09	Aqueous	GRAB		09/16/25 13:59	09/17/25 09:35
MW-25	1111428-10	Aqueous	GRAB		09/16/25 14:30	09/17/25 09:35
AW-2	1111428-11	Aqueous	GRAB		09/16/25 12:22	09/17/25 09:35
AW-9	1111428-12	Aqueous	GRAB		09/16/25 12:03	09/17/25 09:35
AW-3	1111428-13	Aqueous	GRAB		09/16/25 11:42	09/17/25 09:35
Duplicate	1111428-14	Aqueous	GRAB		09/16/25 00:00	09/17/25 09:35
MW-41	1111428-15	Aqueous	GRAB		09/16/25 14:17	09/17/25 09:35
GU-L	1111428-16	Aqueous	GRAB		09/16/25 13:15	09/17/25 09:35



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1111428

Analytical Testing Parameters

Client Sample ID: MW-6 (b)
Sample Matrix: Aqueous
Lab Sample ID: 1111428-01

Collected By: Whipple, Todd
Collection Date: 09/16/2025 11:19

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Bromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Chloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Acetone	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Chloroform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Benzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Dibromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Toluene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Xylenes, total	<2.0	2.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Styrene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF

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CERTIFICATE OF ANALYSIS

1111428

Client Sample ID: MW-6 (b)
Sample Matrix: Aqueous
Lab Sample ID: 1111428-01

Collected By: Whipple, Todd
Collection Date: 09/16/2025 11:19

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Bromoform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 1926	RAF
Surrogate: Dibromofluoromethane	103	Limit: 75-136	% Rec		09/22/25 0000	09/22/25 1926	RAF
Surrogate: Dibromofluoromethane	103	Limit: 57-128	% Rec		09/22/25 0000	09/22/25 1926	RAF
Surrogate: 1,2-Dichloroethane-d4	100	Limit: 49-135	% Rec		09/22/25 0000	09/22/25 1926	RAF
Surrogate: 1,2-Dichloroethane-d4	100	Limit: 61-142	% Rec		09/22/25 0000	09/22/25 1926	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec		09/22/25 0000	09/22/25 1926	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec		09/22/25 0000	09/22/25 1926	RAF
Surrogate: 4-Bromofluorobenzene	92.7	Limit: 77-114	% Rec		09/22/25 0000	09/22/25 1926	RAF
Surrogate: 4-Bromofluorobenzene	92.7	Limit: 80-116	% Rec		09/22/25 0000	09/22/25 1926	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1708	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1708	JAR
Barium, total	0.184	0.0010	mg/L		09/18/25 1534	09/23/25 1708	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1708	JAR
Cadmium, total	0.0003	0.0002	mg/L		09/18/25 1534	09/23/25 1708	JAR
Chromium, total	0.0011	0.0010	mg/L		09/18/25 1534	09/23/25 1708	JAR
Cobalt, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1708	JAR
Copper, total	0.0059	0.0050	mg/L		09/18/25 1534	09/23/25 1708	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1708	JAR
Nickel, total	0.0435	0.0050	mg/L		09/18/25 1534	09/23/25 1708	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1708	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1708	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1708	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1708	JAR
Zinc, total	0.0155	0.0050	mg/L		09/18/25 1534	09/23/25 1708	JAR

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CERTIFICATE OF ANALYSIS

111428

Client Sample ID: MW-26 (b)
Sample Matrix: Aqueous
Lab Sample ID: 111428-02

Collected By: Whipple, Todd
Collection Date: 09/16/2025 10:50

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Bromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Chloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Acetone	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Chloroform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Benzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Dibromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Toluene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Xylenes, total	<2.0	2.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Styrene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Bromoform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF

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CERTIFICATE OF ANALYSIS

1111428

Client Sample ID: MW-26 (b)
Sample Matrix: Aqueous
Lab Sample ID: 1111428-02

Collected By: Whipple, Todd
Collection Date: 09/16/2025 10:50

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 1948	RAF
Surrogate: Dibromofluoromethane	103	Limit: 75-136	% Rec		09/22/25 0000	09/22/25 1948	RAF
Surrogate: Dibromofluoromethane	103	Limit: 57-128	% Rec		09/22/25 0000	09/22/25 1948	RAF
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 49-135	% Rec		09/22/25 0000	09/22/25 1948	RAF
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 61-142	% Rec		09/22/25 0000	09/22/25 1948	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec		09/22/25 0000	09/22/25 1948	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec		09/22/25 0000	09/22/25 1948	RAF
Surrogate: 4-Bromofluorobenzene	92.7	Limit: 77-114	% Rec		09/22/25 0000	09/22/25 1948	RAF
Surrogate: 4-Bromofluorobenzene	92.7	Limit: 80-116	% Rec		09/22/25 0000	09/22/25 1948	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1718	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1718	JAR
Barium, total	0.158	0.0010	mg/L		09/18/25 1534	09/23/25 1718	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1718	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1534	09/23/25 1718	JAR
Chromium, total	0.0014	0.0010	mg/L		09/18/25 1534	09/23/25 1718	JAR
Cobalt, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1718	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1718	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1718	JAR
Nickel, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1718	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1718	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1718	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1718	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1718	JAR
Zinc, total	0.0142	0.0050	mg/L		09/18/25 1534	09/23/25 1718	JAR

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CERTIFICATE OF ANALYSIS

111428

Client Sample ID: MW-27 (b)
Sample Matrix: Aqueous
Lab Sample ID: 111428-03

Collected By: Whipple, Todd
Collection Date: 09/16/2025 11:05

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Bromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Chloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Acetone	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Chloroform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Benzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Dibromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Toluene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Xylenes, total	<2.0	2.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Styrene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Bromoform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF

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CERTIFICATE OF ANALYSIS

1111428

Client Sample ID: MW-27 (b)
Sample Matrix: Aqueous
Lab Sample ID: 1111428-03

Collected By: Whipple, Todd
Collection Date: 09/16/2025 11:05

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2011	RAF
Surrogate: Dibromofluoromethane	102	Limit: 57-128	% Rec		09/22/25 0000	09/22/25 2011	RAF
Surrogate: Dibromofluoromethane	102	Limit: 75-136	% Rec		09/22/25 0000	09/22/25 2011	RAF
Surrogate: 1,2-Dichloroethane-d4	98.8	Limit: 49-135	% Rec		09/22/25 0000	09/22/25 2011	RAF
Surrogate: 1,2-Dichloroethane-d4	98.8	Limit: 61-142	% Rec		09/22/25 0000	09/22/25 2011	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec		09/22/25 0000	09/22/25 2011	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec		09/22/25 0000	09/22/25 2011	RAF
Surrogate: 4-Bromofluorobenzene	96.5	Limit: 77-114	% Rec		09/22/25 0000	09/22/25 2011	RAF
Surrogate: 4-Bromofluorobenzene	96.5	Limit: 80-116	% Rec		09/22/25 0000	09/22/25 2011	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1726	JAR
Arsenic, total	0.0040	0.0020	mg/L		09/18/25 1534	09/23/25 1726	JAR
Barium, total	0.109	0.0010	mg/L		09/18/25 1534	09/23/25 1726	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1726	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1534	09/23/25 1726	JAR
Chromium, total	0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1726	JAR
Cobalt, total	0.0006	0.0005	mg/L		09/18/25 1534	09/23/25 1726	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1726	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1726	JAR
Nickel, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1726	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1726	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1726	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1726	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1726	JAR
Zinc, total	0.0072	0.0050	mg/L		09/18/25 1534	09/23/25 1726	JAR

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CERTIFICATE OF ANALYSIS

111428

Client Sample ID: MW-7 (b)
Sample Matrix: Aqueous
Lab Sample ID: 111428-04

Collected By: Whipple, Todd
Collection Date: 09/16/2025 11:26

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Bromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Chloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Acetone	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Chloroform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Benzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Dibromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Toluene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Xylenes, total	<2.0	2.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Styrene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Bromoform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF

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CERTIFICATE OF ANALYSIS

1111428

Client Sample ID: MW-7 (b)
Sample Matrix: Aqueous
Lab Sample ID: 1111428-04

Collected By: Whipple, Todd
Collection Date: 09/16/2025 11:26

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2034	RAF
Surrogate: Dibromofluoromethane	99.7	Limit: 57-128	% Rec		09/22/25 0000	09/22/25 2034	RAF
Surrogate: Dibromofluoromethane	99.7	Limit: 75-136	% Rec		09/22/25 0000	09/22/25 2034	RAF
Surrogate: 1,2-Dichloroethane-d4	97.9	Limit: 49-135	% Rec		09/22/25 0000	09/22/25 2034	RAF
Surrogate: 1,2-Dichloroethane-d4	97.9	Limit: 61-142	% Rec		09/22/25 0000	09/22/25 2034	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec		09/22/25 0000	09/22/25 2034	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec		09/22/25 0000	09/22/25 2034	RAF
Surrogate: 4-Bromofluorobenzene	93.1	Limit: 77-114	% Rec		09/22/25 0000	09/22/25 2034	RAF
Surrogate: 4-Bromofluorobenzene	93.1	Limit: 80-116	% Rec		09/22/25 0000	09/22/25 2034	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1728	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1728	JAR
Barium, total	0.173	0.0010	mg/L		09/18/25 1534	09/23/25 1728	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1728	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1534	09/23/25 1728	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1728	JAR
Cobalt, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1728	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1728	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1728	JAR
Nickel, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1728	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1728	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1728	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1728	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1728	JAR
Zinc, total	0.0085	0.0050	mg/L		09/18/25 1534	09/23/25 1728	JAR

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CERTIFICATE OF ANALYSIS

111428

Client Sample ID: MW-12
Sample Matrix: Aqueous
Lab Sample ID: 111428-05

Collected By: Whipple, Todd
Collection Date: 09/16/2025 13:06

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Bromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Chloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Acetone	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Chloroform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Benzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Dibromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Toluene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Xylenes, total	<2.0	2.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Styrene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Bromoform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF

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CERTIFICATE OF ANALYSIS

1111428

Client Sample ID: MW-12
Sample Matrix: Aqueous
Lab Sample ID: 1111428-05

Collected By: Whipple, Todd
Collection Date: 09/16/2025 13:06

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2057	RAF
Surrogate: Dibromofluoromethane	100	Limit: 57-128	% Rec		09/22/25 0000	09/22/25 2057	RAF
Surrogate: Dibromofluoromethane	100	Limit: 75-136	% Rec		09/22/25 0000	09/22/25 2057	RAF
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 49-135	% Rec		09/22/25 0000	09/22/25 2057	RAF
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 61-142	% Rec		09/22/25 0000	09/22/25 2057	RAF
Surrogate: Toluene-d8	103	Limit: 82-116	% Rec		09/22/25 0000	09/22/25 2057	RAF
Surrogate: Toluene-d8	103	Limit: 82-121	% Rec		09/22/25 0000	09/22/25 2057	RAF
Surrogate: 4-Bromofluorobenzene	94.6	Limit: 77-114	% Rec		09/22/25 0000	09/22/25 2057	RAF
Surrogate: 4-Bromofluorobenzene	94.6	Limit: 80-116	% Rec		09/22/25 0000	09/22/25 2057	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1731	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1731	JAR
Barium, total	0.121	0.0010	mg/L		09/18/25 1534	09/23/25 1731	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1731	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1534	09/23/25 1731	JAR
Chromium, total	0.0011	0.0010	mg/L		09/18/25 1534	09/23/25 1731	JAR
Cobalt, total	0.0009	0.0005	mg/L		09/18/25 1534	09/23/25 1731	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1731	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1731	JAR
Nickel, total	0.0195	0.0050	mg/L		09/18/25 1534	09/23/25 1731	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1731	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1731	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1731	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1731	JAR
Zinc, total	0.0123	0.0050	mg/L		09/18/25 1534	09/23/25 1731	JAR

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CERTIFICATE OF ANALYSIS

111428

Client Sample ID: MW-14
Sample Matrix: Aqueous
Lab Sample ID: 111428-06

Collected By: Whipple, Todd
Collection Date: 09/16/2025 12:53

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Bromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Chloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Acetone	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Chloroform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Benzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Dibromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Toluene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Xylenes, total	<2.0	2.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Styrene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Bromoform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF

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CERTIFICATE OF ANALYSIS

1111428

Client Sample ID: MW-14
Sample Matrix: Aqueous
Lab Sample ID: 1111428-06

Collected By: Whipple, Todd
Collection Date: 09/16/2025 12:53

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2120	RAF
Surrogate: Dibromofluoromethane	101	Limit: 57-128	% Rec		09/22/25 0000	09/22/25 2120	RAF
Surrogate: Dibromofluoromethane	101	Limit: 75-136	% Rec		09/22/25 0000	09/22/25 2120	RAF
Surrogate: 1,2-Dichloroethane-d4	103	Limit: 49-135	% Rec		09/22/25 0000	09/22/25 2120	RAF
Surrogate: 1,2-Dichloroethane-d4	103	Limit: 61-142	% Rec		09/22/25 0000	09/22/25 2120	RAF
Surrogate: Toluene-d8	101	Limit: 82-116	% Rec		09/22/25 0000	09/22/25 2120	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec		09/22/25 0000	09/22/25 2120	RAF
Surrogate: 4-Bromofluorobenzene	93.0	Limit: 77-114	% Rec		09/22/25 0000	09/22/25 2120	RAF
Surrogate: 4-Bromofluorobenzene	93.0	Limit: 80-116	% Rec		09/22/25 0000	09/22/25 2120	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1733	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1733	JAR
Barium, total	0.366	0.0010	mg/L		09/18/25 1534	09/23/25 1733	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1733	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1534	09/23/25 1733	JAR
Chromium, total	0.0011	0.0010	mg/L		09/18/25 1534	09/23/25 1733	JAR
Cobalt, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1733	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1733	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1733	JAR
Nickel, total	0.0059	0.0050	mg/L		09/18/25 1534	09/23/25 1733	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1733	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1733	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1733	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1733	JAR
Zinc, total	0.0311	0.0050	mg/L		09/18/25 1534	09/23/25 1733	JAR

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CERTIFICATE OF ANALYSIS

111428

Client Sample ID: MW-20
Sample Matrix: Aqueous
Lab Sample ID: 111428-07

Collected By: Whipple, Todd
Collection Date: 09/16/2025 12:33

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Bromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Chloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Acetone	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Carbon Disulfide	1.7	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Chloroform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Benzene	3.8	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Dibromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Toluene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Chlorobenzene	5.8	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Xylenes, total	<2.0	2.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Styrene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Bromoform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF

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CERTIFICATE OF ANALYSIS

1111428

Client Sample ID: MW-20
Sample Matrix: Aqueous
Lab Sample ID: 1111428-07

Collected By: Whipple, Todd
Collection Date: 09/16/2025 12:33

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
1,4-Dichlorobenzene	3.8	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2143	RAF
Surrogate: Dibromofluoromethane	102	Limit: 75-136	% Rec		09/22/25 0000	09/22/25 2143	RAF
Surrogate: Dibromofluoromethane	102	Limit: 57-128	% Rec		09/22/25 0000	09/22/25 2143	RAF
Surrogate: 1,2-Dichloroethane-d4	105	Limit: 49-135	% Rec		09/22/25 0000	09/22/25 2143	RAF
Surrogate: 1,2-Dichloroethane-d4	105	Limit: 61-142	% Rec		09/22/25 0000	09/22/25 2143	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec		09/22/25 0000	09/22/25 2143	RAF
Surrogate: Toluene-d8	101	Limit: 82-116	% Rec		09/22/25 0000	09/22/25 2143	RAF
Surrogate: 4-Bromofluorobenzene	96.3	Limit: 77-114	% Rec		09/22/25 0000	09/22/25 2143	RAF
Surrogate: 4-Bromofluorobenzene	96.3	Limit: 80-116	% Rec		09/22/25 0000	09/22/25 2143	RAF
Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 376.2							
Sulfide, total	<0.10	0.10	mg/L		09/23/25 1637	09/23/25 1706	AKK
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1736	JAR
Arsenic, total	0.0284	0.0020	mg/L		09/18/25 1534	09/23/25 1736	JAR
Barium, total	0.345	0.0010	mg/L		09/18/25 1534	09/23/25 1736	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1736	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1534	09/23/25 1736	JAR
Chromium, total	0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1736	JAR
Cobalt, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1736	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1736	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1736	JAR
Nickel, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1736	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1736	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1736	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1736	JAR
Vanadium, total	0.0025	0.0020	mg/L		09/18/25 1534	09/23/25 1736	JAR
Zinc, total	0.0053	0.0050	mg/L		09/18/25 1534	09/23/25 1736	JAR

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CERTIFICATE OF ANALYSIS

111428

Client Sample ID: AW-1
Sample Matrix: Aqueous
Lab Sample ID: 111428-08

Collected By: Whipple, Todd
Collection Date: 09/16/2025 13:33

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Bromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Chloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Acetone	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Chloroform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Benzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Dibromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Toluene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Xylenes, total	<2.0	2.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Styrene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Bromoform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF

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CERTIFICATE OF ANALYSIS

1111428

Client Sample ID: AW-1
Sample Matrix: Aqueous
Lab Sample ID: 1111428-08

Collected By: Whipple, Todd
Collection Date: 09/16/2025 13:33

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2205	RAF
Surrogate: Dibromofluoromethane	102	Limit: 75-136	% Rec		09/22/25 0000	09/22/25 2205	RAF
Surrogate: Dibromofluoromethane	102	Limit: 57-128	% Rec		09/22/25 0000	09/22/25 2205	RAF
Surrogate: 1,2-Dichloroethane-d4	104	Limit: 49-135	% Rec		09/22/25 0000	09/22/25 2205	RAF
Surrogate: 1,2-Dichloroethane-d4	104	Limit: 61-142	% Rec		09/22/25 0000	09/22/25 2205	RAF
Surrogate: Toluene-d8	104	Limit: 82-121	% Rec		09/22/25 0000	09/22/25 2205	RAF
Surrogate: Toluene-d8	104	Limit: 82-116	% Rec		09/22/25 0000	09/22/25 2205	RAF
Surrogate: 4-Bromofluorobenzene	88.8	Limit: 77-114	% Rec		09/22/25 0000	09/22/25 2205	RAF
Surrogate: 4-Bromofluorobenzene	88.8	Limit: 80-116	% Rec		09/22/25 0000	09/22/25 2205	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1738	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1738	JAR
Barium, total	0.356	0.0010	mg/L		09/18/25 1534	09/23/25 1738	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1738	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1534	09/23/25 1738	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1738	JAR
Cobalt, total	0.0049	0.0005	mg/L		09/18/25 1534	09/23/25 1738	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1738	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1738	JAR
Nickel, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1738	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1738	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1738	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1738	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1738	JAR
Zinc, total	0.0107	0.0050	mg/L		09/18/25 1534	09/23/25 1738	JAR

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CERTIFICATE OF ANALYSIS

111428

Client Sample ID: MW-24
Sample Matrix: Aqueous
Lab Sample ID: 111428-09

Collected By: Whipple, Todd
Collection Date: 09/16/2025 13:59

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Bromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Chloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Acetone	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Chloroform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Benzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Dibromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Toluene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Xylenes, total	<2.0	2.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Styrene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Bromoform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF

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CERTIFICATE OF ANALYSIS

1111428

Client Sample ID: MW-24
Sample Matrix: Aqueous
Lab Sample ID: 1111428-09

Collected By: Whipple, Todd
Collection Date: 09/16/2025 13:59

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2228	RAF
Surrogate: Dibromofluoromethane	100	Limit: 57-128	% Rec		09/22/25 0000	09/22/25 2228	RAF
Surrogate: Dibromofluoromethane	100	Limit: 75-136	% Rec		09/22/25 0000	09/22/25 2228	RAF
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 49-135	% Rec		09/22/25 0000	09/22/25 2228	RAF
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 61-142	% Rec		09/22/25 0000	09/22/25 2228	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec		09/22/25 0000	09/22/25 2228	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec		09/22/25 0000	09/22/25 2228	RAF
Surrogate: 4-Bromofluorobenzene	89.6	Limit: 77-114	% Rec		09/22/25 0000	09/22/25 2228	RAF
Surrogate: 4-Bromofluorobenzene	89.6	Limit: 80-116	% Rec		09/22/25 0000	09/22/25 2228	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1741	JAR
Arsenic, total	0.0055	0.0020	mg/L		09/18/25 1534	09/23/25 1741	JAR
Barium, total	0.419	0.0010	mg/L		09/18/25 1534	09/23/25 1741	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1741	JAR
Cadmium, total	0.0002	0.0002	mg/L		09/18/25 1534	09/23/25 1741	JAR
Chromium, total	0.0016	0.0010	mg/L		09/18/25 1534	09/23/25 1741	JAR
Cobalt, total	0.0092	0.0005	mg/L		09/18/25 1534	09/23/25 1741	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1741	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1741	JAR
Nickel, total	0.0318	0.0050	mg/L		09/18/25 1534	09/23/25 1741	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1741	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1741	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1741	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1741	JAR
Zinc, total	0.0189	0.0050	mg/L		09/18/25 1534	09/23/25 1741	JAR

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CERTIFICATE OF ANALYSIS

111428

Client Sample ID: MW-25
Sample Matrix: Aqueous
Lab Sample ID: 111428-10

Collected By: Whipple, Todd
Collection Date: 09/16/2025 14:30

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Bromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Chloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Acetone	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Chloroform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Benzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Dibromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Toluene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Xylenes, total	<2.0	2.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Styrene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Bromoform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF

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CERTIFICATE OF ANALYSIS

1111428

Client Sample ID: MW-25
Sample Matrix: Aqueous
Lab Sample ID: 1111428-10

Collected By: Whipple, Todd
Collection Date: 09/16/2025 14:30

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2251	RAF
Surrogate: Dibromofluoromethane	98.7	Limit: 57-128	% Rec		09/22/25 0000	09/22/25 2251	RAF
Surrogate: Dibromofluoromethane	98.7	Limit: 75-136	% Rec		09/22/25 0000	09/22/25 2251	RAF
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 61-142	% Rec		09/22/25 0000	09/22/25 2251	RAF
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 49-135	% Rec		09/22/25 0000	09/22/25 2251	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec		09/22/25 0000	09/22/25 2251	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec		09/22/25 0000	09/22/25 2251	RAF
Surrogate: 4-Bromofluorobenzene	91.7	Limit: 80-116	% Rec		09/22/25 0000	09/22/25 2251	RAF
Surrogate: 4-Bromofluorobenzene	91.7	Limit: 77-114	% Rec		09/22/25 0000	09/22/25 2251	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1743	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1743	JAR
Barium, total	0.0194	0.0010	mg/L		09/18/25 1534	09/23/25 1743	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1743	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1534	09/23/25 1743	JAR
Chromium, total	0.0014	0.0010	mg/L		09/18/25 1534	09/23/25 1743	JAR
Cobalt, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1743	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1743	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1743	JAR
Nickel, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1743	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1743	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1743	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1743	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1743	JAR
Zinc, total	0.0204	0.0050	mg/L		09/18/25 1534	09/23/25 1743	JAR

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CERTIFICATE OF ANALYSIS

111428

Client Sample ID: AW-2
Sample Matrix: Aqueous
Lab Sample ID: 111428-11

Collected By: Whipple, Todd
Collection Date: 09/16/2025 12:22

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Bromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Chloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Acetone	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Carbon Disulfide	2.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Chloroform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Benzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Dibromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Toluene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Xylenes, total	<2.0	2.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Styrene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Bromoform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF

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CERTIFICATE OF ANALYSIS

111428

Client Sample ID: AW-2
Sample Matrix: Aqueous
Lab Sample ID: 111428-11

Collected By: Whipple, Todd
Collection Date: 09/16/2025 12:22

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2314	RAF
Surrogate: Dibromofluoromethane	100	Limit: 57-128	% Rec		09/22/25 0000	09/22/25 2314	RAF
Surrogate: Dibromofluoromethane	100	Limit: 75-136	% Rec		09/22/25 0000	09/22/25 2314	RAF
Surrogate: 1,2-Dichloroethane-d4	106	Limit: 49-135	% Rec		09/22/25 0000	09/22/25 2314	RAF
Surrogate: 1,2-Dichloroethane-d4	106	Limit: 61-142	% Rec		09/22/25 0000	09/22/25 2314	RAF
Surrogate: Toluene-d8	99.4	Limit: 82-116	% Rec		09/22/25 0000	09/22/25 2314	RAF
Surrogate: Toluene-d8	99.4	Limit: 82-121	% Rec		09/22/25 0000	09/22/25 2314	RAF
Surrogate: 4-Bromofluorobenzene	93.2	Limit: 77-114	% Rec		09/22/25 0000	09/22/25 2314	RAF
Surrogate: 4-Bromofluorobenzene	93.2	Limit: 80-116	% Rec		09/22/25 0000	09/22/25 2314	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1746	JAR
Arsenic, total	0.0687	0.0020	mg/L		09/18/25 1534	09/23/25 1746	JAR
Barium, total	0.148	0.0010	mg/L		09/18/25 1534	09/23/25 1746	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1746	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1534	09/23/25 1746	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1746	JAR
Cobalt, total	0.0088	0.0005	mg/L		09/18/25 1534	09/23/25 1746	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1746	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1746	JAR
Nickel, total	0.0062	0.0050	mg/L		09/18/25 1534	09/23/25 1746	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1746	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1746	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1746	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1746	JAR
Zinc, total	0.0165	0.0050	mg/L		09/18/25 1534	09/23/25 1746	JAR

Client Sample ID: AW-9
Sample Matrix: Aqueous
Lab Sample ID: 111428-12

Collected By: Whipple, Todd
Collection Date: 09/16/2025 12:03

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1748	JAR
Cobalt, total	0.0033	0.0005	mg/L		09/18/25 1534	09/23/25 1748	JAR

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CERTIFICATE OF ANALYSIS

111428

Client Sample ID: AW-3
Sample Matrix: Aqueous
Lab Sample ID: 111428-13

Collected By: Whipple, Todd
Collection Date: 09/16/2025 11:42

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Bromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Chloroethane	3.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Acetone	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
cis-1,2-Dichloroethylene	1.2	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Chloroform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Benzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Dibromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Toluene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Xylenes, total	<2.0	2.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Styrene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Bromoform	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF

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1111428

Client Sample ID: AW-3
Sample Matrix: Aqueous
Lab Sample ID: 1111428-13

Collected By: Whipple, Todd
Collection Date: 09/16/2025 11:42

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
1,4-Dichlorobenzene	3.1	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/22/25 0000	09/22/25 2337	RAF
Surrogate: Dibromofluoromethane	97.2	Limit: 57-128	% Rec		09/22/25 0000	09/22/25 2337	RAF
Surrogate: Dibromofluoromethane	97.2	Limit: 75-136	% Rec		09/22/25 0000	09/22/25 2337	RAF
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 61-142	% Rec		09/22/25 0000	09/22/25 2337	RAF
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 49-135	% Rec		09/22/25 0000	09/22/25 2337	RAF
Surrogate: Toluene-d8	99.8	Limit: 82-116	% Rec		09/22/25 0000	09/22/25 2337	RAF
Surrogate: Toluene-d8	99.8	Limit: 82-121	% Rec		09/22/25 0000	09/22/25 2337	RAF
Surrogate: 4-Bromofluorobenzene	91.4	Limit: 77-114	% Rec		09/22/25 0000	09/22/25 2337	RAF
Surrogate: 4-Bromofluorobenzene	91.4	Limit: 80-116	% Rec		09/22/25 0000	09/22/25 2337	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1756	JAR
Arsenic, total	0.0363	0.0020	mg/L		09/18/25 1534	09/23/25 1756	JAR
Barium, total	0.366	0.0010	mg/L		09/18/25 1534	09/23/25 1756	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1756	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1534	09/23/25 1756	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1756	JAR
Cobalt, total	0.0007	0.0005	mg/L		09/18/25 1534	09/23/25 1756	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1756	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1756	JAR
Nickel, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1756	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1756	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1756	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1756	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1756	JAR
Zinc, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1756	JAR

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CERTIFICATE OF ANALYSIS

111428

Client Sample ID: Duplicate
Sample Matrix: Aqueous
Lab Sample ID: 111428-14

Collected By: Whipple, Todd
Collection Date: 09/16/2025

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1759	JAR
Arsenic, total	0.0340	0.0020	mg/L		09/18/25 1534	09/23/25 1759	JAR
Barium, total	0.341	0.0010	mg/L		09/18/25 1534	09/23/25 1759	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1759	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1534	09/23/25 1759	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1759	JAR
Cobalt, total	0.0006	0.0005	mg/L		09/18/25 1534	09/23/25 1759	JAR
Copper, total	0.0121	0.0050	mg/L		09/30/25 1435	10/01/25 2040	RVV
Lead, total	0.0015	0.0010	mg/L		09/30/25 1435	10/01/25 2040	RVV
Nickel, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1759	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1759	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1759	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1759	JAR
Vanadium, total	0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1759	JAR
Zinc, total	0.0084	0.0050	mg/L		09/30/25 1435	10/01/25 2040	RVV

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CERTIFICATE OF ANALYSIS

111428

Client Sample ID: MW-41
Sample Matrix: Aqueous
Lab Sample ID: 111428-15

Collected By: Whipple, Todd
Collection Date: 09/16/2025 14:17

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Bromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Chloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Acetone	<10.0	10.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Chloroform	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Benzene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Dibromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Toluene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Xylenes, total	<2.0	2.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Styrene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Bromoform	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF

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1111428

Client Sample ID: MW-41
Sample Matrix: Aqueous
Lab Sample ID: 1111428-15

Collected By: Whipple, Todd
Collection Date: 09/16/2025 14:17

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/22/25 0000	09/23/25 0000	RAF
Surrogate: Dibromofluoromethane	97.3	Limit: 57-128	% Rec		09/22/25 0000	09/23/25 0000	RAF
Surrogate: Dibromofluoromethane	97.3	Limit: 75-136	% Rec		09/22/25 0000	09/23/25 0000	RAF
Surrogate: 1,2-Dichloroethane-d4	97.8	Limit: 49-135	% Rec		09/22/25 0000	09/23/25 0000	RAF
Surrogate: 1,2-Dichloroethane-d4	97.8	Limit: 61-142	% Rec		09/22/25 0000	09/23/25 0000	RAF
Surrogate: Toluene-d8	102	Limit: 82-116	% Rec		09/22/25 0000	09/23/25 0000	RAF
Surrogate: Toluene-d8	102	Limit: 82-121	% Rec		09/22/25 0000	09/23/25 0000	RAF
Surrogate: 4-Bromofluorobenzene	93.8	Limit: 77-114	% Rec		09/22/25 0000	09/23/25 0000	RAF
Surrogate: 4-Bromofluorobenzene	93.8	Limit: 80-116	% Rec		09/22/25 0000	09/23/25 0000	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1801	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1801	JAR
Barium, total	0.361	0.0010	mg/L		09/18/25 1534	09/23/25 1801	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1801	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1534	09/23/25 1801	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1801	JAR
Cobalt, total	0.0017	0.0005	mg/L		09/18/25 1534	09/23/25 1801	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1801	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1801	JAR
Nickel, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1801	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1801	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1801	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1801	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1801	JAR
Zinc, total	0.0154	0.0050	mg/L		09/18/25 1534	09/23/25 1801	JAR

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CERTIFICATE OF ANALYSIS

111428

Client Sample ID: GU-L
Sample Matrix: Aqueous
Lab Sample ID: 111428-16

Collected By: Whipple, Todd
Collection Date: 09/16/2025 13:15

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 8260D							
Chloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Vinyl Chloride	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Bromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Chloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Trichlorofluoromethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
1,1-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Acetone	<10.0	10.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Methyl Iodide	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Carbon Disulfide	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Methylene Chloride	<5.0	5.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Acrylonitrile	<5.0	5.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
1,1-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Vinyl Acetate	<5.0	5.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
2-Butanone (MEK)	<10.0	10.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Bromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Chloroform	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
1,1,1-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Carbon Tetrachloride	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Benzene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
1,2-Dichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Trichloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
1,2-Dichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Dibromomethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Bromodichloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Toluene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
1,1,2-Trichloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Tetrachloroethylene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
2-Hexanone (MBK)	<5.0	5.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Dibromochloromethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
1,2-Dibromoethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Chlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Ethylbenzene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Xylenes, total	<2.0	2.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Styrene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Bromoform	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
1,2,3-Trichloropropane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF

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CERTIFICATE OF ANALYSIS

1111428

Client Sample ID: GU-L
Sample Matrix: Aqueous
Lab Sample ID: 1111428-16

Collected By: Whipple, Todd
Collection Date: 09/16/2025 13:15

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
1,4-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
1,2-Dichlorobenzene	<1.0	1.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
1,2-Dibromo-3-chloropropane	<5.0	5.0	ug/L		09/22/25 0000	09/23/25 0023	RAF
Surrogate: Dibromofluoromethane	97.5	Limit: 75-136	% Rec		09/22/25 0000	09/23/25 0023	RAF
Surrogate: Dibromofluoromethane	97.5	Limit: 57-128	% Rec		09/22/25 0000	09/23/25 0023	RAF
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 61-142	% Rec		09/22/25 0000	09/23/25 0023	RAF
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 49-135	% Rec		09/22/25 0000	09/23/25 0023	RAF
Surrogate: Toluene-d8	101	Limit: 82-121	% Rec		09/22/25 0000	09/23/25 0023	RAF
Surrogate: Toluene-d8	101	Limit: 82-116	% Rec		09/22/25 0000	09/23/25 0023	RAF
Surrogate: 4-Bromofluorobenzene	90.9	Limit: 77-114	% Rec		09/22/25 0000	09/23/25 0023	RAF
Surrogate: 4-Bromofluorobenzene	90.9	Limit: 80-116	% Rec		09/22/25 0000	09/23/25 0023	RAF

Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 3005A/EPA 6020A							
Antimony, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1804	JAR
Arsenic, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1804	JAR
Barium, total	0.104	0.0010	mg/L		09/18/25 1534	09/23/25 1804	JAR
Beryllium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1804	JAR
Cadmium, total	<0.0002	0.0002	mg/L		09/18/25 1534	09/23/25 1804	JAR
Chromium, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1804	JAR
Cobalt, total	0.0011	0.0005	mg/L		09/18/25 1534	09/23/25 1804	JAR
Copper, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1804	JAR
Lead, total	<0.0010	0.0010	mg/L		09/18/25 1534	09/23/25 1804	JAR
Nickel, total	0.0340	0.0050	mg/L		09/18/25 1534	09/23/25 1804	JAR
Selenium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1804	JAR
Silver, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1804	JAR
Thallium, total	<0.0005	0.0005	mg/L		09/18/25 1534	09/23/25 1804	JAR
Vanadium, total	<0.0020	0.0020	mg/L		09/18/25 1534	09/23/25 1804	JAR
Zinc, total	<0.0050	0.0050	mg/L		09/18/25 1534	09/23/25 1804	JAR

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CERTIFICATE OF ANALYSIS

111428

Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1111139	1111139-BLK1	
		1111139-BS1	
		111428-01	MW-6 (b)
		1111139-MS1	111428-01
		1111139-MSD1	111428-01
		1111139-PS1	111428-01
		111428-02	MW-26 (b)
		111428-03	MW-27 (b)
		111428-04	MW-7 (b)
		111428-05	MW-12
		111428-06	MW-14
		111428-07	MW-20
		111428-08	AW-1
		111428-09	MW-24
		111428-10	MW-25
		111428-11	AW-2
		111428-12	AW-9
		111428-13	AW-3
		111428-14	Duplicate
		111428-15	MW-41
		111428-16	GU-L
Method	Batch	Laboratory ID	Client / Source ID
EPA 8260D	1111314	1111314-BS1	
		1111314-BSD1	
		1111314-BLK1	
		111428-01	MW-6 (b)
		111428-02	MW-26 (b)
		111428-03	MW-27 (b)
		111428-04	MW-7 (b)
		111428-05	MW-12
		111428-06	MW-14
		111428-07	MW-20
		111428-08	AW-1
		111428-09	MW-24
		111428-10	MW-25
		111428-11	AW-2
		111428-13	AW-3
		111428-15	MW-41
		111428-16	GU-L
		1111314-MS1	111428-01
		1111314-MSD1	111428-01
Method	Batch	Laboratory ID	Client / Source ID
EPA 376.2	1111374	1111374-BLK1	
		1111374-BS1	
		1111374-MS1	111428-07
		1111374-MSD1	111428-07
		111428-07	MW-20
Method	Batch	Laboratory ID	Client / Source ID

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CERTIFICATE OF ANALYSIS

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Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1111537	1111537-BLK1	
		1111537-BS1	
		1111537-MS1	1111940-02
		1111537-MSD1	1111940-02
		1111537-PS1	1111940-02
Method	Batch	Laboratory ID	Client / Source ID
EPA 6020A	1111723	1111723-BLK1	
		1111723-BS1	
		1111723-MS1	1110763-14RE1
		1111723-MSD1	1110763-14RE1
		1111723-PS1	1110763-14RE1
		1111428-14RE1	Duplicate
		1111428-14RE1	Duplicate

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 1111314 - EPA 5030B - EPA 8260D										
Blank (1111314-BLK1)				Prepared: 09/22/25 00:00 Analyzed: 09/22/25 18:40						
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							

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CERTIFICATE OF ANALYSIS

1111428

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1111314 - EPA 5030B - EPA 8260D										
Blank (1111314-BLK1)										
Prepared: 09/22/25 00:00 Analyzed: 09/22/25 18:40										
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	49.7		ug/L	50.2		99.0	57-128			
Surrogate: Dibromofluoromethane	49.7		ug/L	50.2		99.0	75-136			
Surrogate: 1,2-Dichloroethane-d4	50.7		ug/L	50.4		101	49-135			
Surrogate: 1,2-Dichloroethane-d4	50.7		ug/L	50.4		101	61-142			
Surrogate: Toluene-d8	53.8		ug/L	50.5		107	82-116			
Surrogate: Toluene-d8	53.8		ug/L	50.5		107	82-121			
Surrogate: 4-Bromofluorobenzene	47.8		ug/L	50.2		95.2	77-114			
Surrogate: 4-Bromofluorobenzene	47.8		ug/L	50.2		95.2	80-116			
LCS (1111314-BS1)										
Prepared: 09/22/25 00:00 Analyzed: 09/22/25 17:32										
Chloromethane	27.30	1.0	ug/L	30.3		90.0	63-155			
Vinyl Chloride	28.09	1.0	ug/L	30.2		92.9	70-154			
Bromomethane	25.26	1.0	ug/L	30.1		83.9	52-176			
Chloroethane	27.62	1.0	ug/L	30.3		91.1	72-148			
Trichlorofluoromethane	34.90	1.0	ug/L	30.3		115	70-152			
1,1-Dichloroethylene	61.21	1.0	ug/L	50.1		122	70-148			
Acetone	96.37	10.0	ug/L	100		96.4	43-172			
Methyl Iodide	103.6	1.0	ug/L	100		104	69-170			
Carbon Disulfide	113.9	1.0	ug/L	100		114	72-162			
Methylene Chloride	54.51	5.0	ug/L	50.1		109	68-142			
Acrylonitrile	104.6	5.0	ug/L	50.4		208	33-163			Q2
trans-1,2-Dichloroethylene	54.26	1.0	ug/L	50.1		108	66-148			
1,1-Dichloroethane	56.91	1.0	ug/L	50.1		114	66-143			
Vinyl Acetate	77.12	5.0	ug/L	50.0		154	43-153			Q2

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CERTIFICATE OF ANALYSIS

11I1428

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1314 - EPA 5030B - EPA 8260D										

LCS (11I1314-BS1)

Prepared: 09/22/25 00:00 Analyzed: 09/22/25 17:32

cis-1,2-Dichloroethylene	53.53	1.0	ug/L	50.4	106	71-149
2-Butanone (MEK)	119.2	10.0	ug/L	100	119	52-159
Bromochloromethane	54.97	1.0	ug/L	50.4	109	69-143
Chloroform	53.36	1.0	ug/L	50.1	107	69-144
1,1,1-Trichloroethane	56.25	1.0	ug/L	50.1	112	62-129
Carbon Tetrachloride	52.33	1.0	ug/L	50.1	104	63-141
Benzene	54.12	1.0	ug/L	50.4	107	71-134
1,2-Dichloroethane	53.74	1.0	ug/L	50.1	107	72-132
Trichloroethylene	57.45	1.0	ug/L	50.1	115	71-135
1,2-Dichloropropane	54.73	1.0	ug/L	50.1	109	69-136
Dibromomethane	50.20	1.0	ug/L	50.4	99.7	73-147
Bromodichloromethane	54.02	1.0	ug/L	50.1	108	68-129
cis-1,3-Dichloropropene	59.10	1.0	ug/L	50.1	118	65-134
4-Methyl-2-pentanone (MIBK)	115.7	5.0	ug/L	100	116	58-147
Toluene	53.18	1.0	ug/L	50.5	105	72-133
trans-1,3-Dichloropropene	59.67	1.0	ug/L	50.1	119	67-130
1,1,2-Trichloroethane	51.60	1.0	ug/L	50.1	103	69-135
Tetrachloroethylene	60.10	1.0	ug/L	50.1	120	69-130
2-Hexanone (MBK)	112.8	5.0	ug/L	100	113	55-144
Dibromochloromethane	55.79	1.0	ug/L	50.1	111	73-127
1,2-Dibromoethane	57.17	1.0	ug/L	50.2	114	67-132
Chlorobenzene	53.82	1.0	ug/L	50.1	107	72-123
1,1,1,2-Tetrachloroethane	57.56	1.0	ug/L	50.3	114	73-127
Ethylbenzene	54.85	1.0	ug/L	50.2	109	71-127
Xylenes, total	164.9	2.0	ug/L	151	109	74-127
Styrene	56.98	1.0	ug/L	50.4	113	66-126
Bromoform	62.27	1.0	ug/L	50.1	124	68-130
1,2,3-Trichloropropane	56.30	1.0	ug/L	50.3	112	63-136
trans-1,4-Dichloro-2-butene	121.2	5.0	ug/L	100	121	54-134
1,1,2,2-Tetrachloroethane	49.57	1.0	ug/L	50.1	98.9	61-131
1,4-Dichlorobenzene	50.50	1.0	ug/L	50.1	101	70-129
1,2-Dichlorobenzene	53.04	1.0	ug/L	50.1	106	69-126
1,2-Dibromo-3-chloropropane	56.93	5.0	ug/L	50.1	114	50-143

Surrogate: Dibromofluoromethane	53.4	ug/L	50.2	106	57-128
Surrogate: Dibromofluoromethane	53.4	ug/L	50.2	106	75-136
Surrogate: 1,2-Dichloroethane-d4	53.3	ug/L	50.4	106	49-135
Surrogate: 1,2-Dichloroethane-d4	53.3	ug/L	50.4	106	61-142
Surrogate: Toluene-d8	52.7	ug/L	50.5	104	82-116
Surrogate: Toluene-d8	52.7	ug/L	50.5	104	82-121
Surrogate: 4-Bromofluorobenzene	51.4	ug/L	50.2	102	77-114
Surrogate: 4-Bromofluorobenzene	51.4	ug/L	50.2	102	80-116

LCS Dup (11I1314-BSD1)

Prepared: 09/22/25 00:00 Analyzed: 09/22/25 17:55

Chloromethane	32.89	1.0	ug/L	30.3	108	63-155	18.6	24

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CERTIFICATE OF ANALYSIS

111428

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1111314 - EPA 5030B - EPA 8260D										
LCS Dup (1111314-BSD1)				Prepared: 09/22/25 00:00 Analyzed: 09/22/25 17:55						
Vinyl Chloride	32.57	1.0	ug/L	30.2		108	70-154	14.8	25	
Bromomethane	24.45	1.0	ug/L	30.1		81.2	52-176	3.26	27	
Chloroethane	28.08	1.0	ug/L	30.3		92.6	72-148	1.65	25	
Trichlorofluoromethane	33.25	1.0	ug/L	30.3		110	70-152	4.84	26	
1,1-Dichloroethylene	57.90	1.0	ug/L	50.1		116	70-148	5.56	24	
Acetone	99.14	10.0	ug/L	100		99.1	43-172	2.83	30	
Methyl Iodide	104.1	1.0	ug/L	100		104	69-170	0.414	30	
Carbon Disulfide	114.2	1.0	ug/L	100		114	72-162	0.272	24	
Methylene Chloride	52.57	5.0	ug/L	50.1		105	68-142	3.62	21	
Acrylonitrile	103.6	5.0	ug/L	50.4		206	33-163	0.980	28	Q2
trans-1,2-Dichloroethylene	53.41	1.0	ug/L	50.1		107	66-148	1.58	27	
1,1-Dichloroethane	55.29	1.0	ug/L	50.1		110	66-143	2.89	24	
Vinyl Acetate	65.70	5.0	ug/L	50.0		131	43-153	16.0	30	
cis-1,2-Dichloroethylene	49.45	1.0	ug/L	50.4		98.2	71-149	7.92	26	
2-Butanone (MEK)	112.8	10.0	ug/L	100		113	52-159	5.45	27	
Bromochloromethane	53.16	1.0	ug/L	50.4		105	69-143	3.35	23	
Chloroform	52.95	1.0	ug/L	50.1		106	69-144	0.771	23	
1,1,1-Trichloroethane	53.70	1.0	ug/L	50.1		107	62-129	4.64	24	
Carbon Tetrachloride	49.11	1.0	ug/L	50.1		98.0	63-141	6.35	25	
Benzene	52.88	1.0	ug/L	50.4		105	71-134	2.32	24	
1,2-Dichloroethane	53.32	1.0	ug/L	50.1		106	72-132	0.785	24	
Trichloroethylene	54.07	1.0	ug/L	50.1		108	71-135	6.06	24	
1,2-Dichloropropane	57.54	1.0	ug/L	50.1		115	69-136	5.01	24	
Dibromomethane	52.17	1.0	ug/L	50.4		104	73-147	3.85	25	
Bromodichloromethane	55.16	1.0	ug/L	50.1		110	68-129	2.09	22	
cis-1,3-Dichloropropene	57.81	1.0	ug/L	50.1		115	65-134	2.21	23	
4-Methyl-2-pentanone (MIBK)	116.9	5.0	ug/L	100		117	58-147	1.03	27	
Toluene	51.55	1.0	ug/L	50.5		102	72-133	3.11	24	
trans-1,3-Dichloropropene	59.41	1.0	ug/L	50.1		119	67-130	0.437	24	
1,1,2-Trichloroethane	52.31	1.0	ug/L	50.1		104	69-135	1.37	23	
Tetrachloroethylene	55.05	1.0	ug/L	50.1		110	69-130	8.77	25	
2-Hexanone (MBK)	109.8	5.0	ug/L	100		110	55-144	2.69	25	
Dibromochloromethane	54.15	1.0	ug/L	50.1		108	73-127	2.98	22	
1,2-Dibromoethane	54.56	1.0	ug/L	50.2		109	67-132	4.67	24	
Chlorobenzene	52.02	1.0	ug/L	50.1		104	72-123	3.40	23	
1,1,1,2-Tetrachloroethane	53.94	1.0	ug/L	50.3		107	73-127	6.49	24	
Ethylbenzene	52.45	1.0	ug/L	50.2		105	71-127	4.47	26	
Xylenes, total	155.5	2.0	ug/L	151		103	74-127	5.87	25	
Styrene	54.06	1.0	ug/L	50.4		107	66-126	5.26	23	
Bromoform	61.30	1.0	ug/L	50.1		122	68-130	1.57	23	
1,2,3-Trichloropropane	54.15	1.0	ug/L	50.3		108	63-136	3.89	24	
trans-1,4-Dichloro-2-butene	118.7	5.0	ug/L	100		119	54-134	2.15	27	
1,1,2,2-Tetrachloroethane	48.78	1.0	ug/L	50.1		97.4	61-131	1.61	29	

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CERTIFICATE OF ANALYSIS

11I1428

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1314 - EPA 5030B - EPA 8260D										
LCS Dup (11I1314-BSD1)										
				Prepared: 09/22/25 00:00 Analyzed: 09/22/25 17:55						
1,4-Dichlorobenzene	47.52	1.0	ug/L	50.1		94.8	70-129	6.08	24	
1,2-Dichlorobenzene	51.48	1.0	ug/L	50.1		103	69-126	2.99	26	
1,2-Dibromo-3-chloropropane	55.59	5.0	ug/L	50.1		111	50-143	2.38	30	
Surrogate: Dibromofluoromethane	53.3		ug/L	50.2		106	57-128			
Surrogate: Dibromofluoromethane	53.3		ug/L	50.2		106	75-136			
Surrogate: 1,2-Dichloroethane-d4	52.8		ug/L	50.4		105	49-135			
Surrogate: 1,2-Dichloroethane-d4	52.8		ug/L	50.4		105	61-142			
Surrogate: Toluene-d8	52.0		ug/L	50.5		103	82-116			
Surrogate: Toluene-d8	52.0		ug/L	50.5		103	82-121			
Surrogate: 4-Bromofluorobenzene	51.7		ug/L	50.2		103	77-114			
Surrogate: 4-Bromofluorobenzene	51.7		ug/L	50.2		103	80-116			
Matrix Spike (11I1314-MS1)										
			Source: 11I1428-01		Prepared: 09/22/25 00:00 Analyzed: 09/23/25 00:46					
Chloromethane	466.6	10.0	ug/L	303	ND	154	61-152			M1
Vinyl Chloride	347.7	10.0	ug/L	302	ND	115	66-149			
Bromomethane	221.9	10.0	ug/L	301	ND	73.7	43-171			
Chloroethane	247.6	10.0	ug/L	303	ND	81.7	69-148			
Trichlorofluoromethane	308.2	10.0	ug/L	303	ND	102	62-163			
1,1-Dichloroethylene	516.5	10.0	ug/L	501	ND	103	70-148			
Acetone	883.4	100	ug/L	1000	ND	88.3	45-173			
Methyl Iodide	807.7	10.0	ug/L	1000	ND	80.8	62-167			
Carbon Disulfide	1017	10.0	ug/L	1000	ND	102	71-163			
Methylene Chloride	477.7	50.0	ug/L	501	ND	95.3	69-140			
Acrylonitrile	870.7	50.0	ug/L	504	ND	173	32-159			M1
trans-1,2-Dichloroethylene	496.7	10.0	ug/L	501	ND	99.2	69-144			
1,1-Dichloroethane	496.3	10.0	ug/L	501	ND	99.1	70-138			
Vinyl Acetate	651.3	50.0	ug/L	500	ND	130	58-142			
cis-1,2-Dichloroethylene	438.5	10.0	ug/L	504	ND	87.1	68-151			
2-Butanone (MEK)	996.0	100	ug/L	1000	ND	99.6	50-160			
Bromochloromethane	485.8	10.0	ug/L	504	ND	96.4	65-143			
Chloroform	463.6	10.0	ug/L	501	ND	92.6	71-143			
1,1,1-Trichloroethane	495.0	10.0	ug/L	501	ND	98.8	63-133			
Carbon Tetrachloride	448.6	10.0	ug/L	501	ND	89.6	63-142			
Benzene	518.5	10.0	ug/L	504	ND	103	69-133			
1,2-Dichloroethane	519.5	10.0	ug/L	501	ND	104	63-138			
Trichloroethylene	528.6	10.0	ug/L	501	ND	106	71-133			
1,2-Dichloropropane	514.8	10.0	ug/L	501	ND	103	69-132			
Dibromomethane	486.9	10.0	ug/L	504	ND	96.7	70-147			
Bromodichloromethane	496.4	10.0	ug/L	501	ND	99.1	67-130			
cis-1,3-Dichloropropene	535.0	10.0	ug/L	501	ND	107	61-126			
4-Methyl-2-pentanone (MIBK)	1058	50.0	ug/L	1000	ND	106	55-147			
Toluene	512.5	10.0	ug/L	505	ND	102	71-133			
trans-1,3-Dichloropropene	540.7	10.0	ug/L	501	ND	108	63-124			
1,1,2-Trichloroethane	496.5	10.0	ug/L	501	ND	99.1	69-133			

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1111314 - EPA 5030B - EPA 8260D										
Matrix Spike (1111314-MS1)	Source: 1111428-01			Prepared: 09/22/25 00:00 Analyzed: 09/23/25 00:46						
Tetrachloroethylene	556.9	10.0	ug/L	501	ND	111	70-124			
2-Hexanone (MBK)	1023	50.0	ug/L	1000	ND	102	53-141			
Dibromochloromethane	499.1	10.0	ug/L	501	ND	99.7	74-122			
1,2-Dibromoethane	517.4	10.0	ug/L	502	ND	103	66-127			
Chlorobenzene	518.6	10.0	ug/L	501	ND	104	76-116			
1,1,1,2-Tetrachloroethane	538.6	10.0	ug/L	503	ND	107	77-121			
Ethylbenzene	523.6	10.0	ug/L	502	ND	104	73-124			
Xylenes, total	1591	20.0	ug/L	1510	ND	105	75-123			
Styrene	547.9	10.0	ug/L	504	ND	109	70-120			
Bromoform	593.7	10.0	ug/L	501	ND	118	70-124			
1,2,3-Trichloropropane	539.9	10.0	ug/L	503	ND	107	62-135			
trans-1,4-Dichloro-2-butene	1029	50.0	ug/L	1000	ND	103	50-120			
1,1,2,2-Tetrachloroethane	478.9	10.0	ug/L	501	ND	95.6	63-126			
1,4-Dichlorobenzene	473.3	10.0	ug/L	501	ND	94.4	72-119			
1,2-Dichlorobenzene	507.3	10.0	ug/L	501	ND	101	71-117			
1,2-Dibromo-3-chloropropane	513.3	50.0	ug/L	501	ND	102	49-134			
Surrogate: Dibromofluoromethane	487		ug/L	502		97.0	75-136			
Surrogate: Dibromofluoromethane	487		ug/L	502		97.0	57-128			
Surrogate: 1,2-Dichloroethane-d4	487		ug/L	504		96.7	61-142			
Surrogate: 1,2-Dichloroethane-d4	487		ug/L	504		96.7	49-135			
Surrogate: Toluene-d8	518		ug/L	505		103	82-121			
Surrogate: Toluene-d8	518		ug/L	505		103	82-116			
Surrogate: 4-Bromofluorobenzene	521		ug/L	502		104	80-116			
Surrogate: 4-Bromofluorobenzene	521		ug/L	502		104	77-114			
Matrix Spike Dup (1111314-MSD1)	Source: 1111428-01			Prepared: 09/22/25 00:00 Analyzed: 09/23/25 01:09						
Chloromethane	476.4	10.0	ug/L	303	ND	157	61-152	2.08	26	M1
Vinyl Chloride	347.8	10.0	ug/L	302	ND	115	66-149	0.0287	23	
Bromomethane	196.2	10.0	ug/L	301	ND	65.1	43-171	12.3	29	
Chloroethane	241.9	10.0	ug/L	303	ND	79.8	69-148	2.33	25	
Trichlorofluoromethane	294.9	10.0	ug/L	303	ND	97.3	62-163	4.41	25	
1,1-Dichloroethylene	497.6	10.0	ug/L	501	ND	99.3	70-148	3.73	22	
Acetone	901.5	100	ug/L	1000	ND	90.2	45-173	2.03	30	
Methyl Iodide	847.7	10.0	ug/L	1000	ND	84.8	62-167	4.83	24	
Carbon Disulfide	995.2	10.0	ug/L	1000	ND	99.5	71-163	2.21	22	
Methylene Chloride	452.0	50.0	ug/L	501	ND	90.2	69-140	5.53	19	
Acrylonitrile	907.4	50.0	ug/L	504	ND	180	32-159	4.13	30	M1
trans-1,2-Dichloroethylene	489.5	10.0	ug/L	501	ND	97.7	69-144	1.46	22	
1,1-Dichloroethane	492.1	10.0	ug/L	501	ND	98.2	70-138	0.850	20	
Vinyl Acetate	636.2	50.0	ug/L	500	ND	127	58-142	2.35	24	
cis-1,2-Dichloroethylene	455.9	10.0	ug/L	504	ND	90.5	68-151	3.89	22	
2-Butanone (MEK)	1044	100	ug/L	1000	ND	104	50-160	4.74	23	
Bromochloromethane	488.4	10.0	ug/L	504	ND	96.9	65-143	0.534	22	
Chloroform	462.0	10.0	ug/L	501	ND	92.2	71-143	0.346	21	

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1111428

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1111314 - EPA 5030B - EPA 8260D										
Matrix Spike Dup (1111314-MSD1)	Source: 1111428-01			Prepared: 09/22/25 00:00 Analyzed: 09/23/25 01:09						
1,1,1-Trichloroethane	476.9	10.0	ug/L	501	ND	95.2	63-133	3.72	23	
Carbon Tetrachloride	435.3	10.0	ug/L	501	ND	86.9	63-142	3.01	22	
Benzene	494.4	10.0	ug/L	504	ND	98.0	69-133	4.76	18	
1,2-Dichloroethane	495.3	10.0	ug/L	501	ND	98.9	63-138	4.77	20	
Trichloroethylene	481.7	10.0	ug/L	501	ND	96.2	71-133	9.28	23	
1,2-Dichloropropane	506.6	10.0	ug/L	501	ND	101	69-132	1.61	20	
Dibromomethane	487.1	10.0	ug/L	504	ND	96.7	70-147	0.0411	22	
Bromodichloromethane	493.7	10.0	ug/L	501	ND	98.6	67-130	0.545	21	
cis-1,3-Dichloropropene	524.1	10.0	ug/L	501	ND	105	61-126	2.06	21	
4-Methyl-2-pentanone (MIBK)	1027	50.0	ug/L	1000	ND	103	55-147	2.97	23	
Toluene	486.9	10.0	ug/L	505	ND	96.5	71-133	5.12	19	
trans-1,3-Dichloropropene	522.6	10.0	ug/L	501	ND	104	63-124	3.40	21	
1,1,2-Trichloroethane	493.6	10.0	ug/L	501	ND	98.5	69-133	0.586	19	
Tetrachloroethylene	539.2	10.0	ug/L	501	ND	108	70-124	3.23	24	
2-Hexanone (MBK)	1009	50.0	ug/L	1000	ND	101	53-141	1.34	24	
Dibromochloromethane	495.4	10.0	ug/L	501	ND	98.9	74-122	0.744	21	
1,2-Dibromoethane	518.4	10.0	ug/L	502	ND	103	66-127	0.193	23	
Chlorobenzene	495.0	10.0	ug/L	501	ND	98.8	76-116	4.66	21	
1,1,1,2-Tetrachloroethane	518.6	10.0	ug/L	503	ND	103	77-121	3.78	25	
Ethylbenzene	500.2	10.0	ug/L	502	ND	99.7	73-124	4.57	20	
Xylenes, total	1505	20.0	ug/L	1510	ND	99.6	75-123	5.56	20	
Styrene	534.6	10.0	ug/L	504	ND	106	70-120	2.46	23	
Bromoform	568.9	10.0	ug/L	501	ND	114	70-124	4.27	22	
1,2,3-Trichloropropane	525.1	10.0	ug/L	503	ND	104	62-135	2.78	28	
trans-1,4-Dichloro-2-butene	1105	50.0	ug/L	1000	ND	111	50-120	7.17	26	
1,1,2,2-Tetrachloroethane	482.1	10.0	ug/L	501	ND	96.2	63-126	0.666	24	
1,4-Dichlorobenzene	470.3	10.0	ug/L	501	ND	93.8	72-119	0.636	24	
1,2-Dichlorobenzene	499.6	10.0	ug/L	501	ND	99.7	71-117	1.53	24	
1,2-Dibromo-3-chloropropane	539.5	50.0	ug/L	501	ND	108	49-134	4.98	28	
Surrogate: Dibromofluoromethane	494		ug/L	502		98.3	75-136			
Surrogate: Dibromofluoromethane	494		ug/L	502		98.3	57-128			
Surrogate: 1,2-Dichloroethane-d4	508		ug/L	504		101	61-142			
Surrogate: 1,2-Dichloroethane-d4	508		ug/L	504		101	49-135			
Surrogate: Toluene-d8	519		ug/L	505		103	82-121			
Surrogate: Toluene-d8	519		ug/L	505		103	82-116			
Surrogate: 4-Bromofluorobenzene	505		ug/L	502		101	80-116			
Surrogate: 4-Bromofluorobenzene	505		ug/L	502		101	77-114			
Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1111374 - Wet Chem Preparation - EPA 376.2										

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Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1374 - Wet Chem Preparation - EPA 376.2										
Blank (11I1374-BLK1)	Prepared: 09/23/25 16:37 Analyzed: 09/23/25 17:06									
Sulfide, total	<0.10	0.10	mg/L							
LCS (11I1374-BS1)	Prepared: 09/23/25 16:37 Analyzed: 09/23/25 17:06									
Sulfide, total	<0.10	0.10	mg/L	0.094		60.8	56-118			
Matrix Spike (11I1374-MS1)	Source: 11I1428-07 Prepared: 09/23/25 16:37 Analyzed: 09/23/25 17:06									
Sulfide, total	<0.10	0.10	mg/L	0.094	ND	99.2	50-150			
Matrix Spike Dup (11I1374-MSD1)	Source: 11I1428-07 Prepared: 09/23/25 16:37 Analyzed: 09/23/25 17:06									
Sulfide, total	<0.10	0.10	mg/L	0.094	ND	88.4	50-150	11.5	30	

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1139 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (11I1139-BLK1)	Prepared: 09/18/25 15:34 Analyzed: 09/23/25 17:03									
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							B
LCS (11I1139-BS1)	Prepared: 09/18/25 15:34 Analyzed: 09/23/25 17:05									
Antimony, total	0.0934	0.0010	mg/L	0.100		93.4	80-120			
Arsenic, total	0.0921	0.0020	mg/L	0.100		92.1	80-120			
Barium, total	0.100	0.0010	mg/L	0.100		100	80-120			
Beryllium, total	0.0893	0.0005	mg/L	0.100		89.3	80-120			
Cadmium, total	0.0929	0.0002	mg/L	0.100		92.9	80-120			
Chromium, total	0.0913	0.0010	mg/L	0.100		91.3	80-120			
Cobalt, total	0.0916	0.0005	mg/L	0.100		91.6	80-120			
Copper, total	0.0928	0.0050	mg/L	0.100		92.8	80-120			
Lead, total	0.0960	0.0010	mg/L	0.100		96.0	80-120			
Nickel, total	0.0918	0.0050	mg/L	0.100		91.8	80-120			
Selenium, total	0.0918	0.0020	mg/L	0.100		91.8	80-120			
Silver, total	0.0949	0.0050	mg/L	0.100		94.9	80-120			
Thallium, total	0.0932	0.0005	mg/L	0.100		93.2	80-120			

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CERTIFICATE OF ANALYSIS

11I1428

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1139 - EPA 3005A Total Recoverable Metals - EPA 6020A										
LCS (11I1139-BS1) Prepared: 09/18/25 15:34 Analyzed: 09/23/25 17:05										
Vanadium, total	0.0996	0.0020	mg/L	0.100		99.6	80-120			
Zinc, total	0.0971	0.0050	mg/L	0.100		97.1	80-120			
Matrix Spike (11I1139-MS1) Source: 11I1428-01 Prepared: 09/18/25 15:34 Analyzed: 09/23/25 17:10										
Antimony, total	0.0990	0.0010	mg/L	0.100	ND	99.0	75-125			
Arsenic, total	0.0956	0.0020	mg/L	0.100	ND	95.6	75-125			
Barium, total	0.296	0.0010	mg/L	0.100	0.184	112	75-125			
Beryllium, total	0.0954	0.0005	mg/L	0.100	ND	95.4	75-125			
Cadmium, total	0.0960	0.0002	mg/L	0.100	0.0003	95.7	75-125			
Chromium, total	0.0942	0.0010	mg/L	0.100	0.0011	93.1	75-125			
Cobalt, total	0.0919	0.0005	mg/L	0.100	0.0004	91.4	75-125			
Copper, total	0.0951	0.0050	mg/L	0.100	0.0059	89.2	75-125			
Lead, total	0.0982	0.0010	mg/L	0.100	ND	98.2	75-125			
Nickel, total	0.132	0.0050	mg/L	0.100	0.0435	88.7	75-125			
Selenium, total	0.0942	0.0020	mg/L	0.100	ND	94.2	75-125			
Silver, total	0.0984	0.0050	mg/L	0.100	ND	98.4	75-125			
Thallium, total	0.0955	0.0005	mg/L	0.100	0.00008	95.4	75-125			
Vanadium, total	0.108	0.0020	mg/L	0.100	ND	108	75-125			
Zinc, total	0.107	0.0050	mg/L	0.100	0.0155	91.9	75-125			
Matrix Spike Dup (11I1139-MSD1) Source: 11I1428-01 Prepared: 09/18/25 15:34 Analyzed: 09/23/25 17:13										
Antimony, total	0.104	0.0010	mg/L	0.100	ND	104	75-125	4.42	20	
Arsenic, total	0.101	0.0020	mg/L	0.100	ND	101	75-125	5.17	20	
Barium, total	0.304	0.0010	mg/L	0.100	0.184	120	75-125	2.72	20	
Beryllium, total	0.0978	0.0005	mg/L	0.100	ND	97.8	75-125	2.50	20	
Cadmium, total	0.0997	0.0002	mg/L	0.100	0.0003	99.4	75-125	3.79	20	
Chromium, total	0.0977	0.0010	mg/L	0.100	0.0011	96.7	75-125	3.74	20	
Cobalt, total	0.0956	0.0005	mg/L	0.100	0.0004	95.2	75-125	3.95	20	
Copper, total	0.0974	0.0050	mg/L	0.100	0.0059	91.5	75-125	2.35	20	
Lead, total	0.102	0.0010	mg/L	0.100	ND	102	75-125	3.85	20	
Nickel, total	0.135	0.0050	mg/L	0.100	0.0435	91.9	75-125	2.36	20	
Selenium, total	0.0989	0.0020	mg/L	0.100	ND	98.9	75-125	4.80	20	
Silver, total	0.102	0.0050	mg/L	0.100	ND	102	75-125	3.47	20	
Thallium, total	0.101	0.0005	mg/L	0.100	0.00008	101	75-125	5.89	20	
Vanadium, total	0.115	0.0020	mg/L	0.100	ND	115	75-125	6.33	20	
Zinc, total	0.110	0.0050	mg/L	0.100	0.0155	94.4	75-125	2.33	20	
Post Spike (11I1139-PS1) Source: 11I1428-01 Prepared: 09/18/25 15:34 Analyzed: 09/23/25 17:15										
Antimony, total	0.0202		mg/L	0.0200	0.0003	99.8	80-120			
Arsenic, total	0.0193		mg/L	0.0200	0.00004	96.3	80-120			
Barium, total	0.205		mg/L	0.0200	0.184	107	80-120			
Beryllium, total	0.0191		mg/L	0.0200	-0.00001	95.3	80-120			
Cadmium, total	0.0191		mg/L	0.0200	0.0003	93.8	80-120			
Chromium, total	0.0201		mg/L	0.0200	0.0011	95.1	80-120			
Cobalt, total	0.0188		mg/L	0.0200	0.0004	91.8	80-120			
Copper, total	0.0240		mg/L	0.0200	0.0059	90.5	80-120			

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11I1428

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11I1139 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Post Spike (11I1139-PS1)		Source: 11I1428-01		Prepared: 09/18/25 15:34 Analyzed: 09/23/25 17:15						
Lead, total	0.0196		mg/L	0.0200	0.00009	97.7	80-120			
Nickel, total	0.0618		mg/L	0.0200	0.0435	91.8	80-120			
Selenium, total	0.0198		mg/L	0.0200	0.0001	98.1	80-120			
Silver, total	0.0200		mg/L	0.0200	0.0002	98.8	80-120			
Thallium, total	0.0195		mg/L	0.0200	0.00008	97.0	80-120			
Vanadium, total	0.0195		mg/L	0.0200	0.0002	96.2	80-120			
Zinc, total	0.0338		mg/L	0.0200	0.0155	91.7	80-120			
Batch 11I1537 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (11I1537-BLK1)		Prepared: 09/25/25 16:32 Analyzed: 09/26/25 17:42								
Arsenic, total	<0.0020	0.0020	mg/L							
Zinc, total	<0.0050	0.0050	mg/L							
LCS (11I1537-BS1)		Prepared: 09/25/25 16:32 Analyzed: 09/26/25 17:44								
Arsenic, total	0.0941	0.0020	mg/L	0.100		94.1	80-120			
Zinc, total	0.0983	0.0050	mg/L	0.100		98.3	80-120			
Matrix Spike (11I1537-MS1)		Source: 11I1940-02		Prepared: 09/25/25 16:32 Analyzed: 09/26/25 18:20						
Arsenic, total	0.0954	0.0020	mg/L	0.100	ND	95.4	75-125			
Zinc, total	0.104	0.0050	mg/L	0.100	0.0105	93.2	75-125			
Matrix Spike Dup (11I1537-MSD1)		Source: 11I1940-02		Prepared: 09/25/25 16:32 Analyzed: 09/26/25 18:27						
Arsenic, total	0.0970	0.0020	mg/L	0.100	ND	97.0	75-125	1.66	20	
Zinc, total	0.105	0.0050	mg/L	0.100	0.0105	94.3	75-125	1.04	20	
Post Spike (11I1537-PS1)		Source: 11I1940-02		Prepared: 09/25/25 16:32 Analyzed: 09/26/25 18:30						
Arsenic, total	0.0188		mg/L	0.0200	-0.0001	94.0	80-120			
Zinc, total	0.0287		mg/L	0.0200	0.0105	91.0	80-120			
Batch 11I1723 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Blank (11I1723-BLK1)		Prepared: 09/30/25 14:35 Analyzed: 10/01/25 20:04								
Cadmium, total	<0.0002	0.0002	mg/L							
Copper, total	<0.0050	0.0050	mg/L							
Lead, total	<0.0010	0.0010	mg/L							
Zinc, total	<0.0050	0.0050	mg/L							
LCS (11I1723-BS1)		Prepared: 09/30/25 14:35 Analyzed: 10/01/25 20:07								
Cadmium, total	0.106	0.0002	mg/L	0.100		106	80-120			
Copper, total	0.110	0.0050	mg/L	0.100		110	80-120			
Lead, total	0.110	0.0010	mg/L	0.100		110	80-120			
Zinc, total	0.111	0.0050	mg/L	0.100		111	80-120			
Matrix Spike (11I1723-MS1)		Source: 11I0763-14RE1		Prepared: 09/30/25 14:35 Analyzed: 10/01/25 20:12						
Cadmium, total	0.102	0.0002	mg/L	0.100	ND	102	75-125			
Copper, total	0.103	0.0050	mg/L	0.100	ND	103	75-125			
Lead, total	0.108	0.0010	mg/L	0.100	ND	108	75-125			
Zinc, total	0.109	0.0050	mg/L	0.100	0.0069	102	75-125			

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111428

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 111723 - EPA 3005A Total Recoverable Metals - EPA 6020A										
Matrix Spike Dup (111723-MSD1) Source: 1110763-14RE1 Prepared: 09/30/25 14:35 Analyzed: 10/01/25 20:19										
Cadmium, total	0.104	0.0002	mg/L	0.100	ND	104	75-125	2.17	20	
Copper, total	0.106	0.0050	mg/L	0.100	ND	106	75-125	2.86	20	
Lead, total	0.110	0.0010	mg/L	0.100	ND	110	75-125	1.64	20	
Zinc, total	0.113	0.0050	mg/L	0.100	0.0069	106	75-125	3.12	20	
Post Spike (111723-PS1) Source: 1110763-14RE1 Prepared: 09/30/25 14:35 Analyzed: 10/01/25 20:22										
Cadmium, total	0.0200		mg/L	0.0200	0.00	99.8	80-120			
Copper, total	0.0208		mg/L	0.0200	0.0011	98.6	80-120			
Lead, total	0.0210		mg/L	0.0200	0.00005	105	80-120			
Zinc, total	0.0267		mg/L	0.0200	0.0069	98.8	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.
Q2:	LCS recovery is above acceptance limits.
RL:	Reporting Limit
RPD:	Relative Percent Difference

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 0.0°C

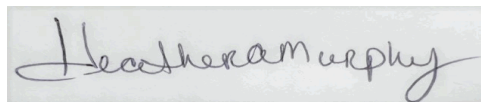
Cooler Inspection Checklist

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
10/03/25 15:57

CHAIN OF CUSTODY RECORD



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Phone: 641-792-8451

Page 1 of 2

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SITE INFORMATION

Sampler: TODD WHIPPLE
Project: Benton County - New Regs

REPORT TO

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

INVOICE TO

Eric Werner
Benton County Sanitary Landfill
7904 20th Ave
Blairstown, IA 52209

SPECIAL INSTRUCTIONS

None

Turn Around Time

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

LAB USE ONLY



1 I I 1 4 2 8

HLW Engineering
PM: Heather Murphy

Temperature: 0.01°C ✓

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
01-001	MW-6 (b)	Aqueous	GRAB	9/16/25	11:19	7	Indfil-app1-metals-6020dfill-app1-voc-group	01
02-001	MW-26 (b)	Aqueous	GRAB	9/16/25	10:50	7	Indfil-app1-metals-6020dfill-app1-voc-group	02
03-001	MW-27 (b)	Aqueous	GRAB	9/16/25	11:05	7	Indfil-app1-metals-6020dfill-app1-voc-group	03
04-001	MW-28 (b) <u>No Sample</u>	Aqueous	GRAB	—	—	—	Indfil-app1-metals-6020dfill-app1-voc-group	
05-001	MW-7 (b)	Aqueous	GRAB	9/16/25	11:26	7	Indfil-app1-metals-6020dfill-app1-voc-group	04
06-001	MW-12	Aqueous	GRAB	9/16/25	13:06	7	Indfil-app1-metals-6020dfill-app1-voc-group	05
07-001	MW-14	Aqueous	GRAB	9/16/25	12:53	7	Indfil-app1-metals-6020dfill-app1-voc-group	06
08-001	MW-20	Aqueous	GRAB	9/16/25	12:33	8	Indfil-app1-metals-6020dfill-app1-voc-group sulf-t-376.2-regen	07
09-001	AW-1	Aqueous	GRAB	9/16/25	13:33	7	Indfil-app1-metals-6020dfill-app1-voc-group	08
10-001	MW-24	Aqueous	GRAB	9/16/25	13:59	7	Indfil-app1-metals-6020dfill-app1-voc-group	09

Relinquished By

Date/Time

Relinquished By

Date/Time

Received By

Date/Time

Received for Lab By

Date/Time

Remarks:

CHAIN OF CUSTODY RECORD



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

Page 2 of 2

Printed: 8/27/2025 4:23:32PM

Page 45 of 45

SITE INFORMATION

Sampler: Todd Whipple
Project: Benton County - New Regs

REPORT TO

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

INVOICE TO

Eric Werner
Benton County Sanitary Landfill
7904 20th Ave
Blairtown, IA 52209

SPECIAL INSTRUCTIONS

None

Turn Around Time

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

LAB USE ONLY



HLW Engineering
PM: Heather Murphy

Temperature: 0.0 ice °C

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses	Lab Sample Number
11-001	MW-25	Aqueous	GRAB	9/16/25	14:30	7	Indfil-app1-metals-6020dfill-app1-voc-group	10
12-001	AW-2	Aqueous	GRAB	9/16/25	12:22	7	Indfil-app1-metals-6020dfill-app1-voc-group	11
13-001	AW-9	Aqueous	GRAB	9/16/25	12:03	1	as-t-6020 co-t-6020	12
14-001	AW-3	Aqueous	GRAB	9/16/25	11:42	7	Indfil-app1-metals-6020dfill-app1-voc-group	13
15-001	Duplicate	Aqueous	GRAB	9/16/25	✓	1	Indfil-app1-metals-6020	14
16-001	MW-41	Aqueous	GRAB	9/16/25	14:17	7	Indfil-app1-metals-6020dfill-app1-voc-group	15
17-001	GU-L	Ag	Grab	9/16/25	13:15	7	Indfil App1 -metals 6020 Landfill -App1 VOC group	16

Relinquished By

Date/Time

Relinquished By

Date/Time

Received By

Date/Time

Received for Lab By

Date/Time

Remarks:

Appendix D

Turbidity Summary

Benton County Sanitary Landfill

Field Turbidity Over Time

No-Purge Sampling

Date	Well																Max	Min	Median	Average
	6	12	14	20	24	25	AW2	AW3	26	27	28	7	AW-9	AW-1	MW-41	GU-L				
9/15/16	0.51	19.16	0.46	26.01	4.68	2.44	33.51	1.97									49.66	0.46	6.85	13.89
10/31/16									1.01	2.59	7.38						7.38	1.01	2.59	3.66
3/15/17	5.72	73.1	1.76	5.42	10.71	8.7	3.6	4.26	1.08	18.3	5.65		2.35				138.00	1.08	5.72	20.30
5/9/17												7.25					7.25	7.25	7.25	7.25
9/27/17	0.86	7.64	1.14	1.5	6.62	0.96	3.9	3.17	2.73	304		529					529.00	0.86	4.20	68.99
12/13/17							1.17			15.50		41.24					41.24	1.17	15.42	18.31
3/14/18		9.55	2.05	7.9	8.38	1.05	1.19	0.94	0.22	20.68	6.64	3.85					46.77	0.22	5.00	8.27
6/5/18		18.8					1.28	5.09									18.80	1.28	5.09	8.39
9/12/18	0.59	3.59	3.05	6.17	4.75	2.40	7.53	10.80	8.66	70.60	43.50	386.00					386.00	0.51	7.53	39.95
4/1/19	0.58	4.01	1.42	6.94	12.00	0.55	8.41	3.88	0.91	114.00	7.67	60.90	15.50				114.00	0.55	6.18	17.80
9/12/19	1.53	1.07	30.94	4.30	4.55	0.90	1.48	7.52	1.36	44.63		631.80	20.28				631.80	0.90	4.30	52.64
5/6/20	0.34	275.00	2.05	6.14	77.40	1.53	3.22	6.02	1.28	32.10	1.29	14.10	38.70				275.00	0.34	6.98	36.19
9/3/20	0.32	8.19	1.51	3.07	19.60	1.73	6.49	3.55	0.67	5.29	5.48	8.74					19.60	0.32	3.55	5.60
3/30/21	0.53	189	2.56	3.87	20.1	0.97	3.34	2.91	1.15	113	2.02	1000	11.2				1000.00	0.53	3.61	92.00
9/8/21	0.98	4.09	13.36	7.48	4.72	1.28	2.26	2.68	1.55	7.84		6.70	51.48				51.48	0.98	4.09	10.61
3/31/22	3.32	2.26	1.72	4.38	7.62	1.54	6.25	5.35	0.78	2.81	3.20	1000	5.46				1000.00	0.78	3.85	68.15
8/30/22	1.09	4.23	1.41	7.73	3.05	2.81	1.4	1.4	2.91	37.94		76.83	3.76				109.00	1.09	3.05	21.45
11/11/22		20.30															20.30	20.30	20.30	20.30
3/7/23	1.15	197.10	1.20	2.22	2.52	1.14	1.32	4.01	1.73	195.80	6.16	7.80	7.24				197.10	1.14	3.27	31.00
6/6/23																	15.51	15.51	15.51	15.51
9/28/23	1.69	24.03	2.44	3.29	6.31	2.22	4.13	2.97	3.48	15.35		1.62	20.17				24.03	1.62	3.48	7.23
3/11/24	2.48	2.62	4.51	6.11	14.51	5.11	2.37	2.18	4.73	9.99	3.81	2	191.60	4.72			191.60	2.12	4.62	19.07
10/2/24		80.94															80.94	80.94	80.94	80.94
12/11/24	2.50	4.14	1.91	3.55	9.88	2.36	2.45	2.24	2.12	8.28		3	23.51	82.46	5.37		23.51	1.91	2.98	5.53
3/6/25		33.66	1.97	8.42	56.43	2.41	5.14	11.93	2.1	6.01	4.91	2.67	36.48	6.25	4.2		56.43	1.97	5.58	14.34
5/22/25														1.51			0.00	0.00	#NUM!	#DIV/0!
9/16/25	1.18	16.11	0.93	1.79	31.42	1.20	3.19	1.63	1.08	3.59		1.11	22.57	4.95	1.88	1.43	31.42	0.93	1.71	7.15
Max	5.72	275.00	30.94	26.01	77.40	8.70	33.51	11.93	8.66	304.00	43.50	1000.00	191.60	82.46	5.37	1.43				
Min	0.32	1.07	0.46	1.50	2.52	0.55	1.17	0.94	0.22	2.59	1.29	1.11	2.35	1.51	1.88	1.43				
Ave	1.49	45.39	4.02	6.12	16.07	2.17	4.93	4.23	2.08	51.42	8.14	199.22	32.16	19.98	3.82	1.43				
Std Dev	1.38	75.65	7.08	5.27	19.62	1.89	6.89	2.95	1.94	77.68	11.32	340.40	48.08	34.97	1.78	#DIV/0!				

Appendix E

Prediction Limit Exceedances

Fall, 2016*	
AW-3	1,1-dichloroethane
	1,4-dichlorobenzene
	Benzene
	Chloroethane
	cis-1,2-dichloroethene
MW-20	1,4-dichlorobenzene
	Acetone
	Benzene
	Chlorobenzene
	Chloroethane
	Toluene
MW-24	Ethylbenzene
	Toluene
	Xylenes

Spring, 2017*		Fall, 2017*	
AW-3	1,1-dichloroethane	AW-3	1,1-dichloroethane
	Bis(2-ethylhexyl)phthalate		1,4-dichlorobenzene
	Chlorobenzene		Chloroethane
	Chloroethane		cis-1,2-dichloroethene
	cis-1,2-dichloroethene		
MW-14	1,1-dichloroethane	MW-14	1,1-dichloroethane
MW-20	1,4-dichlorobenzene	MW-20	1,4-dichlorobenzene
	Benzene		Benzene
	Chlorobenzene		Chlorobenzene
	Chloroethane		
MW-24	Benzene	MW-24	None
	Ethylbenzene		
	Xylenes		
MW-25	Bis(2-ethylhexyl)phthalate	MW-25	Bis(2-ethylhexyl)phthalate

* - *insufficient number of background episodes available to calculate the prediction limits.
Prediction Limit exceedances for metals are not reported.*

Spring, 2018*		Fall, 2018	
AW-2	None	AW-2	Arsenic
			Cobalt
			Benzene
AW-3	1,4-dichlorobenzene	AW-3	Arsenic
	Benzene		1,4-dichlorobenzene
	Chloroethane		2-butanone
			Benzene
			Chloroethane
			Toluene
MW-20	1,4-dichlorobenzene	MW-20	Arsenic
	Benzene		1,4-dichlorobenzene
			Benzene
			Chlorobenzene
MW-23		MW-23	Cobalt
			Zinc
MW-25	Bis(2-ethylhexyl)phthalate	MW-25	None

* - *insufficient number of background episodes available to calculate the prediction limits.
Prediction Limit exceedances for metals are not reported.*

Spring, 2019		Fall, 2019	
AW-2	Arsenic	AW-2	Arsenic
	Cobalt		Cobalt
AW-3	1,4-dichlorobenzene	AW-3	Acetone
	Chloroethane		Benzene
MW-9	None	MW-9	Barium
			Nickel
MW-14	Nickel	MW-14	Cadmium
	1,1-dichloroethane		
MW-20	1,4-dichlorobenzene	MW-20	Arsenic
	Benzene		Benzene
	Chlorobenzene		Chlorobenzene
MW-23	Arsenic	MW-23	Arsenic
	Cobalt		Cobalt
MW-24	Arsenic	MW-24	Cobalt
	Barium		
	Cobalt		
	Nickel		
	Zinc		
	Acetone		
	Benzene		
	Chloroethane		
	Ethylbenzene		
	Xylenes		

Spring, 2020		Fall, 2020	
AW-2	Arsenic	AW-2	Arsenic
	Cobalt		Cobalt
AW-3	1,4-dichlorobenzene	AW-3	1,4-dichlorobenzene
	Benzene		Chloroethane
	Chloroethane		cis-1,2-dichloroethene
	cis-1,2-dichloroethene		
MW-9	Barium	MW-9	None
MW-14	None	MW-14	None
MW-20	1,4-dichlorobenzene	MW-20	1,4-dichlorobenzene
	Benzene		Benzene
	Chlorobenzene		Chlorobenzene
MW-23	Arsenic	MW-23	Arsenic
	Barium		Barium
	Cobalt		Cobalt
MW-24	None	MW-24	Cadmium
			Cobalt
			Nickel

Spring, 2021		Fall, 2021	
AW-2	None	AW-2	2-butanone
			Acetone
			Benzene
			Chloroethane
AW-3	1,4-dichlorobenzene	AW-3	1,4-dichlorobenzene
	Benzene		Benzene
	Chloroethane		Chloroethane
	cis-1,2-dichloroethene		
	Vinyl chloride		
MW-19	None	MW-19	Zinc
MW-20	1,4-dichlorobenzene	MW-20	1,4-dichlorobenzene
	Benzene		Benzene
	Chlorobenzene		Chlorobenzene
MW-24	Cobalt	MW-24	None

Spring, 2022		Fall, 2022	
AW-2	None	AW-2	None
AW-3	1,4-dichlorobenzene	AW-3	Arsenic
	Acetone		1,4-dichlorobenzene
	Benzene		Benzene
	Chloroethane		Chloroethane
			cis-1,2-dichloroethylene
MW-19	None	MW-19	None
MW-20	1,4-dichlorobenzene	MW-20	1,4-dichlorobenzene
	Benzene		Benzene
	Chlorobenzene		Chlorobenzene
			Toluene
MW-24	Nickel	MW-24	Nickel

Spring, 2023		Fall, 2023	
AW-2	Cobalt	AW-2	None
	Nickel		
AW-3	1,4-dichlorobenzene	AW-3	1,4-dichlorobenzene
	Benzene		Benzene
	Chloroethane		Chloroethane
	cis-1,2-dichloroethylene		cis-1,2-dichloroethylene
MW-9	Nickel	MW-9	None
MW-20	Arsenic	MW-20	1,4-dichlorobenzene
	1,4-dichlorobenzene		Benzene
	Benzene		Chlorobenzene
	Chlorobenzene		
MW-24	Nickel	MW-24	None

Spring, 2024		Fall, 2024	
AW-2	Cobalt	AW-2	Cobalt
AW-3	1,4-dichlorobenzene	AW-3	1,4-dichlorobenzene
	Benzene		Chloroethane
	Chloroethane		
MW-20	1,4-dichlorobenzene	MW-20	1,4-dichlorobenzene
	Benzene		Benzene
	Chlorobenzene		Chlorobenzene
	Toluene		
MW-24	None	MW-24	Barium
			Cobalt

Spring, 2025		Fall, 2025	
AW-2	Arsenic	AW-2	None
AW-3	1,4-dichlorobenzene	AW-3	1,4-dichlorobenzene
	2-Butanone		Chloroethane
	Chloroethane		cis-1,2-dichloroethylene
MW-20	1,4-dichlorobenzene	MW-20	1,4-dichlorobenzene
	Acetone		Benzene
	Benzene		Chlorobenzene
	Chlorobenzene		
MW-24	None	MW-24	None

Appendix F

Assessment Monitoring Results

bis(2-ethylhexyl)phthalate (ug/L)

Date	MW-20	MW-24	AW-2	AW-3
4/23/09	NT	NT	NT	NT
8/24/09	NT	NT	NT	NT
4/27/10	NT	NT	NT	NT
3/24/11	NT	NT	NT	NT
3/20/12	<10	<10	<20	<10
8/28/12	<10	NT	NT	NT
3/15/13	NT	NT	NT	NT
10/20/14	NT	NT	NT	NT
6/22/15	NT	NT	NT	NT
11/12/15	NT	NT	NT	NT
4/11/16	NT	NT	NT	NT
9/16/16	NT	NT	NT	NT
3/17/17	<8	<8	<8	16.0
9/27/17	NT	NT	NT	<6
3/14/18	NT	NT	NT	<6
9/12/18	NT	NT	NT	<6
4/1/19	NT	NT	NT	<6
10/12/19	NT	NT	NT	<6
5/6/20	NT	NT	NT	<6
9/3/20	NT	NT	NT	NT
3/30/21	NT	NT	NT	NT
9/8/2021	NT	NT	NT	NT
3/31/2022	<6	<6	<6	<6
8/30/2022	NT	NT	NT	NT
3/7/2023	NT	NT	NT	NT
9/28/2023	NT	NT	NT	NT
3/11/2024	NT	NT	NT	NT
10/2/2024	NT	NT	NT	NT
3/6/2025	NT	NT	NT	NT
9/16/2025	NT	NT	NT	NT

green highlights = full Appendix II sample collection events

cyanide (ug/L)

Date	MW-20	MW-24	AW-2	AW-3
4/23/09	NT	NT	NT	NT
8/24/09	NT	NT	NT	NT
4/27/10	NT	NT	NT	NT
3/24/11	NT	NT	NT	NT
3/20/12	<10	<10	<10	<10
8/28/12	<10	NT	NT	NT
3/15/13	<10	NT	NT	NT
10/20/14	NT	NT	NT	NT
6/22/15	NT	NT	NT	NT
11/12/15	NT	NT	NT	NT
4/11/16	NT	NT	NT	NT
9/16/16	NT	NT	NT	NT
3/17/17	<5	<5	9.0	<5
9/27/17	NT	NT	<5	NT
3/14/18	NT	NT	NT	NT
9/12/18	NT	NT	<5	NT
4/1/19	NT	NT	<5	NT
10/12/19	NT	NT	<5	NT
5/6/2020	NT	NT	<5	NT
9/3/20	NT	NT	NT	NT
3/30/21	NT	NT	NT	NT
9/8/2021	NT	NT	NT	NT
3/31/2022	<5	<5	<5	<5
8/30/2022	NT	NT	NT	NT
3/7/2023	NT	NT	NT	NT
9/28/2023	NT	NT	NT	NT
3/11/2024	NT	NT	NT	NT
10/2/2024	NT	NT	NT	NT
3/6/2025	NT	NT	NT	NT
9/16/2025	NT	NT	NT	NT

green highlights = full Appendix II sample collection events

sulfide (mg/L)

Date	MW-20	MW-24	AW-2	AW-3
4/23/09	NT	NT	NT	NT
8/24/09	NT	NT	NT	NT
4/27/10	NT	NT	NT	NT
3/24/11	NT	NT	NT	NT
3/20/12	<0.2	<0.2	<0.2	<0.2
8/28/12	<0.2	NT	NT	NT
3/15/13	<10	NT	NT	NT
10/20/14	NT	NT	NT	NT
6/22/15	NT	NT	NT	NT
11/12/15	NT	NT	NT	NT
4/11/16	NT	NT	NT	NT
9/16/16	NT	NT	NT	NT
3/17/17	<0.2	<0.2	<0.2	<0.2
9/27/17	NT	NT	<5	NT
3/14/18	NT	NT	NT	NT
9/12/18	NT	NT	<5	NT
4/1/19	NT	NT	<5	NT
10/12/19	NT	NT	<5	NT
5/6/2020	NT	NT	<5	NT
9/3/20	NT	NT	NT	NT
3/30/21	NT	NT	NT	NT
9/8/2021	NT	NT	NT	NT
3/31/2022	0.33	<0.2	<0.2	<0.2
8/30/2022	0.23	NT	NT	NT
3/7/2023	0.16	NT	NT	NT
9/28/2023	0.44	NT	NT	NT
3/11/2024	<0.15	NT	NT	NT
10/2/2024	<0.10	NT	NT	NT
3/6/2025	<0.10	NT	NT	NT
9/16/2025	<0.10	NT	NT	NT

green highlights = full Appendix II sample collection events

Appendix G

Leachate Collection System Performance Evaluation Report

Appendix G.1-
Leachate Treatment Agreement with Van Horne

IOWA DEPARTMENT OF NATURAL RESOURCES
National Pollutant Discharge Elimination System (NPDES) Permit

OWNER NAME & ADDRESS

CITY OF VAN HORNE
PO BOX 359
VAN HORNE, IA 52346-0359

FACILITY NAME & ADDRESS

VAN HORNE CITY OF STP
NORTH OF 1ST AVENUE ON 11TH
STREET
VAN HORNE, IA 52346

Section 11, T83N, R11W
Benton County

IOWA NPDES PERMIT NUMBER: 0685001

DATE OF ISSUANCE: 05/01/2023

DATE OF EXPIRATION: 04/30/2028

**YOU ARE REQUIRED TO FILE FOR RENEWAL
OF THIS PERMIT BY:** 11/02/2027

EPA NUMBER: IA0033341

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: VAN HORNE CITY OF STP

Permit Number: 0685001

Outfall No.: 001 DISCHARGE FROM AN ACTIVATED SLUDGE-EXTENDED AERATION TREATMENT FACILITY

Receiving Stream: UNNAMED CREEK

Route of Flow: UNNAMED CREEK TO PRAIRIE CREEK

Class A2 waters are secondary contact recreational use waters in which recreational or other uses may result in contact with the water that is either incidental or accidental. During the recreational use, the probability of ingesting appreciable quantities of water is minimal. Class A2 uses include fishing, commercial and recreational boating, any limited contact incidental to shoreline activities and activities in which users do not swim or float in the water body while on a boating activity.

Waters designated Class B(WW2) are those in which flow or other physical characteristics are capable of supporting a resident aquatic community that includes a variety of native nongame fish and invertebrate species. The flow and other physical characteristics limit the maintenance of warm water game fish populations. These waters generally consist of small perennially flowing streams.

Bypasses from any portion of a treatment facility or from a sanitary sewer collection system designed to carry only sewage are prohibited.

Facility Name: VAN HORNE CITY OF STP

Permit Number: 0685001

Effluent Limitations:

You are prohibited from discharging pollutants except in compliance with the following effluent limitations:

001 DISCHARGE FROM AN ACTIVATED SLUDGE-EXTENDED AERATION TREATMENT FACILITY

Outfall: 001 Effective Dates: 05/01/2023 to 04/30/2028				
Parameter	Season	Limit Type	Limits	
CBOD5			85% Removal Required	
	Yearly	7 Day Average	40 MG/L	129 LBS/DAY
	Yearly	30 Day Average	25 MG/L	80 LBS/DAY
TOTAL SUSPENDED SOLIDS			85% Removal Required	
	Yearly	7 Day Average	45 MG/L	145 LBS/DAY
	Yearly	30 Day Average	30 MG/L	97 LBS/DAY
DISSOLVED OXYGEN				
	Yearly	Daily Minimum	5.0 MG/L	
PH				
	Yearly	Daily Maximum	9.0 STD UNITS	
	Yearly	Daily Minimum	6.5 STD UNITS	

Facility Name: VAN HORNE CITY OF STP

Permit Number: 0685001

Outfall: 001 Effective Dates: 05/01/2023 to 04/30/2028				
Parameter	Season	Limit Type	Limits	
AMMONIA NITROGEN (N)				
	JAN	30 Day Average	3.4 MG/L	11.0 LBS/DAY
	JAN	Daily Maximum	15.2 MG/L	47.0 LBS/DAY
	FEB	30 Day Average	4.0 MG/L	12.8 LBS/DAY
	FEB	Daily Maximum	14.2 MG/L	45.8 LBS/DAY
	MAR	30 Day Average	3.4 MG/L	11.0 LBS/DAY
	MAR	Daily Maximum	14.0 MG/L	31.0 LBS/DAY
	APR	30 Day Average	1.5 MG/L	4.9 LBS/DAY
	APR	Daily Maximum	14.0 MG/L	31.0 LBS/DAY
	MAY	30 Day Average	1.7 MG/L	5.6 LBS/DAY
	MAY	Daily Maximum	14.0 MG/L	31.0 LBS/DAY
	JUN	30 Day Average	1.3 MG/L	4.2 LBS/DAY
	JUN	Daily Maximum	10.8 MG/L	31.0 LBS/DAY
	JUL	30 Day Average	1.0 MG/L	3.2 LBS/DAY
	JUL	Daily Maximum	8.6 MG/L	25.2 LBS/DAY
	AUG	30 Day Average	1.0 MG/L	3.1 LBS/DAY
	AUG	Daily Maximum	8.4 MG/L	24.2 LBS/DAY
	SEP	30 Day Average	1.1 MG/L	3.4 LBS/DAY
	SEP	Daily Maximum	10.0 MG/L	29.0 LBS/DAY
	OCT	30 Day Average	1.6 MG/L	5.0 LBS/DAY
	OCT	Daily Maximum	14.0 MG/L	31.0 LBS/DAY
	NOV	30 Day Average	2.3 MG/L	7.5 LBS/DAY
	NOV	Daily Maximum	14.0 MG/L	31.0 LBS/DAY
	DEC	30 Day Average	2.5 MG/L	8.0 LBS/DAY
	DEC	Daily Maximum	14.0 MG/L	31.0 LBS/DAY

Facility Name: VAN HORNE CITY OF STP

Permit Number: 0685001

Outfall: 001 Effective Dates: 05/01/2023 to 04/30/2028			
<u>Parameter</u>	<u>Season</u>	<u>Limit Type</u>	<u>Limits</u>
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: VAN HORNE CITY OF STP

Permit Number: 0685001

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: VAN HORNE CITY OF STP

Permit Number: 0685001

Outfall	Wastewater Parameter	Sample Frequency	Sample Type	Monitoring Location
The following monitoring requirements shall be in effect from 05/01/2023 to 04/30/2028				
001	FLOW	7/WEEK OR DAILY	CALCULATED	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)	1 TIME PER WEEK	24 HOUR COMPOSITE	RAW WASTE
001	PH	1 TIME PER WEEK	GRAB	RAW WASTE
001	TEMPERATURE	1 TIME PER WEEK	GRAB	RAW WASTE
001	TOTAL SUSPENDED SOLIDS	1 EVERY 2 WEEKS	24 HOUR COMPOSITE	RAW WASTE
001	AMMONIA NITROGEN (N)	1 TIME PER WEEK	24 HOUR COMPOSITE	EFFLUENT AFTER DISINFECTION
001	CBOD5	1 TIME PER WEEK	24 HOUR COMPOSITE	EFFLUENT AFTER DISINFECTION
001	DISSOLVED OXYGEN	1 TIME PER WEEK	GRAB	EFFLUENT AFTER DISINFECTION
001	E. COLI	GEO. MEAN 1/3 MONTHS	GRAB	EFFLUENT AFTER DISINFECTION
001	PH	1 TIME PER WEEK	GRAB	EFFLUENT AFTER DISINFECTION
001	TEMPERATURE	1 TIME PER WEEK	GRAB	EFFLUENT AFTER DISINFECTION
001	TOTAL SUSPENDED SOLIDS	1 EVERY 2 WEEKS	24 HOUR COMPOSITE	EFFLUENT AFTER DISINFECTION

Facility Name: VAN HORNE CITY OF STP

Permit Number: 0685001

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).

Mass calculations for BOD5, TSS, and TKN raw waste samples shall use the calculated total raw waste flow.

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: VAN HORNE CITY OF STP

Permit Number: 0685001

Significant Industrial User Discharges:

Significant Industrial User: BENTON COUNTY SWDC

Outfall # Outfall Description

001 PRIOR TO DISCHARGE TO CITY SEWER

Significant Industrial User Effluent Limitations

You are prohibited from discharging pollutants except in compliance with the following effluent limitations:

BENTON COUNTY SWDC			
Outfall: 001 Effective Dates: 05/01/2023 to 04/30/2028			
<u>Parameter</u>	<u>Season</u>	<u>Limit Type</u>	<u>Limit Values</u>
FLOW			
	Yearly	30 Day Average	0.006 MGD
	Yearly	DAILY MAXIMUM	0.012 MGD
BIOCHEMICAL OXYGEN DEMAND (BOD5)			
	Yearly	30 Day Average	10.0 LBS/DAY
	Yearly	DAILY MAXIMUM	20.0 LBS/DAY
TOTAL SUSPENDED SOLIDS			
	Yearly	30 Day Average	10.0 LBS/DAY
	Yearly	DAILY MAXIMUM	20.0 LBS/DAY
AMMONIA NITROGEN (N)			
	Yearly	30 Day Average	10.0 LBS/DAY
	Yearly	DAILY MAXIMUM	20.0 LBS/DAY
NITROGEN, TOTAL KJELDAHL (AS N)			
	Yearly	30 Day Average	10.0 LBS/DAY
	Yearly	DAILY MAXIMUM	20.0 LBS/DAY
OIL AND GREASE			
	Yearly	30 Day Average	10.0 MG/L
	Yearly	DAILY MAXIMUM	15.0 MG/L

Facility Name: VAN HORNE CITY OF STP

Permit Number: 0685001

BENTON COUNTY SWDC			
Outfall: 001 Effective Dates: 05/01/2023 to 04/30/2028			
<u>Parameter</u>	<u>Season</u>	<u>Limit Type</u>	<u>Limit Values</u>
PH			
	Yearly	DAILY MAXIMUM	10.0 STD UNITS
	Yearly	DAILY MINIMUM	6.0 STD UNITS

Facility Name: VAN HORNE CITY OF STP

Permit Number: 0685001

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: VAN HORNE CITY OF STP

Permit Number: 0685001

BENTON COUNTY SWDC				
Outfall	Wastewater Parameter	Sample Frequency	Sample Type	Monitoring Location
001	AMMONIA NITROGEN (N)	1 TIME PER WEEK	24 HOUR COMPOSITE	PRIOR TO DISCHARGE TO CITY SEWER
001	BIOCHEMICAL OXYGEN DEMAND (BOD5)	1 TIME PER WEEK	24 HOUR COMPOSITE	PRIOR TO DISCHARGE TO CITY SEWER
001	FLOW	7/WEEK OR DAILY	24 HOUR TOTAL	PRIOR TO DISCHARGE TO CITY SEWER
001	NITROGEN, TOTAL KJELDAHL (AS N)	1 EVERY MONTH	24 HOUR COMPOSITE	PRIOR TO DISCHARGE TO CITY SEWER
001	OIL AND GREASE	1 EVERY MONTH	GRAB	PRIOR TO DISCHARGE TO CITY SEWER
001	PH	1 TIME PER WEEK	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 2 WEEKS	24 HOUR TOTAL	PRIOR TO DISCHARGE TO CITY SEWER

Facility Name: VAN HORNE CITY OF STP

Permit Number: 0685001

ADDITIONAL MONITORING REQUIREMENTS

BENTON COUNTY SOLID WASTE DISPOSAL COMMISSION

The permittee shall analyze a representative sample of the landfill leachate discharge from Benton County SWDC at least annually for each of the pollutants listed below. In addition, the permittee shall monitor the volume of waste discharged and BOD5, TSS, TKN, Ammonia Nitrogen, Oil and Grease 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 (0685001)

Iowa DNR Field Office 1

1101 Commercial Ct, Suite 10

Manchester, IA 52057

Facility Name: VAN HORNE CITY OF STP

Permit Number: 0685001

Design Capacity

Design: 1

The design capacity for the treatment works is specified in Construction Permit Number 2002-109-S, issued January 14, 2002. The treatment plant is designed to treat:

- * An average dry weather (ADW) flow of 0.12 Million Gallons Per Day (MGD).
- * An average wet weather (AWW) flow of 0.387 Million Gallons Per Day (MGD).
- * A maximum wet weather (MWW) flow of 1.36 Million Gallons Per Day (MGD).
- * A design 5-day biochemical oxygen demand (BOD5) load of 204 lbs/day.
- * A design Total Kjeldahl Nitrogen (TKN) load of 63 lbs/day.

Operator Certification Type/Grade: WW/II

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: VAN HORNE CITY OF STP

Permit Number: 0685001

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: VAN HORNE CITY OF STP

Permit Number: 0685001

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.

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 G.2-
Leachate Treatment Agreement with Vinton

IOWA DEPARTMENT OF NATURAL RESOURCES
National Pollutant Discharge Elimination System (NPDES) Permit

OWNER NAME & ADDRESS

CITY OF VINTON
CITY HALL, PO BOX 529
VINTON, IA 52349-0529

FACILITY NAME & ADDRESS

VINTON CITY OF STP
0.7 MILES S OF THE 25TH AVE DR &
10TH AVE INTERSECTION
VINTON, IA 52349

Section 28, T85N, R10W
Benton County

IOWA NPDES PERMIT NUMBER: 0688001

DATE OF ISSUANCE: 07/01/2020

DATE OF EXPIRATION: 06/30/2025

**YOU ARE REQUIRED TO FILE FOR RENEWAL
OF THIS PERMIT BY:** 01/01/2025

EPA NUMBER: IA0035891

This permit is issued pursuant to the authority of section 402(b) of the Clean Water Act (33 U.S.C. 1342(b)), Iowa Code section 455B.174, and rule 567-64.3, Iowa Administrative Code. You are authorized to operate the disposal system and to discharge the pollutants specified in this permit in accordance with the effluent limitations, monitoring requirements and other terms set forth in this permit.

You may appeal any condition of this permit by filing a written notice of appeal and request for administrative hearing with the director of the department within 30 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 _____

Ann Seda
NPDES Section, Environmental Services Division

Facility Name: VINTON CITY OF STP

Permit Number: 0688001

Outfall No.: 001 DISCHARGE FROM AN ACTIVATED SLUDGE WASTEWATER TREATMENT FACILITY.

Receiving Stream: MUD CREEK

Route of Flow: MUD CREEK

Class A2 waters are secondary contact recreational use waters in which recreational or other uses may result in contact with the water that is either incidental or accidental. During the recreational use, the probability of ingesting appreciable quantities of water is minimal. Class A2 uses include fishing, commercial and recreational boating, any limited contact incidental to shoreline activities and activities in which users do not swim or float in the water body while on a boating activity.

Waters designated Class B(WW2) are those in which flow or other physical characteristics are capable of supporting a resident aquatic community that includes a variety of native nongame fish and invertebrate species. The flow and other physical characteristics limit the maintenance of warm water game fish populations. These waters generally consist of small perennially flowing streams.

Outfall No.: 002 BYPASS FROM THE BUDD'S ADDITION LIFT STATION OVERFLOW

Receiving Stream: MUD CREEK

Route of Flow: MUD CREEK

Class A2 waters are secondary contact recreational use waters in which recreational or other uses may result in contact with the water that is either incidental or accidental. During the recreational use, the probability of ingesting appreciable quantities of water is minimal. Class A2 uses include fishing, commercial and recreational boating, any limited contact incidental to shoreline activities and activities in which users do not swim or float in the water body while on a boating activity.

Waters designated Class B(WW2) are those in which flow or other physical characteristics are capable of supporting a resident aquatic community that includes a variety of native nongame fish and invertebrate species. The flow and other physical characteristics limit the maintenance of warm water game fish populations. These waters generally consist of small perennially flowing streams.

Outfall No.: 003 BYPASS FROM THE MANHOLE LOCATED SOUTH OF THE BALL PARK ON 25TH AVENUE DRIVE

Receiving Stream: UNNAMED CREEK TO MUD CREEK

Route of Flow: UNNAMED CREEK TO MUD CREEK

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.

Bypasses from any portion of a treatment facility or from a sanitary sewer collection system designed to carry only sewage are prohibited.

Facility Name: VINTON CITY OF STP

Permit Number: 0688001

Effluent Limitations:

You are prohibited from discharging pollutants except in compliance with the following effluent limitations:

001 DISCHARGE FROM AN ACTIVATED SLUDGE WASTEWATER TREATMENT FACILITY.

Outfall: 001 Effective Dates: 07/01/2020 to 06/30/2025			
<u>Parameter</u>	<u>Season</u>	<u>Limit Type</u>	<u>Limits</u>
CBOD5		85% Removal Required	
	Yearly	7 Day Average	40 MG/L 597 LBS/DAY
	Yearly	30 Day Average	25 MG/L 373 LBS/DAY
TOTAL SUSPENDED SOLIDS		85% Removal Required	
	Yearly	7 Day Average	45 MG/L 672 LBS/DAY
	Yearly	30 Day Average	30 MG/L 448 LBS/DAY
NITROGEN, TOTAL (AS N)			
	Yearly	30 Day Average	210.9 LBS/DAY
	Yearly	Daily Maximum	345.2 LBS/DAY
COPPER, TOTAL (AS CU)			
	Yearly	30 Day Average	0.01757 MG/L 0.2605 LBS/DAY
	Yearly	Daily Maximum	0.02700 MG/L 0.4028 LBS/DAY
ACUTE TOXICITY, CERIODAPHNIA			
	Yearly	Daily Maximum	1 NO TOXICITY
ACUTE TOXICITY, PIMEPHALES			
	Yearly	Daily Maximum	1 NO TOXICITY
DISSOLVED OXYGEN			
	Yearly	Daily Minimum	5.0 MG/L
PH			
	Yearly	Daily Maximum	9.0 STD UNITS
	Yearly	Daily Minimum	6.5 STD UNITS

Facility Name: VINTON CITY OF STP

Permit Number: 0688001

Outfall: 001 Effective Dates: 07/01/2020 to 06/30/2025				
Parameter	Season	Limit Type	Limits	
AMMONIA NITROGEN (N)				
	JAN	30 Day Average	4.1 MG/L	59.2 LBS/DAY
	JAN	Daily Maximum	15.2 MG/L	227.5 LBS/DAY
	FEB	30 Day Average	4.7 MG/L	68.6 LBS/DAY
	FEB	Daily Maximum	14.3 MG/L	212.8 LBS/DAY
	MAR	30 Day Average	4.1 MG/L	59.0 LBS/DAY
	MAR	Daily Maximum	14.7 MG/L	220.0 LBS/DAY
	APR	30 Day Average	1.8 MG/L	26.5 LBS/DAY
	APR	Daily Maximum	15.8 MG/L	235.0 LBS/DAY
	MAY	30 Day Average	2.1 MG/L	30.2 LBS/DAY
	MAY	Daily Maximum	15.2 MG/L	215.0 LBS/DAY
	JUN	30 Day Average	1.6 MG/L	22.7 LBS/DAY
	JUN	Daily Maximum	10.8 MG/L	152.3 LBS/DAY
	JUL	30 Day Average	1.2 MG/L	17.4 LBS/DAY
	JUL	Daily Maximum	8.5 MG/L	119.4 LBS/DAY
	AUG	30 Day Average	1.1 MG/L	16.6 LBS/DAY
	AUG	Daily Maximum	8.5 MG/L	119.4 LBS/DAY
	SEP	30 Day Average	1.3 MG/L	18.3 LBS/DAY
	SEP	Daily Maximum	10.0 MG/L	140.3 LBS/DAY
	OCT	30 Day Average	1.9 MG/L	27.0 LBS/DAY
	OCT	Daily Maximum	15.6 MG/L	215.0 LBS/DAY
	NOV	30 Day Average	2.8 MG/L	40.3 LBS/DAY
	NOV	Daily Maximum	14.7 MG/L	219.9 LBS/DAY
	DEC	30 Day Average	3.0 MG/L	43.0 LBS/DAY
	DEC	Daily Maximum	16.0 MG/L	238.9 LBS/DAY

Facility Name: VINTON CITY OF STP

Permit Number: 0688001

Outfall: 001 Effective Dates: 07/01/2020 to 06/30/2025			
<u>Parameter</u>	<u>Season</u>	<u>Limit Type</u>	<u>Limits</u>
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: VINTON CITY OF STP

Permit Number: 0688001

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.

(f) Results of all monitoring shall be recorded on forms provided by, or approved by, the department, and shall be submitted to the appropriate regional field office of the department by the fifteenth day following the close of the reporting period. Your reporting period is on a MONTHLY basis, ending on the last day of each reporting period.

(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: VINTON CITY OF STP

Permit Number: 0688001

Outfall	Wastewater Parameter	Sample Frequency	Sample Type	Monitoring Location
The following monitoring requirements shall be in effect from 07/01/2020 to 06/30/2025				
001	BIOCHEMICAL OXYGEN DEMAND (BOD5)	2 TIMES PER WEEK	24 HOUR COMPOSITE	RAW WASTE
001	FLOW	7/WEEK OR DAILY	24 HOUR TOTAL	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	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	COPPER, TOTAL (AS CU)	3 TIMES PER WEEK	24 HOUR COMPOSITE	EFFLUENT AFTER DISINFECTION
001	DISSOLVED OXYGEN	2 TIMES PER WEEK	GRAB	EFFLUENT AFTER DISINFECTION
001	E. COLI	1 EVERY 3 MONTHS	GRAB	EFFLUENT AFTER DISINFECTION
001	NITROGEN, TOTAL (AS N)	1 TIME PER WEEK	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: VINTON CITY OF STP

Permit Number: 0688001

Special Monitoring Requirements

Outfall #	Description

001	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: $\text{Geometric Mean} = (\text{Sample one} * \text{Sample two} * \text{Sample three} * \text{Sample four} * \text{Sample five} \dots \text{Sample N})^{(1/N)}$, 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.

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: <http://www.iowadnr.gov/Environmental-Protection/Water-Quality/NPDES-Wastewater-Permitting/NPDES-Operator-Information/Bacteria-Sampling>

Facility Name: VINTON CITY OF STP

Permit Number: 0688001

Special Monitoring Requirements (con't)

COPPER, TOTAL (AS CU)

EPA approved test methods shall be used to test at or below the limits of this permit. If a sample result is not at a detection level which is low enough to demonstrate compliance with the limit in the permit, the facility will be considered non-compliant with that limit.

Facility Name: VINTON CITY OF STP

Permit Number: 0688001

Significant Industrial User Discharges:

Significant Industrial User: BENTON COUNTY LANDFILL

Outfall # Outfall Description

001 BATCH DISCHARGE OF LANDFILL LEACHATE PRIOR TO MIXING WITH OTHER WASTE STREAMS.

Significant Industrial User Effluent Limitations

You are prohibited from discharging pollutants except in compliance with the following effluent limitations:

BENTON COUNTY LANDFILL			
Outfall: 001 Effective Dates: 07/01/2020 to 06/30/2025			
<u>Parameter</u>	<u>Season</u>	<u>Limit Type</u>	<u>Limit Values</u>
FLOW			
	Yearly	30 Day Average	0.030 MGD
	Yearly	DAILY MAXIMUM	0.050 MGD
BIOCHEMICAL OXYGEN DEMAND (BOD5)			
	Yearly	30 Day Average	75.0 LBS/DAY
	Yearly	DAILY MAXIMUM	210.0 LBS/DAY
TOTAL SUSPENDED SOLIDS			
	Yearly	30 Day Average	75.0 LBS/DAY
	Yearly	DAILY MAXIMUM	210.0 LBS/DAY
AMMONIA NITROGEN (N)			
	Yearly	30 Day Average	50.0 LBS/DAY
	Yearly	DAILY MAXIMUM	105.0 LBS/DAY
NITROGEN, TOTAL KJELDAHL (AS N)			
	Yearly	30 Day Average	50.0 LBS/DAY
	Yearly	DAILY MAXIMUM	105.0 LBS/DAY
PH			
	Yearly	DAILY MAXIMUM	8.9 STD UNITS
	Yearly	DAILY MINIMUM	6.7 STD UNITS

Facility Name: VINTON CITY OF STP

Permit Number: 0688001

BENTON COUNTY LANDFILL

Outfall: 001 Effective Dates: 07/01/2020 to 06/30/2025

<u>Parameter</u>	<u>Season</u>	<u>Limit Type</u>	<u>Limit Values</u>
OIL AND GREASE			
	Yearly	30 Day Average	12 LBS/DAY
	Yearly	DAILY MAXIMUM	42 LBS/DAY

Facility Name: VINTON CITY OF STP

Permit Number: 0688001

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.

(f) Results of all monitoring shall be recorded on forms provided by, or approved by, the department, and shall be submitted to the appropriate regional field office of the department by the fifteenth day following the close of the reporting period. Your reporting period is on a MONTHLY basis, ending on the last day of each reporting period.

(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: VINTON CITY OF STP

Permit Number: 0688001

BENTON COUNTY LANDFILL				
Outfall	Wastewater Parameter	Sample Frequency	Sample Type	Monitoring Location
001	AMMONIA NITROGEN (N)	1 TIME PER WEEK	GRAB	PRIOR TO DISCHARGE TO CITY SEWER
001	BIOCHEMICAL OXYGEN DEMAND (BOD5)	1 TIME PER WEEK	GRAB	PRIOR TO DISCHARGE TO CITY SEWER
001	FLOW	7/WEEK OR DAILY	24 HOUR COMPOSITE	PRIOR TO DISCHARGE TO CITY SEWER
001	NITROGEN, TOTAL KJELDAHL (AS N)	1 TIME PER WEEK	GRAB	PRIOR TO DISCHARGE TO CITY SEWER
001	OIL AND GREASE	1 TIME PER WEEK	GRAB	PRIOR TO DISCHARGE TO CITY SEWER
001	PH	1 TIME PER WEEK	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 TIME PER WEEK	GRAB	PRIOR TO DISCHARGE TO CITY SEWER

Facility Name: VINTON CITY OF STP

Permit Number: 0688001

BENTON COUNTY LANDFILL Special Monitoring Requirements

Outfall # Description

001 SANITARY LANDFILL LEACHATE

Please refer to pages 15 and 16 listing additional leachate monitoring requirements.

Facility Name: VINTON CITY OF STP
 Permit Number: 0688001

ADDITIONAL MONITORING REQUIREMENTS – BENTON COUNTY SANITARY LANDFILL

The permittee shall analyze a representative sample of the leachate discharge from the Benton County Sanitary Landfill at least annually for each of the pollutants listed below. Also, the permittee shall monitor the volume of waste discharged, pH, BOD5, TSS, Total Kjeldahl Nitrogen, ammonia nitrogen and oil and grease at the frequencies specified on page 13 of this permit.

Conventional Pollutants and Metals	Volatile Compounds	Acid Extractable Compounds
Biochemical Oxygen Demand (BOD ₅) Total Organic Carbon Total Dissolved Solids Total Suspended Solids Ammonia Nitrogen pH Arsenic, Total (as As) Barium, Total (as Ba) Cadmium, Total (as Cd) Chromium, Total (as Cr) Copper, Total (as Cu) Iron, Total (as Fe) Lead, Total (as Pb) Mercury, Total (as Hg) Nickel, Total (as Ni) Selenium, Total (as Se) Silver, Total (as Ag) Zinc, Total (as Zn)	<u>Method of Analysis:</u> EPA Methods 624 or 1624 Chloromethane (methyl chloride) Bromomethane (methyl bromide) Vinyl chloride Chloroethane (ethyl chloride) Methylene chloride (dichloromethane) 1,1-Dichloroethene (1,1-dichloroethylene) 1,1-Dichloroethane 1,2-Dichloroethene (1,2-dichloroethylene) Chloroform 1,2-Dichloroethane 1,1,1-Trichloroethane (methyl chloroform) Carbon tetrachloride Bromodichloromethane 1,1,2,2-Tetrachloroethane 1,2-Dichloropropane 1,3-Dichloropropane Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane Benzene 2-Chloroethyl vinyl ether Bromoform Tetrachloroethene Toluene Chlorobenzene Ethylbenzene	<u>Method of Analysis:</u> EPA Methods 625 or 1625 2-Chlorophenol 2-Nitrophenol 2,4-Dimethylphenol Benzoic acid 2,4-Dichlorophenol 4-Chloro-3-methylphenol 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2,4-Dinitrophenol 4-Nitrophenol 4,6-Dinitro-2-methylphenol Pentachlorophenol

Facility Name: VINTON CITY OF STP
 Permit Number: 0688001

Chlorinated Hydrocarbon Insecticides	Base/Neutral Compounds	Base/Neutral Compounds - continued
<u>Methods of Analysis:</u> EPA Methods 608 or 625 Beta BHC Delta BHC Gamma BHC Heptachlor Aldrin Heptachlor epoxide Endosulfan Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Endrin aldehyde Chlordane Toxaphene	<u>Methods of Analysis:</u> EPA Methods 625 or 1625 bis (2-chloroethyl) ether 1,3-Dichlorobenzene 1,4-Dichlorobenzene Benzyl alcohol 1,2-Dichlorobenzene bis (2-chloroisopropyl) ether N-Nitroso-dipropylamine Hexachloroethane Nitrobenzene Isophorone bis (2-chloroethoxy) methane 1,2,4-Trichlorobenzene Naphthalene Hexachlorobutadiene Hexachlorocyclopentadiene 2-Chloronaphthalene Dimethyl phthalate Acenaphthylene Acenaphthene Dibenzofuran 2,4-Dinitrotoluene 2,6-Dinitrotoluene Diethyl phthalate 4-Chlorophenyl phenyl ether Fluorene N-Nitrosodiphenylamine 4-Bromophenyl phenyl ether Hexachlorobenzene Phenanthrene Anthracene	Di-n-butyl phthalate Fluoranthene Pyrene Butyl benzyl phthalate 3,3'-Dichlorobenzidine Benzo (a) anthracene bis (2-ethylhexyl) phthalate Chrysene Di-n-octyl phthalate Benzo (b) fluoranthene Benzo (k) fluoranthene Benzo (a) pyrene Indeno (1,2,3-cd) pyrene Dibenz (a,h) anthracene Benzo (g,h,i) perylene
Polychlorinated Biphenyls <u>Methods of Analysis:</u> EPA Methods 608 or 625 Arochlor-1016 Arochlor-1221 Arochlor-1232 Arochlor-1242 Arochlor-1248 Arochlor-1254 Arochlor-1260		

Facility Name: VINTON CITY OF STP

Permit Number: 0688001

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 are to be used for acute toxicity testing shall be *Ceriodaphnia dubia* and *Pimephales promelas*. The acute toxicity testing procedures used to demonstrate compliance with permit limits shall be those listed in 40 CFR Part 136 and adopted by reference in rule 567 IAC 63.1(1). The method for measuring acute toxicity is specified in USEPA, October 2002, Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms, Fifth Edition. USEPA, Office of Water, Washington, D.C., EPA 821-R-02-012.
3. The diluted effluent sample must contain a minimum of 99.60 % effluent and no more than 0.40 % 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 monthly operation report. A toxic test result shall be indicated as a "2" on the monthly operation report. DNR Form 542-1381 shall also be submitted to the DNR field office along with the monthly operation report.

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 USEPA, October 2002, Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms, Fifth Edition, USEPA, Office of Water, Washington, D.C., EPA 821-R-02-012.

Facility Name: VINTON CITY OF STP

Permit Number: 0688001

Design Capacity

Design: 1

The design capacity for the treatment works is specified in Construction Permit Number 80-312-S, issued Saturday, November 29, 1980. The treatment plant is designed to treat:

- * An average dry weather (ADW) flow of 1.4800 Million Gallons Per Day (MGD).
- * An average wet weather (AWW) flow of 1.7900 Million Gallons Per Day (MGD).
- * A maximum wet weather (MWW) flow of 2.5300 Million Gallons Per Day (MGD).
- * A design 5-day biochemical oxygen demand (BOD5) load of 2168 lbs/day.
- * A design Total Kjeldahl Nitrogen (TKN) load of 199.00 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: VINTON CITY OF STP

Permit Number: 0688001

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: VINTON CITY OF STP

Permit Number: 0688001

MAJOR CONTRIBUTING INDUSTRIES LIMITATIONS, MONITORING AND REPORTING REQUIREMENTS

1. You are required to notify the department, in writing, of any of the following:

- (a) 180 days prior to the introduction of pollutants to your facility from a significant industrial user. A significant industrial user means an industrial user of a treatment works that:
 - (1) Discharges an average of 25,000 gallons per day or more of process wastewater excluding sanitary, noncontact cooling and boiler blowdown wastewater;
 - (2) Contributes a process waste stream which makes up five percent or more of the average dry weather hydraulic or organic capacity of the publicly-owned treatment works;
 - (3) Is subject to Categorical Pretreatment Standards under 40 CFR 403.6 and 40 CFR Chapter I, Subchapter N; or
 - (4) Is designated by the department as a significant industrial user on the basis that the contributing industry, either singly or in combination with other contributing industries, has a reasonable potential for adversely affecting the operation of or effluent quality from the publicly-owned treatment works or for violating any pretreatment standards or requirements.
- (b) 60 days prior to a proposed expansion, production increase or process modification that may result in the discharge of a new pollutant or a discharge in excess of limitations stated in the existing treatment agreement.
- (c) 10 days prior to any commitment by you to accept waste from any new significant industrial user. Your written notification must include a new or revised treatment agreement in accordance with rule 64.3(5)(455B).

2. You shall require all users of your facility to comply with Sections 204(b), 307 and 308 of the Clean Water Act.

Section 204(b) requires that all users of the treatment works constructed with funds provided under Sections 201(g) or 601 of the Act to pay their proportionate share of the costs of operation, maintenance and replacement of the treatment works.

Section 307 of the Act requires users to comply with pretreatment standards promulgated by EPA for pollutants that would cause interference with the treatment process or would pass through the treatment works.

Section 308 of the Act requires users to allow access at reasonable times to state and EPA inspectors for the purpose of sampling the discharge and reviewing and copying records.

3. You shall limit and monitor pollutants for each significant industrial user as required elsewhere in this permit, and submit sample results to the department monthly. Your report shall be submitted by the fifteenth day of the following month.

Revised: June 16, 2009 CAC

Facility Name: VINTON CITY OF STP

Permit Number: 0688001

Nutrient Reduction Strategy Construction Schedule

Total Nitrogen and Total Phosphorus – Outfall 001

The City of Vinton shall implement the strategy recommended in the Nutrient Reduction Strategy Feasibility Study report approved by the Department on August 9, 2017, for reducing total nitrogen and total phosphorus in the final effluent. Construction of improvements shall be implemented according to the following schedule:

- The City shall submit progress reports annually on **September 1st** with the next report being due by **September 1, 2020**. Progress reports must include status updates on the activities identified in the Feasibility Study report's recommended schedule.
- Complete construction of improvements by **January 1, 2027**.
- Complete 6 months of treatment plant optimization for nutrient reduction by **July 1, 2027**.
- Submit one year of at least weekly total nitrogen and total phosphorus sampling data from the raw waste and final effluent by **August 1, 2028**. The report must include the results of all monitoring for total nitrogen and total phosphorus in the raw waste and final effluent between July 1, 2027 and June 30, 2028.

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:

Ann Seda
Iowa Department of Natural Resources
502 East 9th Street
Des Moines, IA 50319

Iowa Department of Natural Resources
Environmental Services Division
Regional Office #1
909 West Main Street, Suite 4
Manchester, IA 52057

STANDARD CONDITIONS

1. ADMINISTRATIVE RULES

Rules of this Department that govern the operation of your facility in connection with this permit are published in Part 567 of the Iowa Administrative Code (IAC) in Chapters 60-65, 67, and 121. Reference to the term “rule” in this permit means the designated provision of Part 567 of the IAC. Reference to the term “CFR” means the Code of Federal Regulations.

2. DEFINITIONS

- (a) 7 day average means the sum of the total daily discharges by mass, volume, or concentration during a 7 consecutive day period, divided by the total number of days during the period that measurements were made. Four 7 consecutive day periods shall be used each month to calculate the 7-day average. The first 7-day period shall begin with the first day of the month.
- (b) 30 day average means the sum of the total daily discharges by mass, volume, or concentration during a calendar month, divided by the total number of days during the month that measurements were made.
- (c) Daily maximum means the total discharge by mass, volume, or concentration during a twenty-four hour period.

3. DUTY TO PROVIDE INFORMATION

You must furnish to the Director, within a reasonable time, any information the Director may request to determine compliance with this permit or determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, in accordance with 567 IAC 64.3(11)“c”. You must also furnish to the Director, upon request, copies of any records required to be kept by this permit.

4. MONITORING AND RECORDS OF OPERATION

- (a) Maintenance of records. You shall retain for a minimum of three years all paper and electronic records of monitoring activities and results including all original strip chart recordings for continuous monitoring instrumentation and calibration and maintenance records. *{See 567 IAC 63.2(3)}*
- (b) Any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000 or by imprisonment for not more than two years, or both. *{See 40 CFR 122.41(j)(5)}*

5. SIGNATORY REQUIREMENTS

Applications, reports or other information submitted to the Department in connection with this permit must be signed and certified in accordance with 567 IAC 64.3(8).

6. OTHER INFORMATION

Where you become aware that you failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application, you must promptly submit such facts or information. Where you become aware that you failed to submit any relevant facts in the submission of in any report to the director, including records of operation, you shall promptly submit such facts or information. *{See 567 IAC 60.4(2)“a” and 567 IAC 63.7}*

7. TRANSFER OF TITLE OR OWNER ADDRESS CHANGE

If title to your facility, or any part of it, is transferred the new owner shall be subject to this permit. You are required to notify the new owner of the requirements of this permit in writing prior to any transfer of title. The Director shall be notified in writing within 30 days of the transfer. No transfer of the authorization to discharge from the facility represented by the permit shall take place prior to notifying the department of the transfer of title. Whenever the address of the owner is changed, the department shall be notified in writing within 30 days of the address change. Electronic notification is not sufficient; all title transfers or address changes must be reported to the department by mail. *{See 567 IAC 64.14}*

8. PROPER OPERATION AND MAINTENANCE

All facilities and control systems shall be operated as efficiently as possible and maintained in good working order. A sufficient number of staff, adequately trained and knowledgeable in the operation of your facility shall be retained at all times and adequate laboratory controls and appropriate quality assurance procedures shall be provided to maintain compliance with the conditions of this permit. *{See 40 CFR 122.41(e) and 567 IAC 64.7(7)“f”}*

9. PERMIT MODIFICATION, SUSPENSION OR REVOCATION

- (a) This permit may be modified, suspended, or revoked and reissued for cause including but not limited to those specified in 567 IAC 64.3(11).
- (b) This permit may be modified due to conditions or information on which this permit is based, including any new standard the department may adopt that would change the required effluent limits. *{See 567 IAC 64.3(11)}*
- (c) If a toxic pollutant is present in your discharge and more stringent standards for toxic pollutants are established under Section 307(a) of the Clean Water Act, this permit will be modified in accordance with the new standards. *{See 40 CFR 122.62(a)(6) and 567 IAC 64.7(7)“g”}*

The filing of a request for a permit modification, revocation or suspension, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

10. DUTY TO REAPPLY AND PERMIT CONTINUATION

If you wish to continue to discharge after the expiration date of this permit, you must file a complete application for reissuance at least 180 days prior to the expiration date of this permit. If a timely and sufficient application is submitted, this permit will remain in effect until the Department makes a final determination on the permit application. *{See 567 IAC 64.8(1) and Iowa Code 17A.18}*

11. DUTY TO COMPLY

You must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act and is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Issuance of this permit does not relieve you of the responsibility to comply with all local, state and federal laws, ordinances, regulations or other legal requirements applying to the operation of your facility. *{See 40 CFR 122.41(a) and 567 IAC 64.7(4)“e”}*

STANDARD CONDITIONS

12. DUTY TO MITIGATE

You shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. *{See 40 CFR 122.41(d) and 567 IAC 64.7(7)“i”}*

13. TWENTY-FOUR HOUR REPORTING

You shall report any noncompliance that may endanger human health or the environment, including, but not limited to, violations of maximum daily limits for any toxic pollutant (listed as toxic under 307(a)(1) of the Clean Water Act) or hazardous substance (as designated in 40 CFR Part 116 pursuant to 311 of the Clean Water Act). Information shall be provided orally within 24 hours from the time you become aware of the circumstances. A written submission that includes a description of noncompliance and its cause; the period of noncompliance including exact dates and times, whether the noncompliance has been corrected or the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent a reoccurrence of the noncompliance must be provided within 5 days of the occurrence. *{See 567 IAC 63.12}*

14. OTHER NONCOMPLIANCE

You shall report all instances of noncompliance not reported under Condition #13 at the time monitoring reports are submitted. You shall give advance notice to the appropriate regional field office of the department of any planned activity which may result in noncompliance with permit requirements. *{See 567 IAC 63.14}*

15. INSPECTION OF PREMISES, RECORDS, EQUIPMENT, METHODS AND DISCHARGES

You are required to permit authorized personnel to:

- (a) Enter upon the premises where a regulated facility or activity is located or conducted or where records are kept under conditions of this permit;
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) Inspect, at reasonable times, any facilities, equipment, practices or operations regulated or required under this permit; and
- (d) Sample or monitor, at reasonable times, to assure compliance or as otherwise authorized by the Clean Water Act.

16. FAILURE TO SUBMIT FEES

This permit may be revoked, in whole or in part, if the appropriate permit fees are not submitted within thirty (30) days of the date of notification that such fees are due. *{See 567 IAC 64.16(1)}*

17. NEED TO HALT OR REDUCE ACTIVITY

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. *{See 40 CFR 122.41(c) and 567 IAC 64.7(7)“j”}*

18. NOTICE OF CHANGED CONDITIONS

You are required to notify the director of any changes in existing conditions or information on which this permit is based. This includes, but is not limited to, the following:

- (a) If your facility is a publicly owned treatment works (POTW) or otherwise may accept waste for treatment from an indirect discharger or industrial contributor (See 567 IAC 64.3(5) for further notice requirements).
- (b) If your facility is a POTW and there is any substantial change in the volume or character of pollutants being introduced to the POTW by a source introducing pollutants into the POTW at the time of issuance of the permit. *{See 40 CFR 122.42(b)}*
- (c) As soon as you know or have reason to believe that any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in this permit. *{See 40 CFR 122.42(a)}*
- (d) If you have begun or will begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the permit application.

19. PLANNED CHANGES

The permittee shall give notice to the appropriate regional field office of the department 30 days prior to any planned physical alterations or additions to the permitted facility. Notice is required only when:

- (a) Notice has not been given to any other section of the department. (Note: Facility expansions, production increases, or process modifications which may result in new or increased discharges of pollutants must be reported to the Director in advance. If such discharges will exceed effluent limitations, your report must include an application for a new permit. If any modification of, addition to, or construction of a disposal system is to be made, you must first obtain a written permit from this Department. In addition, no construction activity that will result in disturbance of one acre or more shall be initiated without first obtaining coverage under NPDES General Permit No. 2 for “Storm water discharge associated with construction activity.”) *{See 567 IAC 64.7(7)“a” and 64.2}*
- (b) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source as defined in 567 IAC 60.2;
- (c) The alteration or addition results in a significant change in the permittee’s sludge use or disposal practices; or
- (d) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants that are not subject to effluent limitations in the permit. *{See 567 IAC 63.13 and 63.14}*

20. USE OF CERTIFIED LABORATORIES

Analyses of wastewater, groundwater or sewage sludge that are required to be submitted to the department as a result of this permit must be performed by a laboratory certified by the State of Iowa. Routine, on-site monitoring for pH, temperature, dissolved oxygen, total residual chlorine and other pollutants that must be analyzed immediately upon sample collection, settleable solids, physical measurements, and operational monitoring tests specified in 567 IAC 63.3(4) are excluded from this requirement.

STANDARD CONDITIONS

21. BYPASSES

- (a) Definition. “Bypass” means the diversion of waste streams from any portion of a treatment facility or collection system. A bypass does not include internal operational waste stream diversions that are part of the design of the treatment facility, maintenance diversions where redundancy is provided, diversions of wastewater from one point in a collection system to another point in a collection system, or wastewater backups into buildings that are caused in the building lateral or private sewer line.
- (b) Prohibitions.
 - i. Bypasses from any portion of a treatment facility or from a sanitary sewer collection system designed to carry only sewage are prohibited.
 - ii. Bypass is prohibited and the department may not assess a civil penalty against a permittee for bypass if the permittee has complied with all of the following:
 - (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and
 - (2) There were no feasible alternatives to the bypass such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
 - (3) The permittee submitted notices as required by paragraph (d) of this section.
- (c) The Director may approve an anticipated bypass after considering its adverse effects if the Director determines that it will meet the three conditions listed above and a request for bypass has been submitted to the Department in accordance with 567 IAC 63.6(2).
- (d) Reporting bypasses. Bypasses shall be reported in accordance with 567 IAC 63.6.

22. UPSET PROVISION

- (a) Definition. “Upset” means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
- (b) Effect of an upset. An upset constitutes an affirmative defense in an action brought for noncompliance with such technology based permit effluent limitations if the requirements of paragraph “c” of this condition are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.

- (c) Conditions necessary for demonstration of an upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate through properly signed operating logs or other relevant evidence that:
 - 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 in accordance with 567 IAC 63.6(6)”b”.
- (d) Burden of Proof. In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.

23. PROPERTY RIGHTS

This permit does not convey any property rights of any sort or any exclusive privilege. **{See 567 IAC 64.4(3)“b”}**

24. EFFECT OF A PERMIT

Compliance with a permit during its term constitutes compliance, for purposes of enforcement, with Sections 301, 302, 306, 307, 318, 403 and 405(a)-(b) of the Clean Water Act, and equivalent limitations and standards set out in 567 IAC Chapters 61 and 62. **{See 567 IAC 64.4(3)“a”}**

25. SEVERABILITY

The provisions of this permit are severable and if any provision or application of any provision to any circumstance is found to be invalid by this department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding.

Appendix G.3-
Leachate Treatment Agreement with Blairstown

March 20, 2025

Levi Wagner
City of Blainstown
309 Locust St
Blainstown, IA 52209
via email to: waterbtown@gmail.com

Re: SIU 0607001-01 – Benton County Solid Waste Disposal Commission

Dear Levi Wagner:

The department has received and reviewed a Treatment Agreement (TA) between the City of Blainstown and the Benton County Solid Waste Disposal Commission. The TA is acceptable to the department. The effective date of this TA is 3/20/2025, the date it was accepted by the department.

The city's NPDES permit must be amended to incorporate the new TA; there is an \$85 amendment fee. The enclosed invoice is addressed to Blainstown, but nothing in DNR rules prevents the POTW from passing the fee on to the industry. The amendment will be processed after we receive the fee.

Until the NPDES permit is amended, you must perform the following monitoring of the SIU's discharge:

- Flow measurement (daily),
- pH measurement (weekly), and
- Analysis for BOD₅, TSS, TKN, NH₃-N, and O&G (weekly).

Results of all monitoring conducted from January through June must be submitted to the department no later than July 15th of the calendar year. Results of all monitoring conducted from July through December must be submitted to the department no later than January 15th of the following year. Results shall be submitted to npdes.mail@dnr.iowa.gov. Results shall also be submitted to the city.

If you have questions or comments please contact me at 515-805-8083 or julie.faas@dnr.iowa.gov.

Sincerely,

Julie Faas
NPDES Section

cc: Eric Werner, Benton County Solid Waste Disposal Commission – via email to: bentonlandfill@netins.net
Eldon Schneider, origin design – via email to: eldon.schneider@origindesign.com
Brian McNulty, City of Blainstown – via email to: bcity@netins.net
Michele Smith, Iowa DNR FO1 – via email to: michele.smith@dnr.iowa.gov

Appendix G.4 –
Laboratory Testing Data
Current Year

Annual Leachate Test



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1518

Project Description

Leachate

For:

Todd Whipple

HLW Engineering

204 West Broad St

Story City, IA 50248

Heather Murphy

Customer Relationship Specialist

Wednesday, June 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.

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

1IC1518

HLW Engineering

Todd Whipple
204 West Broad St
Story City, IA 50248

Project Name: Leachate

Project / PO Number: N/A
Received: 03/24/2025
Reported: 06/18/2025

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	1IC1518-01	Aqueous	GRAB		03/24/25 10:49	03/24/25 12:27



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1518

Analytical Testing Parameters

Client Sample ID:	Leachate	Collected By:	Werner, Eric
Sample Matrix:	Aqueous	Collection Date:	03/24/2025 10:49
Lab Sample ID:	1IC1518-01		

Determination of Volatile Organic Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030B/EPA 624.1							
Chloromethane	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
Vinyl Chloride	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
Bromomethane	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
Chloroethane	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
1,1-Dichloroethylene	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
Methylene Chloride	<5.0	5.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
1,1-Dichloroethane	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
Chloroform	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
1,1,1-Trichloroethane	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
Carbon Tetrachloride	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
Benzene	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
1,2-Dichloroethane	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
Trichloroethylene	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
1,2-Dichloropropane	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
Bromodichloromethane	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
2-Chloroethylvinyl ether	<10.0	10.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
cis-1,3-Dichloropropene	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
Toluene	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
trans-1,3-Dichloropropene	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
1,1,2-Trichloroethane	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
Tetrachloroethylene	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
Dibromochloromethane	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
Chlorobenzene	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
Ethylbenzene	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
Bromoform	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L		03/25/25 0000	03/25/25 1823	CSM
Surrogate: 1,2-Dichloroethane-d4	100	Limit: 56-130	% Rec		03/25/25 0000	03/25/25 1823	CSM
Surrogate: Toluene-d8	103	Limit: 85-113	% Rec		03/25/25 0000	03/25/25 1823	CSM
Surrogate: 4-Bromofluorobenzene	95.5	Limit: 82-112	% Rec		03/25/25 0000	03/25/25 1823	CSM

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 625.1							
Bis(2-Chloroethyl) Ether	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
2-Chlorophenol	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
1,3-Dichlorobenzene	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
1,4-Dichlorobenzene	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Benzyl Alcohol	<10	10	ug/L	Q8	03/26/25 1328	03/31/25 2016	EPP
1,2-Dichlorobenzene	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP

Microbac Laboratories, Inc., Newton

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1518

Client Sample ID: Leachate
Sample Matrix: Aqueous
Lab Sample ID: 1IC1518-01

Collected By: Werner, Eric
Collection Date: 03/24/2025 10:49

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Bis[2-Chloroisopropyl]ether	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
n-Nitroso-di-n-propylamine	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Hexachloroethane	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Nitrobenzene	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Isophorone	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
2-Nitrophenol	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
2,4-Dimethylphenol	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Bis (2-Chloroethoxy) Methane	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Benzoic acid	<50	50	ug/L		03/26/25 1328	03/31/25 2016	EPP
2,4-Dichlorophenol	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
1,2,4-Trichlorobenzene	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Naphthalene	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Hexachlorobutadiene	<20	20	ug/L		03/26/25 1328	03/31/25 2016	EPP
4-Chloro-3-methylphenol	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Hexachlorocyclopentadiene	<20	20	ug/L		03/26/25 1328	03/31/25 2016	EPP
2,4,6-Trichlorophenol	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
2,4,5-Trichlorophenol	<50	50	ug/L		03/26/25 1328	03/31/25 2016	EPP
2-Chloronaphthalene	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Dimethylphthalate	<15	15	ug/L		03/26/25 1328	03/31/25 2016	EPP
Acenaphthylene	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
2,6-Dinitrotoluene	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Acenaphthene	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
2,4-Dinitrophenol	<20	20	ug/L		03/26/25 1328	03/31/25 2016	EPP
Dibenzofuran	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
2,4-Dinitrotoluene	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
4-Nitrophenol	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Diethyl Phthalate	<30	30	ug/L		03/26/25 1328	03/31/25 2016	EPP
Fluorene	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
4-Chlorophenyl Phenyl Ether	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
4,6-Dinitro-2-methylphenol	<20	20	ug/L		03/26/25 1328	03/31/25 2016	EPP
N-Nitrosodiphenylamine	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
4-Bromophenyl Phenyl Ether	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Hexachlorobenzene	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Pentachlorophenol	<20	20	ug/L		03/26/25 1328	03/31/25 2016	EPP
Phenanthrene	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Anthracene	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Di-n-butyl Phthalate	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Fluoranthene	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Pyrene	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Butyl Benzyl Phthalate	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Benzo(a)anthracene	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Chrysene	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Bis(2-Ethylhexyl) Phthalate	<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP

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Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11C1518

Client Sample ID: Leachate
Sample Matrix: Aqueous
Lab Sample ID: 11C1518-01

Collected By: Werner, Eric
Collection Date: 03/24/2025 10:49

Determination of Base/Neutral/Acid Extractable Compounds		Result	RL	Units	Note	Prepared	Analyzed	Analyst
Di-n-octyl Phthalate		<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Indeno(1,2,3-cd)Pyrene		<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
3,3'-Dichlorobenzidine		<20	20	ug/L		03/26/25 1328	03/31/25 2016	EPP
Benzo(b)Fluoranthene		<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Benzo(k)Fluoranthene		<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Benzo(a)Pyrene		<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Dibenzo(a,h)anthracene		<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Benzo(g,h,i)perylene		<10	10	ug/L		03/26/25 1328	03/31/25 2016	EPP
Surrogate: 2-Fluorophenol	85.4	Limit: 16-140	% Rec			03/26/25 1328	03/31/25 2016	EPP
Surrogate: Phenol-d6	84.2	Limit: 13-147	% Rec			03/26/25 1328	03/31/25 2016	EPP
Surrogate: Nitrobenzene-d5	83.3	Limit: 17-150	% Rec			03/26/25 1328	03/31/25 2016	EPP
Surrogate: 2-Fluorobiphenyl	83.8	Limit: 15-134	% Rec			03/26/25 1328	03/31/25 2016	EPP
Surrogate: 2,4,6-Tribromophenol	103	Limit: 20-158	% Rec			03/26/25 1328	03/31/25 2016	EPP
Surrogate: Terphenyl-dl4	67.6	Limit: 12-157	% Rec			03/26/25 1328	03/31/25 2016	EPP

Determination of Organochlorine Insecticides & PCBs		Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 608.3 GC-ECD								
Gamma-BHC [Lindane]		<0.25	0.25	ug/L		03/31/25 1248	04/07/25 1034	EPP
Beta-BHC		<0.25	0.25	ug/L		03/31/25 1248	04/07/25 1034	EPP
Heptachlor		<0.25	0.25	ug/L		03/31/25 1248	04/07/25 1034	EPP
Delta-BHC		<0.25	0.25	ug/L		03/31/25 1248	04/07/25 1034	EPP
Aldrin		<0.25	0.25	ug/L		03/31/25 1248	04/07/25 1034	EPP
Heptachlor Epoxide		<0.25	0.25	ug/L		03/31/25 1248	04/07/25 1034	EPP
Endosulfan I		<0.25	0.25	ug/L		03/31/25 1248	04/07/25 1034	EPP
4,4'-DDE		<0.25	0.25	ug/L		03/31/25 1248	04/07/25 1034	EPP
Dieldrin		<0.25	0.25	ug/L		03/31/25 1248	04/07/25 1034	EPP
Endrin		<0.25	0.25	ug/L		03/31/25 1248	04/07/25 1034	EPP
4,4'-DDD		<0.25	0.25	ug/L		03/31/25 1248	04/07/25 1034	EPP
Endosulfan II		<0.25	0.25	ug/L		03/31/25 1248	04/07/25 1034	EPP
4,4'-DDT		<0.25	0.25	ug/L		03/31/25 1248	04/07/25 1034	EPP
Endrin Aldehyde		<0.25	0.25	ug/L		03/31/25 1248	04/07/25 1034	EPP
Endosulfan Sulfate		<0.25	0.25	ug/L		03/31/25 1248	04/07/25 1034	EPP
Chlordane		<0.50	0.50	ug/L		03/31/25 1248	04/07/25 1034	EPP
Toxaphene		<1.00	1.00	ug/L		03/31/25 1248	04/07/25 1034	EPP
Arochlor 1016		<1.00	1.00	ug/L		03/31/25 1248	04/07/25 1034	EPP
Arochlor 1221		<1.00	1.00	ug/L		03/31/25 1248	04/07/25 1034	EPP
Arochlor 1232		<1.00	1.00	ug/L		03/31/25 1248	04/07/25 1034	EPP
Arochlor 1242		<1.00	1.00	ug/L		03/31/25 1248	04/07/25 1034	EPP
Arochlor 1248		<1.00	1.00	ug/L		03/31/25 1248	04/07/25 1034	EPP
Arochlor 1254		<1.00	1.00	ug/L		03/31/25 1248	04/07/25 1034	EPP
Arochlor 1260		<1.00	1.00	ug/L		03/31/25 1248	04/07/25 1034	EPP
Surrogate: Decachlorobiphenyl	87.1	Limit: 12-130	% Rec			03/31/25 1248	04/07/25 1034	EPP
Surrogate: Tetrachloro-m-xylene	80.2	Limit: 31-116	% Rec			03/31/25 1248	04/07/25 1034	EPP

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CERTIFICATE OF ANALYSIS

11C1518

Client Sample ID: Leachate
Sample Matrix: Aqueous
Lab Sample ID: 11C1518-01

Collected By: Werner, Eric
Collection Date: 03/24/2025 10:49

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
5310B							
Total Organic Carbon	143	25.0	mg/L		03/26/25 0000	03/26/25 1621	CSM
SM 4500-H+ B-2011							
pH	7.8	0.5	pH	H4	03/25/25 1500	03/25/25 1509	BSS
SM 5210 B-2016							
BOD (5 day)	35	6	mg/L		03/25/25 1252	03/25/25 1536	MND
TIMBERLINE							
Nitrogen, Ammonia	235	10.0	mg/L		03/26/25 0912	03/26/25 1155	SDF
USGS I-1750-85							
Total Dissolved Solids (TDS)	2640	5	mg/L		03/25/25 1244	03/25/25 1458	MSP
USGS I-3765-85							
Total Suspended Solids (TSS)	60	13	mg/L		03/25/25 0739	03/25/25 1550	MSP
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
200.7							
Iron, total	8.14	0.100	mg/L		03/26/25 1533	03/27/25 2356	JAR
245.1							
Mercury, total	<0.00050	0.00050	mg/L		03/25/25 1549	03/26/25 1401	JAR
EPA 200.8, Rv. 5.4 (1994)							
Arsenic, total	0.0168	0.0020	mg/L		04/07/25 1628	04/09/25 1820	KKJ
Barium, total	0.348	0.0010	mg/L		04/07/25 1628	06/16/25 1716	RVV
Cadmium, total	<0.0002	0.0002	mg/L		04/07/25 1628	04/09/25 1820	KKJ
Chromium, total	0.0136	0.0010	mg/L		04/07/25 1628	06/16/25 1716	RVV
Copper, total	0.0026	0.0020	mg/L		04/07/25 1628	04/09/25 1820	KKJ
Lead, total	0.0016	0.0008	mg/L		04/07/25 1628	04/09/25 1820	KKJ
Nickel, total	0.0795	0.0010	mg/L		04/07/25 1628	06/16/25 1716	RVV
Selenium, total	<0.0020	0.0020	mg/L		04/07/25 1628	06/16/25 1716	RVV
Silver, total	<0.0020	0.0020	mg/L		04/07/25 1628	04/09/25 1820	KKJ
Zinc, total	<0.0200	0.0200	mg/L		04/07/25 1628	04/09/25 1820	KKJ



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Batch Log Summary

Method	Batch	Laboratory ID	Client / Source ID
USGS I-3765-85	1IC1224	1IC1518-01	Leachate
		1IC1224-BS1	
		1IC1224-DUP1	1IC1546-01
		1IC1224-BLK1	
Method	Batch	Laboratory ID	Client / Source ID
USGS I-1750-85	1IC1245	1IC1245-BLK1	
		1IC1245-DUP1	1IC1518-01
		1IC1245-BS1	
		1IC1518-01	Leachate
Method	Batch	Laboratory ID	Client / Source ID
SM 5210 B-2016	1IC1248	1IC1248-BLK1	
		1IC1248-SRM1	
		1IC1518-01	Leachate
		1IC1248-DUP1	1IC1535-01
Method	Batch	Laboratory ID	Client / Source ID
SM 4500-H+ B-2011	1IC1267	1IC1518-01	Leachate
		1IC1267-SRM2	
		1IC1267-SRM1	
		1IC1267-DUP1	1IC1518-01
Method	Batch	Laboratory ID	Client / Source ID
245.1	1IC1271	1IC1271-BLK1	
		1IC1271-BS1	
		1IC1518-01	Leachate
		1IC1271-MS1	1IC1518-01
		1IC1271-MSD1	1IC1518-01
Method	Batch	Laboratory ID	Client / Source ID
TIMBERLINE	1IC1302	1IC1302-BLK2	
		1IC1302-BS2	
		1IC1302-MS2	1IC1495-01
		1IC1302-MSD2	1IC1495-01
		1IC1518-01	Leachate
Method	Batch	Laboratory ID	Client / Source ID
EPA 624.1	1IC1303	1IC1303-BS1	
		1IC1303-BSD1	
		1IC1303-BLK1	



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CERTIFICATE OF ANALYSIS

1IC1518

EPA 624.1	1IC1303	1IC1518-01	Leachate
		1IC1303-MS1	1IC1195-01
		1IC1303-MSD1	1IC1195-01

Method	Batch	Laboratory ID	Client / Source ID
EPA 625.1	1IC1321	1IC1321-BLK1	
		1IC1321-BS1	
		1IC1321-BSD1	
		1IC1518-01	Leachate

Method	Batch	Laboratory ID	Client / Source ID
200.7	1IC1340	1IC1340-BLK1	
		1IC1340-BS1	
		1IC1340-MS1	1IC1370-01
		1IC1340-MSD1	1IC1370-01
		1IC1340-PS1	1IC1370-01
		1IC1518-01	Leachate

Method	Batch	Laboratory ID	Client / Source ID
5310B	1IC1376	1IC1376-BSD1	
		1IC1376-BLK1	
		1IC1376-BS1	
		1IC1518-01	Leachate
		1IC1376-MS1	1IC0692-01
		1IC1376-MSD1	1IC0692-01

Method	Batch	Laboratory ID	Client / Source ID
EPA 608.3 GC-ECD	1IC1517	1IC1517-BLK1	
		1IC1517-BS1	
		1IC1517-BSD1	
		1IC1517-SRM1	
		1IC1518-01	Leachate

Method	Batch	Laboratory ID	Client / Source ID
EPA 200.8, Rv. 5.4 (1994)	1ID0318	1ID0318-BLK2	
		1ID0318-BS2	
		1ID0318-MS2	1IC1469-02RE1
		1ID0318-MSD2	1IC1469-02RE1
		1ID0318-PS2	1IC1469-02RE1
		1ID0318-BLK1	
		1ID0318-BS1	
		1ID0318-MS1	1IC1469-02
		1ID0318-MSD1	1IC1469-02
		1ID0318-PS1	1IC1469-02



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1IC1518

EPA 200.8, Rv. 5.4 (1994)	1ID0318	1IC1518-01	Leachate
		1ID0318-BLK3	
		1ID0318-MS3	1IC1469-02RE2
		1ID0318-MSD3	1IC1469-02RE2
		1ID0318-BS3	
		1IC1518-01RE1	Leachate

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 1IC1303 - EPA 5030B - EPA 624.1										
Blank (1IC1303-BLK1)										
Prepared: 03/25/25 00:00 Analyzed: 03/25/25 13:03										
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							
1,1-Dichloroethylene	<1.0	1.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Benzene	<1.0	1.0	ug/L							
1,2-Dichloroethane	<1.0	1.0	ug/L							
Trichloroethylene	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
2-Chloroethylvinyl ether	<10.0	10.0	ug/L							
cis-1,3-Dichloropropene	<1.0	1.0	ug/L							
Toluene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene	<1.0	1.0	ug/L							
Dibromochloromethane	<1.0	1.0	ug/L							
Chlorobenzene	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
Surrogate: 1,2-Dichloroethane-d4	39.3		ug/L	50.1		78.4	56-130			
Surrogate: Toluene-d8	53.7		ug/L	50.4		107	85-113			
Surrogate: 4-Bromofluorobenzene	47.0		ug/L	50.1		93.7	82-112			

LCS (1IC1303-BS1)

Prepared: 03/25/25 00:00 Analyzed: 03/25/25 11:56

Chloromethane	29.78	1.0	ug/L	30.3	98.2	5-205

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1303 - EPA 5030B - EPA 624.1										
LCS (1IC1303-BS1) Prepared: 03/25/25 00:00 Analyzed: 03/25/25 11:56										
Vinyl Chloride	31.31	1.0	ug/L	30.2		104	5-195			
Bromomethane	29.33	1.0	ug/L	30.1		97.4	15-185			
Chloroethane	30.87	1.0	ug/L	30.3		102	40-160			
1,1-Dichloroethylene	52.21	1.0	ug/L	50.1		104	50-150			
Methylene Chloride	45.95	5.0	ug/L	50.1		91.7	60-140			
trans-1,2-Dichloroethylene	51.79	1.0	ug/L	50.1		103	70-130			
1,1-Dichloroethane	50.85	1.0	ug/L	50.1		101	70-130			
cis-1,2-Dichloroethylene	50.62	1.0	ug/L	50.4		101	57-148			
2-Butanone (MEK)	86.01	10.0	ug/L	100		86.0	44-134			
Chloroform	49.51	1.0	ug/L	50.1		98.9	70-135			
1,1,1-Trichloroethane	53.77	1.0	ug/L	50.1		107	70-130			
Carbon Tetrachloride	52.79	1.0	ug/L	50.1		105	70-130			
Benzene	48.09	1.0	ug/L	50.4		95.4	65-135			
1,2-Dichloroethane	48.71	1.0	ug/L	50.1		97.3	70-130			
Trichloroethylene	48.75	1.0	ug/L	50.1		97.3	65-135			
1,2-Dichloropropane	47.76	1.0	ug/L	50.1		95.3	35-165			
Dibromomethane	50.05	1.0	ug/L	50.4		99.4	71-139			
Bromodichloromethane	49.87	1.0	ug/L	50.1		99.6	65-135			
2-Chloroethylvinyl ether	92.36	10.0	ug/L	100		92.4	5-225			
cis-1,3-Dichloropropene	48.69	1.0	ug/L	50.1		97.2	25-175			
Toluene	52.93	1.0	ug/L	50.5		105	70-130			
trans-1,3-Dichloropropene	47.49	1.0	ug/L	50.1		94.8	50-150			
1,1,2-Trichloroethane	43.81	1.0	ug/L	50.1		87.5	70-130			
Tetrachloroethylene	49.50	1.0	ug/L	50.1		98.8	70-130			
Dibromochloromethane	47.93	1.0	ug/L	50.1		95.7	70-135			
Chlorobenzene	47.19	1.0	ug/L	50.1		94.2	65-135			
Ethylbenzene	52.43	1.0	ug/L	50.2		105	60-140			
Xylenes, total	156.7	2.0	ug/L	151		104	79-126			
Bromoform	46.42	1.0	ug/L	50.1		92.6	70-130			
1,1,2,2-Tetrachloroethane	44.04	1.0	ug/L	50.1		87.9	60-140			
1,3-Dichlorobenzene	47.97	1.0	ug/L	50.1		95.8	70-130			
1,4-Dichlorobenzene	45.26	1.0	ug/L	50.1		90.3	65-135			
1,2-Dichlorobenzene	45.05	1.0	ug/L	50.1		89.9	65-135			
Surrogate: Dibromofluoromethane	49.3		ug/L	50.2		98.3	59-123			
Surrogate: 1,2-Dichloroethane-d4	49.6		ug/L	50.1		99.0	56-130			
Surrogate: Toluene-d8	51.1		ug/L	50.4		101	85-113			
Surrogate: 4-Bromofluorobenzene	48.1		ug/L	50.1		95.9	82-112			
LCS Dup (1IC1303-BSD1) Prepared: 03/25/25 00:00 Analyzed: 03/25/25 12:18										
Chloromethane	31.21	1.0	ug/L	30.3		103	5-205	4.69	19	
Vinyl Chloride	31.97	1.0	ug/L	30.2		106	5-195	2.09	26	
Bromomethane	30.94	1.0	ug/L	30.1		103	15-185	5.34	20	
Chloroethane	31.35	1.0	ug/L	30.3		103	40-160	1.54	22	

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CERTIFICATE OF ANALYSIS

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1303 - EPA 5030B - EPA 624.1										
LCS Dup (1IC1303-BSD1)										
Prepared: 03/25/25 00:00 Analyzed: 03/25/25 12:18										
1,1-Dichloroethylene	56.91	1.0	ug/L	50.1		114	50-150	8.61	19	
Methylene Chloride	51.65	5.0	ug/L	50.1		103	60-140	11.7	17	
trans-1,2-Dichloroethylene	56.57	1.0	ug/L	50.1		113	70-130	8.82	17	
1,1-Dichloroethane	57.69	1.0	ug/L	50.1		115	70-130	12.6	17	
cis-1,2-Dichloroethylene	57.63	1.0	ug/L	50.4		114	57-148	13.0	21	
2-Butanone (MEK)	112.8	10.0	ug/L	100		113	44-134	26.9	30	
Chloroform	58.34	1.0	ug/L	50.1		116	70-135	16.4	17	
1,1,1-Trichloroethane	56.77	1.0	ug/L	50.1		113	70-130	5.43	30	
Carbon Tetrachloride	55.45	1.0	ug/L	50.1		111	70-130	4.92	19	
Benzene	51.29	1.0	ug/L	50.4		102	65-135	6.44	17	
1,2-Dichloroethane	58.97	1.0	ug/L	50.1		118	70-130	19.1	15	R1
Trichloroethylene	52.13	1.0	ug/L	50.1		104	65-135	6.70	18	
1,2-Dichloropropane	55.69	1.0	ug/L	50.1		111	35-165	15.3	17	
Dibromomethane	58.96	1.0	ug/L	50.4		117	71-139	16.3	27	
Bromodichloromethane	59.05	1.0	ug/L	50.1		118	65-135	16.9	14	R1
2-Chloroethylvinyl ether	117.4	10.0	ug/L	100		117	5-225	23.9	26	
cis-1,3-Dichloropropene	58.01	1.0	ug/L	50.1		116	25-175	17.5	30	
Toluene	55.78	1.0	ug/L	50.5		111	70-130	5.24	17	
trans-1,3-Dichloropropene	57.69	1.0	ug/L	50.1		115	50-150	19.4	20	
1,1,2-Trichloroethane	55.37	1.0	ug/L	50.1		111	70-130	23.3	18	R1
Tetrachloroethylene	49.25	1.0	ug/L	50.1		98.3	70-130	0.506	16	
Dibromochloromethane	57.54	1.0	ug/L	50.1		115	70-135	18.2	13	R1
Chlorobenzene	51.07	1.0	ug/L	50.1		102	65-135	7.90	18	
Ethylbenzene	53.84	1.0	ug/L	50.2		107	60-140	2.65	17	
Xylenes, total	164.4	2.0	ug/L	151		109	79-126	4.83	18	
Bromoform	57.43	1.0	ug/L	50.1		115	70-130	21.2	21	R1
1,1,2,2-Tetrachloroethane	53.69	1.0	ug/L	50.1		107	60-140	19.7	30	
1,3-Dichlorobenzene	52.66	1.0	ug/L	50.1		105	70-130	9.32	15	
1,4-Dichlorobenzene	50.09	1.0	ug/L	50.1		99.9	65-135	10.1	15	
1,2-Dichlorobenzene	52.44	1.0	ug/L	50.1		105	65-135	15.2	15	R1
Surrogate: Dibromofluoromethane	55.4		ug/L	50.2		110	59-123			
Surrogate: 1,2-Dichloroethane-d4	55.3		ug/L	50.1		110	56-130			
Surrogate: Toluene-d8	50.9		ug/L	50.4		101	85-113			
Surrogate: 4-Bromofluorobenzene	52.3		ug/L	50.1		104	82-112			
Matrix Spike (1IC1303-MS1)										
Source: 1IC1195-01										
Prepared: 03/25/25 00:00 Analyzed: 03/25/25 18:45										
Chloromethane	331.7	10.0	ug/L	303	ND	109	5-273			
Vinyl Chloride	340.0	10.0	ug/L	302	ND	112	5-251			
Bromomethane	301.2	10.0	ug/L	301	ND	100	5-242			
Chloroethane	334.4	10.0	ug/L	303	ND	110	14-230			
1,1-Dichloroethylene	605.1	10.0	ug/L	501	ND	121	5-235			
Methylene Chloride	538.6	50.0	ug/L	501	ND	107	5-221			
trans-1,2-Dichloroethylene	598.3	10.0	ug/L	501	ND	119	54-156			

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CERTIFICATE OF ANALYSIS

1IC1518

Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1303 - EPA 5030B - EPA 624.1										
Matrix Spike (1IC1303-MS1)	Source: 1IC1195-01			Prepared: 03/25/25 00:00 Analyzed: 03/25/25 18:45						
1,1-Dichloroethane	605.3	10.0	ug/L	501	ND	121	59-155			
cis-1,2-Dichloroethylene	613.8	10.0	ug/L	504	ND	122	42-168			
2-Butanone (MEK)	1223	100	ug/L	1000	ND	122	57-133			
Chloroform	606.2	10.0	ug/L	501	ND	121	51-138			
1,1,1-Trichloroethane	603.7	10.0	ug/L	501	ND	120	52-162			
Carbon Tetrachloride	592.4	10.0	ug/L	501	ND	118	70-140			
Benzene	535.2	10.0	ug/L	504	ND	106	37-151			
1,2-Dichloroethane	604.5	10.0	ug/L	501	ND	121	59-155			
Trichloroethylene	543.9	10.0	ug/L	501	ND	109	70-157			
1,2-Dichloropropane	566.4	10.0	ug/L	501	ND	113	5-210			
Dibromomethane	616.3	10.0	ug/L	504	ND	122	62-141			
Bromodichloromethane	600.7	10.0	ug/L	501	ND	120	35-155			
2-Chloroethylvinyl ether	<100	100	ug/L	1000	ND		5-305			Q11
cis-1,3-Dichloropropene	563.2	10.0	ug/L	501	ND	112	5-227			
Toluene	575.3	10.0	ug/L	505	ND	114	47-150			
trans-1,3-Dichloropropene	575.3	10.0	ug/L	501	ND	115	17-183			
1,1,2-Trichloroethane	570.0	10.0	ug/L	501	ND	114	52-150			
Tetrachloroethylene	504.1	10.0	ug/L	501	ND	101	64-148			
Dibromochloromethane	581.6	10.0	ug/L	501	ND	116	53-149			
Chlorobenzene	516.2	10.0	ug/L	501	ND	103	37-160			
Ethylbenzene	549.8	10.0	ug/L	502	ND	110	79-119			
Xylenes, total	1653	20.0	ug/L	1510	ND	109	80-120			
Bromoform	595.2	10.0	ug/L	501	ND	119	45-169			
1,1,2,2-Tetrachloroethane	557.7	10.0	ug/L	501	ND	111	46-157			
1,3-Dichlorobenzene	517.1	10.0	ug/L	501	ND	103	59-156			
1,4-Dichlorobenzene	499.0	10.0	ug/L	501	ND	99.6	18-190			
1,2-Dichlorobenzene	527.7	10.0	ug/L	501	ND	105	18-190			
Surrogate: Dibromofluoromethane	587		ug/L	502		117	59-123			
Surrogate: 1,2-Dichloroethane-d4	586		ug/L	501		117	56-130			
Surrogate: Toluene-d8	506		ug/L	504		101	85-113			
Surrogate: 4-Bromofluorobenzene	504		ug/L	501		100	82-112			
Matrix Spike Dup (1IC1303-MSD1)	Source: 1IC1195-01			Prepared: 03/25/25 00:00 Analyzed: 03/25/25 19:08						
Chloromethane	319.9	10.0	ug/L	303	ND	106	5-273	3.62	60	
Vinyl Chloride	328.8	10.0	ug/L	302	ND	109	5-251	3.35	66	
Bromomethane	303.4	10.0	ug/L	301	ND	101	5-242	0.728	61	
Chloroethane	322.4	10.0	ug/L	303	ND	106	14-230	3.65	78	
1,1-Dichloroethylene	599.7	10.0	ug/L	501	ND	120	5-235	0.896	32	
Methylene Chloride	542.8	50.0	ug/L	501	ND	108	5-221	0.777	60	
trans-1,2-Dichloroethylene	598.2	10.0	ug/L	501	ND	119	54-156	0.0167	45	
1,1-Dichloroethane	601.1	10.0	ug/L	501	ND	120	59-155	0.696	40	
cis-1,2-Dichloroethylene	605.9	10.0	ug/L	504	ND	120	42-168	1.30	28	
2-Butanone (MEK)	1146	100	ug/L	1000	ND	115	57-133	6.56	30	

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CERTIFICATE OF ANALYSIS

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Determination of Volatile Organic Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1303 - EPA 5030B - EPA 624.1										
Matrix Spike Dup (1IC1303-MSD1)	Source: 1IC1195-01			Prepared: 03/25/25 00:00 Analyzed: 03/25/25 19:08						
Chloroform	604.4	10.0	ug/L	501	ND	121	51-138	0.297	54	
1,1,1-Trichloroethane	596.0	10.0	ug/L	501	ND	119	52-162	1.28	36	
Carbon Tetrachloride	580.5	10.0	ug/L	501	ND	116	70-140	2.03	41	
Benzene	519.0	10.0	ug/L	504	ND	103	37-151	3.07	61	
1,2-Dichloroethane	605.9	10.0	ug/L	501	ND	121	59-155	0.231	49	
Trichloroethylene	531.3	10.0	ug/L	501	ND	106	70-157	2.34	48	
1,2-Dichloropropane	564.7	10.0	ug/L	501	ND	113	5-210	0.301	55	
Dibromomethane	630.7	10.0	ug/L	504	ND	125	62-141	2.31	11	
Bromodichloromethane	601.0	10.0	ug/L	501	ND	120	35-155	0.0499	56	
2-Chloroethylvinyl ether	<100	100	ug/L	1000	ND		5-305		71	Q11
cis-1,3-Dichloropropene	557.5	10.0	ug/L	501	ND	111	5-227	1.02	58	
Toluene	555.4	10.0	ug/L	505	ND	110	47-150	3.52	41	
trans-1,3-Dichloropropene	576.0	10.0	ug/L	501	ND	115	17-183	0.122	86	
1,1,2-Trichloroethane	573.4	10.0	ug/L	501	ND	114	52-150	0.595	45	
Tetrachloroethylene	487.1	10.0	ug/L	501	ND	97.2	64-148	3.43	39	
Dibromochloromethane	585.3	10.0	ug/L	501	ND	117	53-149	0.634	50	
Chlorobenzene	508.4	10.0	ug/L	501	ND	102	37-160	1.52	53	
Ethylbenzene	538.3	10.0	ug/L	502	ND	107	79-119	2.11	63	
Xylenes, total	1625	20.0	ug/L	1510	ND	108	80-120	1.71	12	
Bromoform	594.5	10.0	ug/L	501	ND	119	45-169	0.118	42	
1,1,2,2-Tetrachloroethane	549.4	10.0	ug/L	501	ND	110	46-157	1.50	61	
1,3-Dichlorobenzene	511.0	10.0	ug/L	501	ND	102	59-156	1.19	43	
1,4-Dichlorobenzene	492.0	10.0	ug/L	501	ND	98.2	18-190	1.41	57	
1,2-Dichlorobenzene	523.7	10.0	ug/L	501	ND	105	18-190	0.761	57	
Surrogate: Dibromofluoromethane	607		ug/L	502		121	59-123			
Surrogate: 1,2-Dichloroethane-d4	588		ug/L	501		117	56-130			
Surrogate: Toluene-d8	499		ug/L	504		99.1	85-113			
Surrogate: 4-Bromofluorobenzene	505		ug/L	501		101	82-112			

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1321 - EPA 625 BNA - EPA 625.1										
Blank (1IC1321-BLK1)	Prepared: 03/26/25 13:28 Analyzed: 03/31/25 17:49									
Bis(2-Chloroethyl) Ether	<10	10	ug/L							
2-Chlorophenol	<10	10	ug/L							
1,3-Dichlorobenzene	<10	10	ug/L							
1,4-Dichlorobenzene	<10	10	ug/L							
Benzyl Alcohol	<10	10	ug/L							
1,2-Dichlorobenzene	<10	10	ug/L							
Bis[2-Chloroisopropyl]ether	<10	10	ug/L							



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Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1321 - EPA 625 BNA - EPA 625.1									
Blank (1IC1321-BLK1)				Prepared: 03/26/25 13:28 Analyzed: 03/31/25 17:49					
n-Nitroso-di-n-propylamine	<10	10	ug/L						
Hexachloroethane	<10	10	ug/L						
Nitrobenzene	<10	10	ug/L						
Isophorone	<10	10	ug/L						
2-Nitrophenol	<10	10	ug/L						
2,4-Dimethylphenol	<10	10	ug/L						
Bis (2-Chloroethoxy) Methane	<10	10	ug/L						
Benzoic acid	<50	50	ug/L						
2,4-Dichlorophenol	<10	10	ug/L						
1,2,4-Trichlorobenzene	<10	10	ug/L						
Naphthalene	<10	10	ug/L						
Hexachlorobutadiene	<20	20	ug/L						
4-Chloro-3-methylphenol	<10	10	ug/L						
Hexachlorocyclopentadiene	<20	20	ug/L						
2,4,6-Trichlorophenol	<10	10	ug/L						
2,4,5-Trichlorophenol	<50	50	ug/L						
2-Chloronaphthalene	<10	10	ug/L						
Dimethylphthalate	<15	15	ug/L						
Acenaphthylene	<10	10	ug/L						
2,6-Dinitrotoluene	<10	10	ug/L						
Acenaphthene	<10	10	ug/L						
2,4-Dinitrophenol	<20	20	ug/L						
Dibenzofuran	<10	10	ug/L						
2,4-Dinitrotoluene	<10	10	ug/L						
4-Nitrophenol	<10	10	ug/L						
Diethyl Phthalate	<30	30	ug/L						
Fluorene	<10	10	ug/L						
4-Chlorophenyl Phenyl Ether	<10	10	ug/L						
4,6-Dinitro-2-methylphenol	<20	20	ug/L						
N-Nitrosodiphenylamine	<10	10	ug/L						
4-Bromophenyl Phenyl Ether	<10	10	ug/L						
Hexachlorobenzene	<10	10	ug/L						
Pentachlorophenol	<20	20	ug/L						
Phenanthrene	<10	10	ug/L						
Anthracene	<10	10	ug/L						
Di-n-butyl Phthalate	<10	10	ug/L						
Fluoranthene	<10	10	ug/L						
Pyrene	<10	10	ug/L						
Butyl Benzyl Phthalate	<10	10	ug/L						
Benzo(a)anthracene	<10	10	ug/L						
Chrysene	<10	10	ug/L						
Bis(2-Ethylhexyl) Phthalate	<10	10	ug/L						

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Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1321 - EPA 625 BNA - EPA 625.1									
Blank (1IC1321-BLK1)									
Prepared: 03/26/25 13:28 Analyzed: 03/31/25 17:49									
Di-n-octyl Phthalate	<10	10	ug/L						
Indeno(1,2,3-cd)Pyrene	<10	10	ug/L						
3,3'-Dichlorobenzidine	<20	20	ug/L						
Benzo(b)Fluoranthene	<10	10	ug/L						
Benzo(k)Fluoranthene	<10	10	ug/L						
Benzo(a)Pyrene	<10	10	ug/L						
Dibenzo(a,h)anthracene	<10	10	ug/L						
Benzo(g,h,i)perylene	<10	10	ug/L						
Surrogate: 2-Fluorophenol	17.8		ug/L	20.6		86.3	16-140		
Surrogate: Phenol-d6	16.8		ug/L	19.6		86.0	13-147		
Surrogate: Nitrobenzene-d5	18.0		ug/L	20.6		87.7	17-150		
Surrogate: 2-Fluorobiphenyl	17.0		ug/L	19.5		86.9	15-134		
Surrogate: 2,4,6-Tribromophenol	24.4		ug/L	20.0		122	20-158		
Surrogate: Terphenyl-d14	21.5		ug/L	20.6		104	12-157		
LCS (1IC1321-BS1)									
Prepared: 03/26/25 13:28 Analyzed: 03/31/25 18:13									
Bis(2-Chloroethyl) Ether	<10	10	ug/L	10.0		75.3	43-126		
2-Chlorophenol	<10	10	ug/L	10.0		85.5	36-120		
1,3-Dichlorobenzene	<10	10	ug/L	10.0		70.6	18-95		
1,4-Dichlorobenzene	<10	10	ug/L	10.0		72.9	18-99		
Benzyl Alcohol	<10	10	ug/L	10.0		21.6	10-125		
1,2-Dichlorobenzene	<10	10	ug/L	10.0		75.2	20-100		
Bis[2-Chloroisopropyl]ether	<10	10	ug/L	10.0		82.5	63-139		
n-Nitroso-di-n-propylamine	<10	10	ug/L	10.0		83.9	14-198		
Hexachloroethane	<10	10	ug/L	10.0		63.7	55-120		
Nitrobenzene	<10	10	ug/L	10.0		83.4	54-158		
Isophorone	<10	10	ug/L	10.0		81.2	47-180		
2-Nitrophenol	<10	10	ug/L	10.0		83.2	45-167		
2,4-Dimethylphenol	<10	10	ug/L	10.0		87.7	42-120		
Bis (2-Chloroethoxy) Methane	<10	10	ug/L	10.0		78.8	49-165		
2,4-Dichlorophenol	<10	10	ug/L	10.0		92.4	53-122		
1,2,4-Trichlorobenzene	<10	10	ug/L	10.0		71.3	57-130		
Naphthalene	<10	10	ug/L	10.0		77.1	36-120		
Hexachlorobutadiene	<20	20	ug/L	10.0		54.7	38-120		
4-Chloro-3-methylphenol	<10	10	ug/L	10.0		94.5	41-128		
Hexachlorocyclopentadiene	<20	20	ug/L	10.0		65.7	10-107		
2,4,6-Trichlorophenol	<10	10	ug/L	10.0		91.9	52-129		
2,4,5-Trichlorophenol	<50	50	ug/L	10.0		98.5	50-121		
2-Chloronaphthalene	<10	10	ug/L	10.0		72.6	65-120		
Dimethylphthalate	<15	15	ug/L	10.0		93.1	1-120		
Acenaphthylene	<10	10	ug/L	10.0		81.7	54-126		
2,6-Dinitrotoluene	<10	10	ug/L	10.0		92.7	68-137		
Acenaphthene	<10	10	ug/L	10.0		80.5	60-132		

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CERTIFICATE OF ANALYSIS

1IC1518

Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1321 - EPA 625 BNA - EPA 625.1									
LCS (1IC1321-BS1)									
Prepared: 03/26/25 13:28 Analyzed: 03/31/25 18:13									
2,4-Dinitrophenol	<20	20	ug/L	10.0		134	1-172		
Dibenzofuran	<10	10	ug/L	10.0		84.7	49-108		
2,4-Dinitrotoluene	<10	10	ug/L	10.0		94.7	48-127		
4-Nitrophenol	10.7	10	ug/L	10.0		107	13-129		
Diethyl Phthalate	<30	30	ug/L	10.0		100	1-120		
Fluorene	<10	10	ug/L	10.0		86.8	70-120		
4-Chlorophenyl Phenyl Ether	<10	10	ug/L	10.0		86.1	38-145		
4,6-Dinitro-2-methylphenol	<20	20	ug/L	10.0		91.9	53-130		
N-Nitrosodiphenylamine	<10	10	ug/L	10.0		80.5	29-136		
4-Bromophenyl Phenyl Ether	<10	10	ug/L	10.0		83.9	44-127		
Hexachlorobenzene	<10	10	ug/L	10.0		83.4	8-142		
Pentachlorophenol	<20	20	ug/L	10.0		97.5	38-152		
Phenanthrene	<10	10	ug/L	10.0		84.2	65-120		
Anthracene	<10	10	ug/L	10.0		84.3	43-120		
Di-n-butyl Phthalate	<10	10	ug/L	10.0		92.0	8-120		
Fluoranthene	<10	10	ug/L	10.0		89.9	42-121		
Pyrene	<10	10	ug/L	10.0		90.3	70-120		
Butyl Benzyl Phthalate	<10	10	ug/L	10.0		88.1	1-140		
Benzo(a)anthracene	<10	10	ug/L	10.0		83.8	42-133		
Chrysene	<10	10	ug/L	10.0		85.3	44-140		
Bis(2-Ethylhexyl) Phthalate	16.7	10	ug/L	10.0		167	29-137		Q4
Di-n-octyl Phthalate	10.2	10	ug/L	10.0		102	19-132		
Indeno(1,2,3-cd)Pyrene	<10	10	ug/L	10.0		83.4	1-151		
Benzo(b)Fluoranthene	<10	10	ug/L	10.0		86.1	42-140		
Benzo(k)Fluoranthene	<10	10	ug/L	10.0		93.0	27-168		
Benzo(a)Pyrene	<10	10	ug/L	10.0		88.4	32-148		
Dibenzo(a,h)anthracene	<10	10	ug/L	10.0		83.4	1-200		
Benzo(g,h,i)perylene	<10	10	ug/L	10.0		81.9	1-195		
Surrogate: 2-Fluorophenol	17.7		ug/L	20.6		85.6	16-140		
Surrogate: Phenol-d6	17.8		ug/L	19.6		90.7	13-147		
Surrogate: Nitrobenzene-d5	18.5		ug/L	20.6		89.9	17-150		
Surrogate: 2-Fluorobiphenyl	17.5		ug/L	19.5		89.4	15-134		
Surrogate: 2,4,6-Tribromophenol	24.1		ug/L	20.0		120	20-158		
Surrogate: Terphenyl-dl4	22.3		ug/L	20.6		108	12-157		
LCS Dup (1IC1321-BS1)									
Prepared: 03/26/25 13:28 Analyzed: 03/31/25 18:38									
Bis(2-Chloroethyl) Ether	<10	10	ug/L	10.0		79.6	43-126	5.55	65
2-Chlorophenol	<10	10	ug/L	10.0		89.1	36-120	4.12	37
1,3-Dichlorobenzene	<10	10	ug/L	10.0		74.6	18-95	5.51	30
1,4-Dichlorobenzene	<10	10	ug/L	10.0		75.2	18-99	3.11	30
Benzyl Alcohol	<10	10	ug/L	10.0		38.9	10-125	57.2	30 R1
1,2-Dichlorobenzene	<10	10	ug/L	10.0		77.4	20-100	2.88	30
Bis[2-Chloroisopropyl]ether	<10	10	ug/L	10.0		84.8	63-139	2.75	46

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Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch 1IC1321 - EPA 625 BNA - EPA 625.1								
LCS Dup (1IC1321-BSD1)				Prepared: 03/26/25 13:28 Analyzed: 03/31/25 18:38				
n-Nitroso-di-n-propylamine	<10	10	ug/L	10.0		92.4 14-198	9.64 52	
Hexachloroethane	<10	10	ug/L	10.0		71.4 55-120	11.4 32	
Nitrobenzene	<10	10	ug/L	10.0		85.9 54-158	2.95 37	
Isophorone	<10	10	ug/L	10.0		84.9 47-180	4.46 56	
2-Nitrophenol	<10	10	ug/L	10.0		85.0 45-167	2.14 33	
2,4-Dimethylphenol	<10	10	ug/L	10.0		90.9 42-120	3.58 35	
Bis (2-Chloroethoxy) Methane	<10	10	ug/L	10.0		83.3 49-165	5.55 32	
2,4-Dichlorophenol	<10	10	ug/L	10.0		94.4 53-122	2.14 30	
1,2,4-Trichlorobenzene	<10	10	ug/L	10.0		76.1 57-130	6.51 30	
Naphthalene	<10	10	ug/L	10.0		80.4 36-120	4.19 39	
Hexachlorobutadiene	<20	20	ug/L	10.0		58.7 38-120	7.05 38	
4-Chloro-3-methylphenol	<10	10	ug/L	10.0		98.9 41-128	4.55 44	
Hexachlorocyclopentadiene	<20	20	ug/L	10.0		67.9 10-107	3.29 30	
2,4,6-Trichlorophenol	<10	10	ug/L	10.0		89.0 52-129	3.21 35	
2,4,5-Trichlorophenol	<50	50	ug/L	10.0		98.5 50-121	0.00 25	
2-Chloronaphthalene	<10	10	ug/L	10.0		73.9 65-120	1.77 26	
Dimethylphthalate	<15	15	ug/L	10.0		92.9 1-120	0.215 110	
Acenaphthylene	<10	10	ug/L	10.0		81.1 54-126	0.737 45	
2,6-Dinitrotoluene	<10	10	ug/L	10.0		92.8 68-137	0.108 29	
Acenaphthene	<10	10	ug/L	10.0		82.9 60-132	2.94 29	
2,4-Dinitrophenol	<20	20	ug/L	10.0		131 1-172	2.03 79	
Dibenzofuran	<10	10	ug/L	10.0		85.1 49-108	0.471 26	
2,4-Dinitrotoluene	<10	10	ug/L	10.0		95.9 48-127	1.26 25	
4-Nitrophenol	11.0	10	ug/L	10.0		110 13-129	2.85 79	
Diethyl Phthalate	<30	30	ug/L	10.0		102 1-120	1.59 60	
Fluorene	<10	10	ug/L	10.0		86.2 70-120	0.694 23	
4-Chlorophenyl Phenyl Ether	<10	10	ug/L	10.0		86.3 38-145	0.232 36	
4,6-Dinitro-2-methylphenol	<20	20	ug/L	10.0		94.6 53-130	2.90 122	
N-Nitrosodiphenylamine	<10	10	ug/L	10.0		85.6 29-136	6.14 30	
4-Bromophenyl Phenyl Ether	<10	10	ug/L	10.0		87.1 44-127	3.74 30	
Hexachlorobenzene	<10	10	ug/L	10.0		85.6 8-142	2.60 33	
Pentachlorophenol	<20	20	ug/L	10.0		100 38-152	2.93 52	
Phenanthrene	<10	10	ug/L	10.0		87.3 65-120	3.62 24	
Anthracene	<10	10	ug/L	10.0		87.7 43-120	3.95 40	
Di-n-butyl Phthalate	<10	10	ug/L	10.0		94.8 8-120	3.00 28	
Fluoranthene	<10	10	ug/L	10.0		87.8 42-121	2.36 40	
Pyrene	<10	10	ug/L	10.0		91.5 70-120	1.32 30	
Butyl Benzyl Phthalate	<10	10	ug/L	10.0		90.9 1-140	3.13 37	
Benzo(a)anthracene	<10	10	ug/L	10.0		87.7 42-133	4.55 32	
Chrysene	<10	10	ug/L	10.0		88.8 44-140	4.02 53	
Bis(2-Ethylhexyl) Phthalate	11.7	10	ug/L	10.0		117 29-137	35.6 50	
Di-n-octyl Phthalate	10.2	10	ug/L	10.0		102 19-132	0.295 42	

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Determination of Base/Neutral/Acid Extractable Compounds	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1321 - EPA 625 BNA - EPA 625.1									
LCS Dup (1IC1321-BSD1)				Prepared: 03/26/25 13:28 Analyzed: 03/31/25 18:38					
Indeno(1,2,3-cd)Pyrene	<10	10	ug/L	10.0		86.7 1-151	3.88	60	
Benzo(b)Fluoranthene	<10	10	ug/L	10.0		87.3 42-140	1.38	38	
Benzo(k)Fluoranthene	<10	10	ug/L	10.0		94.1 27-168	1.18	30	
Benzo(a)Pyrene	<10	10	ug/L	10.0		90.7 32-148	2.57	43	
Dibenzo(a,h)anthracene	<10	10	ug/L	10.0		86.0 1-200	3.07	75	
Benzo(g,h,i)perylene	<10	10	ug/L	10.0		86.1 1-195	5.00	61	
Surrogate: 2-Fluorophenol	17.7		ug/L	20.6		85.7 16-140			
Surrogate: Phenol-d6	17.8		ug/L	19.6		90.9 13-147			
Surrogate: Nitrobenzene-d5	18.4		ug/L	20.6		89.7 17-150			
Surrogate: 2-Fluorobiphenyl	16.9		ug/L	19.5		86.5 15-134			
Surrogate: 2,4,6-Tribromophenol	23.3		ug/L	20.0		116 20-158			
Surrogate: Terphenyl-d14	21.5		ug/L	20.6		104 12-157			

Determination of Organochlorine Insecticides & PCBs	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1517 - EPA 608 OC/PCB - EPA 608.3 GC-ECD									
Blank (1IC1517-BLK1)				Prepared: 03/31/25 12:48 Analyzed: 04/07/25 09:37					
Gamma-BHC [Lindane]	<0.05	0.05	ug/L						
Beta-BHC	<0.05	0.05	ug/L						
Heptachlor	<0.05	0.05	ug/L						
Delta-BHC	<0.05	0.05	ug/L						
Aldrin	<0.05	0.05	ug/L						
Heptachlor Epoxide	<0.05	0.05	ug/L						
Endosulfan I	<0.05	0.05	ug/L						
4,4'-DDE	<0.05	0.05	ug/L						
Dieldrin	<0.05	0.05	ug/L						
Endrin	<0.05	0.05	ug/L						
4,4'-DDD	<0.05	0.05	ug/L						
Endosulfan II	<0.05	0.05	ug/L						
4,4'-DDT	<0.05	0.05	ug/L						
Endrin Aldehyde	<0.05	0.05	ug/L						
Endosulfan Sulfate	<0.05	0.05	ug/L						
Chlordane	<0.10	0.10	ug/L						
Toxaphene	<0.20	0.20	ug/L						
Arochlor 1016	<0.20	0.20	ug/L						
Arochlor 1221	<0.20	0.20	ug/L						
Arochlor 1232	<0.20	0.20	ug/L						
Arochlor 1242	<0.20	0.20	ug/L						
Arochlor 1248	<0.20	0.20	ug/L						
Arochlor 1254	<0.20	0.20	ug/L						

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Determination of Organochlorine Insecticides & PCBs	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1517 - EPA 608 OC/PCB - EPA 608.3 GC-ECD									
Blank (1IC1517-BLK1) Prepared: 03/31/25 12:48 Analyzed: 04/07/25 09:37									
Arochlor 1260	<0.20	0.20	ug/L						
Surrogate: Tetrachloro-m-xylene	0.486		ug/L	0.600		81.1 31-116			
Surrogate: Decachlorobiphenyl	0.443		ug/L	0.600		73.8 12-130			
LCS (1IC1517-BS1) Prepared: 03/31/25 12:48 Analyzed: 04/07/25 09:51									
Gamma-BHC [Lindane]	0.231	0.05	ug/L	0.250		92.5 44-124			
Beta-BHC	0.192	0.05	ug/L	0.250		76.9 56-122			
Heptachlor	0.219	0.05	ug/L	0.250		87.6 57-124			
Delta-BHC	0.240	0.05	ug/L	0.250		96.0 53-138			
Aldrin	0.234	0.05	ug/L	0.250		93.5 53-114			
Heptachlor Epoxide	0.256	0.05	ug/L	0.250		103 61-128			
Endosulfan I	0.232	0.05	ug/L	0.250		92.9 60-124			
4,4'-DDE	0.243	0.05	ug/L	0.250		97.2 59-122			
Dieldrin	0.235	0.05	ug/L	0.250		94.1 52-119			
Endrin	0.242	0.05	ug/L	0.250		96.7 45-152			
4,4'-DDD	0.227	0.05	ug/L	0.250		90.8 59-127			
Endosulfan II	0.245	0.05	ug/L	0.250		98.0 57-130			
4,4'-DDT	0.219	0.05	ug/L	0.250		87.8 55-143			
Endrin Aldehyde	0.227	0.05	ug/L	0.250		90.9 55-139			
Endosulfan Sulfate	0.230	0.05	ug/L	0.250		91.9 64-123			
Surrogate: Tetrachloro-m-xylene	0.481		ug/L	0.600		80.2 31-116			
Surrogate: Decachlorobiphenyl	0.308		ug/L	0.600		51.3 12-130			
LCS Dup (1IC1517-BSD1) Prepared: 03/31/25 12:48 Analyzed: 04/07/25 10:05									
Gamma-BHC [Lindane]	0.226	0.05	ug/L	0.250		90.3 44-124	2.41	30	
Beta-BHC	0.196	0.05	ug/L	0.250		78.3 56-122	1.76	30	
Heptachlor	0.211	0.05	ug/L	0.250		84.4 57-124	3.82	30	
Delta-BHC	0.241	0.05	ug/L	0.250		96.4 53-138	0.466	30	
Aldrin	0.224	0.05	ug/L	0.250		89.5 53-114	4.40	30	
Heptachlor Epoxide	0.258	0.05	ug/L	0.250		103 61-128	0.446	30	
Endosulfan I	0.229	0.05	ug/L	0.250		91.4 60-124	1.61	30	
4,4'-DDE	0.245	0.05	ug/L	0.250		98.0 59-122	0.826	30	
Dieldrin	0.241	0.05	ug/L	0.250		96.3 52-119	2.34	30	
Endrin	0.249	0.05	ug/L	0.250		99.7 45-152	3.09	30	
4,4'-DDD	0.235	0.05	ug/L	0.250		93.8 59-127	3.26	30	
Endosulfan II	0.252	0.05	ug/L	0.250		101 57-130	2.89	30	
4,4'-DDT	0.232	0.05	ug/L	0.250		92.9 55-143	5.74	30	
Endrin Aldehyde	0.229	0.05	ug/L	0.250		91.5 55-139	0.665	30	
Endosulfan Sulfate	0.237	0.05	ug/L	0.250		94.8 64-123	3.11	30	
Surrogate: Tetrachloro-m-xylene	0.423		ug/L	0.600		70.5 31-116			
Surrogate: Decachlorobiphenyl	0.367		ug/L	0.600		61.2 12-130			

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Determination of Organochlorine Insecticides & PCBs	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1517 - EPA 608 OC/PCB - EPA 608.3 GC-ECD									
Reference (1IC1517-SRM1)				Prepared: 03/31/25 12:48 Analyzed: 04/07/25 10:19					
Gamma-BHC [Lindane]	0.250	0.05	ug/L	0.250		100	80-120		
Beta-BHC	0.227	0.05	ug/L	0.250		90.8	80-120		
Heptachlor	0.234	0.05	ug/L	0.250		93.7	80-120		
Delta-BHC	0.256	0.05	ug/L	0.250		102	80-120		
Aldrin	0.242	0.05	ug/L	0.250		96.6	80-120		
Heptachlor Epoxide	0.263	0.05	ug/L	0.250		105	80-120		
Endosulfan I	0.251	0.05	ug/L	0.250		100	80-120		
4,4'-DDE	0.238	0.05	ug/L	0.250		95.2	80-120		
Dieldrin	0.236	0.05	ug/L	0.250		94.6	80-120		
Endrin	0.257	0.05	ug/L	0.250		103	80-120		
4,4'-DDD	0.231	0.05	ug/L	0.250		92.3	80-120		
Endosulfan II	0.245	0.05	ug/L	0.250		98.2	80-120		
4,4'-DDT	0.244	0.05	ug/L	0.250		97.4	80-120		
Endrin Aldehyde	0.266	0.05	ug/L	0.250		107	80-120		
Endosulfan Sulfate	0.239	0.05	ug/L	0.250		95.7	80-120		
Surrogate: Tetrachloro-m-xylene	0.557		ug/L	0.600		92.9	31-116		
Surrogate: Decachlorobiphenyl	0.555		ug/L	0.600		92.6	12-130		
Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1224 - Wet Chem Preparation - USGS I-3765-85									
Blank (1IC1224-BLK1)				Prepared: 03/25/25 07:39 Analyzed: 03/25/25 15:50					
Total Suspended Solids (TSS)	<1	1	mg/L						
LCS (1IC1224-BS1)				Prepared: 03/25/25 07:39 Analyzed: 03/25/25 15:50					
Total Suspended Solids (TSS)	14.6	1	mg/L	15.0		97.3	71-110		
Duplicate (1IC1224-DUP1)				Prepared: 03/25/25 07:39 Analyzed: 03/25/25 15:50					
Total Suspended Solids (TSS)	110	10	mg/L		119		7.86	30	
Batch 1IC1245 - Wet Chem Preparation - USGS I-1750-85									
Blank (1IC1245-BLK1)				Prepared: 03/25/25 12:44 Analyzed: 03/25/25 14:58					
Total Dissolved Solids (TDS)	<5	5	mg/L						
LCS (1IC1245-BS1)				Prepared: 03/25/25 12:44 Analyzed: 03/25/25 14:58					
Total Dissolved Solids (TDS)	99	5	mg/L	100		99.0	79-114		
Duplicate (1IC1245-DUP1)				Prepared: 03/25/25 12:44 Analyzed: 03/25/25 14:58					
Total Dissolved Solids (TDS)	2580	5	mg/L		2640		2.25	24	
Batch 1IC1248 - General Prep Micro - SM 5210 B-2016									



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Determination of Conventional Chemistry Parameters	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1248 - General Prep Micro - SM 5210 B-2016										
Blank (1IC1248-BLK1)	Prepared: 03/25/25 12:52 Analyzed: 03/25/25 14:20									
BOD (5 day)	<2	2	mg/L							AC, K1
Duplicate (1IC1248-DUP1)	Source: 1IC1535-01 Prepared: 03/25/25 12:52 Analyzed: 03/25/25 16:13									
BOD (5 day)	108	24	mg/L		101			6.89	30	
Reference (1IC1248-SRM1)	Prepared: 03/25/25 12:52 Analyzed: 03/25/25 15:06									
BOD (5 day)	171	100	mg/L		198		86.6 84.6-115.4			
Batch 1IC1267 - Wet Chem Preparation - SM 4500-H+ B-2011										
Duplicate (1IC1267-DUP1)	Source: 1IC1518-01 Prepared: 03/25/25 15:00 Analyzed: 03/25/25 15:09									
pH	7.8	0.5	pH		7.8			0.0771	10	
Reference (1IC1267-SRM1)	Prepared: 03/25/25 15:00 Analyzed: 03/25/25 15:09									
pH	6.9	0.5	pH		7.00		99.2 98.6-101.4			
Reference (1IC1267-SRM2)	Prepared: 03/25/25 15:00 Analyzed: 03/25/25 15:09									
pH	6.9	0.5	pH		7.00		98.9 98.6-101.4			
Batch 1IC1302 - General Prep HPLC/IC - TIMBERLINE										
Blank (1IC1302-BLK2)	Prepared: 03/26/25 09:12 Analyzed: 03/26/25 10:53									
Nitrogen, Ammonia	<0.10	0.10	mg/L							
LCS (1IC1302-BS2)	Prepared: 03/26/25 09:12 Analyzed: 03/26/25 10:55									
Nitrogen, Ammonia	5.04	0.10	mg/L		5.00		101 90-114			
Matrix Spike (1IC1302-MS2)	Source: 1IC1495-01 Prepared: 03/26/25 09:12 Analyzed: 03/26/25 10:56									
Nitrogen, Ammonia	6.19	0.10	mg/L		5.00	0.594	112 84-115			
Matrix Spike Dup (1IC1302-MSD2)	Source: 1IC1495-01 Prepared: 03/26/25 09:12 Analyzed: 03/26/25 10:58									
Nitrogen, Ammonia	6.27	0.10	mg/L		5.00	0.594	113 84-115	1.33	20	
Batch 1IC1376 - TOC/DOC - 5310B										
Blank (1IC1376-BLK1)	Prepared: 03/26/25 00:00 Analyzed: 03/26/25 11:15									
Total Organic Carbon	<0.50	0.50	mg/L							
LCS (1IC1376-BS1)	Prepared: 03/26/25 00:00 Analyzed: 03/26/25 13:13									
Total Organic Carbon	5.44	0.50	mg/L		5.00		109 89-116			
LCS Dup (1IC1376-BSD1)	Prepared: 03/26/25 00:00 Analyzed: 03/26/25 11:00									
Total Organic Carbon	5.42	0.50	mg/L		5.00		108 89-116	0.313	10	
Matrix Spike (1IC1376-MS1)	Source: 1IC0692-01 Prepared: 03/26/25 00:00 Analyzed: 03/26/25 16:41									
Total Organic Carbon	30.25	0.50	mg/L		5.00	26.62	72.6 50-133			
Matrix Spike Dup (1IC1376-MSD1)	Source: 1IC0692-01 Prepared: 03/26/25 00:00 Analyzed: 03/26/25 16:57									
Total Organic Carbon	31.66	0.50	mg/L		5.00	26.62	101 50-133	4.55	10	

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

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Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1IC1271 - EPA 7470A Hg Water - 245.1										
Blank (1IC1271-BLK1)				Prepared: 03/25/25 15:49 Analyzed: 03/26/25 13:50						
Mercury, total	<0.00050	0.00050	mg/L							
LCS (1IC1271-BS1)				Prepared: 03/25/25 15:49 Analyzed: 03/26/25 13:52						
Mercury, total	0.00265	0.00050	mg/L	0.00250		106	85-115			
Matrix Spike (1IC1271-MS1)				Source: 1IC1518-01 Prepared: 03/25/25 15:49 Analyzed: 03/26/25 14:04						
Mercury, total	0.00202	0.00050	mg/L	0.00250	ND	80.9	70-130			
Matrix Spike Dup (1IC1271-MSD1)				Source: 1IC1518-01 Prepared: 03/25/25 15:49 Analyzed: 03/26/25 14:06						
Mercury, total	0.00189	0.00050	mg/L	0.00250	ND	75.5	70-130	6.98	10	
Batch 1IC1340 - EPA 200.2 Total ICP-OES (200.7) - 200.7										
Blank (1IC1340-BLK1)				Prepared: 03/26/25 15:33 Analyzed: 03/27/25 21:55						
Iron, total	<0.100	0.100	mg/L							
LCS (1IC1340-BS1)				Prepared: 03/26/25 15:33 Analyzed: 03/27/25 22:01						
Iron, total	2.38	0.100	mg/L	2.20		108	85-115			
Matrix Spike (1IC1340-MS1)				Source: 1IC1370-01 Prepared: 03/26/25 15:33 Analyzed: 03/27/25 22:16						
Iron, total	2.39	0.100	mg/L	2.20	0.092	104	70-130			
Matrix Spike Dup (1IC1340-MSD1)				Source: 1IC1370-01 Prepared: 03/26/25 15:33 Analyzed: 03/27/25 22:26						
Iron, total	2.43	0.100	mg/L	2.20	0.092	106	70-130	1.72	20	
Post Spike (1IC1340-PS1)				Source: 1IC1370-01 Prepared: 03/26/25 15:33 Analyzed: 03/27/25 22:35						
Iron, total	9.40		mg/L	8.80	0.092	106	85-115			
Batch 1ID0318 - EPA 200.2 Total ICP-MS - EPA 200.8, Rv. 5.4 (1994)										
Blank (1ID0318-BLK1)				Prepared: 04/07/25 16:28 Analyzed: 04/09/25 17:19						
Arsenic, total	<0.0020	0.0020	mg/L							
Cadmium, total	<0.0002	0.0002	mg/L							
Lead, total	<0.0008	0.0008	mg/L							
Silver, total	<0.0020	0.0020	mg/L							
Zinc, total	<0.0200	0.0200	mg/L							
Blank (1ID0318-BLK2)				Prepared: 04/07/25 16:28 Analyzed: 04/09/25 01:27						
Copper, total	<0.0020	0.0020	mg/L							
Blank (1ID0318-BLK3)				Prepared: 04/07/25 16:28 Analyzed: 04/24/25 14:27						
Arsenic, total	<0.0200	0.0200	mg/L							ACa
Cadmium, total	<0.0004	0.0004	mg/L							ACa
Chromium, total	<0.0020	0.0020	mg/L							ACa
Copper, total	<0.0020	0.0020	mg/L							ACa
Lead, total	<0.0010	0.0010	mg/L							ACa
Nickel, total	<0.0100	0.0100	mg/L							ACa
Selenium, total	<0.0040	0.0040	mg/L							ACa
Silver, total	<0.0020	0.0020	mg/L							ACa
Zinc, total	<0.0050	0.0050	mg/L							ACa
LCS (1ID0318-BS1)				Prepared: 04/07/25 16:28 Analyzed: 04/09/25 17:25						



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Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11D0318 - EPA 200.2 Total ICP-MS - EPA 200.8, Rv. 5.4 (1994)										
LCS (11D0318-BS1) Prepared: 04/07/25 16:28 Analyzed: 04/09/25 17:25										
Arsenic, total	0.115	0.0020	mg/L	0.100		115	85-115			
Cadmium, total	0.113	0.0002	mg/L	0.100		113	85-115			
Lead, total	0.113	0.0008	mg/L	0.100		113	85-115			
Silver, total	0.114	0.0020	mg/L	0.100		114	85-115			
Zinc, total	0.112	0.0200	mg/L	0.100		112	85-115			
LCS (11D0318-BS2) Prepared: 04/07/25 16:28 Analyzed: 04/09/25 01:32										
Copper, total	0.0901	0.0020	mg/L	0.100		90.1	85-115			
LCS (11D0318-BS3) Prepared: 04/07/25 16:28 Analyzed: 04/24/25 14:27										
Arsenic, total	0.100	0.0200	mg/L	0.100		100	85-115			ACa
Cadmium, total	0.0974	0.0004	mg/L	0.100		97.4	85-115			ACa
Chromium, total	0.0956	0.0020	mg/L	0.100		95.6	85-115			ACa
Copper, total	0.109	0.0020	mg/L	0.100		109	85-115			ACa
Lead, total	0.101	0.0010	mg/L	0.100		101	85-115			ACa
Nickel, total	0.0908	0.0100	mg/L	0.100		90.8	85-115			ACa
Selenium, total	0.0922	0.0040	mg/L	0.100		92.2	85-115			ACa
Silver, total	0.102	0.0020	mg/L	0.100		102	85-115			ACa
Zinc, total	0.103	0.0050	mg/L	0.100		103	85-115			ACa
Matrix Spike (11D0318-MS1) Source: 11C1469-02 Prepared: 04/07/25 16:28 Analyzed: 04/09/25 18:01										
Arsenic, total	0.157	0.0020	mg/L	0.100	0.0009	156	70-130			M1
Cadmium, total	0.146	0.0002	mg/L	0.100	ND	146	70-130			M1
Lead, total	0.143	0.0008	mg/L	0.100	0.0005	143	70-130			M1
Silver, total	0.150	0.0020	mg/L	0.100	ND	150	70-130			M1
Zinc, total	0.211	0.0200	mg/L	0.100	0.0426	168	70-130			M1
Matrix Spike (11D0318-MS2) Source: 11C1469-02RE1 Prepared: 04/07/25 16:28 Analyzed: 04/09/25 01:55										
Copper, total	0.0836	0.0020	mg/L	0.100	0.0064	77.3	70-130			
Matrix Spike (11D0318-MS3) Source: 11C1469-02RE2 Prepared: 04/07/25 16:28 Analyzed: 04/24/25 14:27										
Arsenic, total	0.100	0.0200	mg/L	0.100	0.0009	99.5	70-130			ACa
Cadmium, total	0.0984	0.0004	mg/L	0.100	0.00002	98.4	70-130			ACa
Chromium, total	0.0894	0.0020	mg/L	0.100	0.0005	89.0	70-130			ACa
Copper, total	0.106	0.0020	mg/L	0.100	0.0061	100	70-130			ACa
Lead, total	0.0962	0.0010	mg/L	0.100	0.0005	95.8	70-130			ACa
Nickel, total	0.0850	0.0100	mg/L	0.100	0.0024	82.6	70-130			ACa
Selenium, total	0.0919	0.0040	mg/L	0.100	0.0016	90.3	70-130			ACa
Silver, total	0.0987	0.0020	mg/L	0.100	ND	98.7	70-130			ACa
Zinc, total	0.144	0.0050	mg/L	0.100	0.0426	102	70-130			ACa
Matrix Spike Dup (11D0318-MSD1) Source: 11C1469-02 Prepared: 04/07/25 16:28 Analyzed: 04/09/25 18:07										
Arsenic, total	0.0969	0.0020	mg/L	0.100	0.0009	96.0	70-130	47.1	20	R1
Cadmium, total	0.0912	0.0002	mg/L	0.100	ND	91.2	70-130	46.0	20	R1
Lead, total	0.0899	0.0008	mg/L	0.100	0.0005	89.9	70-130	45.8	20	R1
Silver, total	0.0929	0.0020	mg/L	0.100	ND	92.9	70-130	47.2	20	R1
Zinc, total	0.128	0.0200	mg/L	0.100	0.0426	85.2	70-130	49.0	20	R1
Matrix Spike Dup (11D0318-MSD2) Source: 11C1469-02RE1 Prepared: 04/07/25 16:28 Analyzed: 04/09/25 02:00										

Microbac Laboratories, Inc., Newton

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



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11C1518

Determination of Total Metals	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 11D0318 - EPA 200.2 Total ICP-MS - EPA 200.8, Rv. 5.4 (1994)										
Matrix Spike Dup (11D0318-MSD2) Source: 11C1469-02RE1 Prepared: 04/07/25 16:28 Analyzed: 04/09/25 02:00										
Copper, total	0.0804	0.0020	mg/L	0.100	0.0064	74.0	70-130	4.00	20	
Matrix Spike Dup (11D0318-MSD3) Source: 11C1469-02RE2 Prepared: 04/07/25 16:28 Analyzed: 04/24/25 14:27										
Arsenic, total	0.0980	0.0200	mg/L	0.100	0.0009	97.2	70-130	2.39	20	ACa
Cadmium, total	0.0944	0.0004	mg/L	0.100	0.00002	94.3	70-130	4.22	20	ACa
Chromium, total	0.0872	0.0020	mg/L	0.100	0.0005	86.8	70-130	2.51	20	ACa
Copper, total	0.104	0.0020	mg/L	0.100	0.0061	98.3	70-130	1.75	20	ACa
Lead, total	0.0954	0.0010	mg/L	0.100	0.0005	94.9	70-130	0.866	20	ACa
Nickel, total	0.0824	0.0100	mg/L	0.100	0.0024	80.0	70-130	3.13	20	ACa
Selenium, total	0.0927	0.0040	mg/L	0.100	0.0016	91.1	70-130	0.856	20	ACa
Silver, total	0.0984	0.0020	mg/L	0.100	ND	98.4	70-130	0.335	20	ACa
Zinc, total	0.142	0.0050	mg/L	0.100	0.0426	99.5	70-130	1.56	20	ACa
Post Spike (11D0318-PS1) Source: 11C1469-02 Prepared: 04/07/25 16:28 Analyzed: 04/09/25 18:14										
Arsenic, total	0.0797		mg/L	0.0800	0.0008	98.6	70-130			
Cadmium, total	0.0741		mg/L	0.0800	0.00002	92.6	70-130			
Lead, total	0.0735		mg/L	0.0800	0.0005	91.3	70-130			
Silver, total	0.0768		mg/L	0.0800	0.0001	95.8	70-130			
Zinc, total	0.113		mg/L	0.0800	0.0417	89.5	70-130			
Post Spike (11D0318-PS2) Source: 11C1469-02RE1 Prepared: 04/07/25 16:28 Analyzed: 04/09/25 02:06										
Copper, total	0.0647		mg/L	0.0800	0.0062	73.1	70-130			

Definitions

AC:	BOD blank = 0.30mg/L
ACa:	Sample was prepared and digested at Microbac Labs - Newton and analyzed by Iowa certified lab #396
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.
M1:	Matrix spike recovery is above acceptance limits.
Q11:	Analysis of 2-chloroethyl vinyl ether was performed from a sample that was field preserved to pH < 2 with HCl. Acid preservation is not allowed for this parameter by the test method or for NPDES compliance per 40CFR Part 136.
Q4:	ICV recovery is above acceptance limits. Values that are <RL are not affected
Q8:	CCV recovery is below acceptance limits. The reported value is estimated.
R1:	Duplicate RPD is outside acceptance criteria.
RL:	Reporting Limit
RPD:	Relative Percent Difference

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 0.0°C

Cooler Inspection Checklist

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



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IC1518

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
06/18/25 16:43



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

CHAIN OF CUSTODY RECORD



1 I C 1 5 1 8

HLW Engineering

PM: Heather Murphy

Page 1 of
4:21P

OS.COM

Page 26 of 26

SITE INFORMATION

Sampler: ERIC WERNER
Project: Benton Co. Landfill - Leachate
Leachate

REPORT TO

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

INVOICE TO

Eric Werner
Benton County Sanitary Landfill
7904 20th Ave
Blairstown, IA 52209

SPECIAL INSTRUCTIONS

None

Turn Around Time

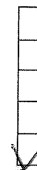
☐ Standard ☐ RUSH, need by ___/___/___

LAB USE ONLY

Work Order

Temperature 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	Leachate	Aqueous	GRAB	3/24/25	10:49 am		608-107 624-105 ag-t-200.8 ba-t-200.8 cd-t-200.8 cu-t-200.8 hg-t-245.1 m-t-200.8 ph-4500 ids-i-1750-85 iss-i-3763-85 624@dibromochloromethane 625-116 as-t-200.8 bod-5210 cr-t-200.8 fe-t-200.7 mn3-timberline pb-t-200.8 se-t-200.8 toc-5310b zn-t-200.8	

Relinquished By _____ Date/Time _____

Received By _____ Date/Time _____

Relinquished By [Signature] Date/Time 3-24-25 12:27

Received for Lab By [Signature] Date/Time 03 24 25 @ 1227

Remarks:

Original - Lab Copy Yellow - Sampler Copy

Van Horne Testing Data

Landfill Leachate Lab Bench Sheet 2024

Trueh

Influent BOD-5 Date In: 3-12 Date Out: 3-12
Time In: 11:00 Time Out: 9:00

Bottle No:	ML. Sample	IDO:	FDO:	CBOD-5
14	10	8.98	6.80	65
15	20	8.81	5.30	54
16	40	8.62	1.61	53

Avg. CBOD-5 57 Mg/l

Inf. TSS ML of Sample: 100 Date: 3-12 Time In: 10:00 Time Out: 8:30

Sample #	I.W.	F.W.	Mg/l
A-1	15005	15101	96
A-2	15001	15120	119

Avg. 108 Mg/l

Nitrogen Ammonia Date: 3-12

ML of Sample: 280

N-Titration: — TO —
Eff N. 285 Mg/l

Temp, P.H., D.O. and S.S. are Grab samples. Date:

Time:

Temp. Raw — C P.H. Raw 6.90 Raw S.S. —

D.O. Raw 4.29

P.H. Meter Calibration 4.0, 7.0, 10.0 Buffer ☒ Check if Completed

A. Vogin

Analyst responsible for above information:

0-50

0-50

0-50

0-50

0-50

0-35

285

Lab 380

25

Landfill Leachate Lab Bench Sheet 2024

Truck

Influent BOD-5 Date In: 3-19 Date Out: 3-24
Time In: 2:30 Time Out: 7:30

Bottle No:	ML. Sample	IDO:	FDO:	CBOD-5
<u>14</u>	<u>10</u>	<u>8.72</u>	<u>7.11</u>	
<u>15</u>	<u>20</u>	<u>8.52</u>	<u>5.54</u>	<u>45</u>
<u>16</u>	<u>30</u>	<u>8.32</u>	<u>3.76</u>	<u>46</u>

Avg. CBOD-5 46 Mg/l

Inf. TSS ML of Sample: 100 Date: 3-19 Time In: 9:30 Time Out: 11:00

Sample #	I.W.	F.W.	Mg/l
<u>A-1</u>	<u>1.4750</u>	<u>1.5028</u>	<u>78</u>
<u>A-2</u>	<u>1.4979</u>	<u>1.5056</u>	<u>77</u>

Avg. 78 Mg/l

Nitrogen Ammonia Date: 3-19
ML of Sample: 280
N-Titration: 0 TO -
Eff N. 221 Mg/l

Temp, P.H., D.O. and S.S. are Grab samples. Date: _____ Time: _____
Temp. Raw 8° C P.H. Raw 7.38 Raw S.S. _____

D.O. Raw 6.82

P.H. Meter Calibration 4.0, 7.0, 10.0 Buffer ☒ Check if Completed

Analyst responsible for above information:

[Signature]



Microbac Laboratories, Inc., Waterloo

CERTIFICATE OF ANALYSIS

2IE0582

City of Van Horne

Project Name: Wastewater

Jared Vogeler
705 2nd Ave
Van Horne, IA 52346

Project / PO Number: N/A
Received: 05/14/2025
Reported: 05/29/2025

Work Order Special Information

Vogeler, Jared

Analytical Testing Parameters

Client Sample ID: Truch Leachate
Sample Matrix: Aqueous
Lab Sample ID: 2IE0582-01

Collected By: Vogeler, Jared
Collection Date: 05/14/2025 8:30

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Conventional Chemistry Parameters	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 1664A								
Oil and Grease	<4	4	mg/L	1	A14	05/21/25 1134	05/23/25 0800	RDH
EPA 351.2, Rv. 2 (1993)								
Nitrogen, Kjeldahl, total	219	12.5	mg/L	5		05/23/25 0927	05/29/25 0922	SGB

Definitions

A14: Sample was preserved with Hydrochloric Acid to pH <2 on receipt.
DF: Dilution Factor representing the amount the sample was diluted during analysis and may not represent preparation factors.
RL: Reporting Limit

Report Comments

Reviewed and Approved By:

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>.

Corey Alexander
Customer Relationship Associate
05/29/25 14:26

Landfill Leachate Lab Bench Sheet 2024

Truck

Influent BOD-5 Date In: 5-14 Date Out: 5-19
Time In: 11:00 Time Out: 8:00

Bottle No:	ML. Sample	IDO:	FDO:	CBOD-5
1 ~~8~~	8	8.66	7.22	54
2 ~~12~~	~~12~~ 12	8.62	6.67	49
3 ~~20~~	~~20~~ 20	8.55	5.05	53

Avg. CBOD-5 53 Mg/l

Inf. TSS ML of Sample: 100 Date: 5-14 Time In: 11:30 Time Out: 7:30

Sample #	I.W.	F.W.	Mg/l
A-1	15041	15315	274
A-2	14976	15267	291

Avg. 283 Mg/l

Nitrogen Ammonia Date: 5-14

ML of Sample: 280

N-Titration: 0 TO 196
Eff N. 196 Mg/l

Temp, P.H., D.O. and S.S. are Grab samples. Date:

Temp. Raw 16° C P.H. Raw 7.28 Time: Raw S.S. _____

D.O. Raw 5.63

P.H. Meter Calibration 4.0, 7.0, 10.0 Buffer ☒ Check if Completed

A. Vour

Analyst responsible for above information:

FAL46380

Truck
Landfill Leachate Lab Bench Sheet 2024

Influent BOD-5 Date In: 5-28 Date Out: 6-2
Time In: 2:00 Time Out: 1:30

Bottle No:	ML. Sample	IDO:	FDO:	CBOD-5
5	12	8.71	6.90	45
6	20	8.57	5.77	42
7	50	8.12	—	

Avg. CBOD-5 42 Mg/l

5-28
Inf. TSS ML of Sample: 100 Date: 5-28 Time In: 9:30 Time Out: 7:00

Sample #	I.W.	F.W.	Mg/l
A-1	1.4956	1.5000	44
A-1	1.4942	1.4986	44

Avg. 44 Mg/l

Nitrogen Ammonia Date: 5-28
ML of Sample: 280
N-Titration: 0 TO 158
Eff N. 158 Mg/l

Temp, P.H., D.O. and S.S. are Grab samples. Date: _____ Time: _____
Temp. Raw 16.0 C P.H. Raw 7.34 Raw S.S. _____

D.O. Raw 5.12

P.H. Meter Calibration 4.0, 7.0, 10.0 Buffer ☒ Check if Completed

Analyst responsible for above information: [Signature]

Truch

Landfill Leachate Lab Bench Sheet 2024

Influent BOD-5 Date In: 6-4 Date Out: 6-9
Time In: 10:30 Time Out: 7:30

Bottle No:	ML. Sample	IDO:	FDO:	CBOD-5
5	12	8.65	6.83	46
6	15	8.66	6.27	48
7	20	8.49	5.33	47

Avg. CBOD-5 47 Mg/l

Inf. TSS ML of Sample: 100 Date: 6-4 Time In: 8:30 Time Out: 7:15

Sample #	I.W.	F.W.	Mg/l
A-1	1.5075	1.5164	89
A-2	1.5006	1.5098	92

Avg. 91 Mg/l

Nitrogen Ammonia Date: 6-4

ML of Sample: 280

N-Titration: 0 TO 75
Eff N. 75 Mg/l

Temp, P.H., D.O. and S.S. are Grab samples. Date: _____ Time: _____
Temp. Raw _____ C P.H. Raw 8.15 Raw S.S. _____

D.O. Raw 1.14

P.H. Meter Calibration 4.0, 7.0, 10.0 Buffer ☒ Check if Completed

Analyst responsible for above information: Q. Nguyen

IA Lab 380

Truck Landfill Leachate Lab Bench Sheet 2024

Influent BOD-5 Date In: 6-18 Date Out: 6-23
 Time In: 11:00 Time Out: 2:00

Bottle No:	ML. Sample	IDO:	FDO:	CBOD-5
5	12	8.57	6.65	48
6	20	8.41	4.86	53
7	50	8.00	-	

Avg. CBOD-5 53 Mg/l

Inf. TSS ML of Sample: 100 Date: 6-18 Time In: 1:00 Time Out: 7:30

Sample #	I.W.	F.W.	Mg/l
Leachate 1	15081	15229	148
Leachate 2	15054	15188	134

Avg. 141 Mg/l

Nitrogen Ammonia Date: 6-18
 ML of Sample: 280
 N-Titration: 6 TO 128.9
 Eff N. 128.9 Mg/l

Temp, P.H., D.O. and S.S. are Grab samples. Date: _____ Time: _____
 Temp. Raw 22.5 C P.H. Raw 7.50 Raw S.S. _____

D.O. Raw 6.91

P.H. Meter Calibration 4.0, 7.0, 10.0 Buffer ☒ Check if Completed

Allyson

Analyst responsible for above information:

Landfill Leachate Lab Bench Sheet 2024 *Truth*

Influent BOD-5 Date In: 9-10 Date Out: 9-15
 Time In: 10:30 Time Out: 7:30

Bottle No:	ML. Sample	IDO:	FDO:	CBOD-5
5	12	8.23	6.55	55
6	20	8.62	5.04	54
7	50	8.60	—	

Avg. CBOD-5 55 Mg/l

Inf. TSS ML of Sample: 100 Date: 9-10 Time In: 8:00 Time Out: 9:00

Sample #	I.W.	F.W.	Mg/l
A-1	14994	15093	99
A-2	15000	15109	109

Avg. 104 Mg/l

Nitrogen Ammonia Date: 9-16
 ML of Sample: 280
 N-Titration: 6 TO 239
 Eff N. 239 Mg/l

Temp, P.H., D.O. and S.S. are Grab samples. Date: _____ Time: _____
 Temp. Raw _____ C P.H. Raw 7.01 Raw S.S. —

D.O. Raw 2.24

P.H. Meter Calibration 4.0, 7.0, 10.0 Buffer ☒ Check if Completed

A. Vorn

Analyst responsible for above information:

Truck Landfill Leachate Lab Bench Sheet 2024

Influent BOD-5 Date In: 9-17 Date Out: 9-22
 Time In: 11:00 Time Out: 8:30

Bottle No:	ML. Sample	IDO:	FDO:	CBOD-5
5	12	8.85	7.61	31
6	20	8.82	6.89	33
7	50	8.75	3.56	31

Avg. CBOD-5 32 Mg/l

Inf. TSS ML of Sample: 100 Date: 9-17 Time In: 9:00 Time Out: 8:00

Sample #	I.W.	F.W.	Mg/l
A-1	15028	15084	56
A-2	15037	15089	52

Avg. 54 Mg/l

Nitrogen Ammonia Date: 9-17
 ML of Sample: 280
 N-Titration: 0 TO 44
 Eff N. 44 Mg/l

Temp, P.H., D.O. and S.S. are Grab samples. Date: _____ Time: _____
 Temp. Raw _____ C P.H. Raw 7.41 Raw S.S. —

D.O. Raw

P.H. Meter Calibration 4.0, 7.0, 10.0 Buffer ☒ Check if Completed
Alvorn

Analyst responsible for above information:

Vinton Testing Data
(NO TESTING IN 2025)

Blairstown Testing Data



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11E1011

Benton County Sanitary Landfill

Project Name: Annual Leachate

Eric Werner
7904 20th Ave
Blairstown, IA 52209

Project / PO Number: N/A
Received: 05/13/2025
Reported: 06/19/2025

Analytical Testing Parameters

Client Sample ID: Leachate
Sample Matrix: Aqueous
Lab Sample ID: 11E1011-01

Collected By: Ew
Collection Date: 05/13/2025 9:40

Determination of Volatile Organic Compounds

Result RL Units Note Prepared Analyzed Analyst

EPA 5030B/EPA 624.1

Toluene		<10.0	10.0	ug/L	L3	05/15/25 0000	05/15/25 1659	RAF
Chlorobenzene		<10.0	10.0	ug/L	L3	05/15/25 0000	05/15/25 1659	RAF
Ethylbenzene		<10.0	10.0	ug/L	L3	05/15/25 0000	05/15/25 1659	RAF
Surrogate: Dibromofluoromethane	70.2	Limit: 59-123	% Rec			05/15/25 0000	05/15/25 1659	RAF
Surrogate: 1,2-Dichloroethane-d4	65.8	Limit: 56-130	% Rec			05/15/25 0000	05/15/25 1659	RAF
Surrogate: Toluene-d8	106	Limit: 85-113	% Rec			05/15/25 0000	05/15/25 1659	RAF
Surrogate: 4-Bromofluorobenzene	90.3	Limit: 82-112	% Rec			05/15/25 0000	05/15/25 1659	RAF

Determination of Acid Extractable Compounds

Result RL Units Note Prepared Analyzed Analyst

EPA 625.1

Phenol		<50	50	ug/L		05/14/25 1342	05/20/25 1816	EPP
(3 & 4)-Methylphenol	295		50	ug/L		05/14/25 1342	05/20/25 1816	EPP
Benzoic acid		<250	250	ug/L		05/14/25 1342	05/20/25 1816	EPP
Surrogate: 2-Fluorophenol	79.8	Limit: 16-140	% Rec			05/14/25 1342	05/20/25 1816	EPP
Surrogate: Phenol-d6	85.0	Limit: 13-147	% Rec			05/14/25 1342	05/20/25 1816	EPP
Surrogate: 2,4,6-Tribromophenol	90.9	Limit: 20-158	% Rec			05/14/25 1342	05/20/25 1816	EPP

Determination of Conventional Chemistry Parameters

Result RL Units Note Prepared Analyzed Analyst

EPA 150.1

pH	7.2		0.5	pH	H4		05/23/25 1328	BSS

EPA 1664A

Oil and Grease		<4	4	mg/L	A14	05/20/25 1205	05/21/25 1130	RDH

EPA 351.2, Rv. 2 (1993)

Nitrogen, Kjeldahl, total	213		12.5	mg/L		05/19/25 1545	05/22/25 1543	SGB

SM 5210 B-2016

BOD (5 day)	37		6	mg/L			05/13/25 1609	MND

TIMBERLINE

Nitrogen, Ammonia	185		10.0	mg/L		05/15/25 1557	05/16/25 1130	SDF

USGS I-3765-85

Total Suspended Solids (TSS)	98		1	mg/L		05/19/25 0728	05/19/25 1342	LAW

Determination of Inorganic Anions

Result RL Units Note Prepared Analyzed Analyst

300.0

Chloride	690		50.0	mg/L			05/22/25 1931	MID



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11E1011

Client Sample ID: Leachate
Sample Matrix: Aqueous
Lab Sample ID: 11E1011-01

Collected By: Ew
Collection Date: 05/13/2025 9:40

Determination of Inorganic Anions	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Sulfate	51.8	10.0	mg/L		05/23/25 0000	05/23/25 1337	MID
Determination of Total Metals	Result	RL	Units	Note	Prepared	Analyzed	Analyst
200.7							
Iron, total	17.3	0.100	mg/L		05/14/25 0712	05/15/25 0518	JAR
EPA 200.8, Rv. 5.4 (1994)							
Arsenic, total	0.0550	0.0010	mg/L		06/17/25 0824	06/18/25 1404	RVV
Chromium, total	0.0172	0.0010	mg/L		06/17/25 0824	06/18/25 1404	RVV
Copper, total	<0.0050	0.0050	mg/L		06/17/25 0824	06/18/25 1404	RVV
Lead, total	<0.0005	0.0005	mg/L		06/17/25 0824	06/18/25 1404	RVV
Nickel, total	0.0714	0.0010	mg/L		06/17/25 0824	06/18/25 1404	RVV
Selenium, total	<0.0020	0.0020	mg/L		06/17/25 0824	06/18/25 1404	RVV
Zinc, total	0.0231	0.0200	mg/L		06/17/25 0824	06/18/25 1404	RVV

Definitions

A14: Sample was preserved with Hydrochloric Acid to pH <2 on receipt.
H4: The test was performed outside of the EPA recommended holding time of 15 minutes.
L3: Elevated reporting limit due to sample foaming.
RL: Reporting Limit

Report Comments

Reviewed and Approved By:

Sue Thompson

Sue Thompson
Client Services Manager
06/19/25 14:20

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



1 I E 1 0 1 1
Benton County Sanitary Landfill
PM: Heather Murphy

Printed: 5/5/2025 9:51:15A

www.keystonelabs.com

SITE INFORMATION

Sampler:

Project: Annual Leachate

REPORT TO

Eric Werner
Benton County Sanitary Landfill
7904 20th Ave
Blairstown, IA 52209

INVOICE TO

Eric Werner
Benton County Sanitary Landfill
7904 20th Ave
Blairstown, IA 52209

SPECIAL INSTRUCTIONS

None

Turn Around Time

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

LAB USE ONLY

Work Order

Temperature

Turn-Cooler: No

☐ Custody Seal
☒ Containers Intact
☒ COC/Labels Agree
☒ Preservation Confirmed
☒ Received on Ice

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	Number of Containers	Analyses		Lab Sample Number
-001	Leachate	Aqueous		5/13/25	9:40am	9	624@chlorobenzene 624@toluene as-t-200.8 cl-300.0 cu-t-200.8 nh3-lisubertine og-t-1664 plr-150.1 so4-300.0 tss-i-3765-85	624@ethylbenzene 625-900 bod-5210 cr-t-200.8 fe-t-200.7 ni-t-200.8 pb-t-200.8 se-t-200.8 iku-351.2 zn-t-200.8	01

Relinquished By

Date/Time

Relinquished By

Date/Time

Received By

Date/Time

Received for Lab By

Date/Time

Remarks:



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11E1496

Benton County Sanitary Landfill

Project Name: Weekly Leachate

Eric Werner
7904 20th Ave
Blairstown, IA 52209

Project / PO Number: N/A
Received: 05/20/2025
Reported: 12/08/2025

Case Narrative

Amended Report, December 8, 2025: The Total Suspended Solids result originally reported for sample 11E01496-01 was not correct due to a data entry error. The corrected result is included in this report.

James Eggers

Quality Assurance Officer

Analytical Testing Parameters

Client Sample ID: Leachate
Sample Matrix: Aqueous
Lab Sample ID: 11E1496-01

Collected By: Unknown
Collection Date: 05/20/2025 10:15

Inorganics Total	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 351.2, Rv. 2 (1993)							
Nitrogen, Kjeldahl, total	138	2.50	mg/L		05/29/25 1410	06/02/25 1509	SGB
SM 5210 B-2016							
Biochemical Oxygen Demand (BOD5)	31	6	mg/L		05/21/25 0953	05/21/25 1153	MND
USGS I-3765-85							
Total Suspended Solids (TSS)	<20	20	mg/L		05/22/25 1131	05/22/25 1333	LAW
General Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 150.1							
pH	7.3	0.5	pH	H4		05/21/25 1055	BSS
n-Hexane Extractable Material by Gravametric	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 1664A							
Oil and Grease	<4	4	mg/L	A14	05/28/25 0740	05/29/25 0730	RDH
Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
TIMBERLINE							
Nitrogen, Ammonia	140	1.00	mg/L		05/23/25 1343	05/23/25 1507	SDF

Definitions

A14: Sample was preserved with Hydrochloric Acid to pH <2 on receipt.
H4: The test was performed outside of the EPA recommended holding time of 15 minutes.
RL: Reporting Limit



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1IE1496

Report Comments

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Reviewed and Approved By:

Jim Eggers
Quality Assurance Manager
12/08/25 16:06



SITE INFORMATION

Sampler:

Project: **Weekly Leachate**

REPORT TO

Eric Werner
Benton County Sanitary Landfill
7904 20th Ave
Blairstown, IA 52209

INVOICE TO

Eric Werner
Benton County Sanitary Landfill
7904 20th Ave
Blairstown, IA 52209

SPECIAL INSTRUCTIONS

None

Turn Around Time

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

LAB USE ONLY

Work Order

Temperature 1.0

Turn-Cooler: **Yes**

1IE1496

☐ 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	Leachate	Aqueous		<u>5/20/25</u>	<u>11:15</u>	<u>4</u>	bod-5210 og-t-1664 lkn-351.2 nh3-timberline ph-150.1 lss-i-3765-85	<u>01</u>

Relinquished By [Signature] Date/Time 5-20-25

Relinquished By _____ Date/Time _____

Received By _____ Date/Time _____

[Signature] 5/20/25 11:57
Received for Lab By _____ Date/Time _____

Remarks:



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11E2100

Benton County Sanitary Landfill

Project Name: Weekly Leachate

Eric Werner
7904 20th Ave
Blairstown, IA 52209

Project / PO Number: N/A
Received: 05/29/2025
Reported: 06/11/2025

Analytical Testing Parameters

Client Sample ID: Leachate
Sample Matrix: Aqueous
Lab Sample ID: 11E2100-01

Collected By: All TKN Analyses
Collection Date: 05/29/2025 9:45

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 150.1							
pH	7.4	0.5	pH	H4		06/04/25 1254	BSS
EPA 1664A							
Oil and Grease	<4	4	mg/L	A14	06/03/25 0735	06/04/25 0800	GSC
EPA 351.2, Rv. 2 (1993)							
Nitrogen, Kjeldahl, total	141	2.50	mg/L		06/06/25 1555	06/10/25 1504	SGB
SM 5210 B-2016							
BOD (5 day)	22	6	mg/L		05/29/25 1516	05/29/25 1643	MND
TIMBERLINE							
Nitrogen, Ammonia	139	10.0	mg/L		06/03/25 1339	06/03/25 1602	SDF
USGS I-3765-85							
Total Suspended Solids (TSS)	37	1	mg/L		05/30/25 1547	06/02/25 1447	LAW

Definitions

A14: Sample was preserved with Hydrochloric Acid to pH <2 on receipt.
H4: The test was performed outside of the EPA recommended holding time of 15 minutes.
RL: Reporting Limit

Report Comments

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Reviewed and Approved By:

Heather Murphy
Customer Relationship Specialist
heather.murphy@microbac.com
06/11/25 08:22



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



1 I E 2 1 0 0
Benton County Sanitary Landfill
PM: Heather Murphy

Page 1 of 2

Printed: 5/29/2025 11:57:21A
www.kestonelabs.com

Page 2 of 2

SITE INFORMATION

Sampler:

Project:

Weekly Leachate

REPORT TO

Eric Werner
Benton County Sanitary Landfill
7904 20th Ave
Blairtown, IA 52209

INVOICE TO

Eric Werner
Benton County Sanitary Landfill
7904 20th Ave
Blairtown, IA 52209

SPECIAL INSTRUCTIONS

None

Turn Around Time

☐ Standard ☐ RUSH, need by ____/____/____

LAB USE ONLY

Work Order IE2100Temperature 0.2

Turn-Cooler:

Yes

☒ 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	Leachate	Aqueous		5/29/25	9:45	4	hnd-5210 og-t-1664 tku-351.2 nh3-Gerberline ph-150.1 tas-i-3765-35	01

Relinquished By [Signature] Date/Time 5/29

Received By _____ Date/Time _____

Relinquished By _____ Date/Time _____

Received for Lab By Jcho Farnes Date/Time 5/29/25 11:56

Remarks:



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11F0252

Benton County Sanitary Landfill

Project Name: Weekly Leachate

Eric Werner
7904 20th Ave
Blairstown, IA 52209

Project / PO Number: N/A
Received: 06/03/2025
Reported: 06/16/2025

Analytical Testing Parameters

Client Sample ID:	Leachate	Collected By:	Unknown
Sample Matrix:	Aqueous	Collection Date:	06/03/2025 8:45
Lab Sample ID:	11F0252-01		

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 150.1							
pH	8.0	0.5	pH	H4	06/06/25 0907	06/06/25 1554	BSS
EPA 1664A							
Oil and Grease	<4	4	mg/L	A14	06/06/25 0814	06/09/25 0800	GC
EPA 351.2, Rv. 2 (1993)							
Nitrogen, Kjeldahl, total	98.9	2.50	mg/L		06/12/25 0837	06/16/25 1204	SGB
SM 5210 B-2016							
BOD (5 day)	22	6	mg/L		06/04/25 1228	06/04/25 1344	MND
TIMBERLINE							
Nitrogen, Ammonia	81.3	1.00	mg/L		06/06/25 1122	06/06/25 1328	SDF
USGS I-3765-85							
Total Suspended Solids (TSS)	91	1	mg/L		06/03/25 1542	06/04/25 1044	LAW

Definitions

A14:	Sample was preserved with Hydrochloric Acid to pH <2 on receipt.
H4:	The test was performed outside of the EPA recommended holding time of 15 minutes.
RL:	Reporting Limit

Report Comments

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Reviewed and Approved By:

Heather Murphy
Customer Relationship Specialist
heather.murphy@microbac.com
06/16/25 16:58

CHAIN OF CUSTODY RECORD



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

Page 1 of 1
Printed: 5/29/2025 11:57:30AM

Page 2 of 2

SITE INFORMATION

Sampler:

Project: Weekly Leachate

REPORT TO

Eric Werner
Benton County Sanitary Landfill
7904 20th Ave
Blairstown, IA 52209

INVOICE TO

Eric Werner
Benton County Sanitary Landfill
7904 20th Ave
Blairstown, IA 52209

SPECIAL INSTRUCTIONS

None

Turn Around Time

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

LAB USE ONLY



1 I F 0 2 5 2

Benton County Sanitary Landfill
PM: Heather Murphy

Temperature: 2.8 °C

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	Comments	Analyses	Lab Sample Number
01-001	Leachate	Aqueous		6-3-25	8:45		bod-5210 tkn-351.2 tss-i-3765-85 nh3-timberline ph-150.1 og-t-1664	01

6-3-25
Relinquished By Date/Time

Received By Date/Time

Relinquished By Date/Time
Echo Farness 6/3/25 11:25
Received for Lab By Date/Time

Remarks:



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11F1397

Benton County Sanitary Landfill

Project Name: Weekly Leachate

Eric Werner
7904 20th Ave
Blairstown, IA 52209

Project / PO Number: N/A
Received: 06/18/2025
Reported: 07/02/2025

Analytical Testing Parameters

Client Sample ID: Leachate
Sample Matrix: Aqueous
Lab Sample ID: 11F1397-01

Collected By: Unknown
Collection Date: 06/18/2025 8:20

Determination of Conventional Chemistry Parameters	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 150.1							
pH	7.5	0.5	pH	H4	06/19/25 1352	06/19/25 1502	BSS
EPA 1664A							
Oil and Grease	<4	4	mg/L	A14	06/18/25 1713	06/20/25 1240	GSC
EPA 351.2, Rv. 2 (1993)							
Nitrogen, Kjeldahl, total	118	2.50	mg/L			06/30/25 1003	SGB
SM 5210 B-2016							
BOD (5 day)	30	6	mg/L		06/18/25 1420	06/18/25 1602	MND
TIMBERLINE							
Nitrogen, Ammonia	121	1.00	mg/L		06/19/25 1129	06/19/25 1352	TEP
USGS I-3765-85							
Total Suspended Solids (TSS)	53	1	mg/L		06/18/25 1442	06/19/25 1020	LAW

Definitions

A14: Sample was preserved with Hydrochloric Acid to pH <2 on receipt.
H4: The test was performed outside of the EPA recommended holding time of 15 minutes.
RL: Reporting Limit

Report Comments

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Reviewed and Approved By:

Heather Murphy
Customer Relationship Specialist
heather.murphy@microbac.com
07/02/25 16:42



SITE INFORMATION

Sampler:
Weekly Leachate

SPECIAL INSTRUCTIONS

None

REPORT TO

Eric Werner
 Benton County Sanitary Landfill
 7904 20th Ave
 Blainstown, IA 52209

INVOICE TO

Eric Werner
 Benton County Sanitary Landfill
 7904 20th Ave
 Blainstown, IA 52209

LAB USE ONLY

Work Order 1IF1397

Temperature 0.9

Turn-Cooler: Yes

Initials

- ☐ Custody Seal
- ☒ Containers Intact
- ☒ COC/Labels Agree
- ☐ Preservation Confirmed
- ☒ Received On Ice

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	Number Containers	Analysis	Lab Sample Number
01-001	Leachate	Aqueous		~~6/18/25~~ 6-18	8:20	4		

[Signature] 6-18-25
 Relinquished By Date/Time

Received By Date/Time

[Signature] 6/18/25 10:43
 Relinquished By Date/Time
 Received for Lab By Date/Time

Turn Around Time

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



1 I F 1 3 9 7
Benton County Sanitary Landfill
PM: Heather Murphy



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

SITE INFORMATION

Sampler:

Project: Weekly Leachate

SPECIAL INSTRUCTIONS

None

Turn Around Time

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

REPORT TO

Eric Werner
Benton County Sanitary Landfill
7904 20th Ave
Blairstown, IA 52209

INVOICE TO

Eric Werner
Benton County Sanitary Landfill
7904 20th Ave
Blairstown, IA 52209

LAB USE ONLY

Laboratory attach WO label here

Temperature: _____ °C

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	# Containers	Analyses		Lab Sample Number
01-001	Leachate	Aqueous					bod-5210	nh3-timberline	
							tkn-351.2	ph-150.1	
							tss-i-3765-85	og-t-1664	

Relinquished By _____ Date/Time _____

Relinquished By _____ Date/Time _____

Received By _____ Date/Time _____

Received for Lab By _____ Date/Time _____

Remarks: